

ATTENTION - NEW GROUP

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Handwritten notes:
1/15/54
C. W. ...

AS-REV	TYPE	TYP	INST	ELEM	CLASS	CHG	NO
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NEW YORK NAVAL SCHOOL, NEW YORK

1/15/54

1/15/54

1/15/54

Handwritten notes:
1/15/54
C. W. ...

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1/15/54
C. W. ...

REVISIONS

REV.	DESCRIPTION	DATE
1-40	A ADDED REFERENCE TO ... ADDED ...	3/15/60
	B CORRECTED ... 25, 28 3, 3, 34 ADDED 5' x 44'-21	
	C CORRECTED SHEETS 18, 25, 31, 34 & 38	
	D ADDED SHEETS 44 & 5, -73	
	E ... 25, ... 10 ADDED ... 31-36 CHANGED POINT ... SHEET NO 8, 10-12, 19, 25, 33-37, 42, 45, 53, 61-65, 71, 27	
	F ADDED SHEET # 87 REVISED SHEET # 38	
	G ... 44, 46, 370. ADDED SHEETS 85 & 86	
	H ADDED SHEETS 4B, 4C & 90; REDREW SHEET 39. REVISED SHEETS # 27 & 30 BY ADDING CABLE ENTRANCE INFORMATION. REVISED SHEETS 3, 4 & 4A ACCORDINGLY.	
	I ... ADDED SHEETS NOS 92 THRU 100. REVISED SHEETS NOS 10, 25, 55 AND 90. REDREW SHEETS NOS 5 AND 23. ALTERED INDEX (SHEETS NOS 3 THRU 4-3).	
	L REVISED SHEETS 11, 13 & 9A ADDED SHEET ... 100, ... 42 SHEETS ... 46 & 47	
	M SHEET ... REDRAWN. ADDED ...	

STD 40A
PLAN 56700 SK166435

REV

N

ADDED SHEET 97
REVISION SHEET 97

O

P

MODIFIED - SHEET 98
ADDED SHEET 98

Q

REVISED SHEET 94A
ADDED SHEETS 108 AND 109

R

ADDED SHEETS 110, 111 & 112

S

ADDED SHEET 113
MODIFIED SHEET 112

APPROVED FOR CONSTRUCTION BY: _____

DATE: _____

SCALE: _____

PROJECT NO: _____

DATE: _____

SCALE: _____

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BUSHIPS DRAWING NO / REV			
STD	404	SK-1664336	S
PLAN	56700		
SHEET NO. 3			

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50591PS DRAWING NO		REV
STD PLAN	404 156700	SK-16E4376 S
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BUSHIPS DRAWING NO.			REV.
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BUSHIPS DRAWING N ^o			REV.
STD PLAN	404 56700	SK-1664336	S
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BUSHIPS DRAWING NO			REV.
STD. PLAN	404 S6700	SK-1664336	S
SHEET-40			

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BUSHIPS DRAWING N°			REV.
STD PLAN	404 56700	5K-1664336	S
SHEET 40			

NOTES

1 RC 154-1
2 RC 154-1
3 RC 154-1

1. WIRE MARKINGS ARE AS FOLLOWS:

TYPICAL CIRCUIT DESIGNATION _____

TYPICAL CABLE NUMBER _____

TYPICAL WIRE NUMBER _____

2. NOTE NO. 1 SPECIFIES TYPICAL CONDUCTOR NUMBERS FOR ADAPTING TO EXISTING CIRCUIT IDENTIFYING SYSTEMS. WHEN INSTALLING CONDUCTOR NUMBERS ON FRAM VESSELS AND MAJOR OVERHAUL CONVERSIONS, OMIT NOTE NO. 1 AND MARK CONDUCTOR NUMBERS AS FOLLOWS:

RT 154-1
RR 154-1
RY 154-1

TYPICAL CIRCUIT DESIGNATION _____

TYPICAL CABLE NUMBER _____

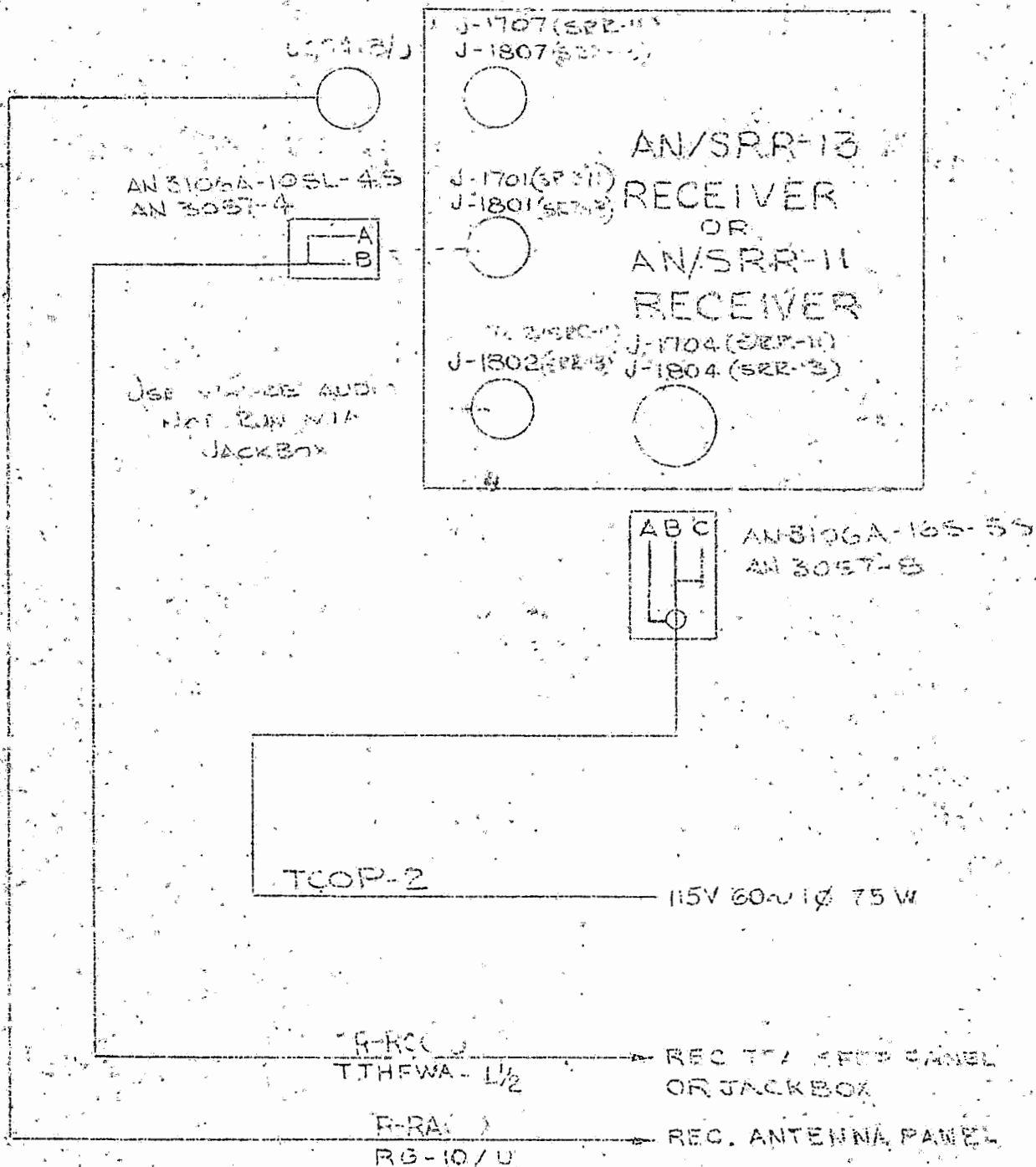
TYPICAL TERMINAL NUMBER _____

3. SHEETS OF THIS PLAN REPRESENT TYPICAL INSTALLATION EQUIPMENT CONNECTIONS. FOR PARTICULAR CABLE NUMBERS, SEE APPLICABLE BLOCK OR ISOMETRIC WIRING DIAGRAM.

4. CIRCUIT DESIGNATION TABLES:

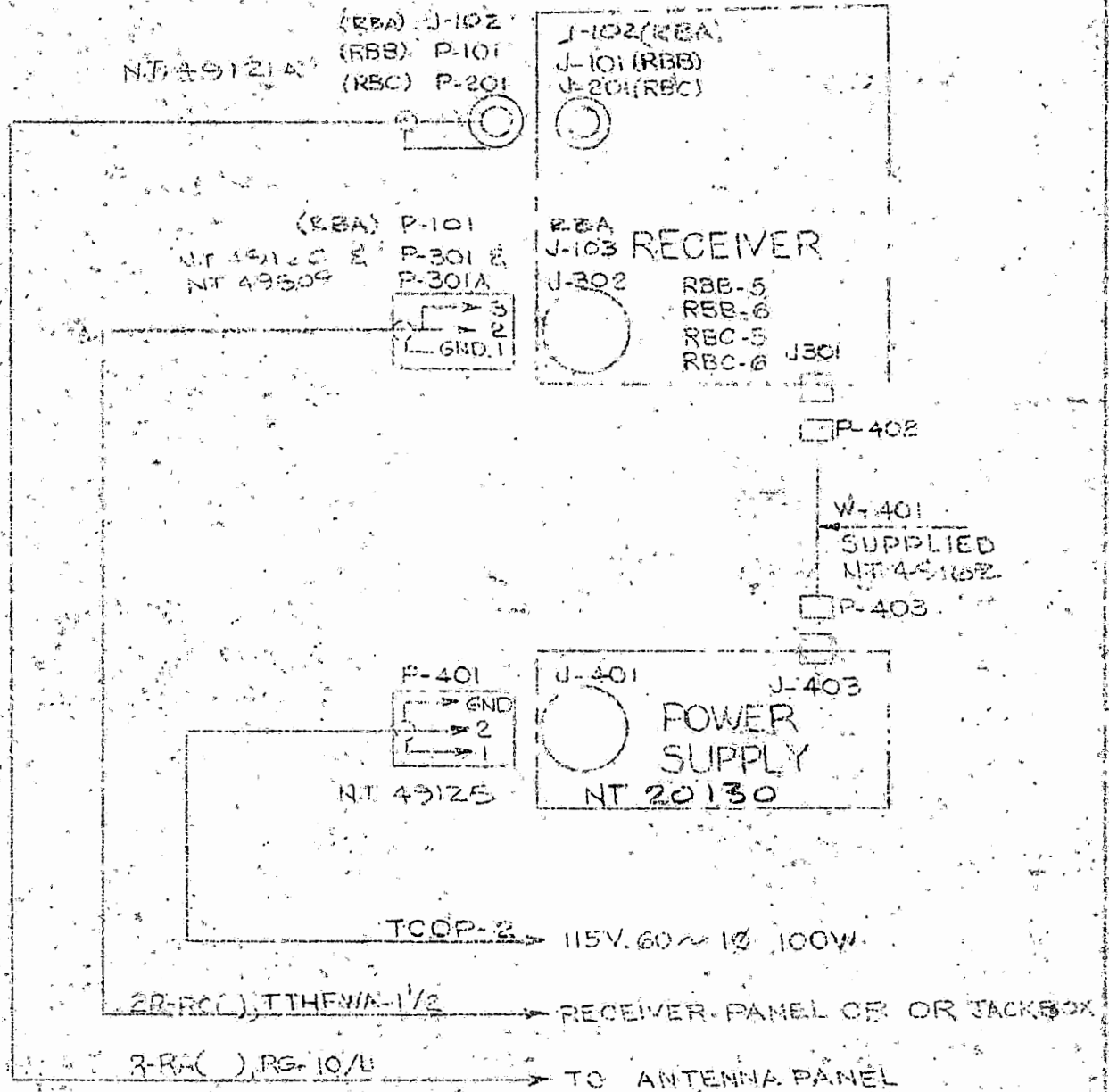
EXISTING CIRCUIT DESIGNATIONS		FRAM CONVERSIONS AND MAJOR OVERHAUL CIRCUIT DESIGNATIONS	
SYSTEM	SYSTEM TITLE	SYSTEM	SYSTEM TITLE
1R-RC	RADIO-TRANSMITTER CIRCUIT	R-RT	RADIO TRANSMITTER CIRCUIT
2R-RC	RADIO RECEIVER CIRCUIT	R-RR	RADIO RECEIVER CIRCUIT
3R-RC	RADIO TELETYPE CIRCUIT	R-RY	RADIO TELETYPE CIRCUIT
R-RA	RADIO ANTENNA CIRCUIT	R-RA	RADIO ANTENNA CIRCUIT
		R-RN	RADIO NAVIGATION CIRCUIT
		R-RC	RADIO CHAN. SEL. CIRCUIT

BUSHIPS DRAWING NO.	REV.
STD 404 PLAN 36700-SK1664336	R
SHEET NO. 5	



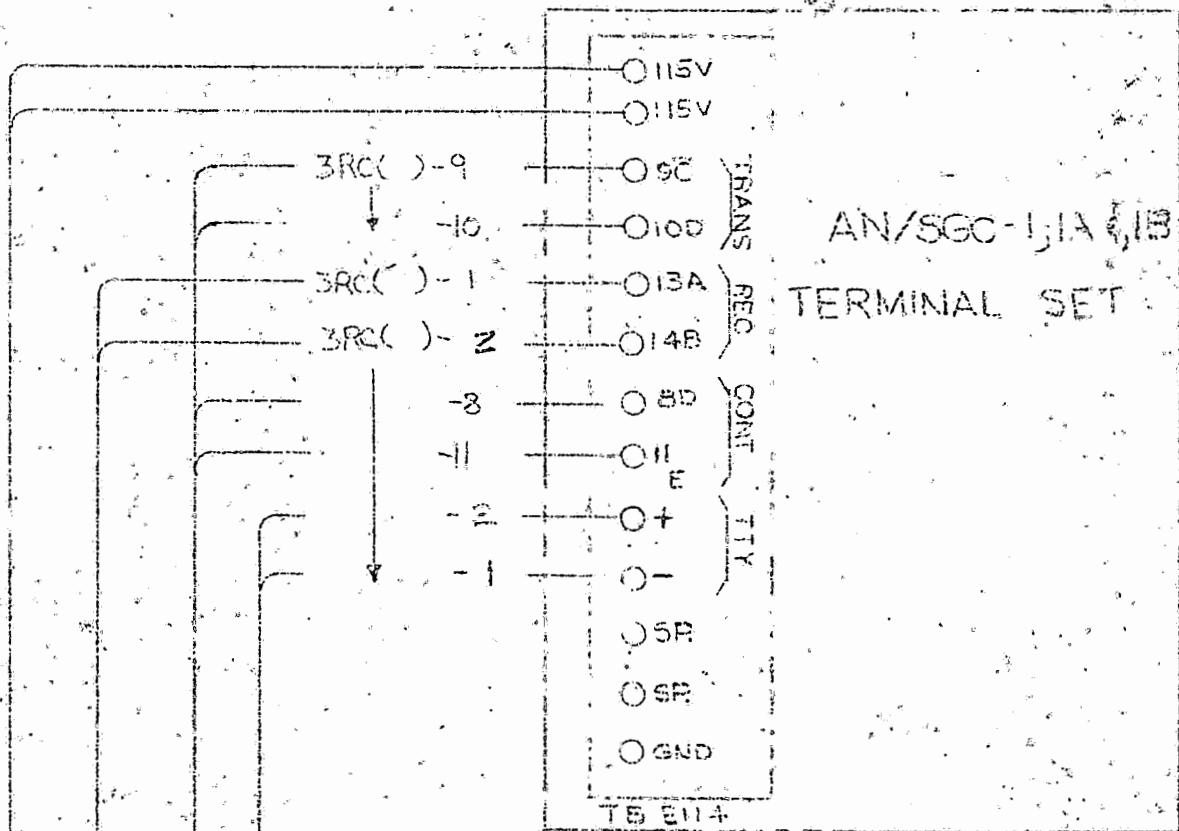
ALL PLUGS SUPPLIED
H.D.-70 W.
RE 46 B 2009 WIRING
RE 46 D 2021 SIZE
WEIGHT 70 LBS.

BUSHIPS DRAWING NO.			REV.
STD	404	SK-1664336	R
PLAN	56700		
SHEET 6			



WEIGHT "RBA" 95 lbs - "RBB/RBC" - 82 lbs, NT 20130 52 lbs
 HD. 92 WATTS
 RE 48F 2035 - RBA
 RE 40F 2036 - RBB & RBC

EUSHIPS DRAWING NO		REV.
STD	404	SK-1664336 R
PLAN	S6700	
SHEET 7		



AN/SGC-1(A) (B)
 TERMINAL SET

3R-RC()
 TTHFWA-1 1/2 TO TT-23/SG PANEL

3R-RC()
 MEGA-7 TO XMTR PANEL

3R-RC()
 TTHFWA-1 1/2 TO RECEIVER PANEL

TCOP-2 OR DSGA-3 TO 115V, 60HZ, 1Ø, 15W

WEIGHT 77 LBS

H.D. 87 WATTS

RE 67F 2001

RE 67F 2042

RE 67F 2112

BUSHIPS DRAWING No. (REV)

STD	404	SK-1664336	R
PLAN	56700		

SHEET 3

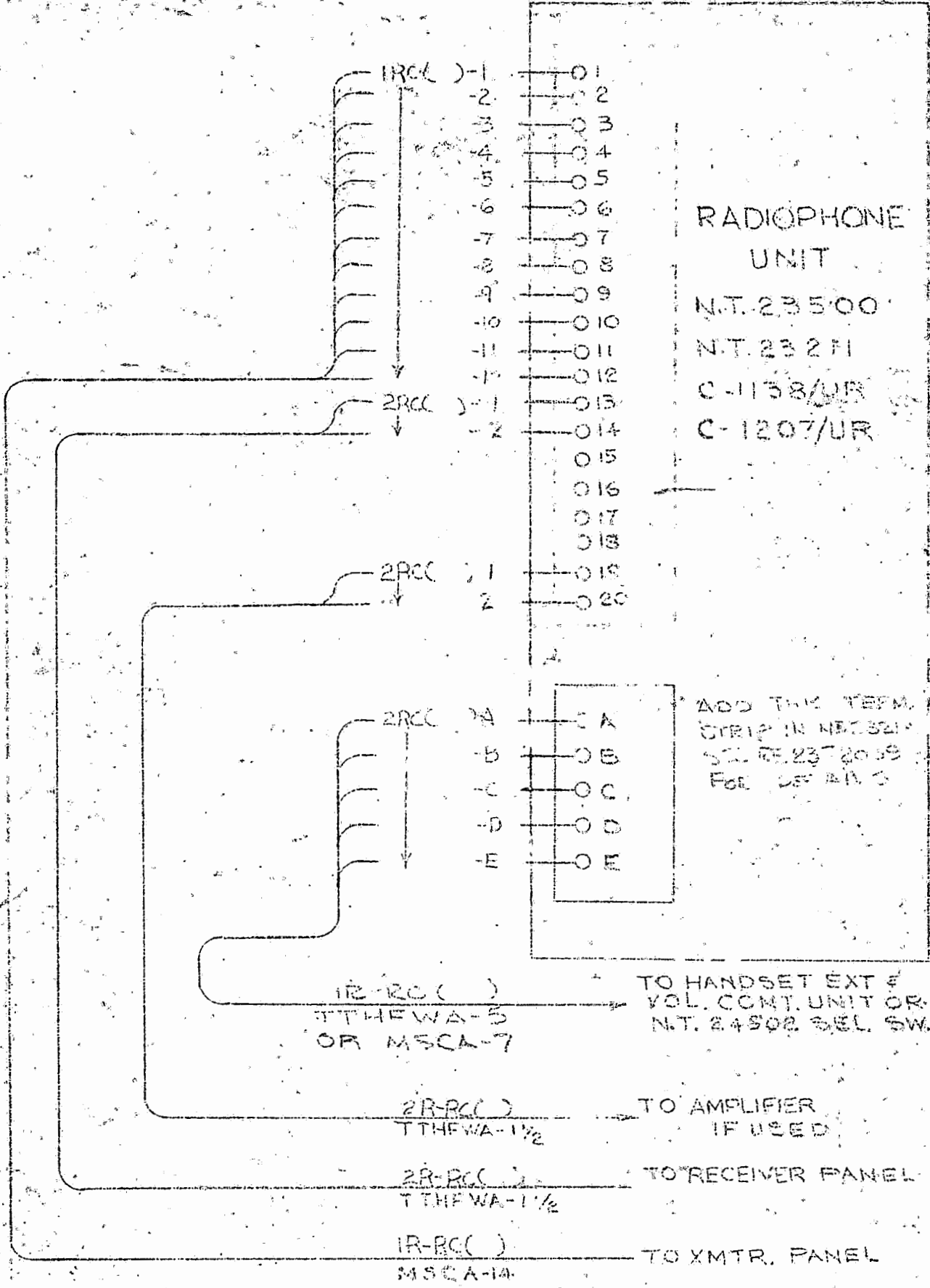
RADIOPHONE
UNIT

N.T. 23500

N.T. 23211

C-1138/UR

C-1207/UR



ADD THIS TERM.
STRIP IN N.T. 23500
SEE RE 23500
FOR DETAILS

TO HANDSET EXT &
VOL. CONT. UNIT OR
N.T. 24502 SEL. SW.

TO AMPLIFIER
IF USED

TO RECEIVER PANEL

TO XMTR. PANEL

WEIGHT

C-1138/UR 9 LBS

C-1207/UR 12 1/2 LBS

H.D. NONE

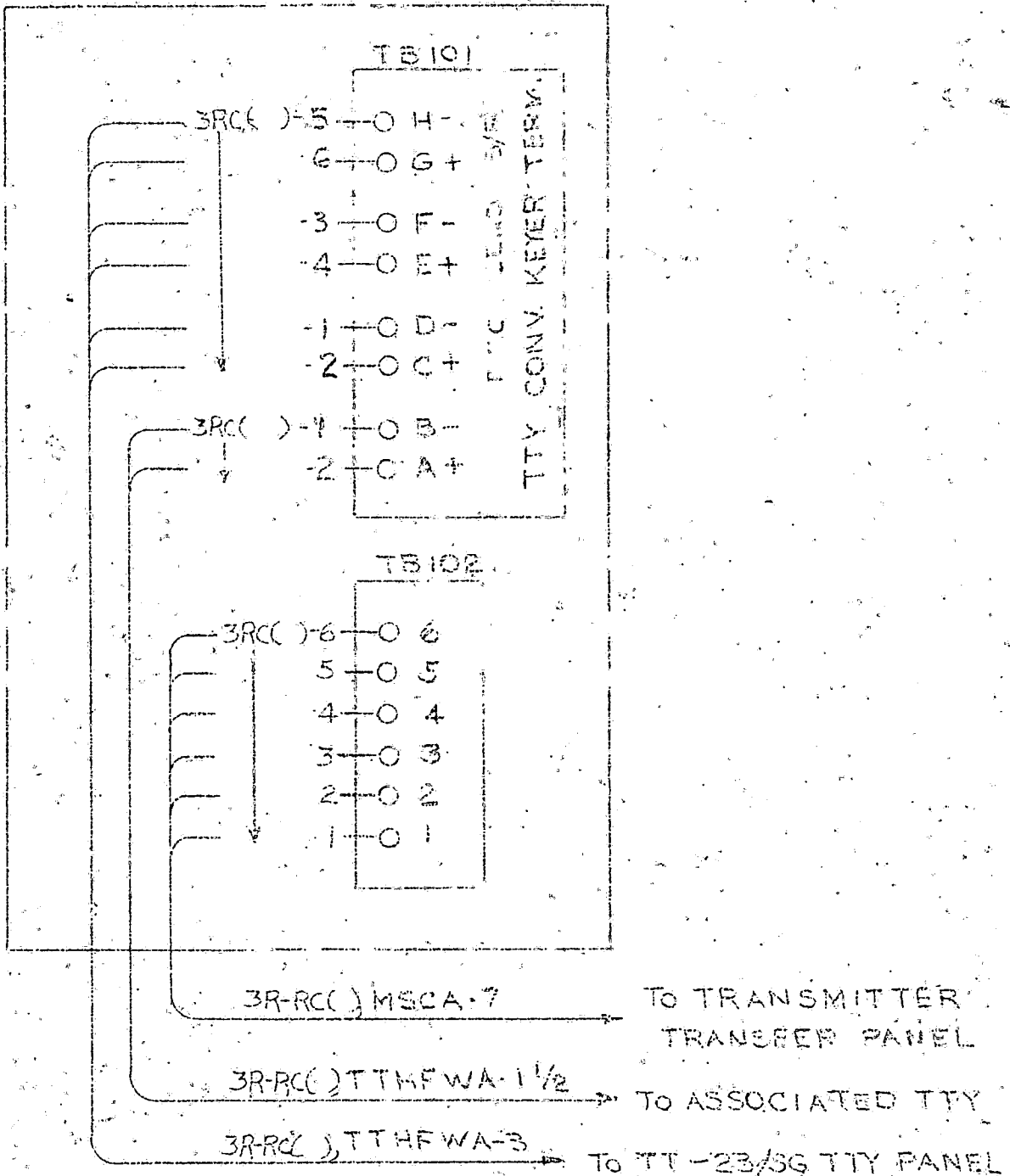
RE 235 2009 - C-1138/UR

BUSHIPS DRAWING NO.			REV.
STD	404	SK-1664336	D
PLAN	56700		
SHEET 9:			

TRANSMITTER TELETYPEWRITER

CONTROL UNIT

C-1004A/SG OR C-1004B/SG



RE 67F 2045 - C-1004/SG

WEIGHT 2 LBS

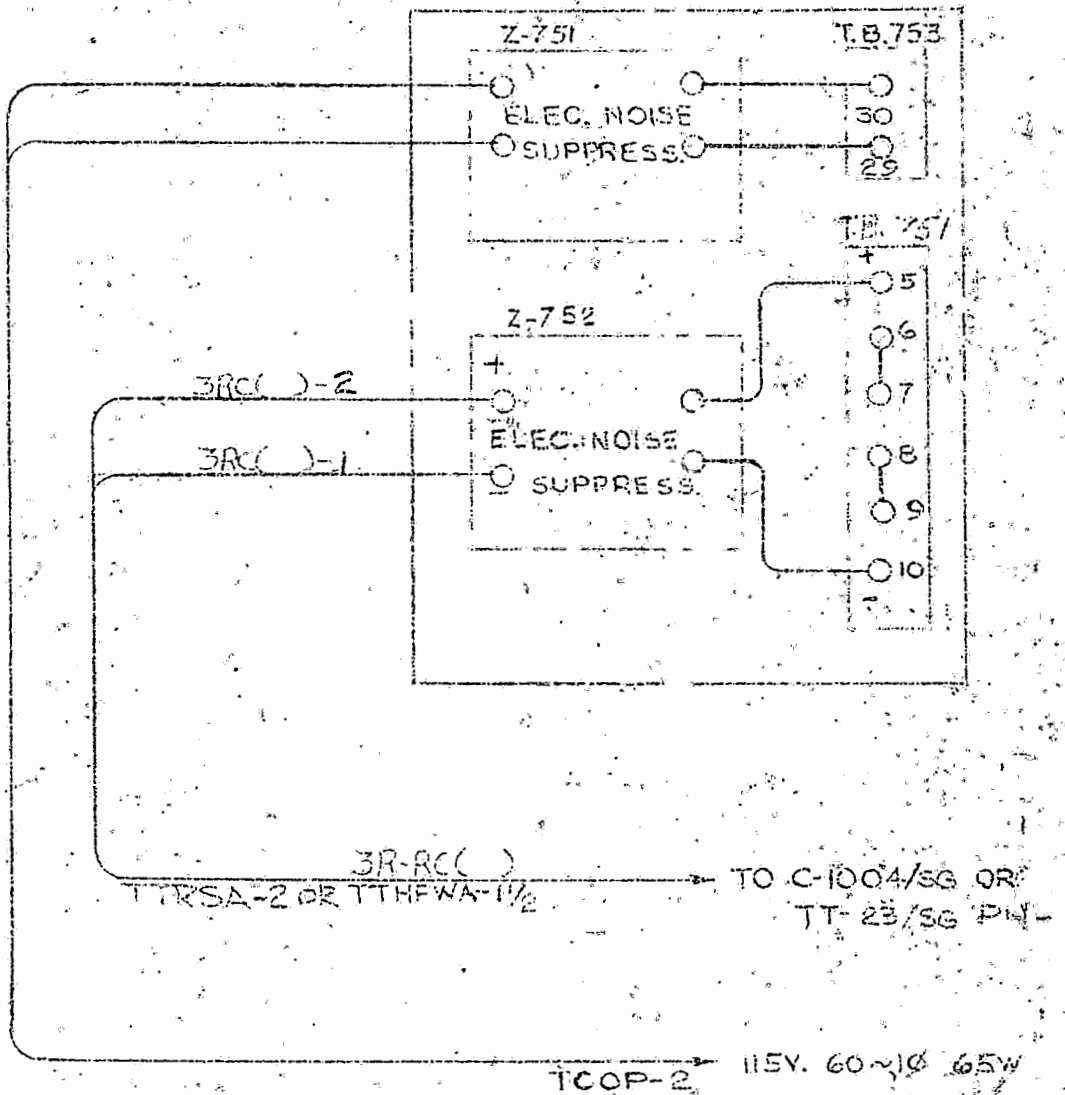
MAX 10 WATTS

BUSHIPS DRAWING NO.			REV.
STD	404	SK-1664336	R
PLAN	56700		
SHEET 10			

MODEL 28

REF.
RE 67 D 2196
OUTLINE & MTG

- TT47/UG
- TT48/UG
- TT128/UG
- TT129/UG
- TT69/UG
- TT70/UG
- TT130/UG - RE 67 F 2046
- TT131/UG



(SEE SHEET #91 FOR SPLIT KEYBOARD)

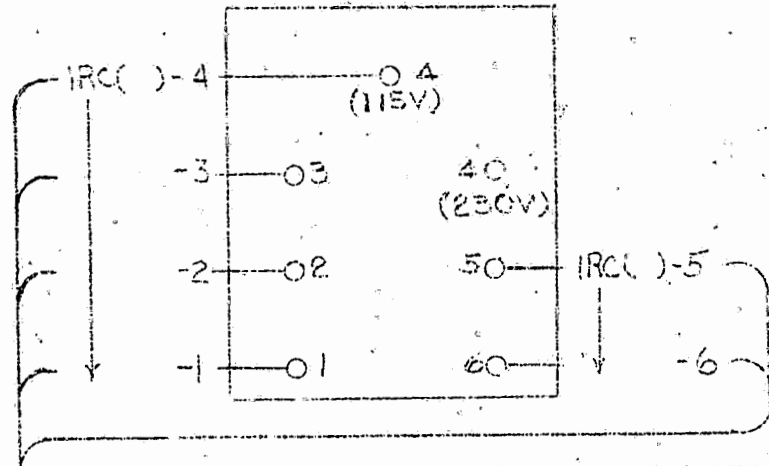
H.D. 50W.

RE 67 D 2196

RE 67 F 2046 - TT-130/UG

BUSHIPS DRAWING NO			REV.
STD	404	SK-1664336	P
PLAN	56700		
SHEET II			

TRANSMITTER
 KEY CONTROL UNIT
 NT 23146
 & SB-315B/U



IR-RC)
 MHEA-7

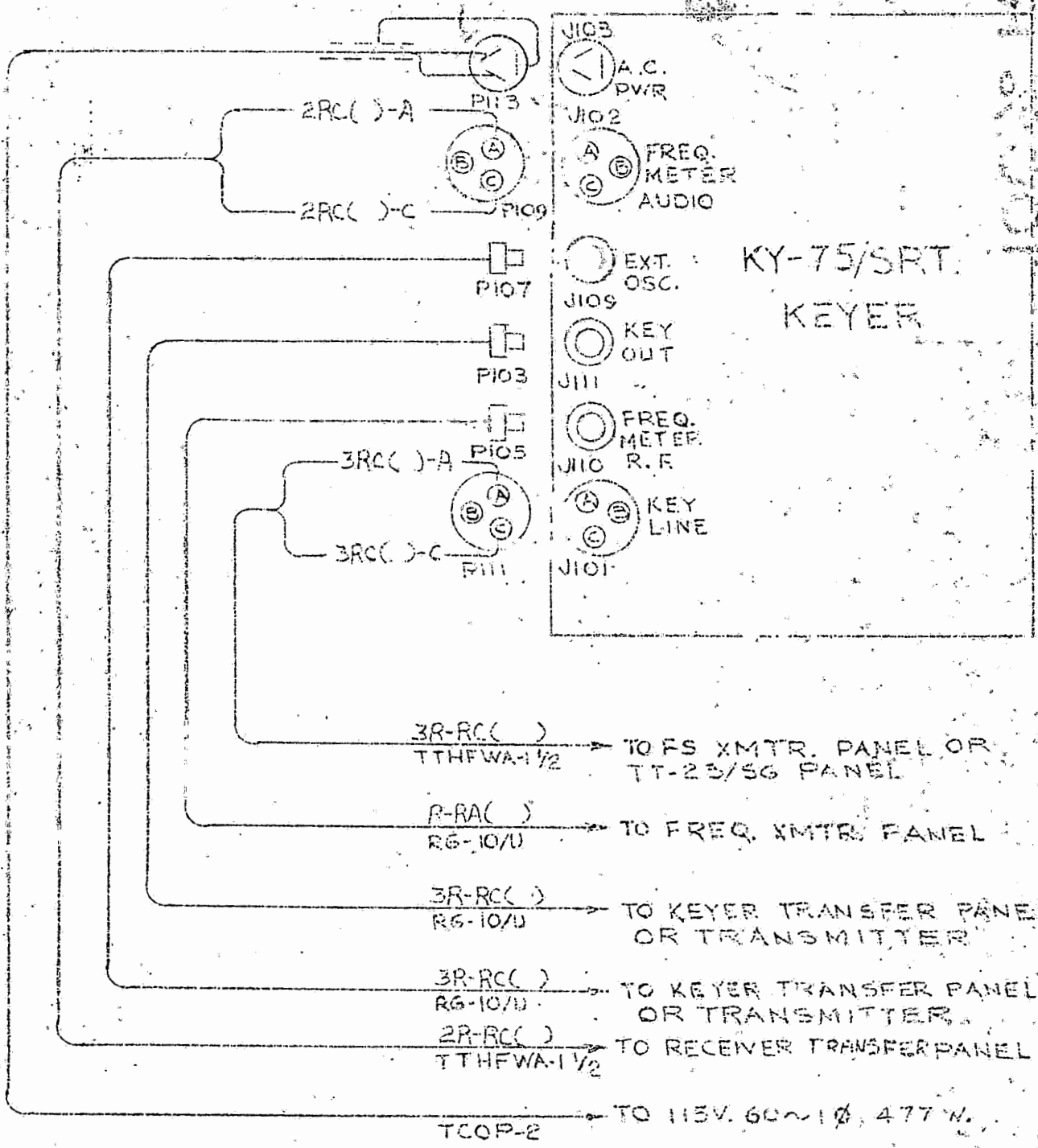
TRANSMITTER
 TRANS. PNL

WEIGHT - 3 LBS
 H.D. NONE

BUSHIPS DRAWING NO.			REV.
STD	404	5K1664336	R
PLAN	56700		
- SHEET 13			

P-103, P-105 & P-107 - TYPE 149195
 P-109 & P-111 AN-31028-145-15
 P-113 HUBBELL 7559-G

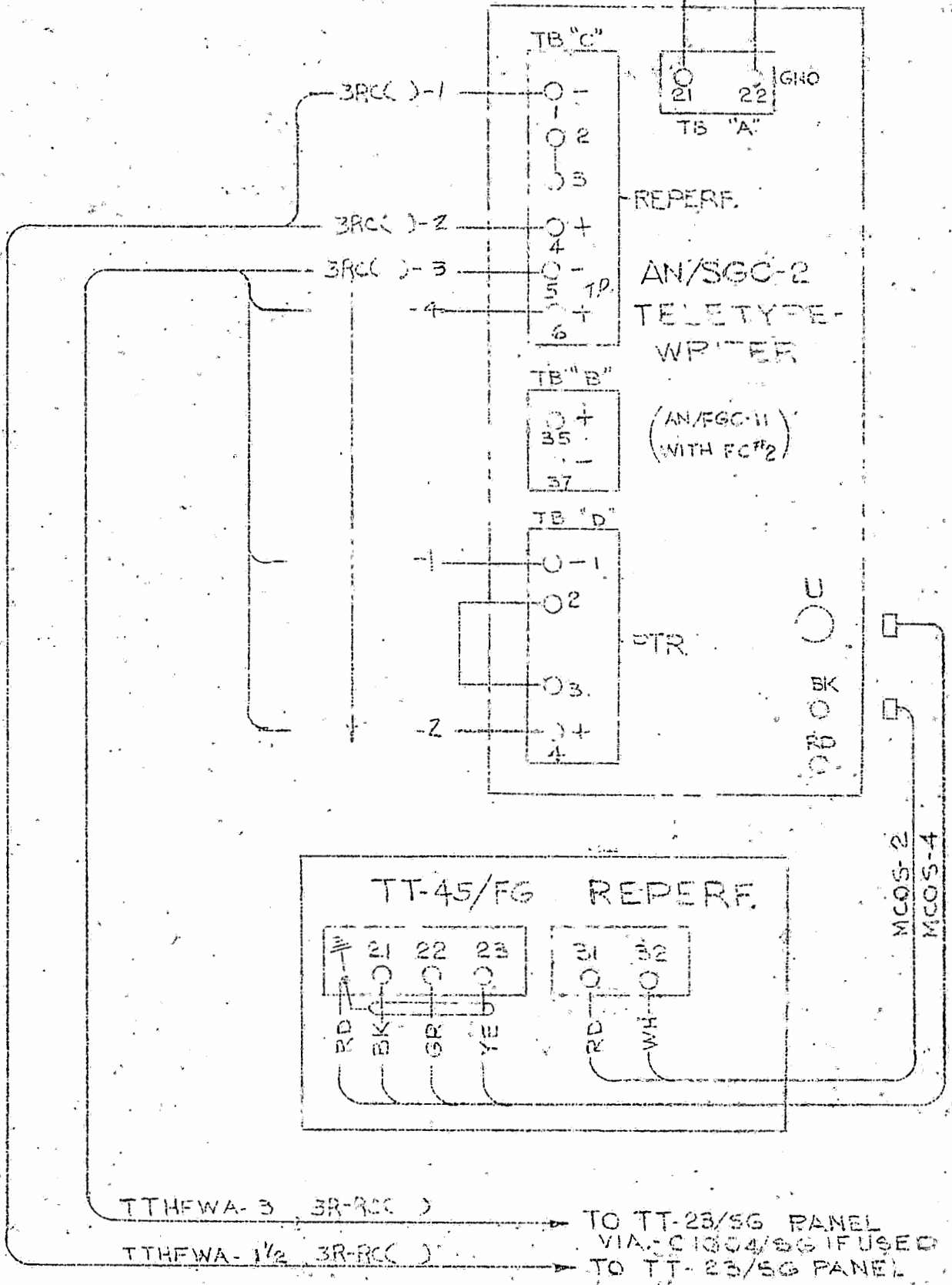
ALL PLUGS SUPPLIED



RE 67D 2025 1.0 LINE & MTG
 WEIGHT 2.20 LBS.
 H.D. 470

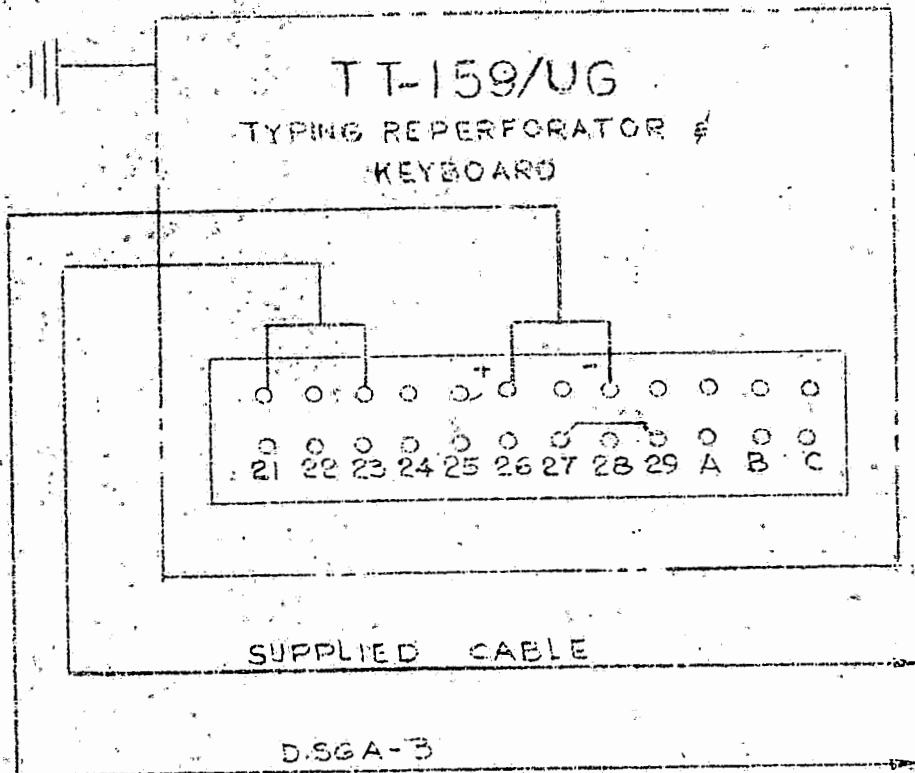
BUSHIPS DRAWING NO.			REV
STD	404	SK-1664336	R
PLAN	56700		
SHEET 14			

115V, 60W, 10, 520W. TCOP-2
R-RY()



H.D. 500W.

BUSHIPS DRAWING NO.			REV.
STD	404	SK-1664336	P
PLAN	56700		
SHEET 15			



TO TELEGRAPH SWBD. AN/SGA-4

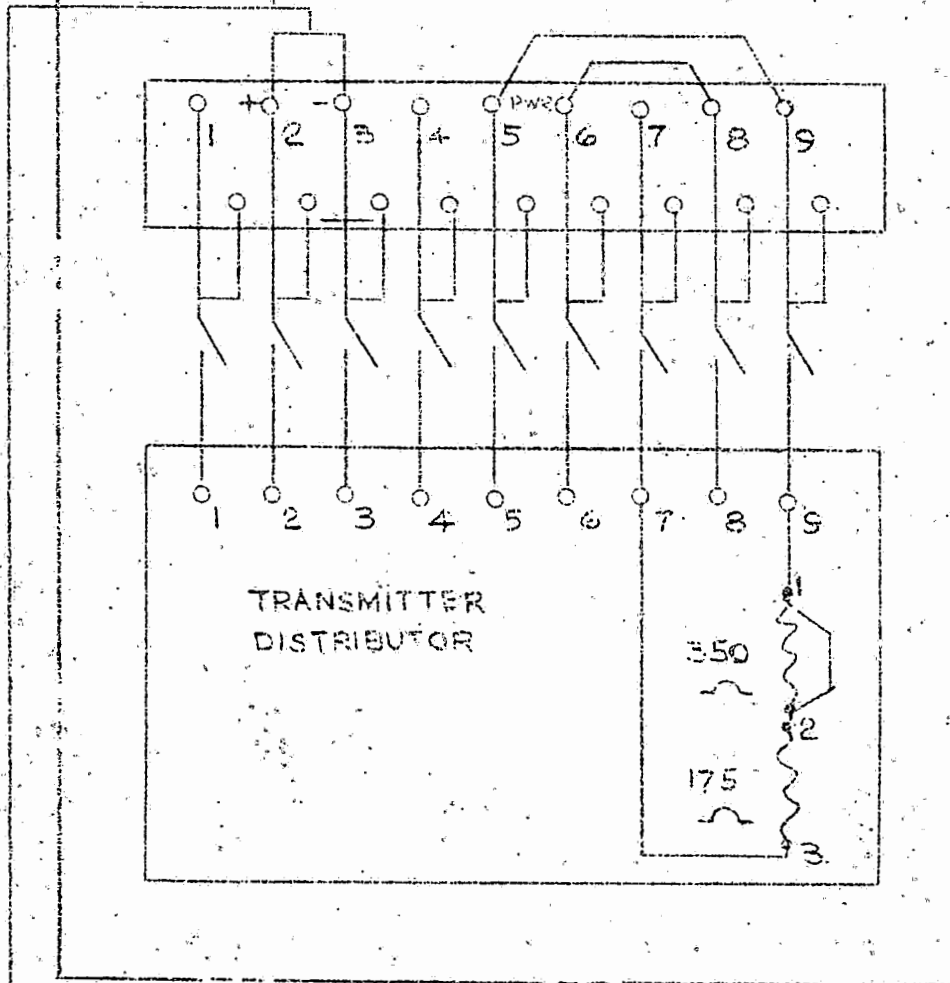
115V, 10, 60~
200WATTS

PART OF AN/SGA-4 GROUP

RE 67F 2065 OUTLINE & VTC
HD-160

BUSHIPS DRAWING NO.			
STD	404	SK1664336	R
PLAN	56700		
SHEET 16			

TT-57/UG



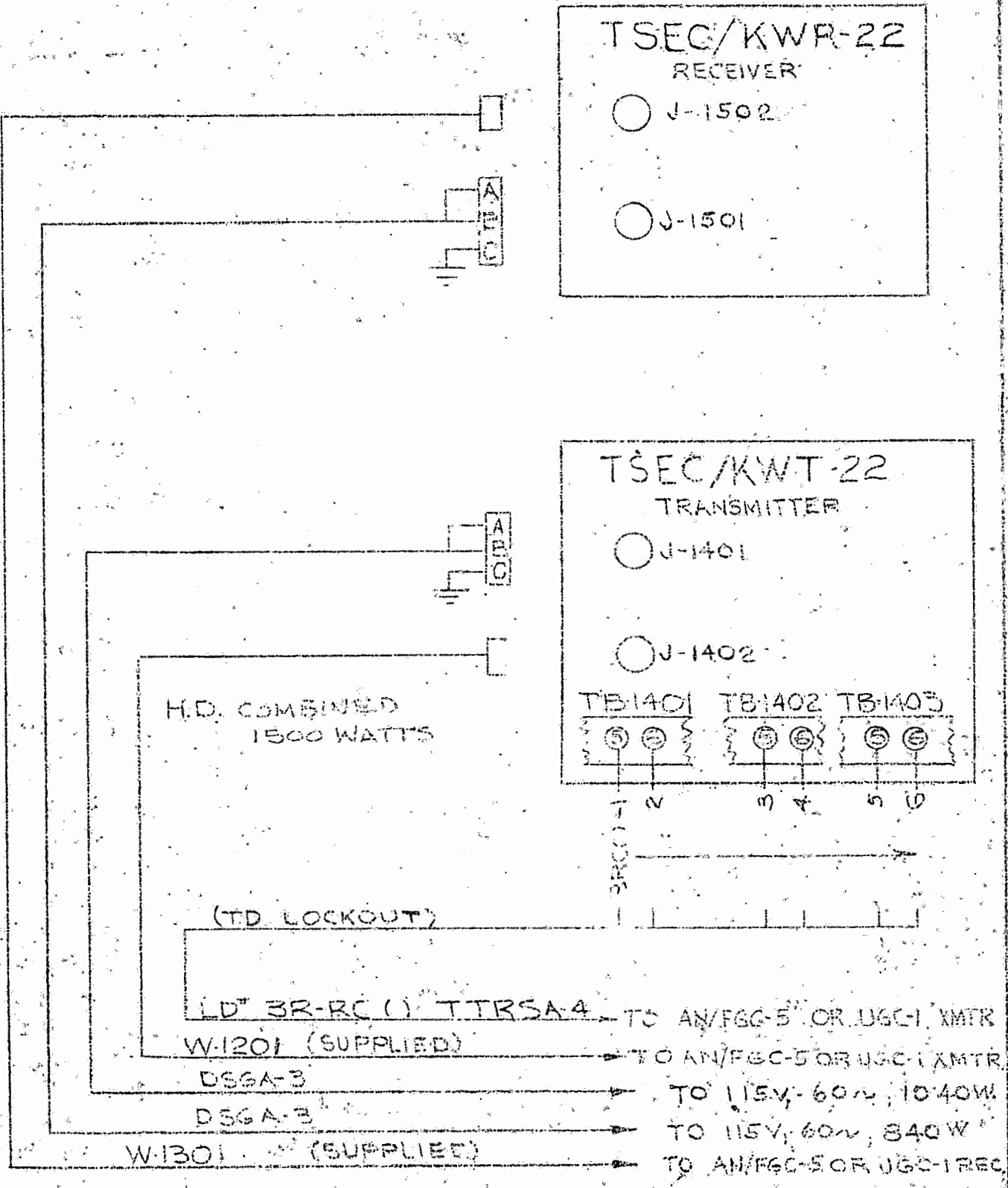
SUPPLIED CABLE

TO TELEGRAPH SWED. AN/SSA-4

PART OF AN/SSA-4 GROUP

RE 57F 2065 OUTLINE & MTS
H.D. 160W

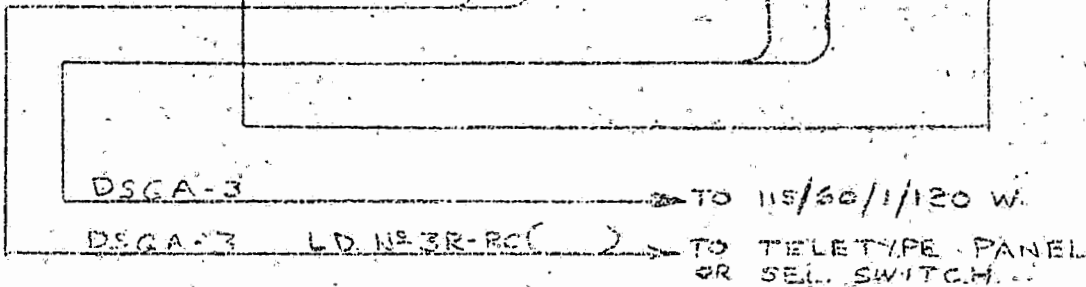
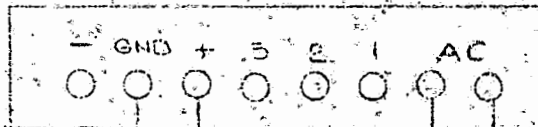
BUSHIPS DRAWING NO			REV
STD	404	SK-1664336	R
PLAN	56700		
SHEET 17			



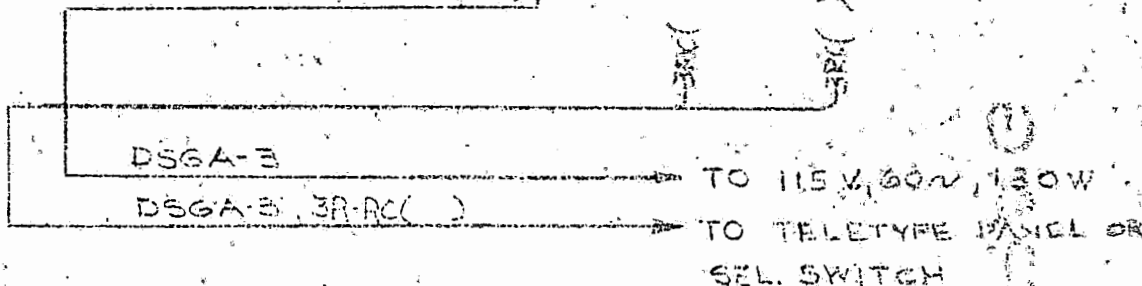
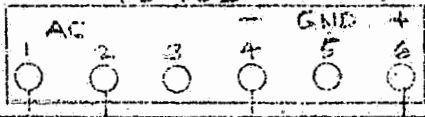
(C)

BUSHIPS DRAWING NO			REV.
STD	404	SK-1664336	R
PLAN	56700		
SHEET 18			

PP-765/U RECTIFIER



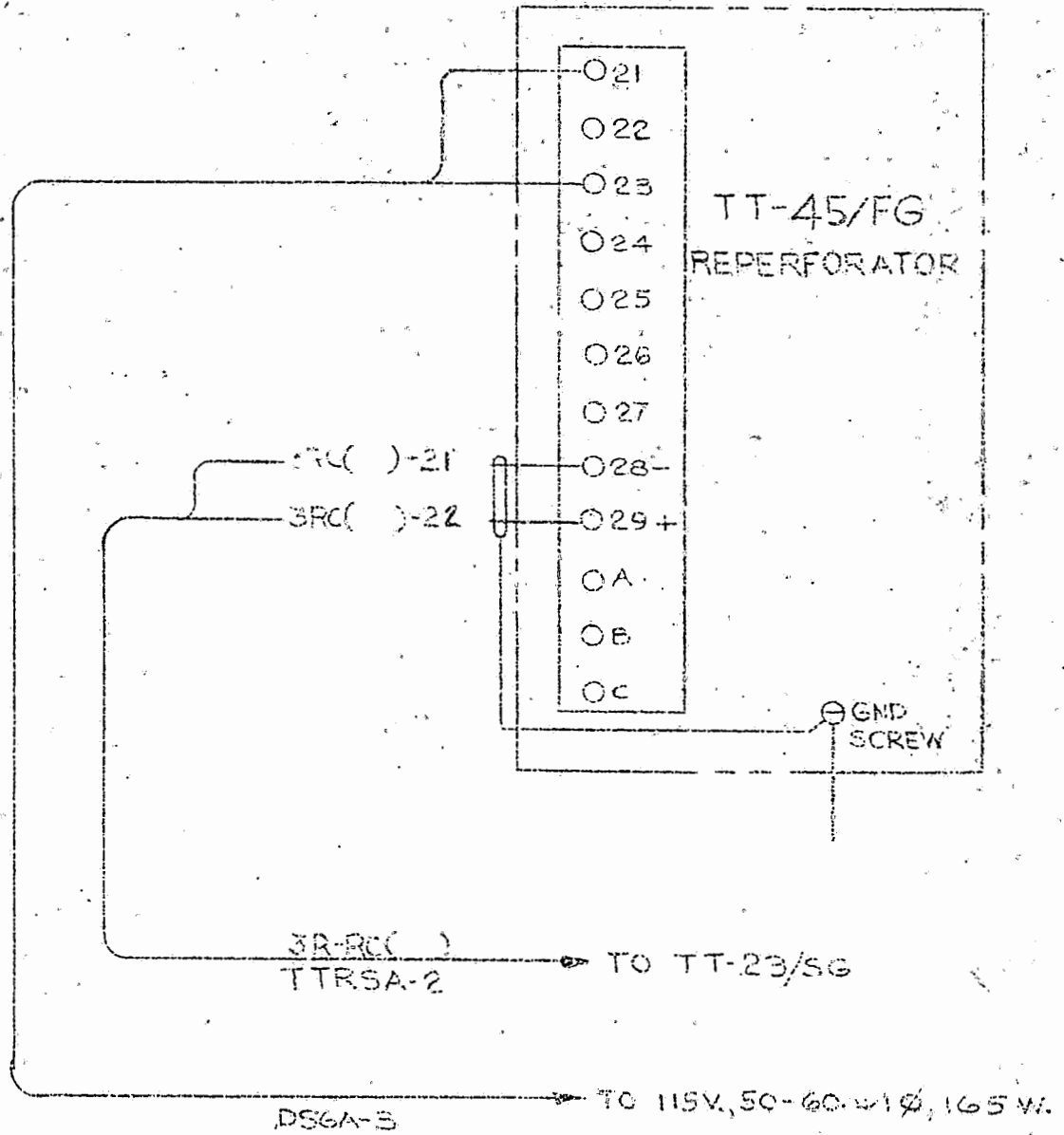
PP-1011/UG RECTIFIER TB-102



PP-765/U
RE 20D 2003
WEIGHT 123 LBS
H.D. 105 W.

PP-1011/UG
RE 10F 2199
WEIGHT 40 LBS
H.D. 100 W.

BUSHIPS DRAWING NO		REM
STD PLAN	404 56700	SK-1664336 P
SHEET 20		

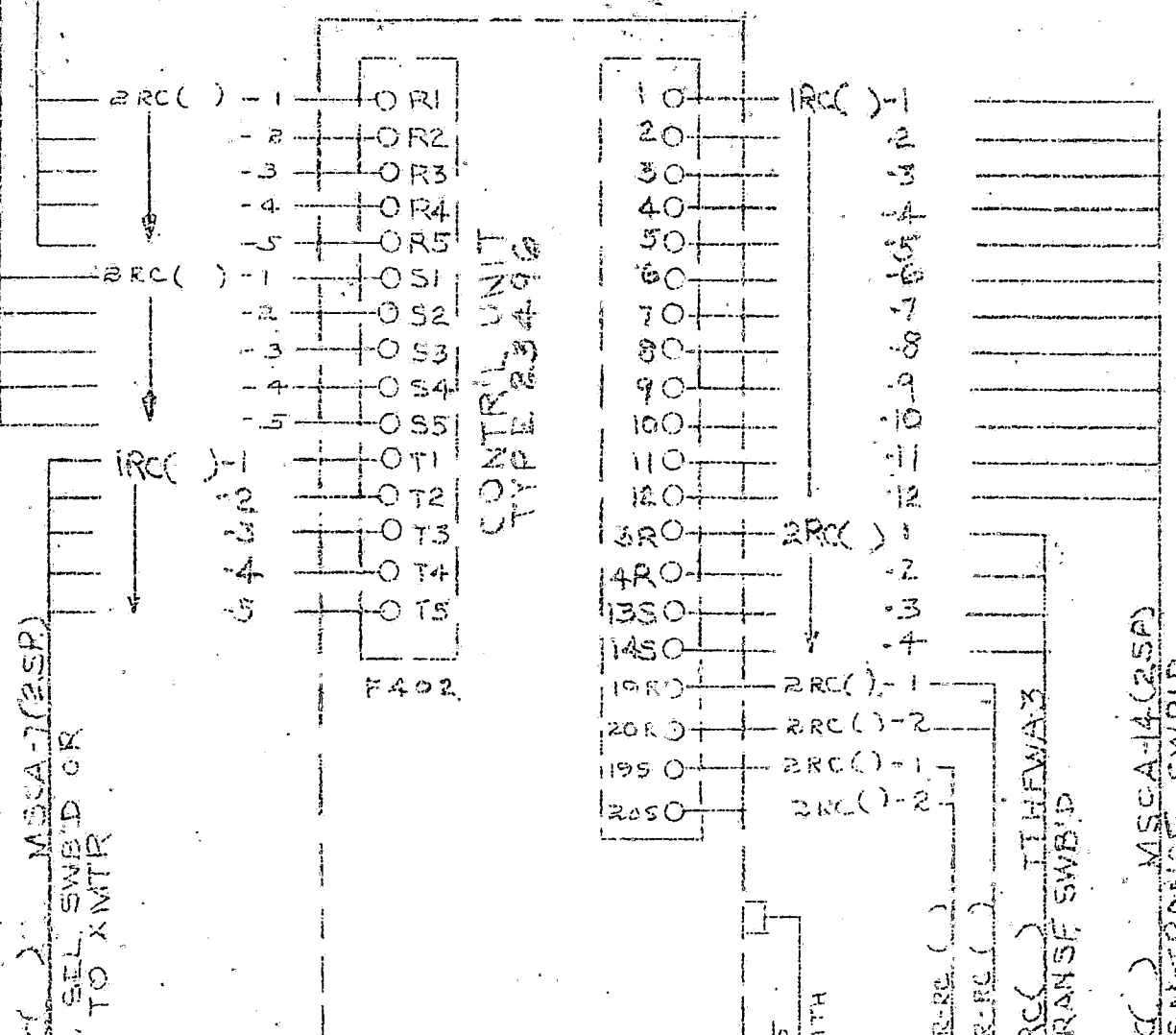


RE 67D 2022 OUTLINE & MTG
H.D. 160 W.

BUSHIPS DRAWING NO.			REV.
STD	404	SK-1664336	R
PLAN	56700		
SHEET 21			

LD# 2R-RC () TTHEFWA-3
 LD# 2R-RC () TTHEFWA-3

TO CHANNEL SEL SWBD.
 OR DIRECT TO RCYRS.



LD# IR-RC () MSCA-7(2SP)
 TO CHAN SEL SWBD OR
 DIRECT TO XMTR

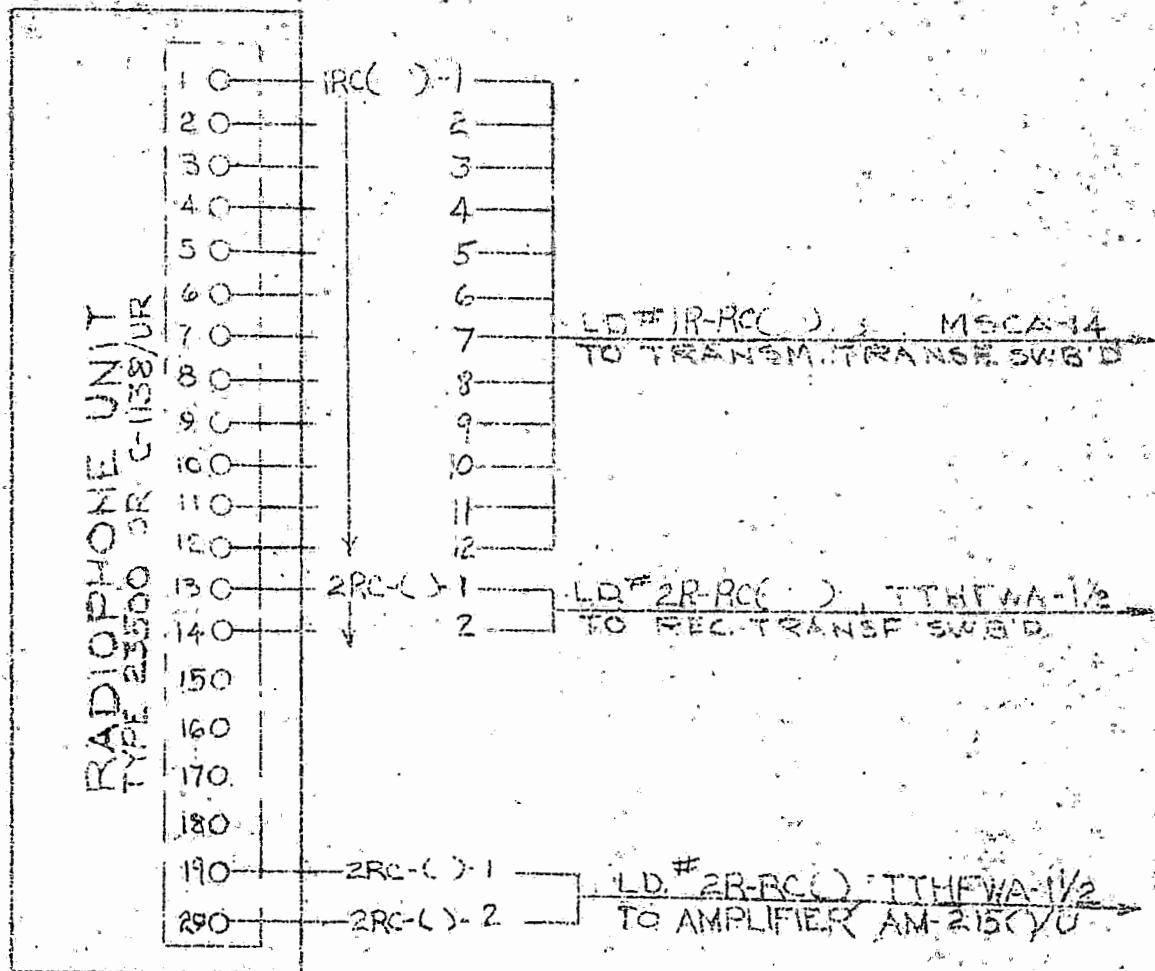
LD# IR-RC () MMOP-5
 TO CRADLE TALK SIGNS WITH
 HAND SET TALK SIGNS.

TO GOOD AUDIO
 OUTPUTS (MUTED)
 TTHEWA-1A LD# 2R-RC ()
 TTHEWA-1A LD# 2R-RC ()
 LD# 2R-RC () TTHEFWA-3
 TO REC. TRANSF SWBD

LD# IR-RC () MSCA-14(2SP)
 TO TRANSM. TRANSF SWBD

RE 23AA 255

BUSHIPS DRAWING NO			REV
STD	454	PK-1664336	D
PLAN	56700		
SHEET 22			

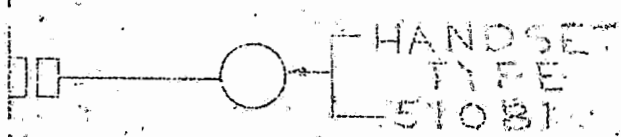


A B C D E
O O O O O

WHITE
ORANGE
RED
BLACK
GREEN

O O O O O
3 1 7 5 4

CRADLE
TYPE
51085



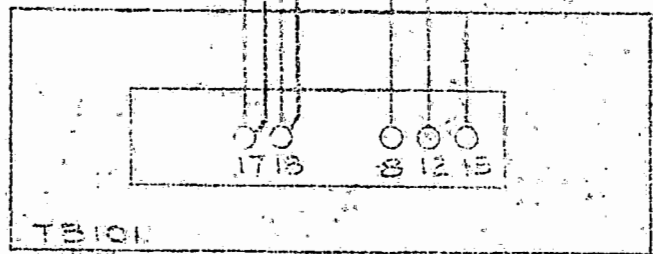
BUSHIPS DRAWING No		REV
STD	404	SK:1664336 R
PLAN	56700	
SHEET 23		

MODIFY TED XMTR. AS PER
 STD. PLAN 56700-1624599

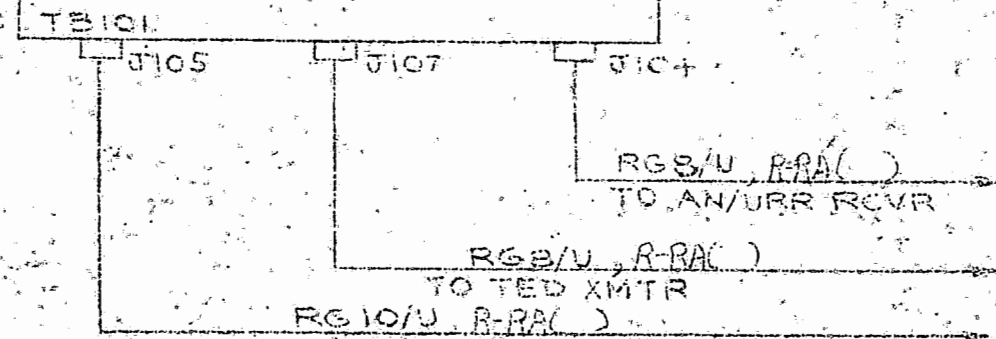
TRANSMITTER	
TED.	
E101	01
	02
	03
	04
	05
	06
	07
8	08
	09
	10
	11
12	12
	13
15	14
	15
	16
17	17
18	18
	0
	0
	E102

12-RC67
 M50A-7

DHEA-4
 POWER 115/230V. 60/50Hz
 10 1500W. (FOR AMP
 & TED COMBINED)



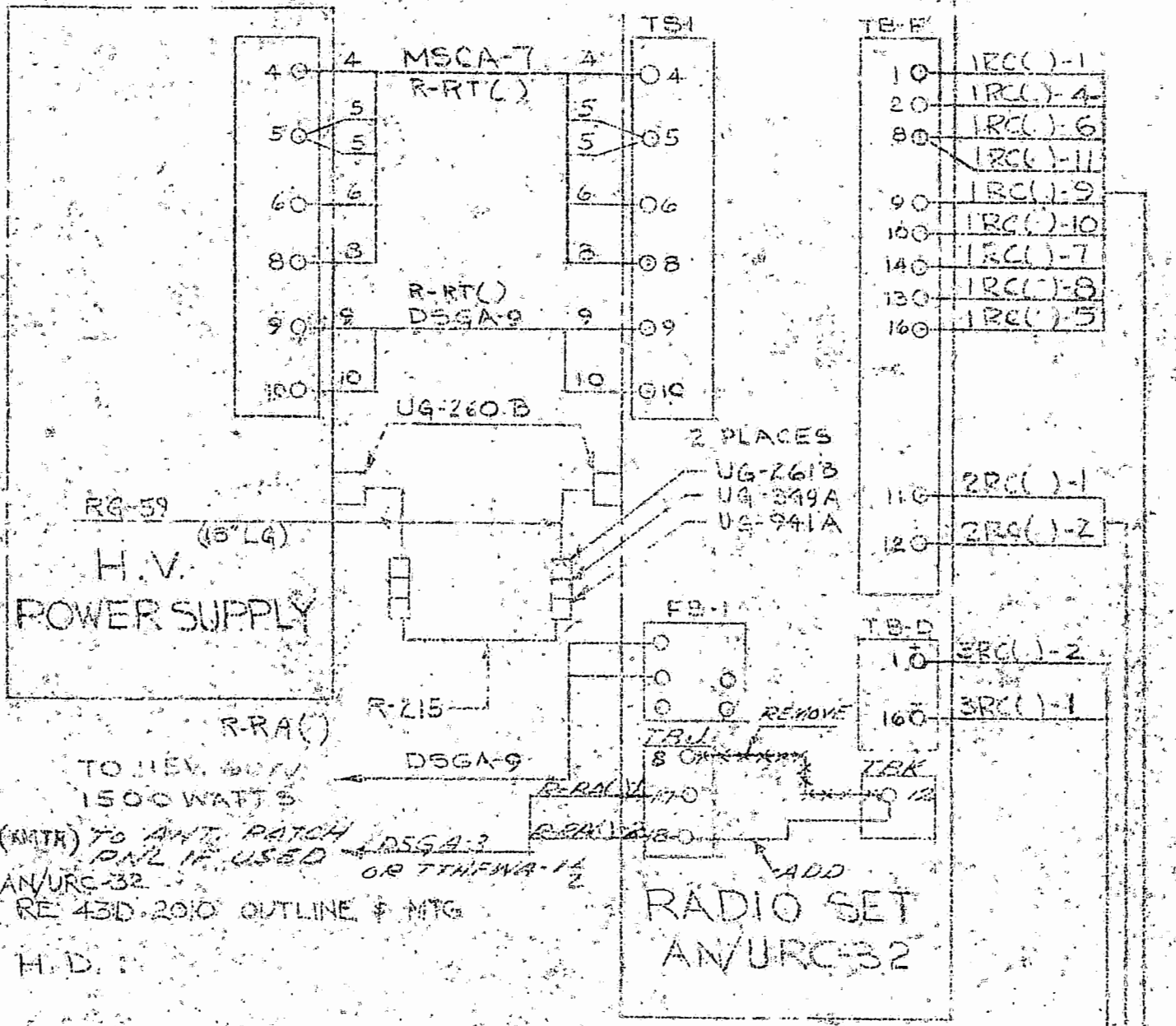
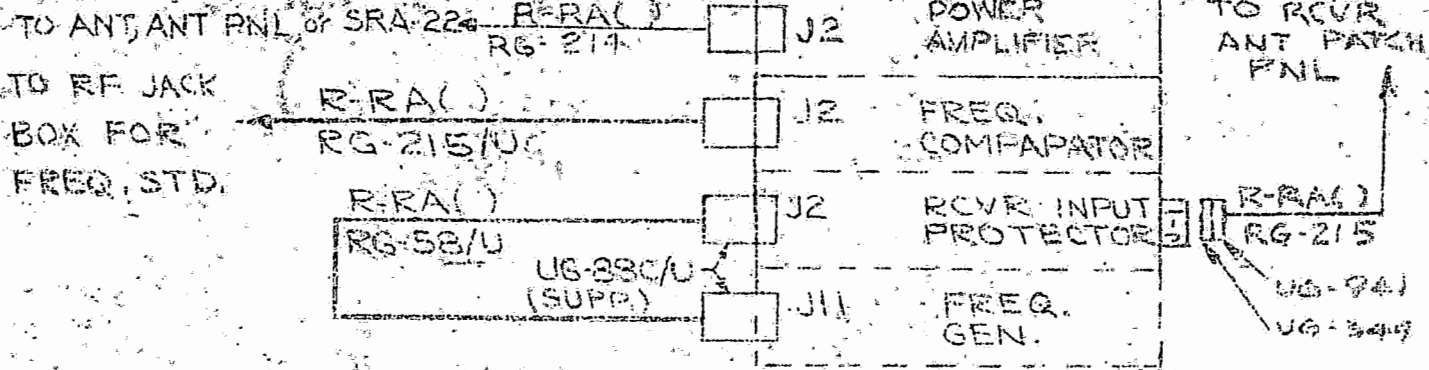
AMPLIFIER
 RADIO FREQ.
 AM-1365/URT



H.D. 73W.
 FOR AM-1365

AM-1365/URT
 ARE 50D 2030 OUTLINE & MTG

BUSHIPS DRAWING NO.			REV.
STD PLAN	404	56700	R
		SK-1664336	
SHEET 24			



NOTE: RED ONLY FOR INSN. OF SEPARATE HVPI'S

TO T123 PANEL

TO RECEIVER TRANSFER PNL

TO TRANSMITTER TRANSFER PNL

TTFWA-1/2-LD#3R-RC()

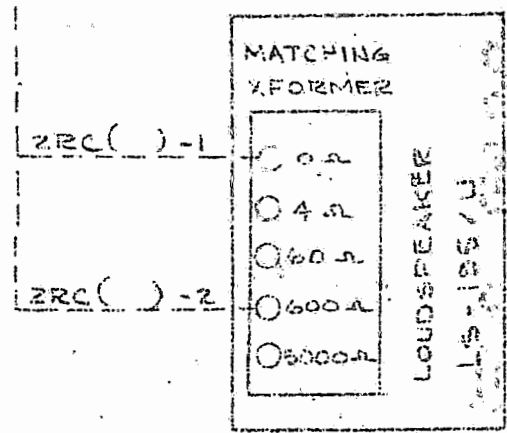
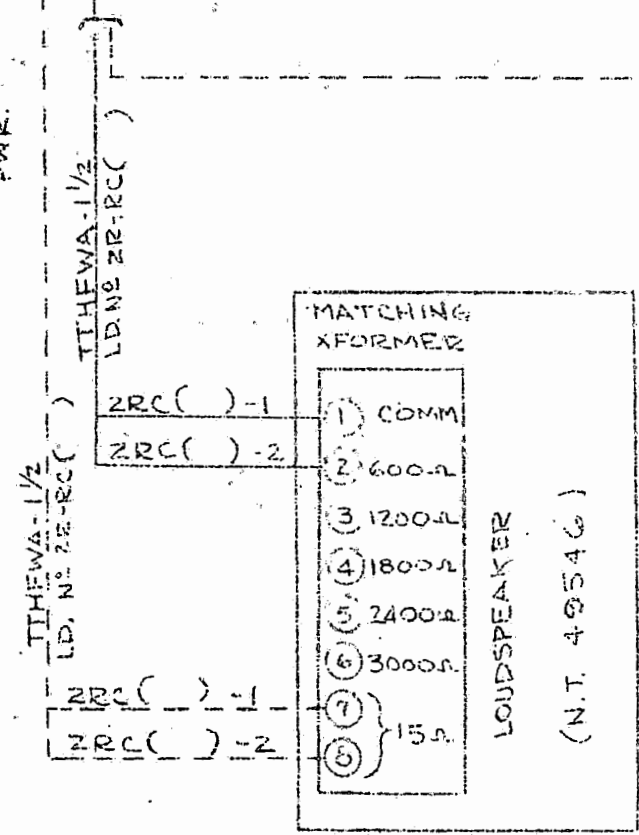
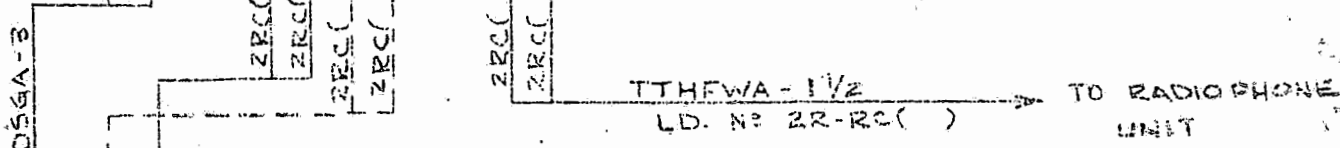
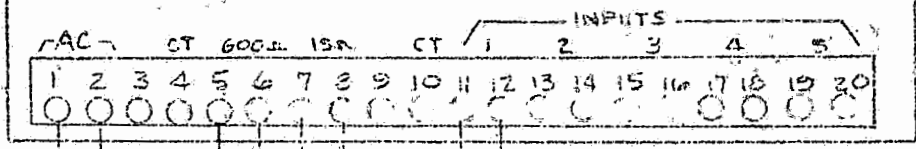
TTFWA-1/2-LD#2R-RC()

MSCA10-LD#1R-RC()

CONT'D ON SH. 47

BUSHIPS DRAWING No.			REV.
STD	404	SK:1664336	R
PLAN	56700		
SHEET 25			

AM-215/U AMPLIFIER



AM-215/U AMPLIFIER
 H.D. ----- 45 WATTS
 WT. ----- 23.5 LBS
 NAVSHIPS 900995
 RE-500-2015/A
 RE-500-2022/A

LS-195/U SPEAKER
 NAVSHIPS 92275

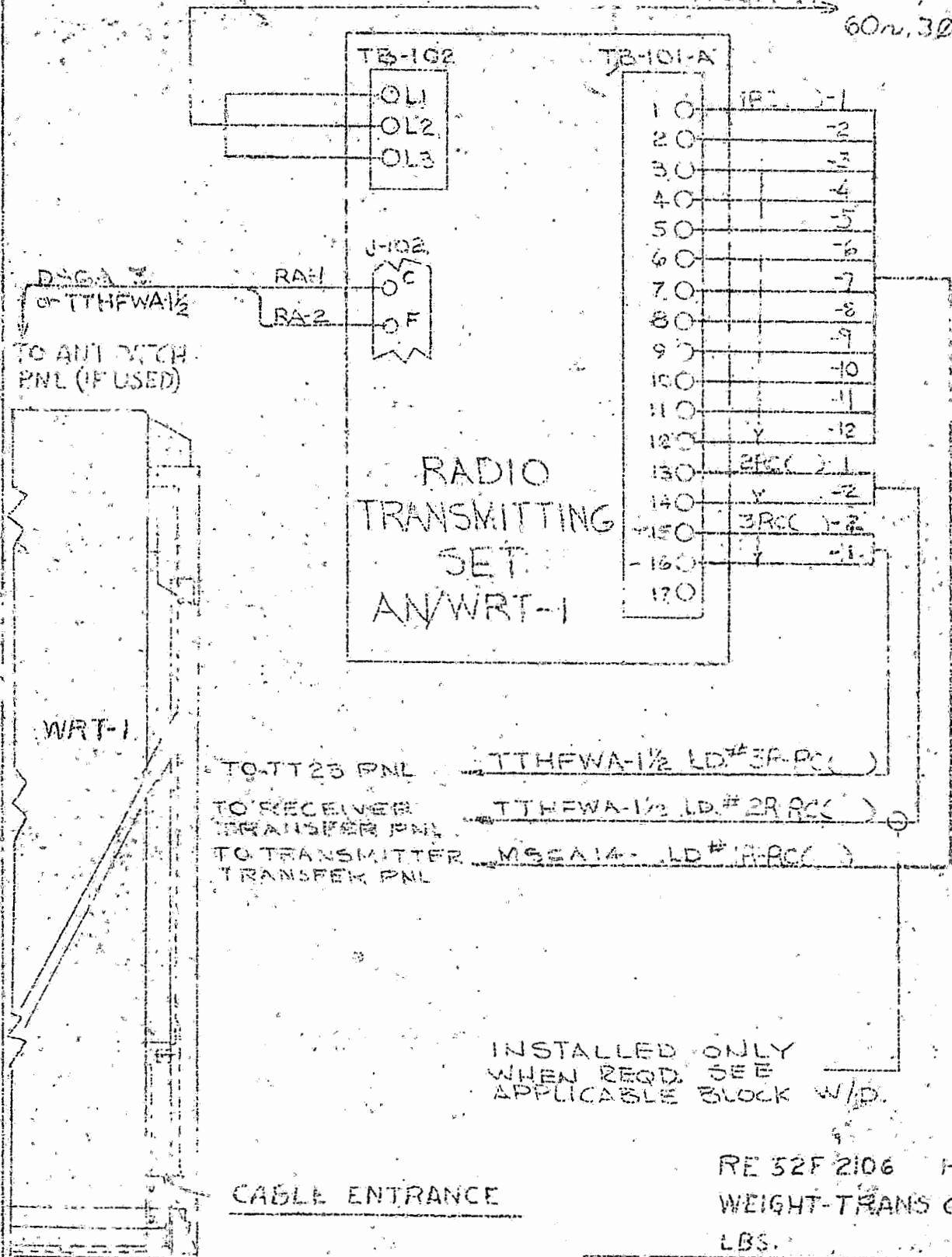
N.T. 49546 SPEAKER
 NAVSHIPS 900618

BUSHIPS DRAWING NO		REV.
STD:	404	R
PLAN	56700 SK 166433G	
SHEET 26		

P103 - UG-943/U
 P101 - MS/3106B-32-7P
 P104 - UG-943A/U
 P3301 - AN/3106E-32-8S
 P3302 - UG-154A/U
 P3501 - AN/3106E-24-28S

P3502 - UG-154A/U
 P3506 - UG-154A/U
 CP104 - UG-653/U
 ALL PLUGS SUPPLIED

T06A-14 TO 115/220/440
 60w, 3Ø, 2.65 KVA



TO TT25 PNL (TTHFWA-1/2 LD.#3F-RCC)
 TO RECEIVER TRANSFER PNL (TTHFWA-1/2 LD.#2R-RCC)
 TO TRANSMITTER TRANSFER PNL (MSEA14 LD.#1R-RCC)

INSTALLED ONLY
 WHEN REQD. SEE
 APPLICABLE BLOCK W/D.

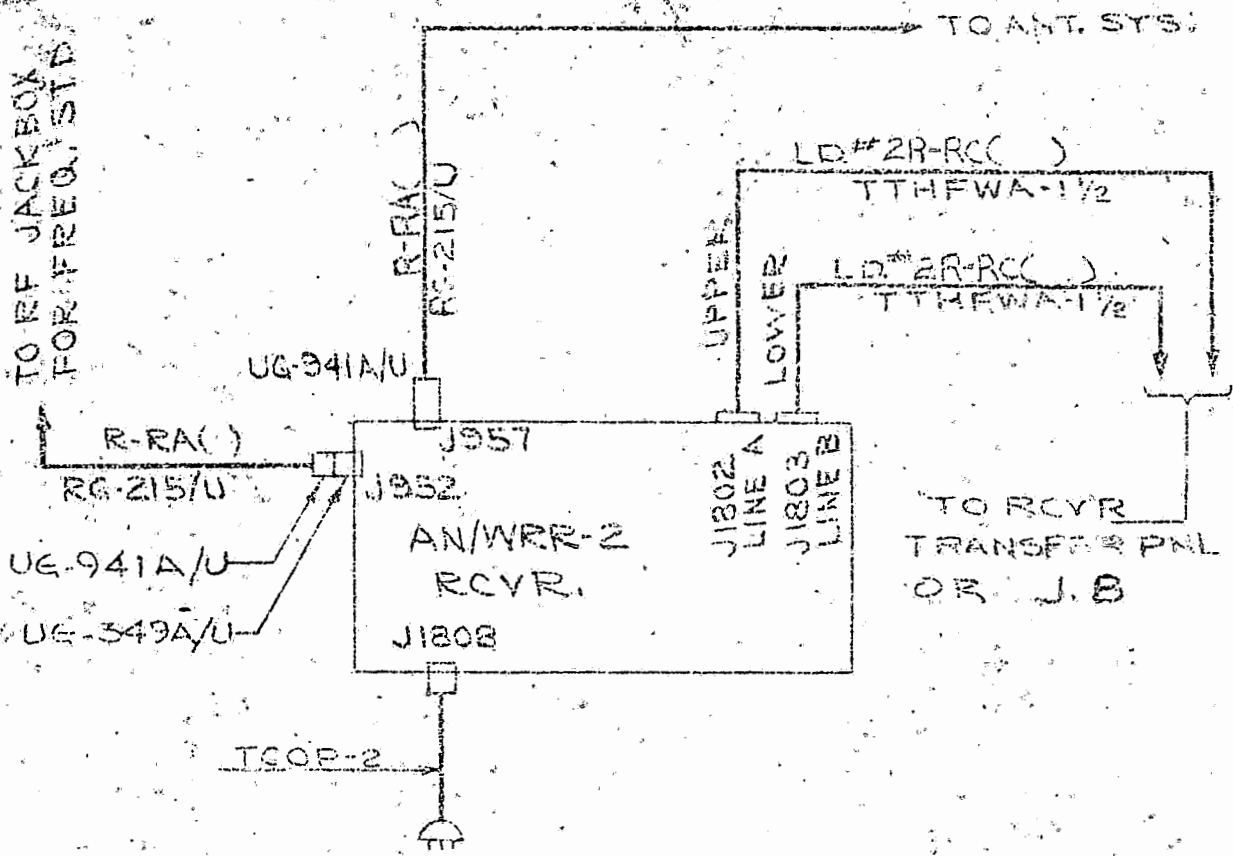
RE 52F 2106 H. D. - 1520W
 WEIGHT-TRANS GROUP-1030
 LBS.

RT. SIDE VIEW

CONT'D ON SH. 49

BUSHNIPS DRAWING NO.			REV.
STD	404	SK-1664336	R
PLAN	56700		
SHEET 27			

TO RE JACKBOX
FOR FREQ. STD.



105/115/125V, 50/60Hz, 10, 25 OW

P1802, P1803 - AN3106A-108L-4S
 P1808 - AN3106A-165-5S
 ALL PLUGS SUPP EXCEPT UG-349A/U

RE 460-2110
 WEIGHT 250 LBS, MTG. 50 LBS
 H.D. 250W

BUSHIPS. DRAWING NO.			REV
STD	404	SK-1664336	R
PLAN	56700		
SHEET 28			

ALTERNATE TO
MULTICOUPLER
R-RA()

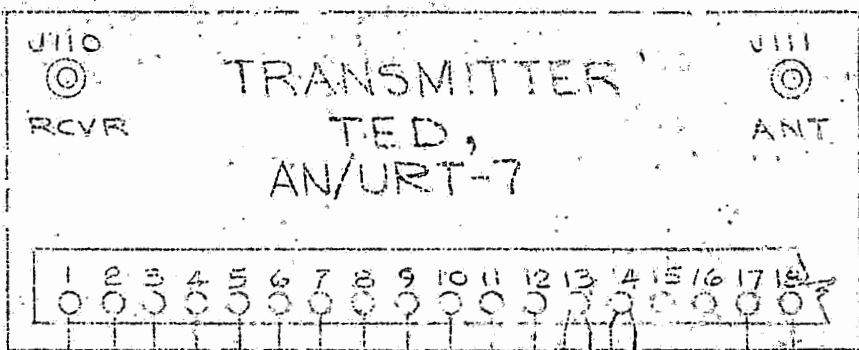
RG-10/U
TO ANT
R-RA()

BZ-150

RG-9/U OR
RG-10/U

UG-9411/U

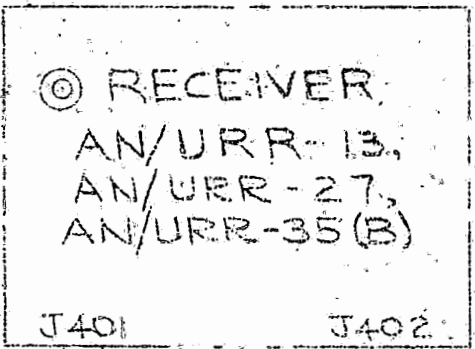
UG-9410/U
PI08



RG-9/U OR
LD# R-RA()

DSGA-9
TO 115V, 60W, 10, 12.0W
TTFEWA-1/2, LD# 2R-RC()
RECEIVER XFER PNL
MSCA-14, LD# IR-RC()
XMTR XFER PNL

UG-9410/U
P404



TTFEWA-1/2
LD# 2R-RC()

AN-3106A-14S-7S
AN-3057-6 CLAMP

P402

AN-3106A-14S-2S
AN-3057-6 CLAMP

TCOP-2
TO 115V, 60W, 10, 12.0W

H.D-700W-URT-7
H.D-725W-TED
H.D-120W-RCVR
ALL CONNECTORS SUPPLIED;
EXCEPT BZ-150.
RE 46F 2037

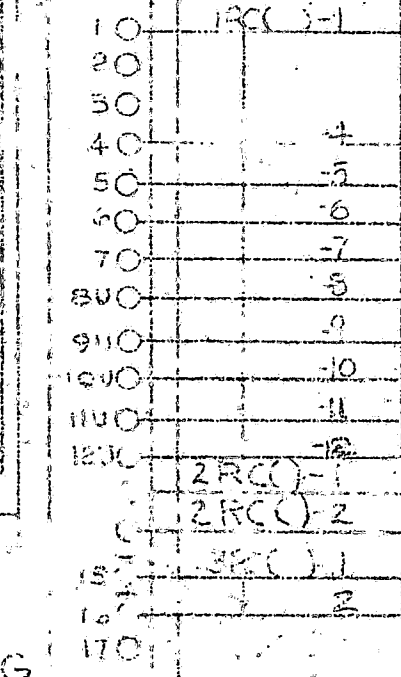
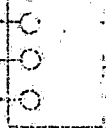
BUSHIPS DRAWING NO.		REV
STD. PLAN	404 56700	SK-1664336 R
SHEET 29		

100% 1/1/00

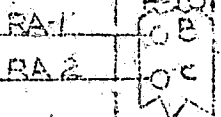
T5GA-14 TO 115/220/440
60W, 3Ø, 2.65 KVA

TB-102

TB-101A



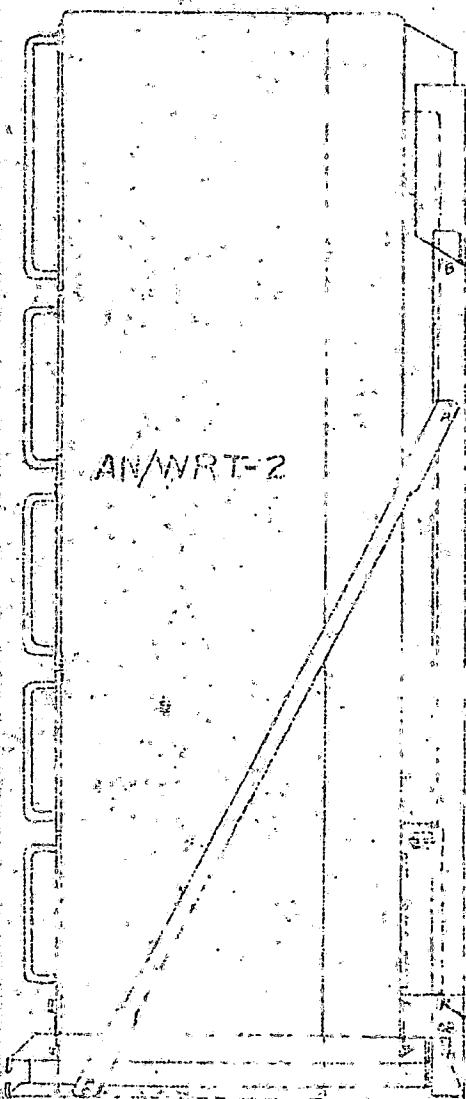
DSGA-3
or TTHFWA-1/2



TO ANT PATCH PNL
(IF USED)

8LO	1RCC-1
9LO	4
10LO	5
11LO	6
12LO	7
13LO	8
14LO	9
15LO	10
16LO	11
17LO	12
18LO	2RCC-1
19LO	2RCC-2
20LO	3RCC-1
21LO	3
22LO	2

RADIO TRANSMITTING SET AN/WRT-2



TO RECEIVER TRANSFER PANEL (WHEN USED)

TTHFWA-3
LD NO 2R-RC()

TO TT23 PANEL

TTHFWA-1/2-LD 3R-RC()

TO TRANSMITTER TRANSFER PANEL

MSCA19-LD 1R-RC()

NOTE PARALLEL TERMINALS BETWEEN TRANSFER PANELS

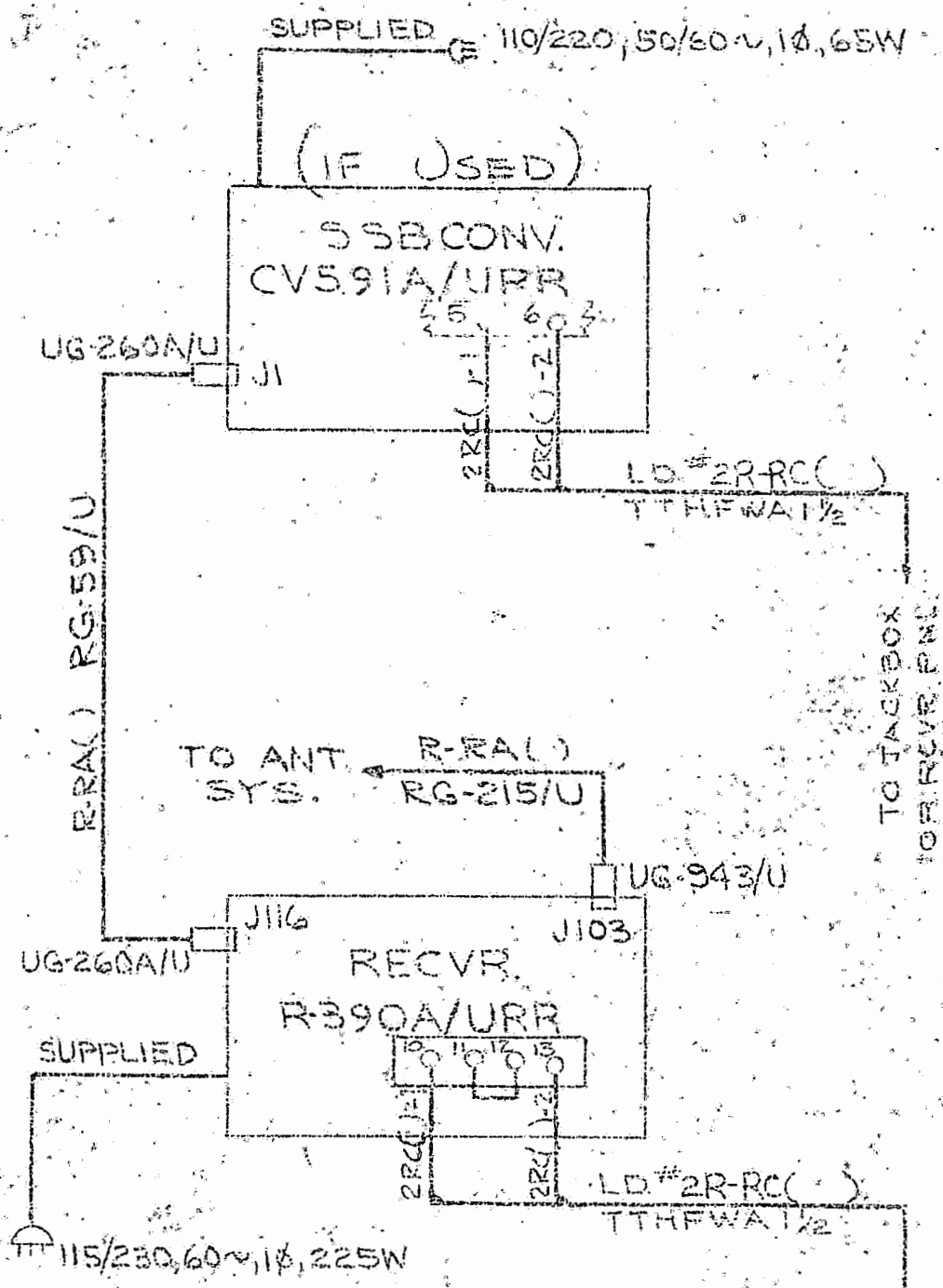
CABLE ENTRANCE

RE-52F 2130
WEIGHT 950 LBS.
FD-1500

RIGHT-SIDE VIEW

CONT'D ON SH. 48

BUSHING DRAWING NO.		REV
STD PLAN	404	5K-1664336
SHEET 30		



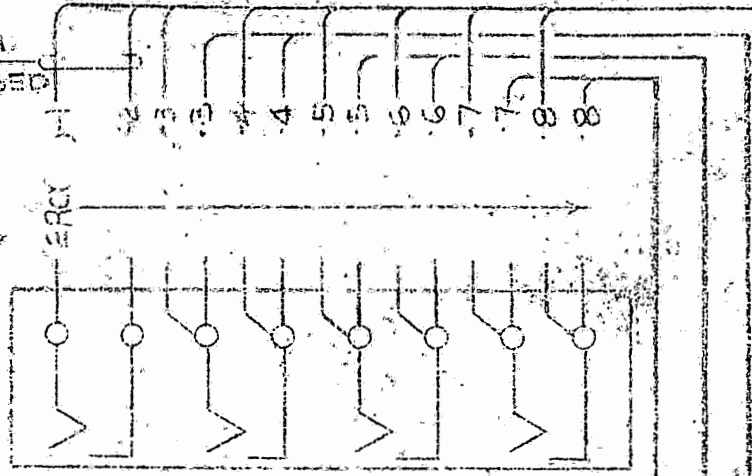
H.D. 65 W. SSB CONV.
 H.D. 225 W. RCVR

RE 46 D 2108 SIZE
 NO PLUGS SUPPLIED

WEIGHT
 R-390A/URR - 75 LBS

BUSHIPS DRAWING NO.			R
STD	404	SK-10643	
PLAN	56700		
SHEET 31			

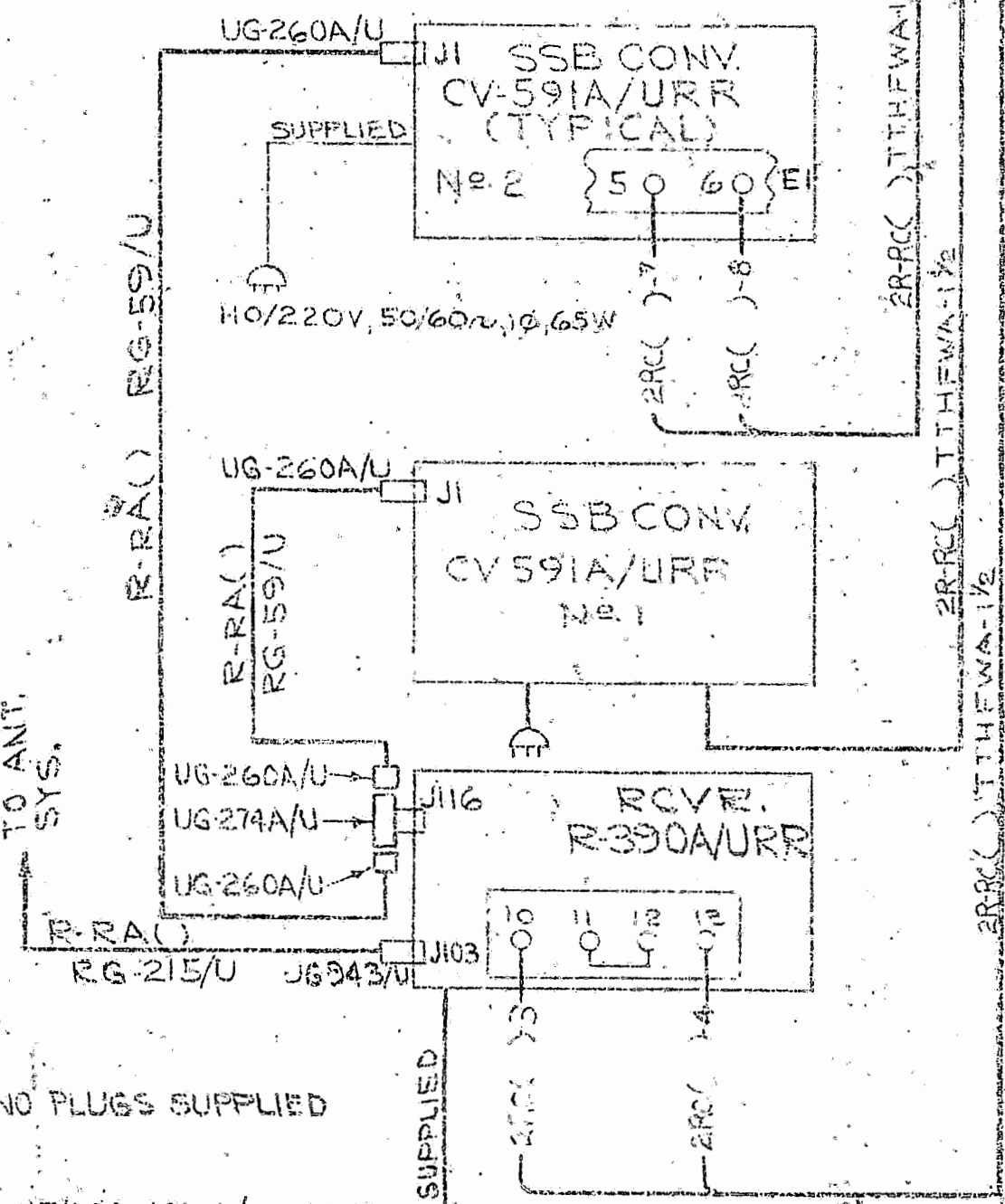
OMIT THESE CONN.
IF THE FWA-3 IS USED



J-939/U JACKBOX

THE W50RTS
(2R-RC)

TO RCVR
XFR PNL



TO ANT.
SYS.

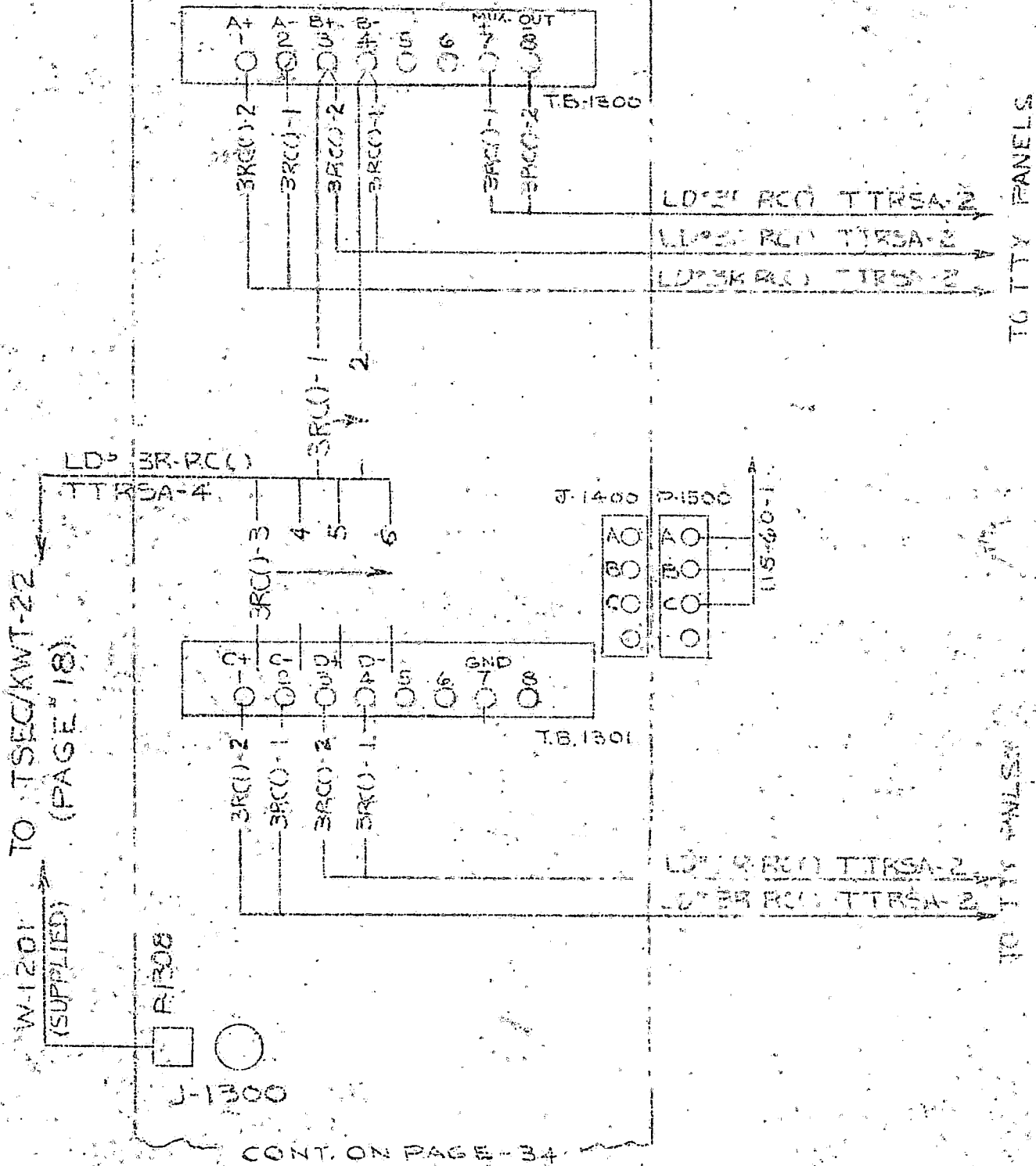
NO PLUGS SUPPLIED

115/230, 60 \pm 1 ϕ , 225W
RE 50C 2039
H.D. - SSB CONV. - 65W
H.D. - RCVR - 225W

BU SHIPS DRAWING NO.		REV.
STD PLAN	404 56700	SK-1664536 P
SHEET 20		

100% WAVE

AN/UGC-1 MULTIPLEX



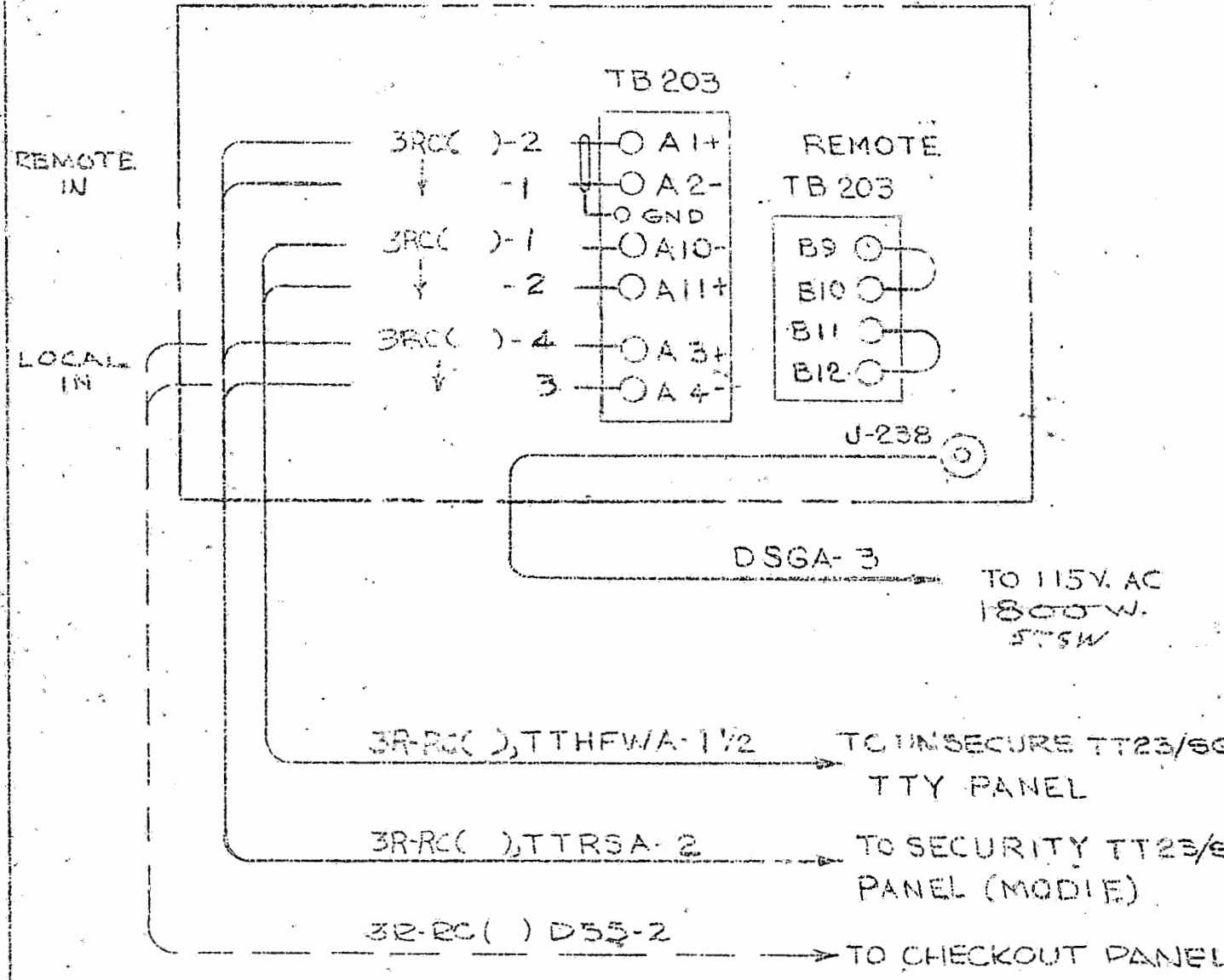
CONT. ON PAGE 34

XMIT.

RE 67F 2123 OUTLINE FMTG

BUSHIPS DRAWING NO			REV
STD	404	BK1664326	B
PLAN	56700		
SHEET 33			

ON LINE CRYPTO TRANSMITTER TSEC/KWT-26(F)

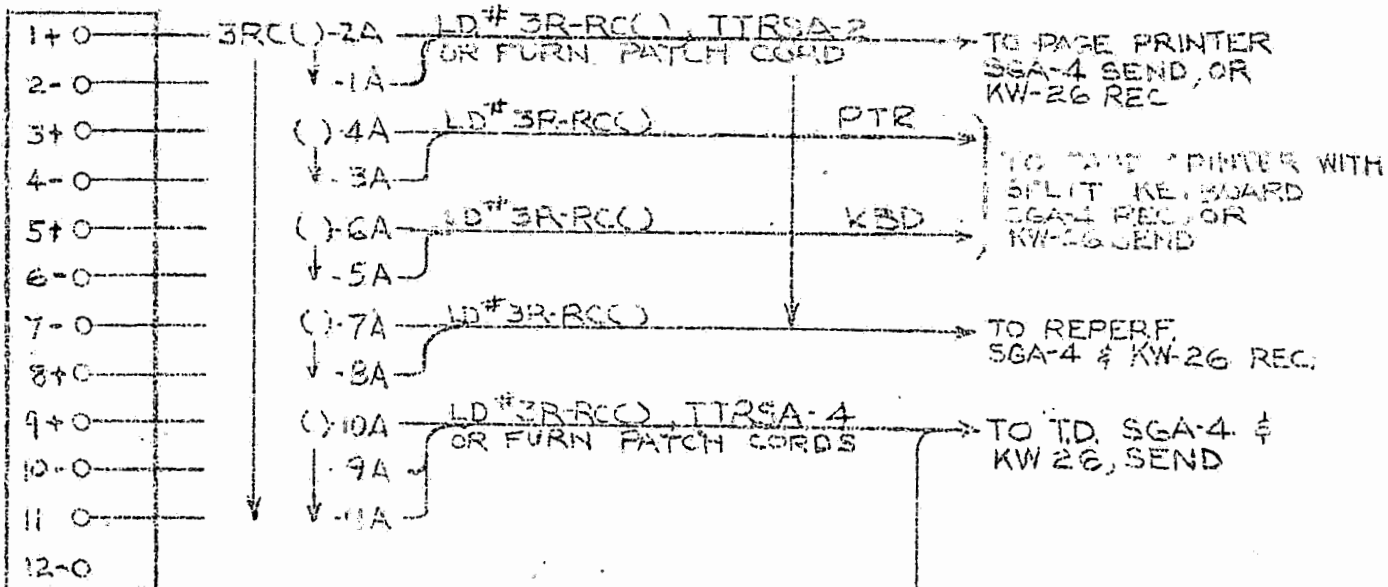


NOTE:
 ADD JUMPER FROM B9 TO B10 & B11 TO B12 OF TB-203 OF KWT-26(F)
 INSTALL D55-2 CABLE AS SHOWN WHEN PERMANENT CHECKOUT FACILITIES ARE PROVIDED.

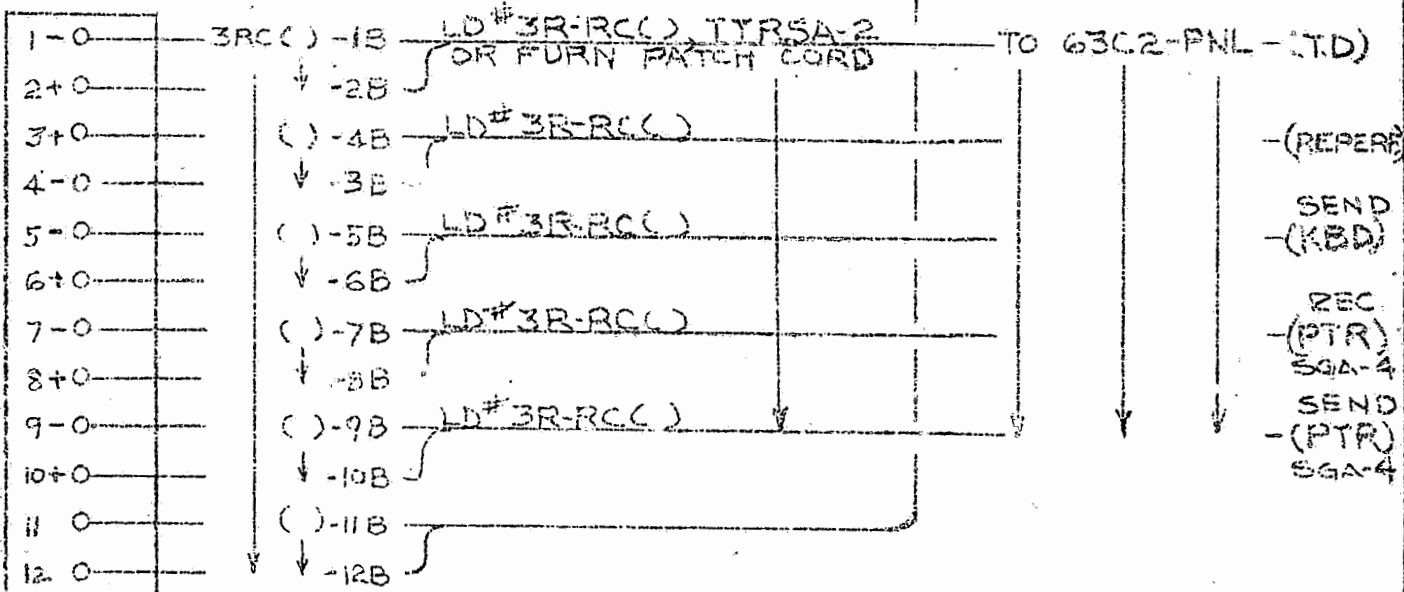
HD. 1500
 RE 67 C 2175
 RE 67 C 2174
 RE 67 F 2188

BUSHIP- DRAWING NO.			REV
STD. PLAN	404 56700	SK-1664336	R
SHEET 36			

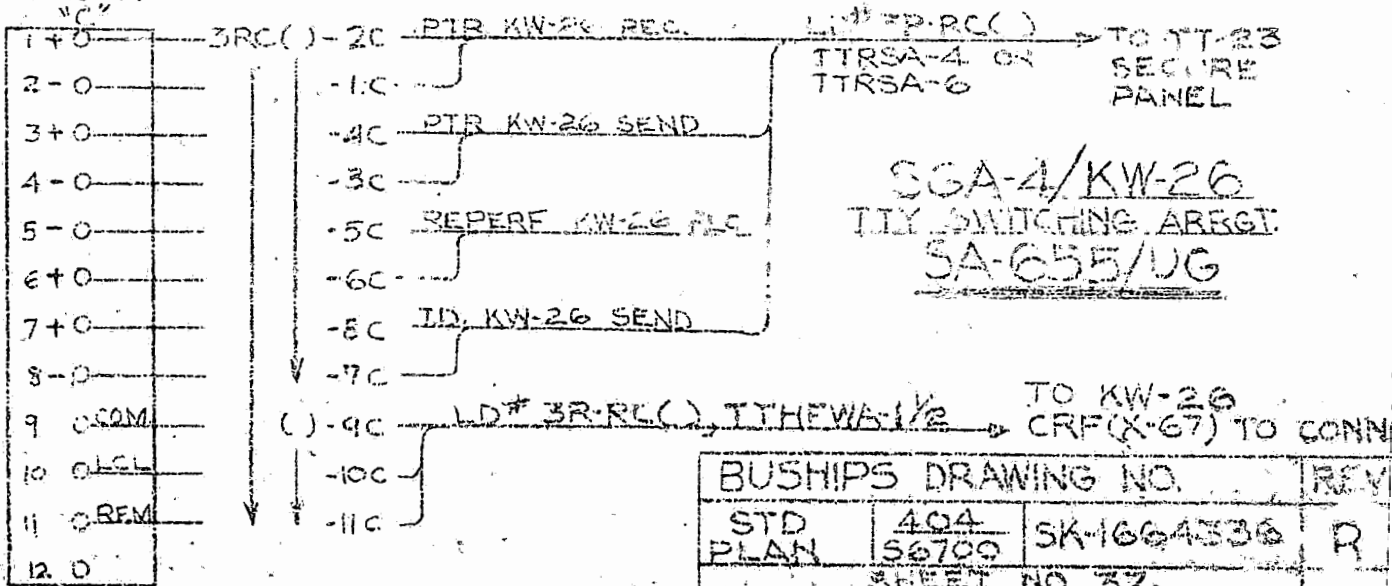
BLOCK "A"

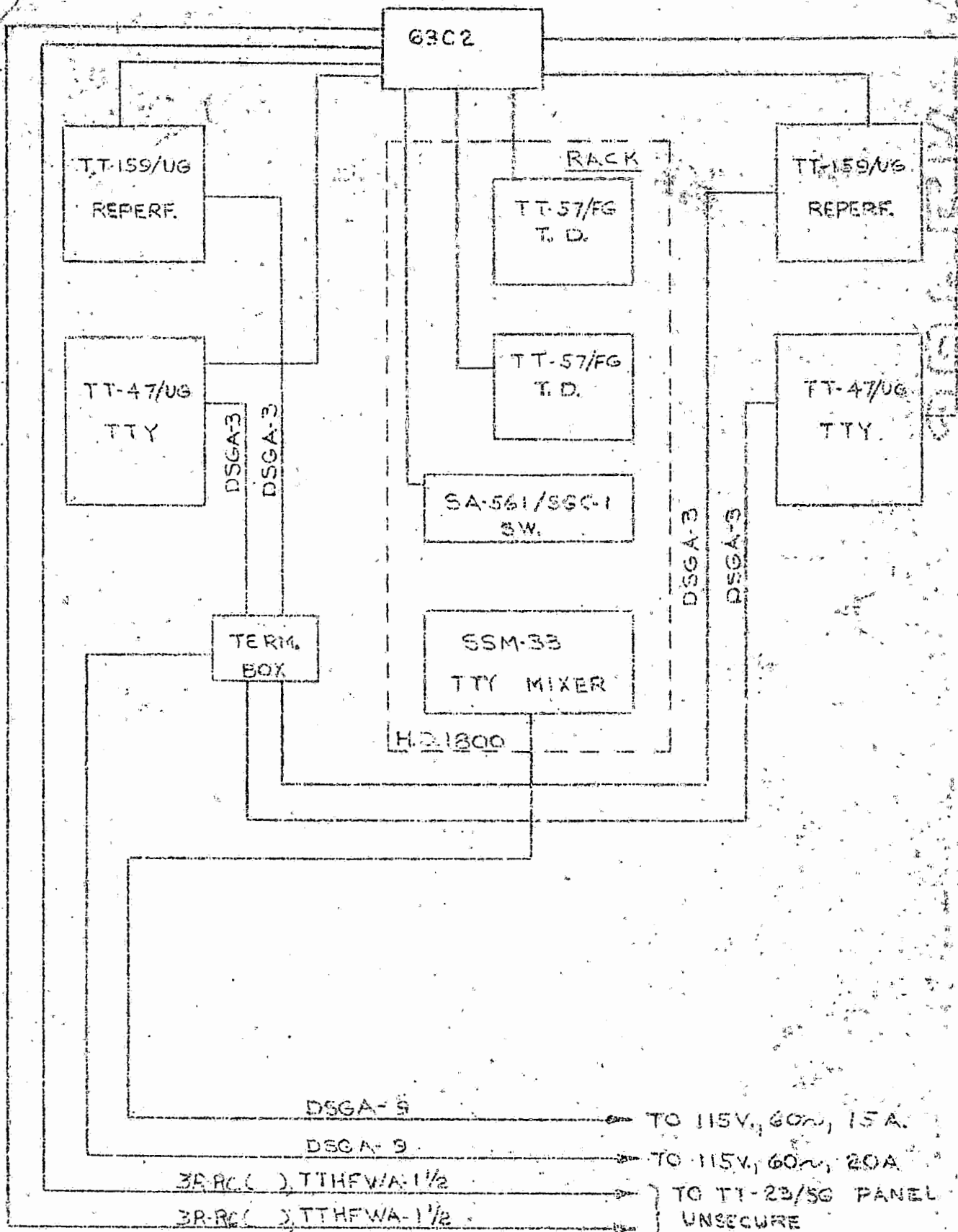


BLOCK "B"



BLOCK "C"

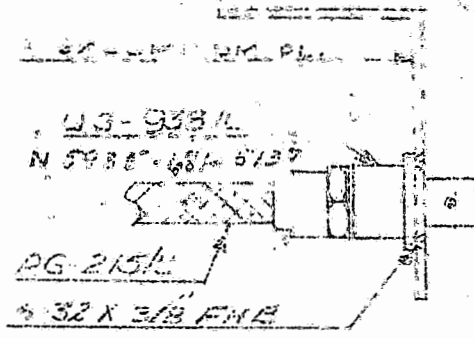
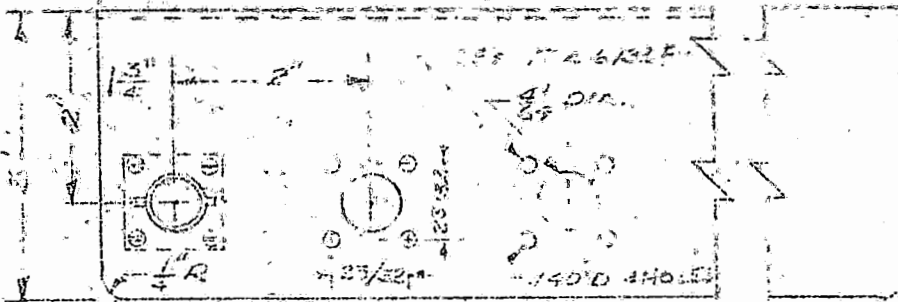




AN/SGA-4 GROUP

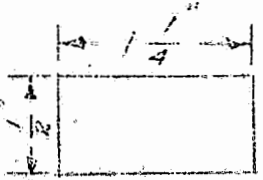
RE 270 2.30 OUTLINE & MTS

BUSHIPS DRAWING NO			REV.
STD PLAN	404 56700	5K1664336	R
SHEET 38			



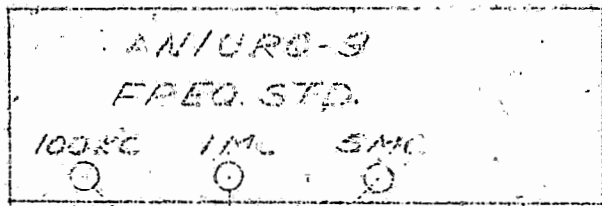
ANIURG-9 PATCH PANEL

DETAIL A

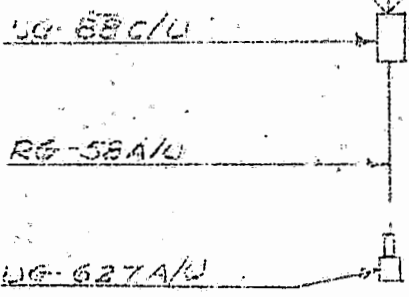


NAME PLATE

NO. OF CONNECTORS	MIN A
1	3 1/2"
2	3 1/2"
3	7 1/2"
4	9 1/2"
5	11 1/2"
6	13 1/2"
7	15 1/2"
8	17 1/2"

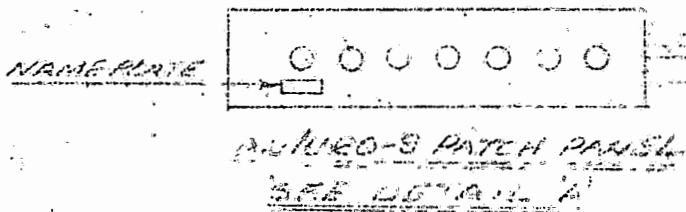
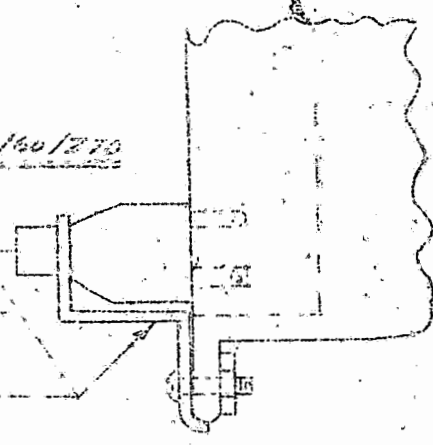


P/O RECEPTACLE TYPE-G-31A
 FSN 5935-096-2715



PWR 115V/100/127V

PWR CORD & LOCKING
 CONNECTOR FURNISHED
 BY STND. LAB.



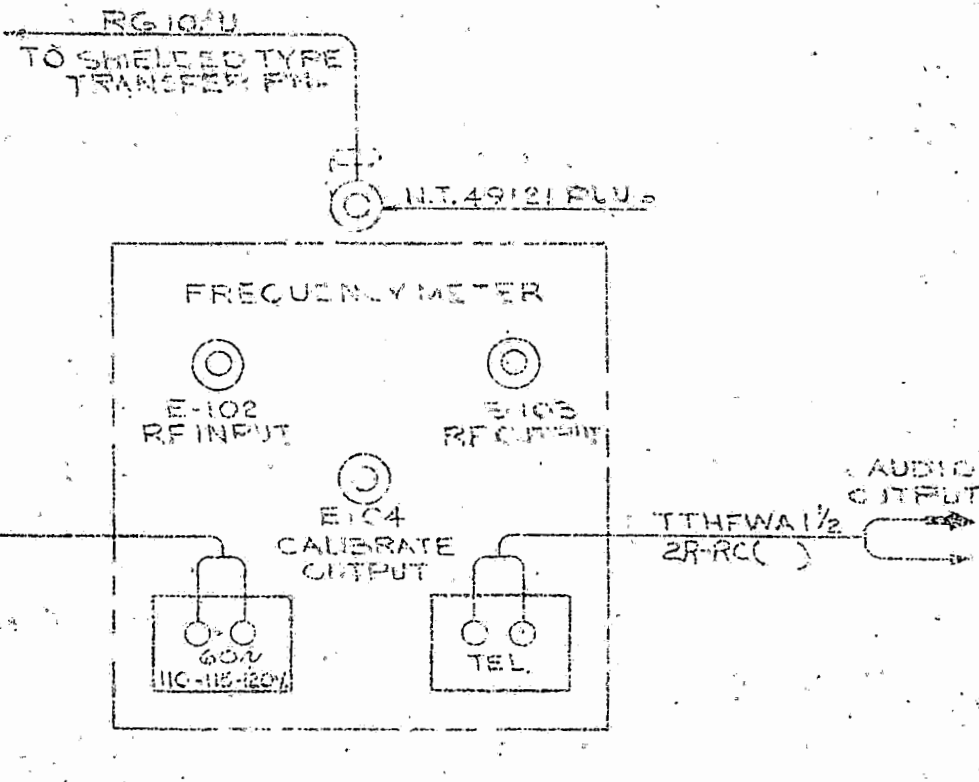
TO EQUIP. AS REQD.

RY 2.570

H.D. 75 W
 RE 35D 2003

(CONT'D ON SHEET-92)

BUSHIP DRAWING NO			RE
S-D	404	SK-1664336	R
PLAN	156720		
SHEET 38			



AC POWER INPUT
115V, 60-2, 10, 160 W

LR-1 OR LR-2
FREQUENCY METER

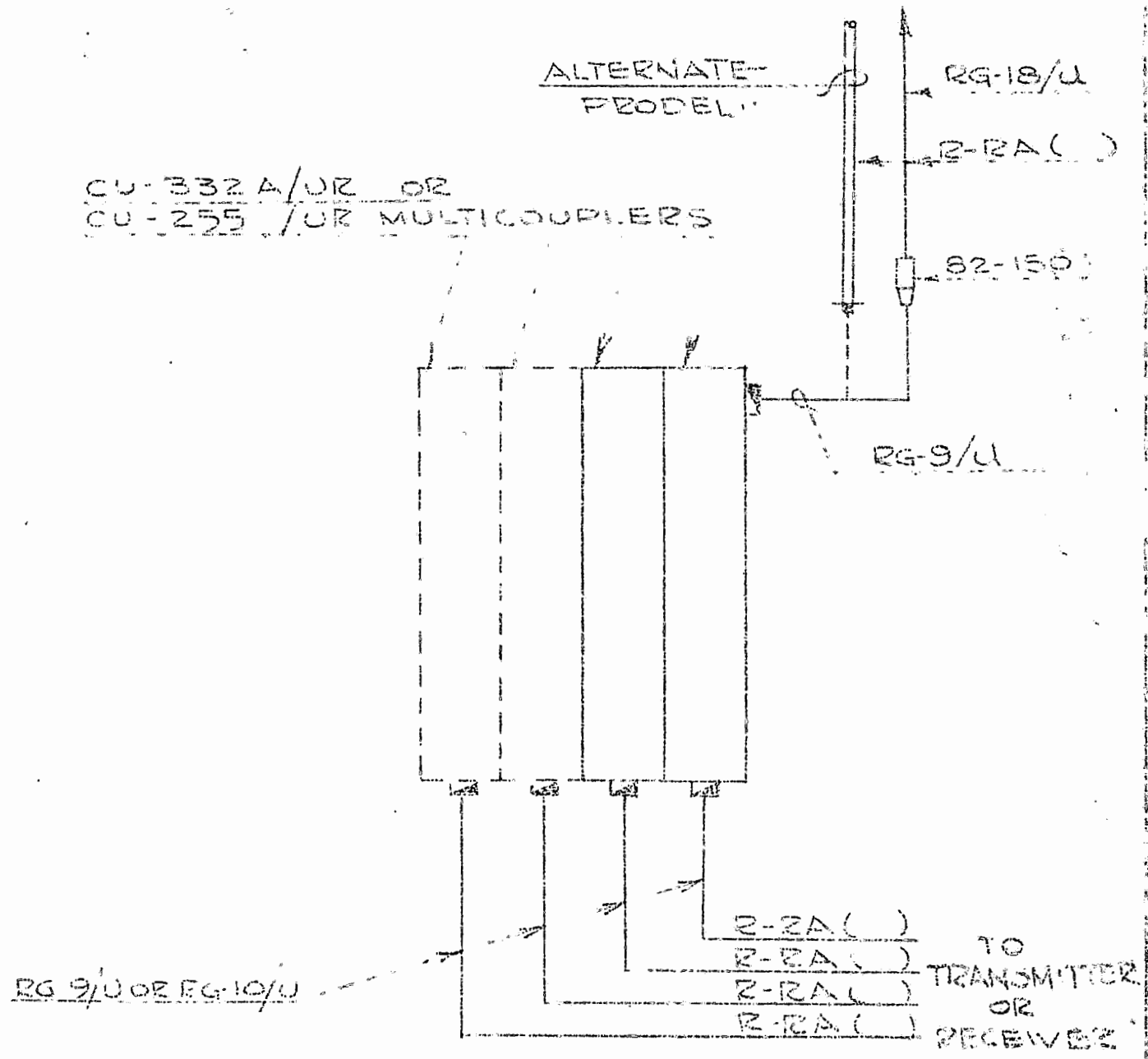
WEIGHT 155 LBS
PWR REQR 160 WATTS (FULL PWR)

BUSNIF'S DRAWING NO.			REV
STD	404	SK-10664336	R
PLAN	56700		
SHEET 40			

TO 100' ANTENNA

ALTERNATE
MODEL

CU-332A/UR OR
CU-255/UR MULTICOUPLERS



UG-941B/U CONNECTORS ONE (1) FURN. WITH EA. COUPLER

H.D. NEGLIGIBLE

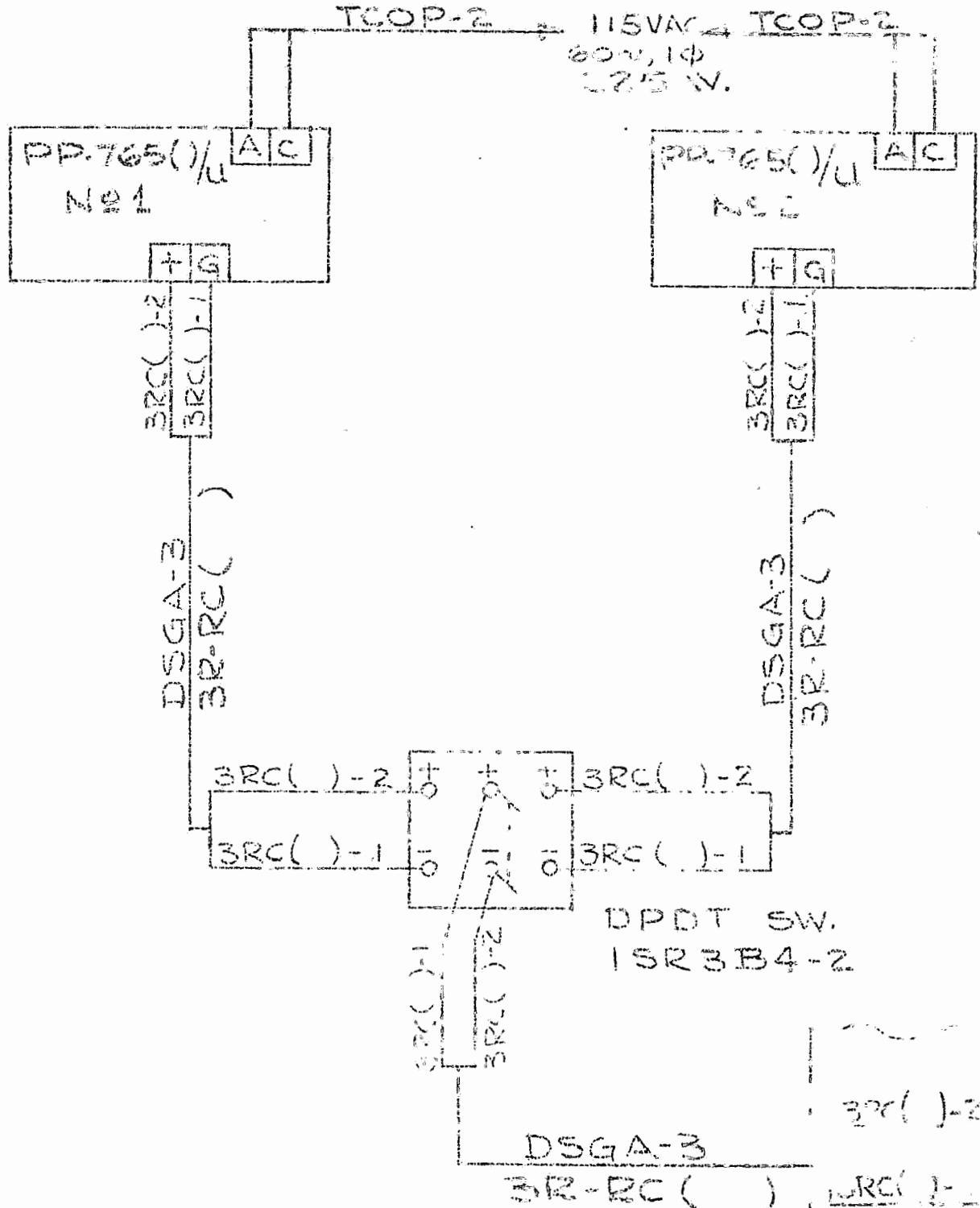
NO PWR. RECD. FOR TED'RD INSTALLATION

WEIGHT

CU-255/UR - 27 LBS

CU-332A/UR - 35 LBS

FUSHERS DRAWING NO		REV.
STD PLAN	4CA 55703	SKIC64336 R.
SHEET 41		

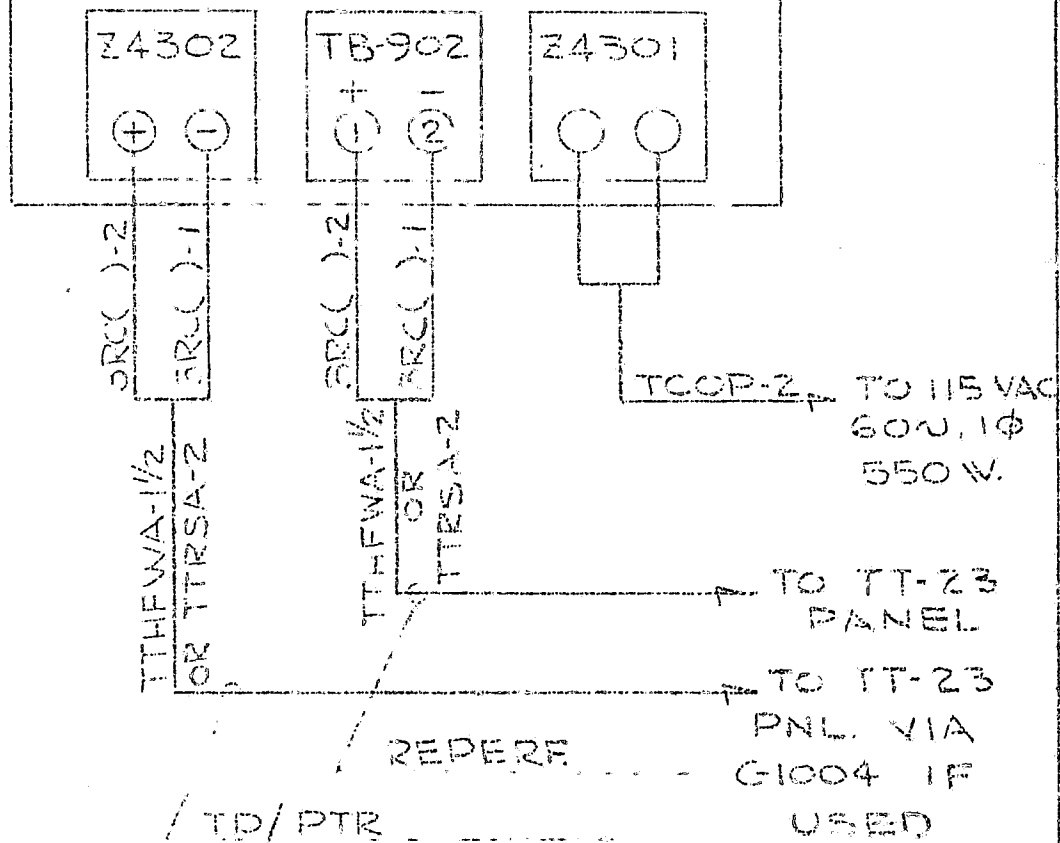


WE 247 123 135
 PP-765() / U
 HD. 105 W. (EA.)
 RE 20 D 2003

BR() - 2 + 0
 BR() - 1 - 0
 -23/36
 PANEL

BUSINESS DRAWING NO		REV.
STD. PLAN	404 S6700	SK-1664336 R
SHEET 42		

AN/UGC-6 TELETYPEWRITER WITH REPERFORATOR



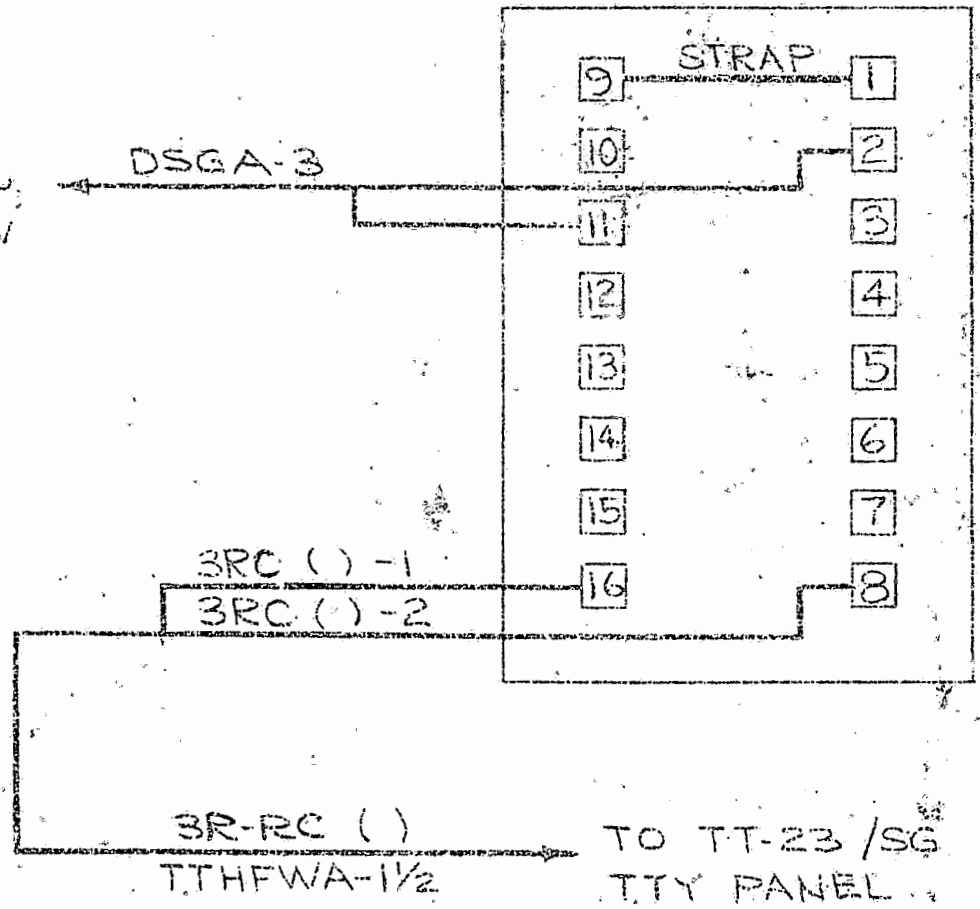
(SEE SHEET #99 FOR SPLIT KEYBOARD)

WEIGHT-267 LBS
H.D. 500
RE 67 H 2194
RE 67 F 2195

BUSHIPS DRAWING NO.		REV.
STD. PLAN	404 56700	SK1664336 R
SHEET 43		

"F" PLUG

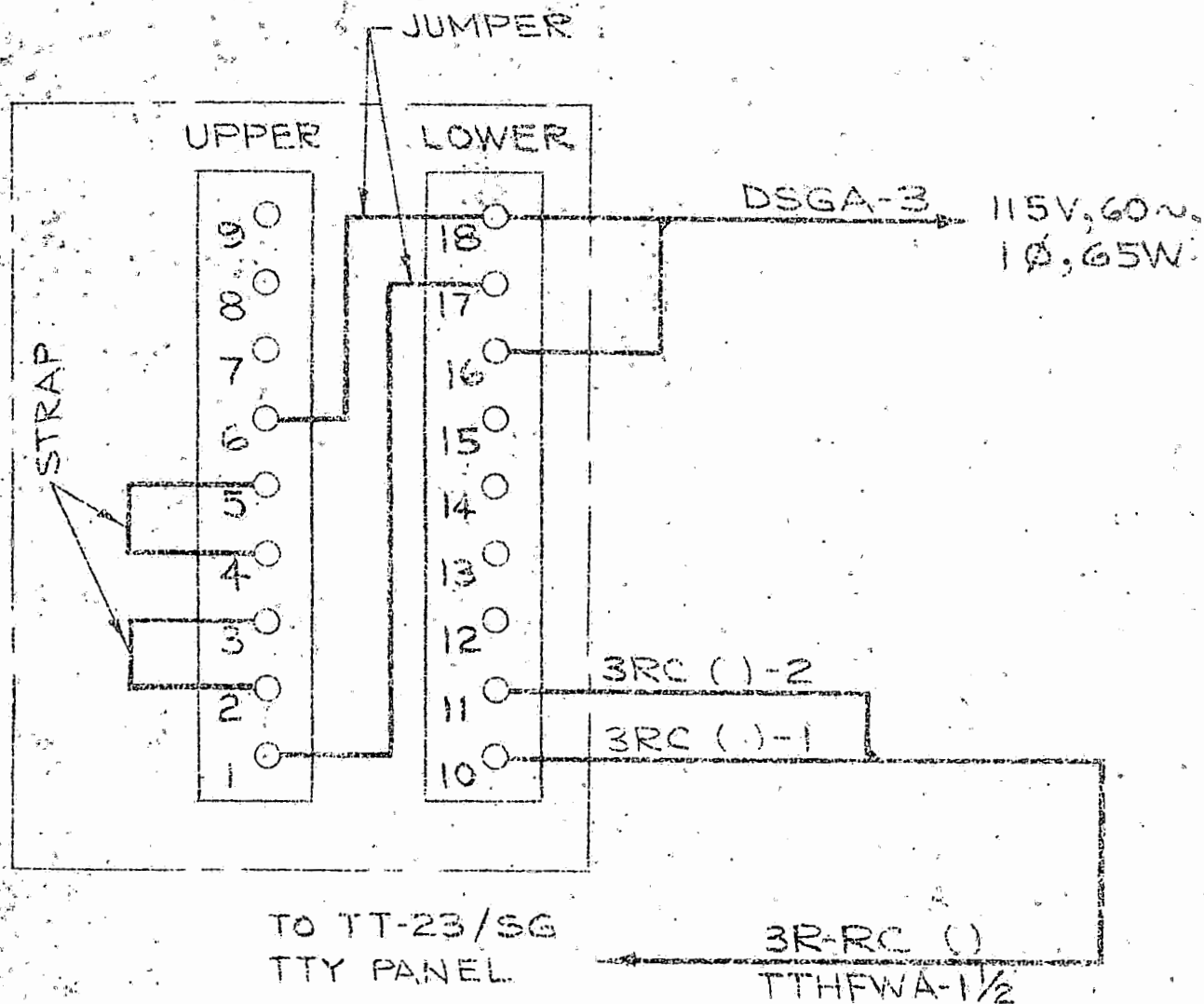
115V, 60W
1ϕ, 65W



TT-253/UG PERFORATOR-
REPERFORATOR

H.D. 50W
RE-67D-2170

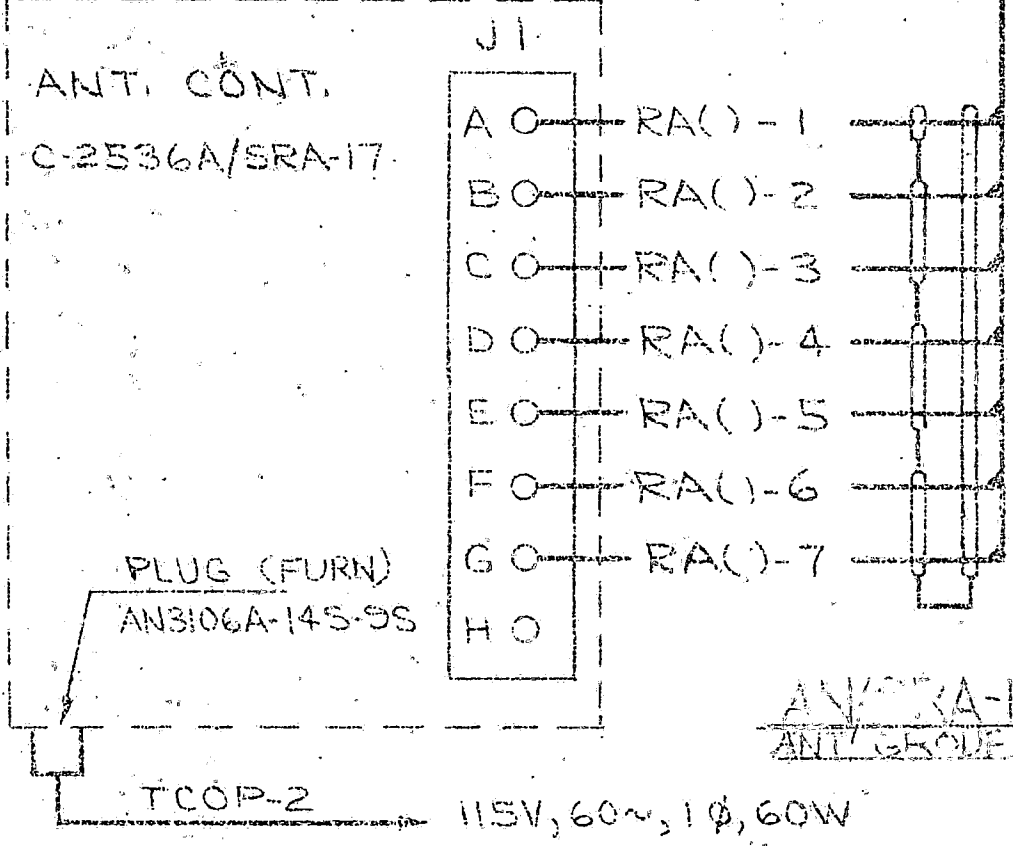
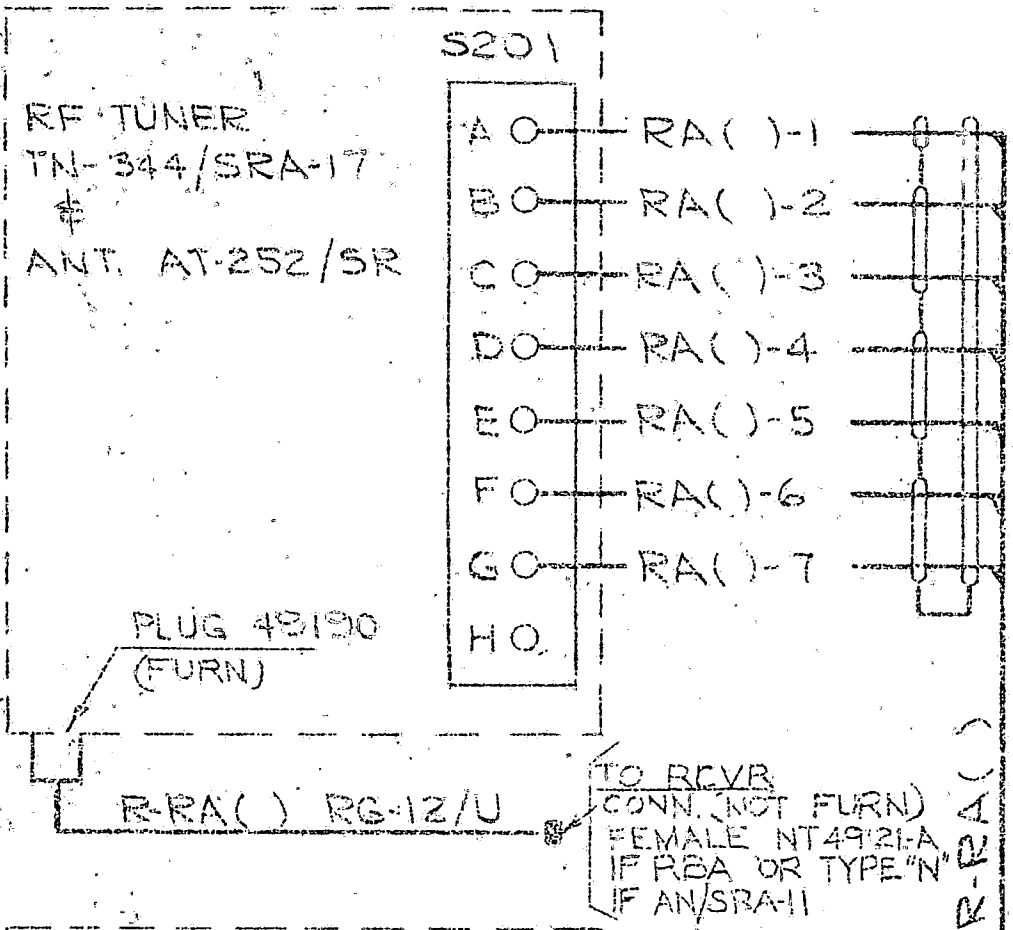
BUSHIPS DRAWING NO			REV
STD.	404	56700	S11664356
PLAN	56700		
SHEET 44			R



TT-187/UG XMTR. DIST.

H.D. = 50 W
 RE-67D-2167
 RE-67D-2170

BUSHIPS DRAWING No			REV
STD PLAN	404 36700	SK 1864336	R
SHEET 45			



WEIGHT
ANT TUNER 22½ LBS
ANT 20 LBS
ANT CONT 16 LBS

BUSHIPS DRAWING NO.			REV.
STD	404	SK-1664336	R
PLAN	SG700		
SHEET 46			

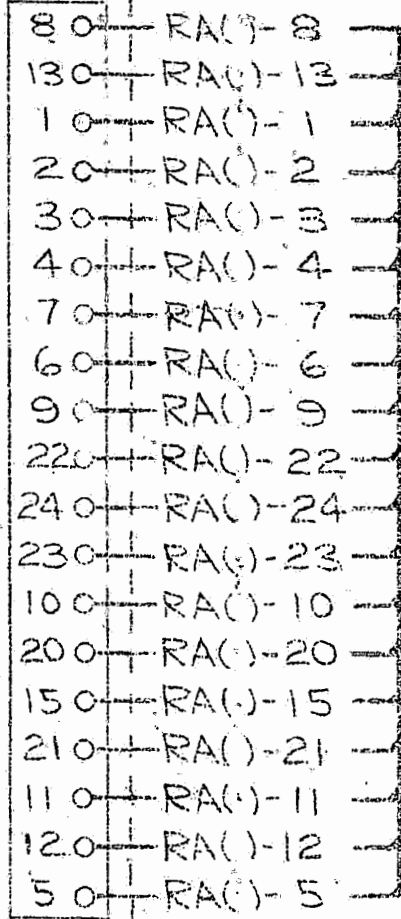
4 CONNECT 1 (1/2) PLOC ON ANT. J2K.
 TO TB-J (1/2/18)

COUPLER
 CONTROL
 C-2698/
 SRA-22

WEIGHT
 COUPLER CONTROL 42 LBS
 ANT. COUPLER 17 LBS

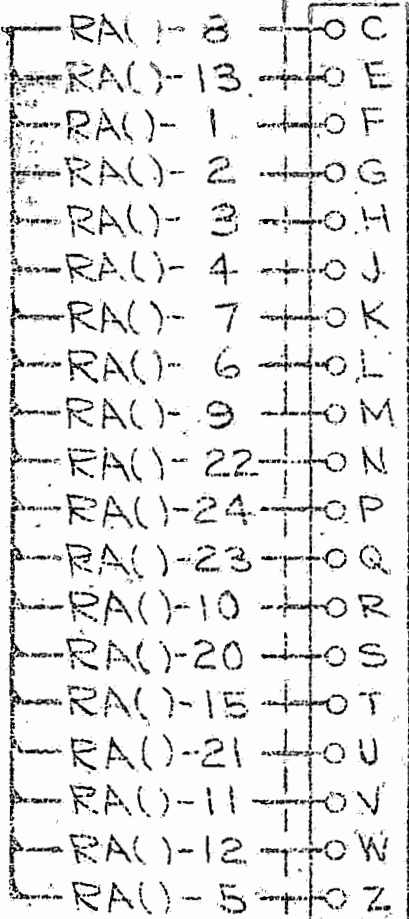
PWR. REQR 115/230V, 50-60 Hz, 1Ø, 100 WATTS MAX.

J-5, P5

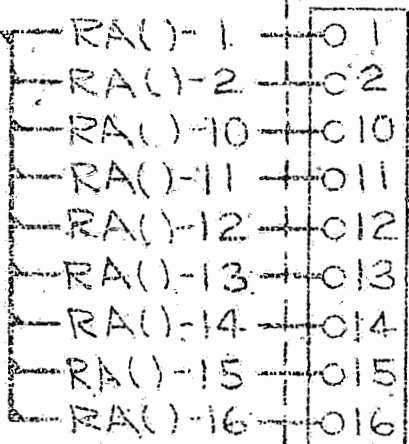
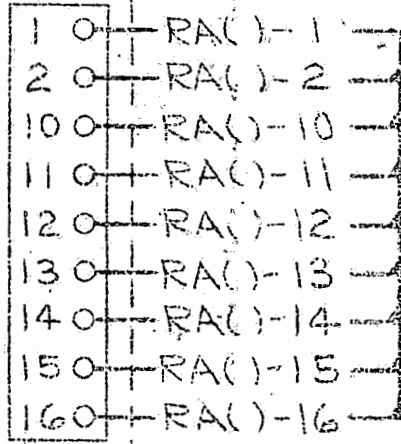
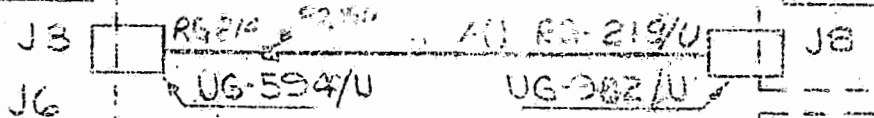


R-RA() MSCA-24

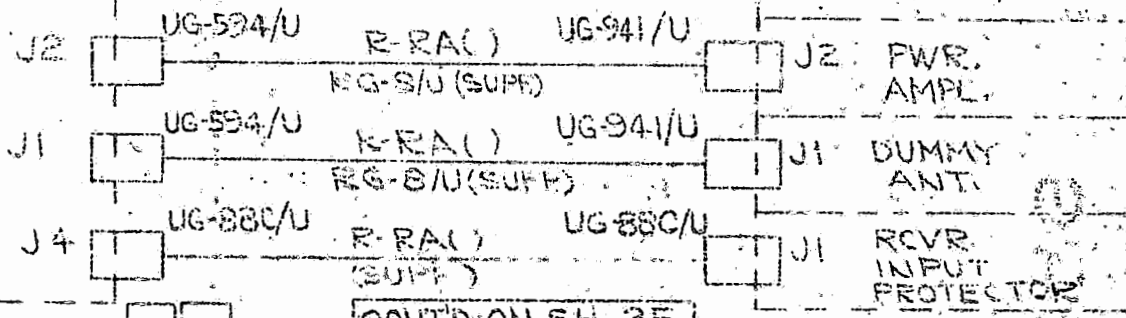
J-7 P7



ANTENNA
 COUPLER
 CU-714/
 SRA-22



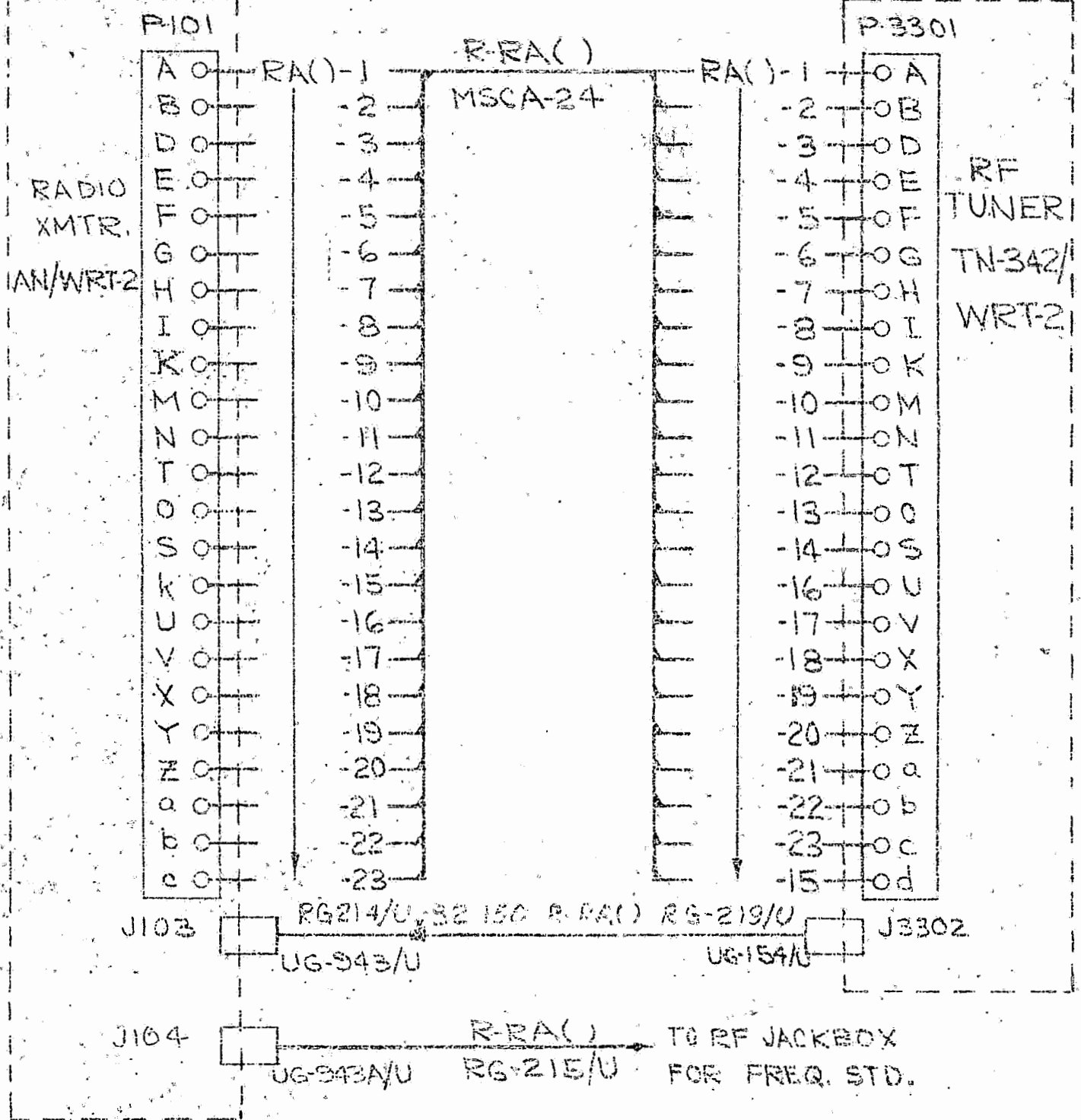
TB H
 AN/URC-32
 XCVR.



(NOT SUPP) UG-349A/U
 (NOT SUPP) UG-941/U
 TO REC. R-RA()
 ANT. PNL. RG-215/U

CONT'D ON SH. 25.

BUSHIPS DRAWING NO.		REV.
STD	404	SK-1664336
PLAN	S6700	
SHEET 47		

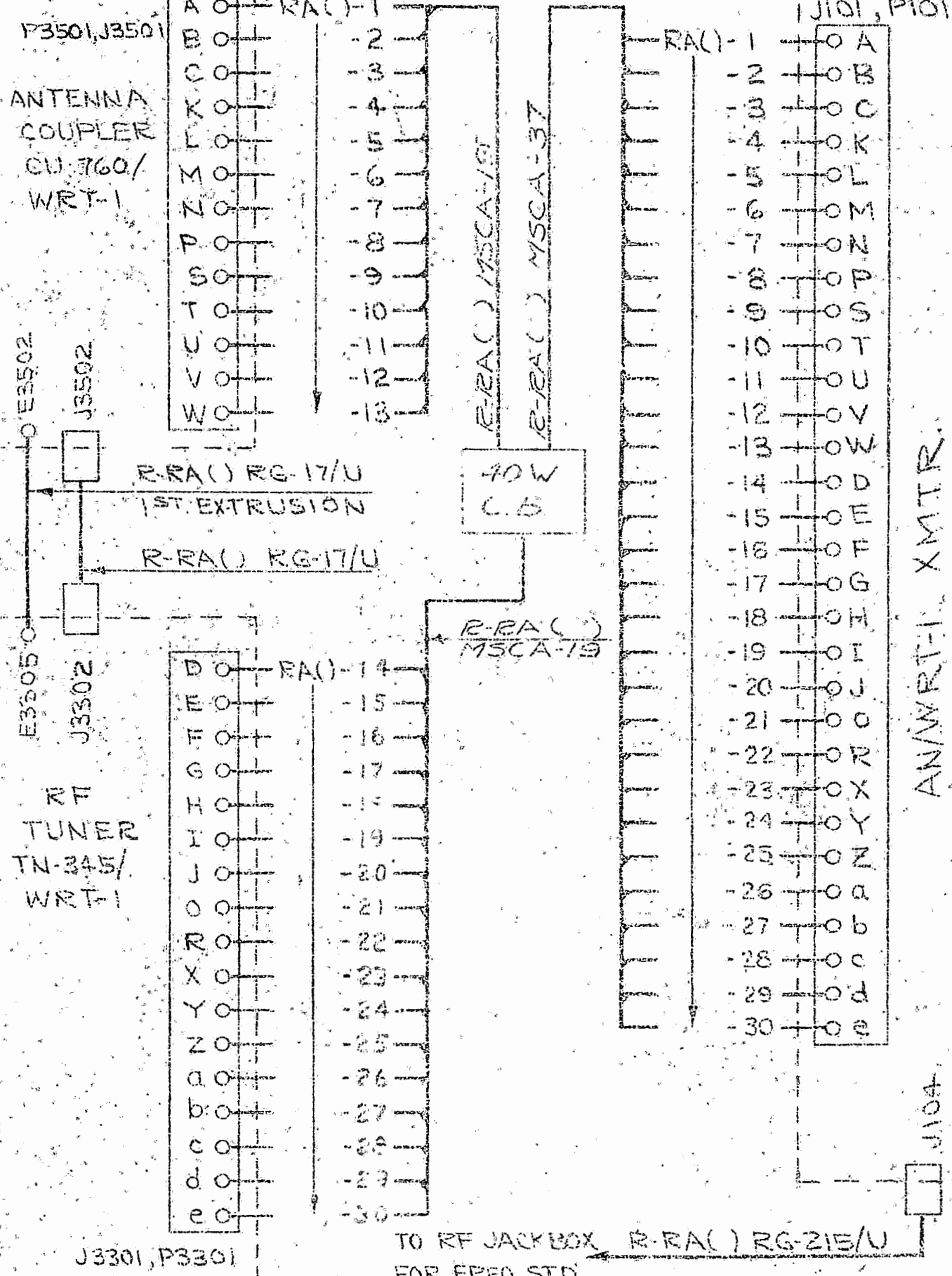


- P101 - MS/3106B-32-7P
- P103 - UG-943/U
- P104 - UG-943A/U
- P3301 - AN/3106E-32-8S
- P3302 - UG-154/U
- CP104 - UG-635/U
- ALL PLUGS SUPPLIED

AN/WRT-2
XMTR ANT CONN.

CONT'D ON SH. 30

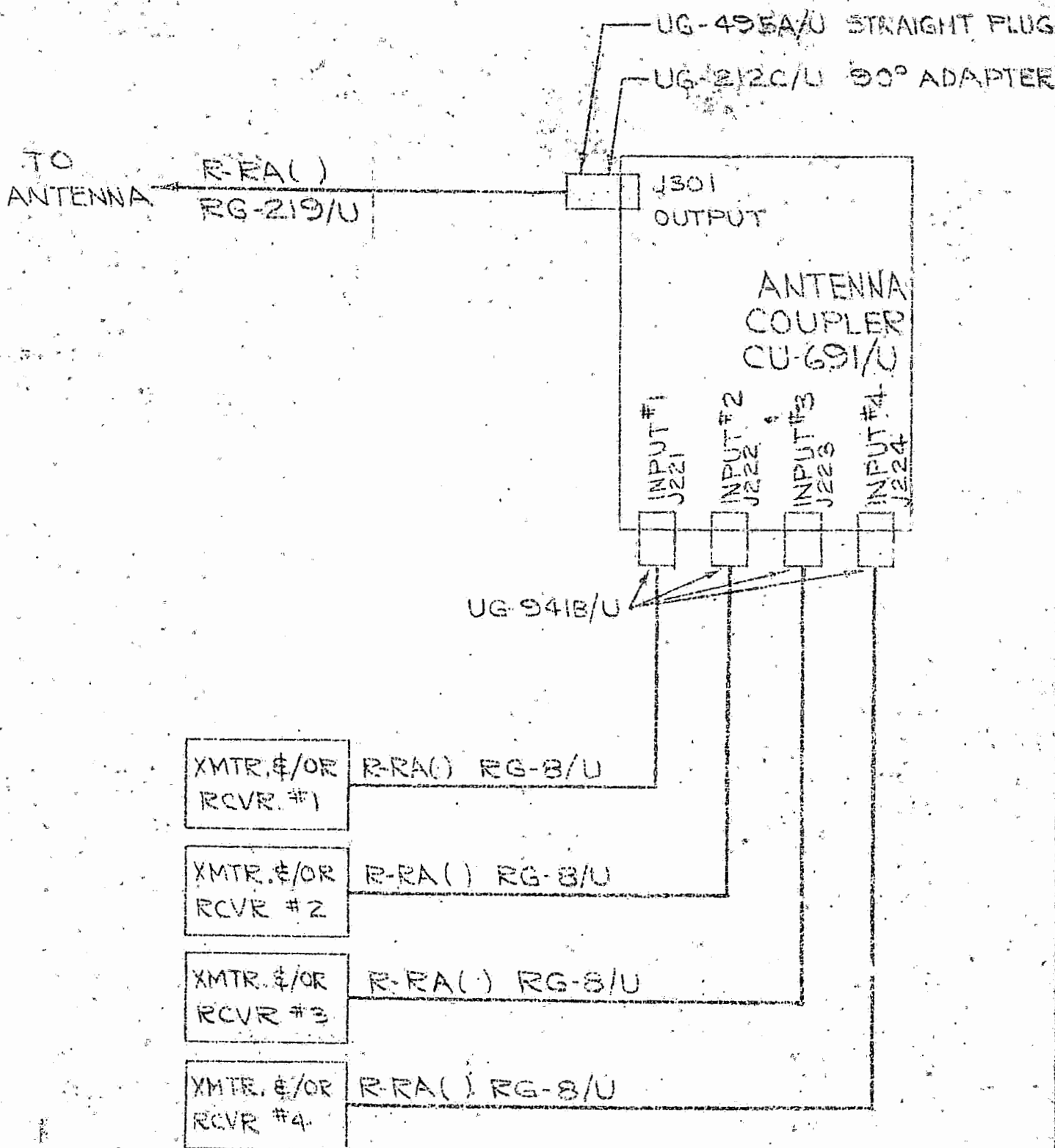
BUSHIPS DRAWING NO.			REV.
STD	404	SK-1664336	R
PLAN	S6700		
SHEET 48			



AN/WRT-1 XMITR.

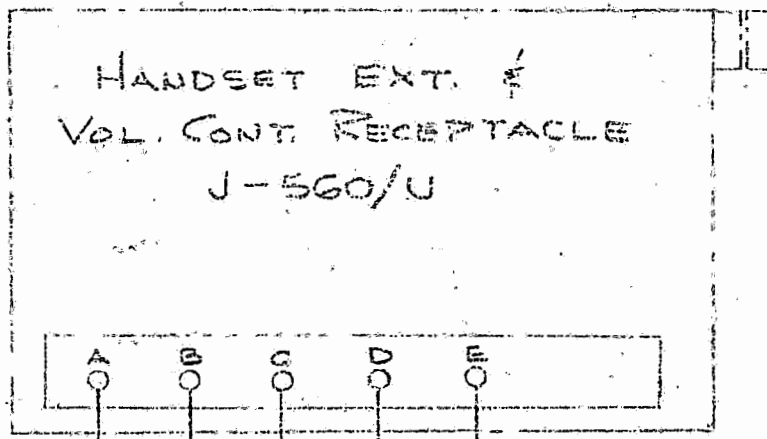
CONT'D ON SH. 27

BUSHIPS DRAWING NO.			REV.
STD.	404	SK1664336	R
PLAN	S6700		
SHEET 43			

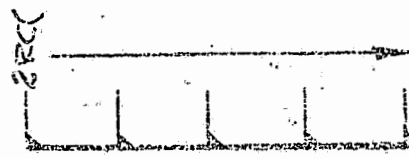


PLUGS NOT SUPPLIED.
 H.D.: 60W/CHAN. AT
 200W INPUT
 RE 50H 2052
 WEIGHT 90 LBS

BUSHIPS DRAWING NO.			REV.
STD PLAN	404 S6700	SK-1664336	R
SHEET 50			



A
B
C
D
E

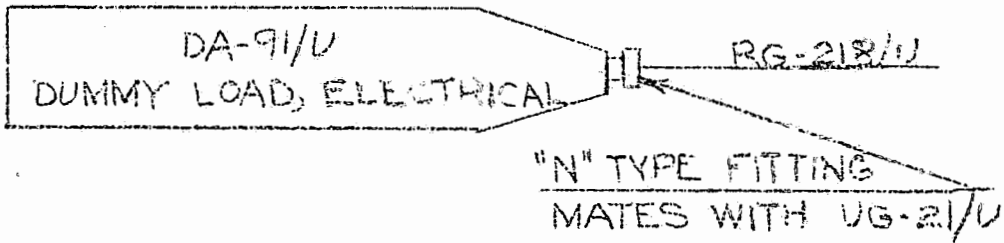


TO R.P.U OR NT. 24502
SEL. SWITCH

1E-RC1)
TTN/A-5 OR
MSCA-7

RE 49F 2011

BUSHIPS DRAWING NO.			REV.
STD	404	SK-1664336	R
PLAN	S6700		
SHEET 51			

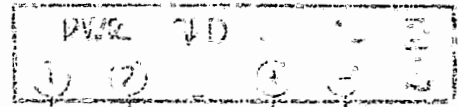


DA-91/U
WEIGHT 16 LBS
RE 10D 2279/A OUTLINE & MTG.
POWER RATING 600W CONT. DUTY

BUSHIPS DRAWING NO.		REV
STD PLAN	404 55700	SK-1664353 R
SHEET NO.		52

TT-176WG
TTY

E R V C 15VDC SUPPLY FROM IWT LOOP

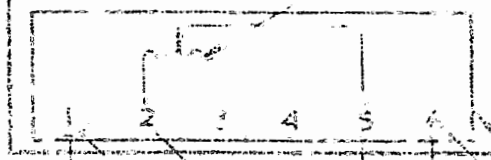


SEE SHEET FOR SPLIT WIRE

TTLSA 2 TO C114 W TTY ILL

TCOP-2 15V/30 CPS/10/15W

TT-176WG
TTY



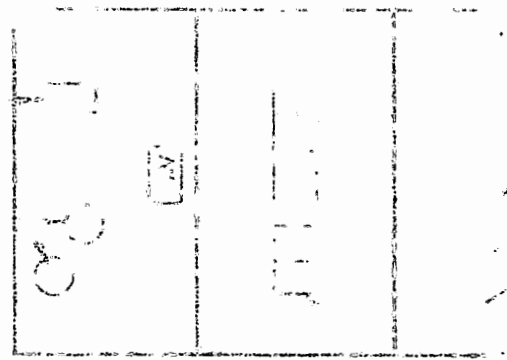
2.5 WATT REE
15V/30 CPS/10/15W

15V A

W 2/17/51
15V/30 CPS/10/15W

RECEP

PWR FUSE



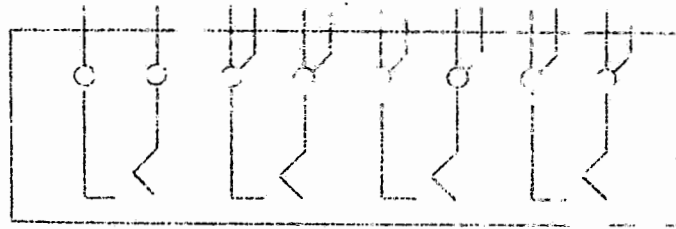
W 2/17/51

LEAD FROM 176
E STOCK # 915940-156-2530

FOR KEYED STEPPING OF TT-176/15, MODIFY IN ACCORDANCE WITH DETAILS SHOWN HEREIN

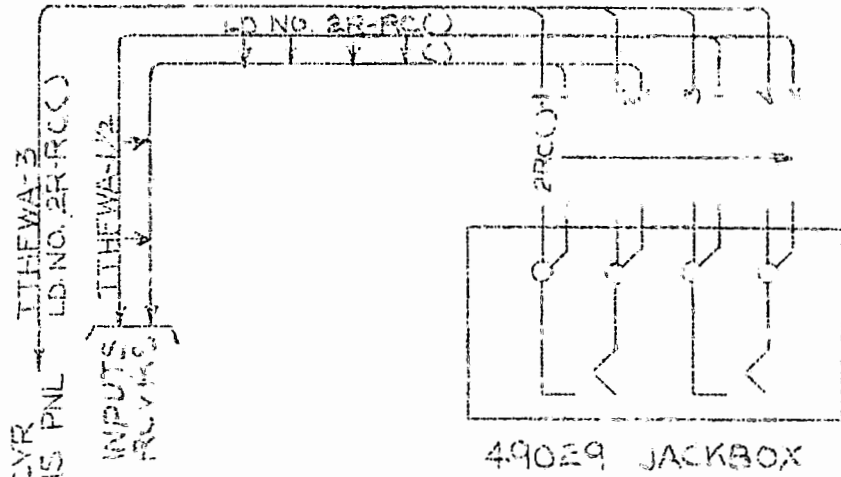
BUSHIPS DRAWING NUMBER		REV
STD	404	R
PLAU	58700	
SHEET 33		

OMIT THESE WIRING
IF THE WA-3 IS USED



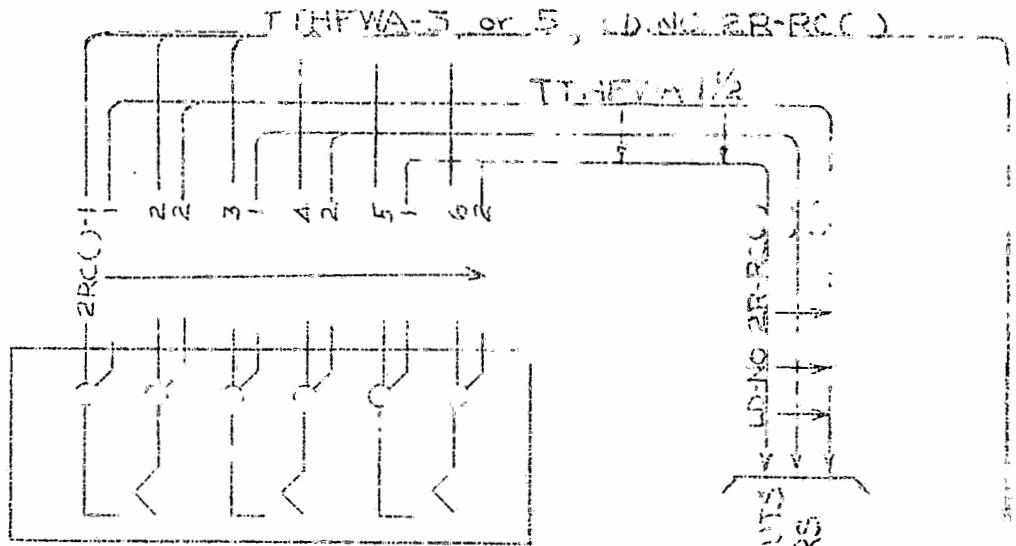
J-939/U JACKBOX

THE WA-1/2, 2R-RCC



49029 JACKBOX

AUDIO INPUT FROM RCVR



49029 JACKBOX MODIFIED

AUDIO INPUTS FROM RCVR

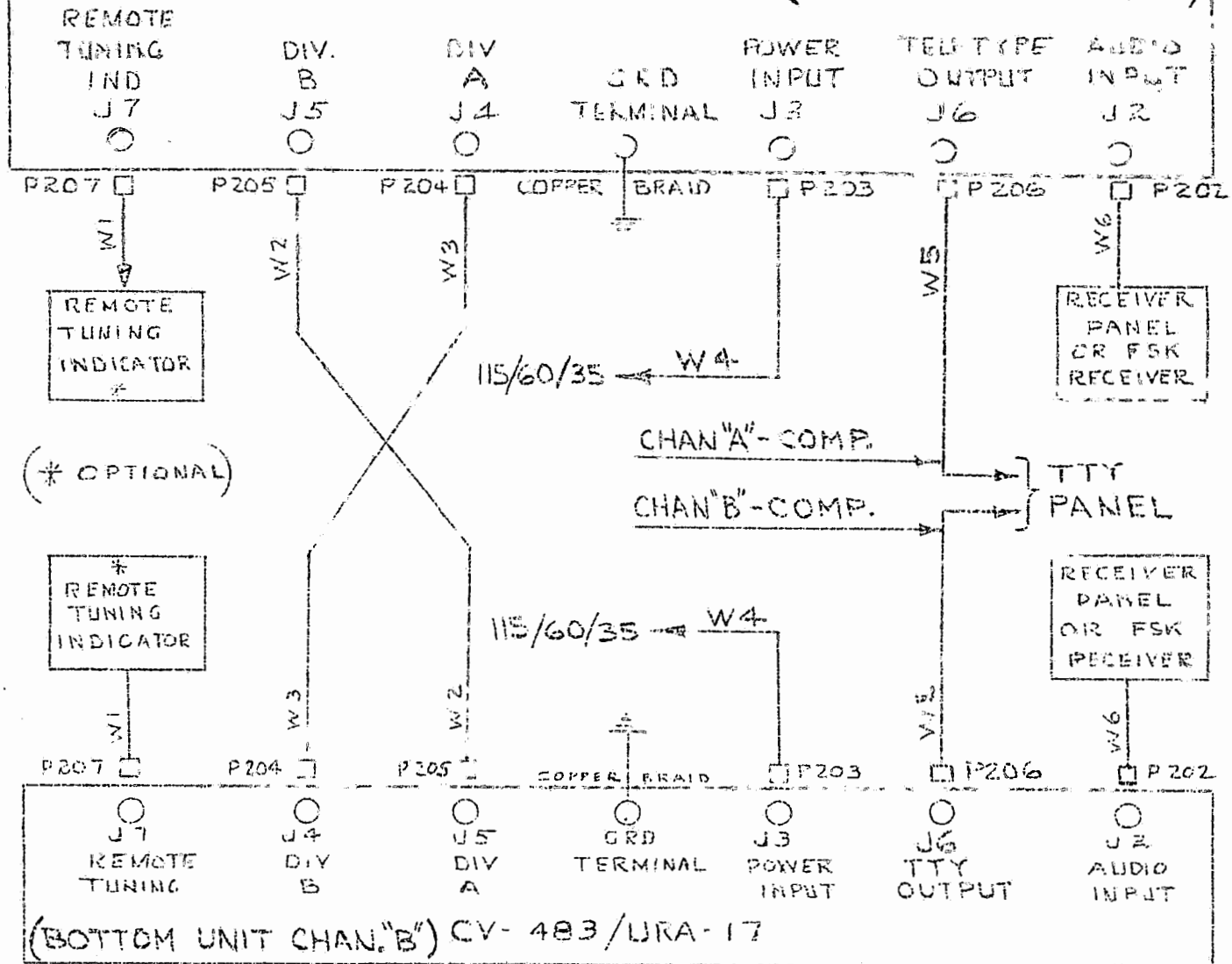
TO RCVR TRANS PNL

TO RCVR TRANS PNL

THE WA-3 or 5, LD NO. 2R-RCC

BUSSHIPS DRAWING NO			REV
STD	404	SK 1004336	D
SLASH	58700		
SHEET NO 54			

CV-483/URA-17 (TOP UNIT CHAN. "A")

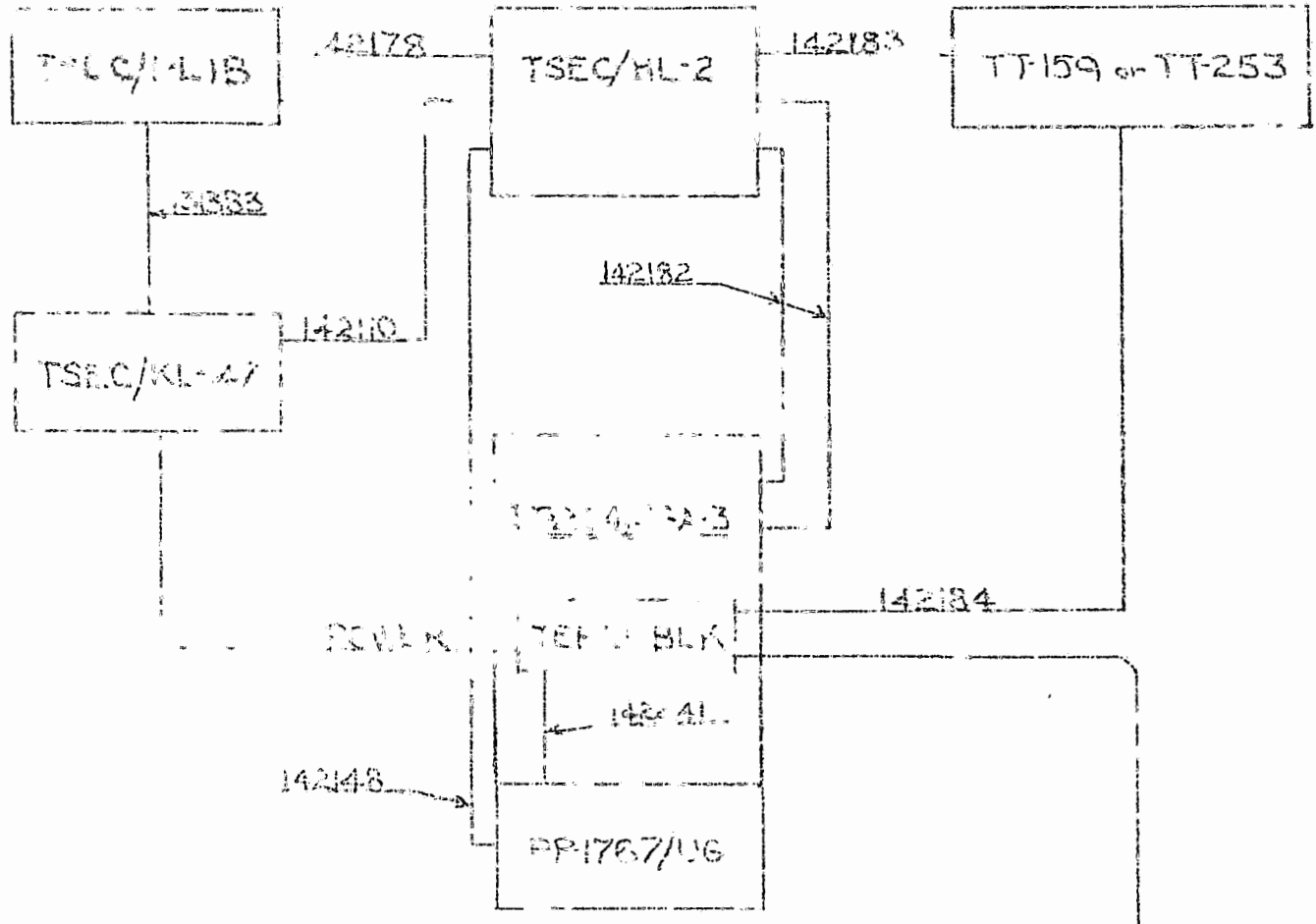


AN/URA 17 COMPARATOR - CONVERTER GROUP

WEIGHT --- .54 LBS
 H D --- 70 WATTS

SYMBOL	TYPE	
P 202	MS 3106A-149-7P	FURNISHED
P 203	MS 3106A-140-7P	
P 204	UG-88D/U	
P 205	UG-88D/U	
P 206	MS 3106A-140-9S	
P 207	UG-88D/U	
W1	RG-58A/U	REQD ONLY FOR REMOTE TUNING
W2	RG-58A/U	" " " " DUAL-RCVR OPERATION
W3	RG-58A/U	" " " " " " " "
W4	MCOB-2	" MARKING: PIN A & B
W5 (3R-RCC)	TTFEWA-1/2	" " : PIN A(+), B(-GND)
W6 (2R-RCC)	TTFEWA-1/2	" " : PIN A, B

BUSHIPS DRAWING NO.	REV.
STD PLAN 404 SK1664336	
SHEET NO. 55	



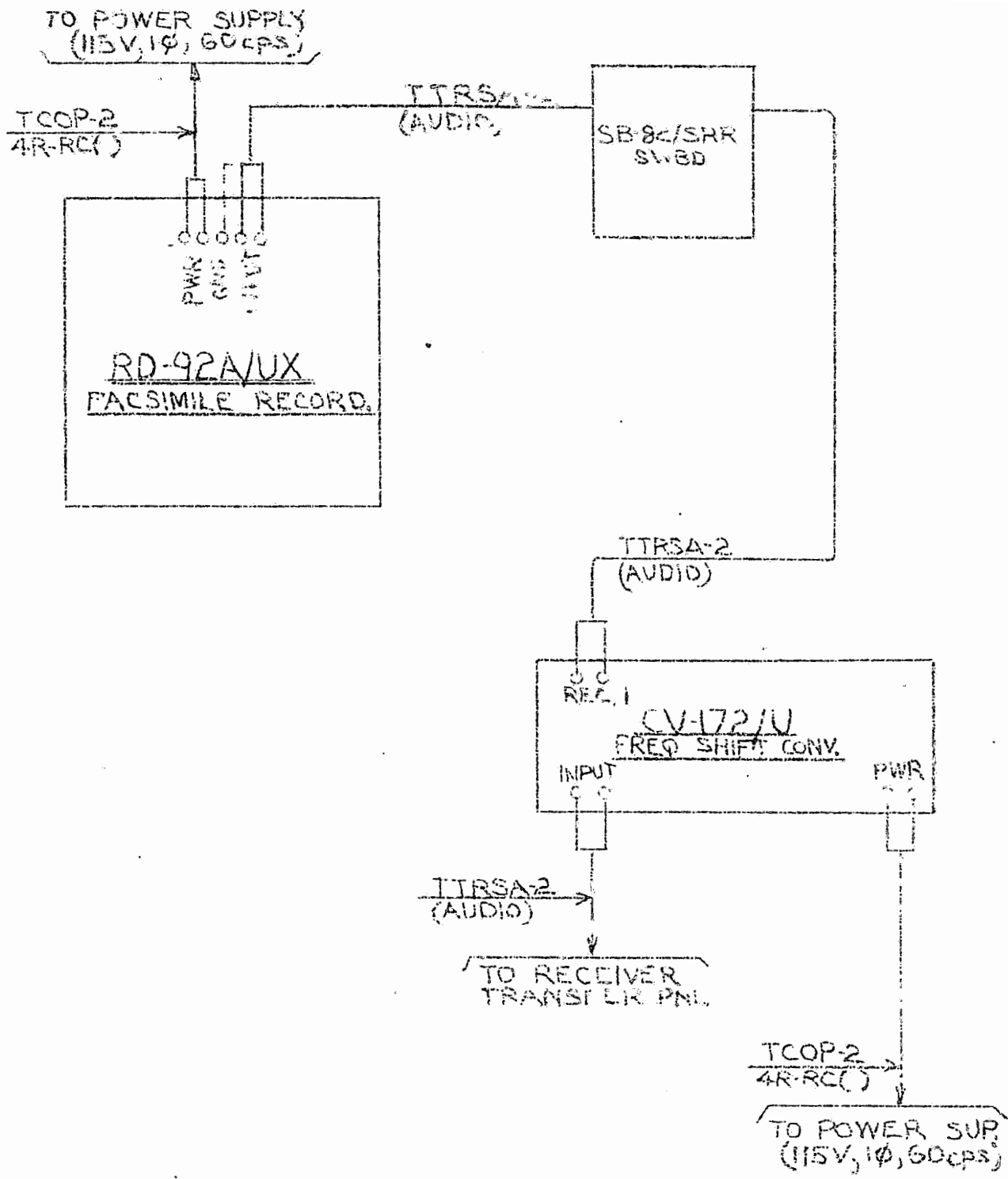
CONNECTIONS TO BE MADE BY CRF(X-6)

AIN/3-3A
TELETYPEWRITER CODE GROUP

TO SHIP POWER
115V, 60cps
STARTING CURRENT
30 AMPS. RUNNING
CURRENT 14.35 A
PW - 1150 WATTS

REF. DWG
RE 575 2138/P A/3GA-3 TELETYPEWRITER CODE

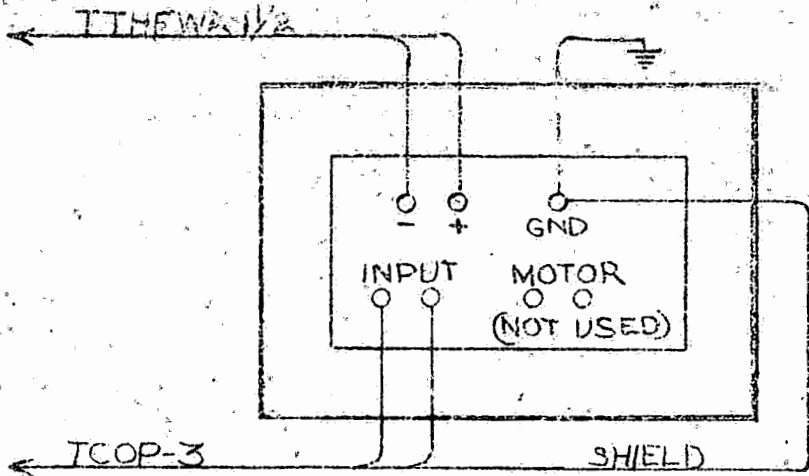
REVISION	DRAWING NO.	REV.
1	SK1061356	R
2	107-552	



RD-92A/UX
 H.D. 150 WATTS
 WEIGHT 71 LBS
 CV-172/U
 H.D. 30 WA' IS
 WEIGHT 75 LBS
 RE 67D 2012C

BUSHIPS DRAWING NO.			REV.
STD	1404	SK1664336	R
PLAN	158700		
SHEET NO 57			

TO TT-23(1)/SG
 TELETYPE PANEL
 SEE NOTE NO. 2



TO 115V, 1Ø, 60 cps,
 POWER SOURCE

POWER SUPPLY
 PP-424/U (REC. 29)

NOTES:

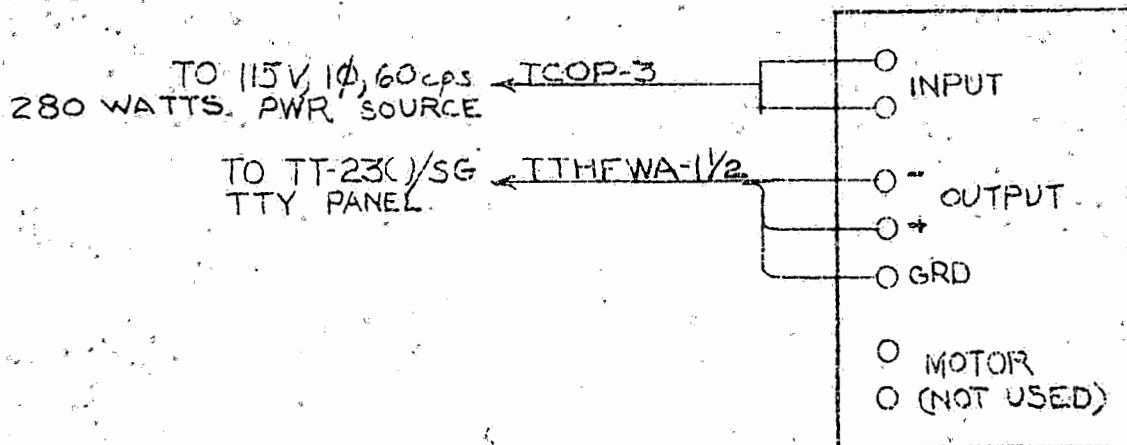
1. REMOVE CABLES SUPPLIED AND CONNECT NEW CABLES AS SHOWN TO TERMINAL BOARD THRU CABLE CLAMP IN UNIT.
2. SUPPLIES ONLY THREE (60 MA) LOOPS OR TELETYPEWRITERS. IF TT-23(1)/SG IS NOT SUPPLIED, A 2500 OHM (25W) ADJUSTABLE RESISTOR IS REQUIRED TO EACH TELETYPEWRITER.
3. POWER REQUIREMENTS
 95 TO 125 OR 190 TO 250 VOLTS
 25 TO 60 cps, SINGLE PHASE
 120 WATTS (APPROXIMATELY)
4. OUTPUT CHARACTERISTICS
 200 MA AT 120 V. 3-Ø

HD=100 WATTS

WEIGHT-46 LBS

RE 20D 2004A OUTLINE, MOUNTING & DIMENSIONS

BUSHIPS DRAWING NO.			REV.
STD PLAN	404 S6700	SK-166433G	R
SHEET NO. 58			



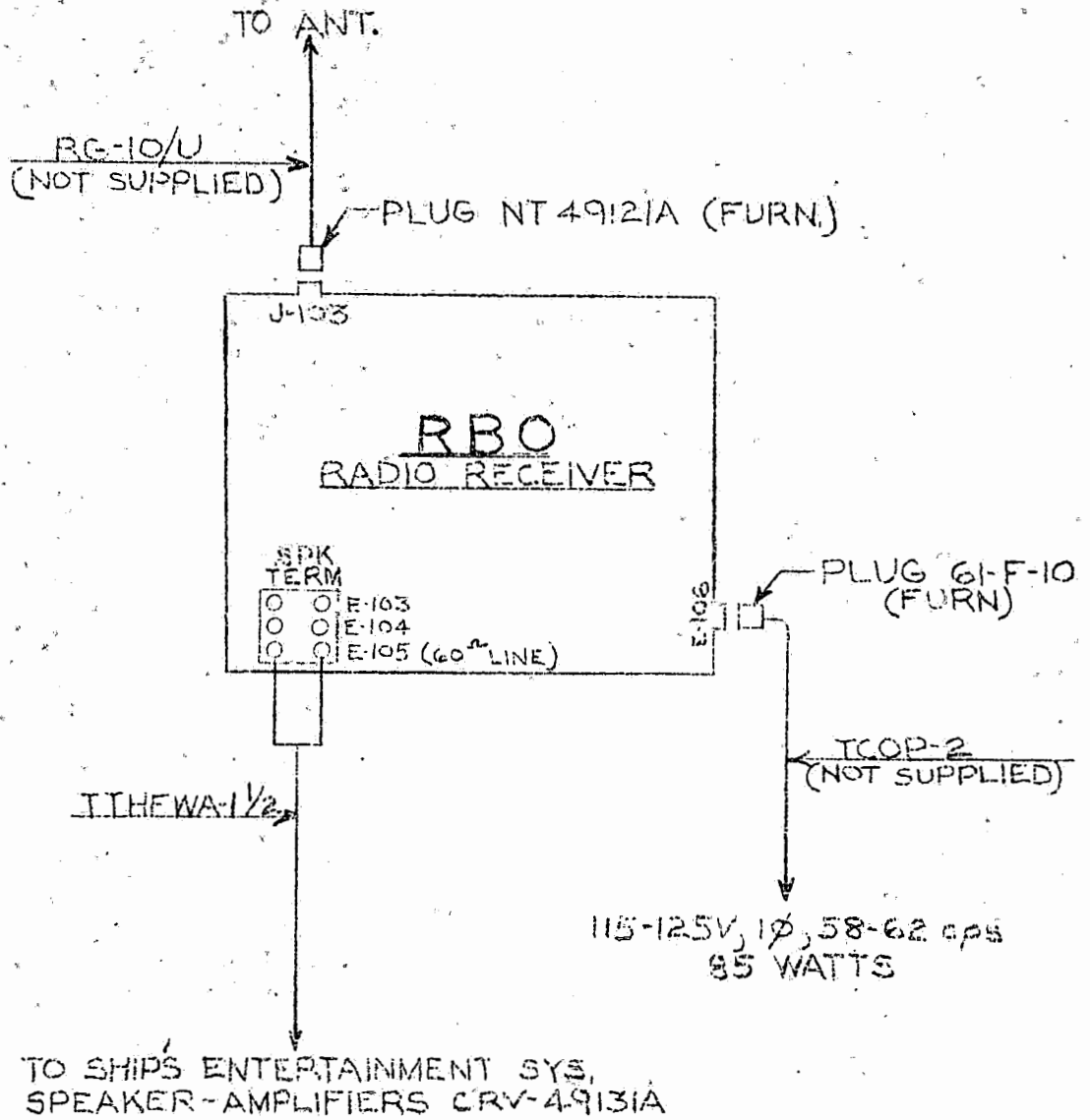
POWER SUPPLY
PP-315/GGA-1 (REC-30)

NOTES

1. REMOVE CABLES SUPPLIED AND CONNECT NEW CABLES TO TERMINAL BOARD THRU CABLE CLAMP IN UNIT.
2. POWER REQUIREMENTS
95, 105, 115, 125, 190, 210, 230, OR 250 VOLTS
25, 40, 50, OR 60 cps, SINGLE PHASE.
3. OUTPUT CHARACTERISTICS
0.9 AMPERES AT 120 VOLTS d.c. (NO LOAD VOLTAGE NOT TO EXCEED 130 VOLTS.)

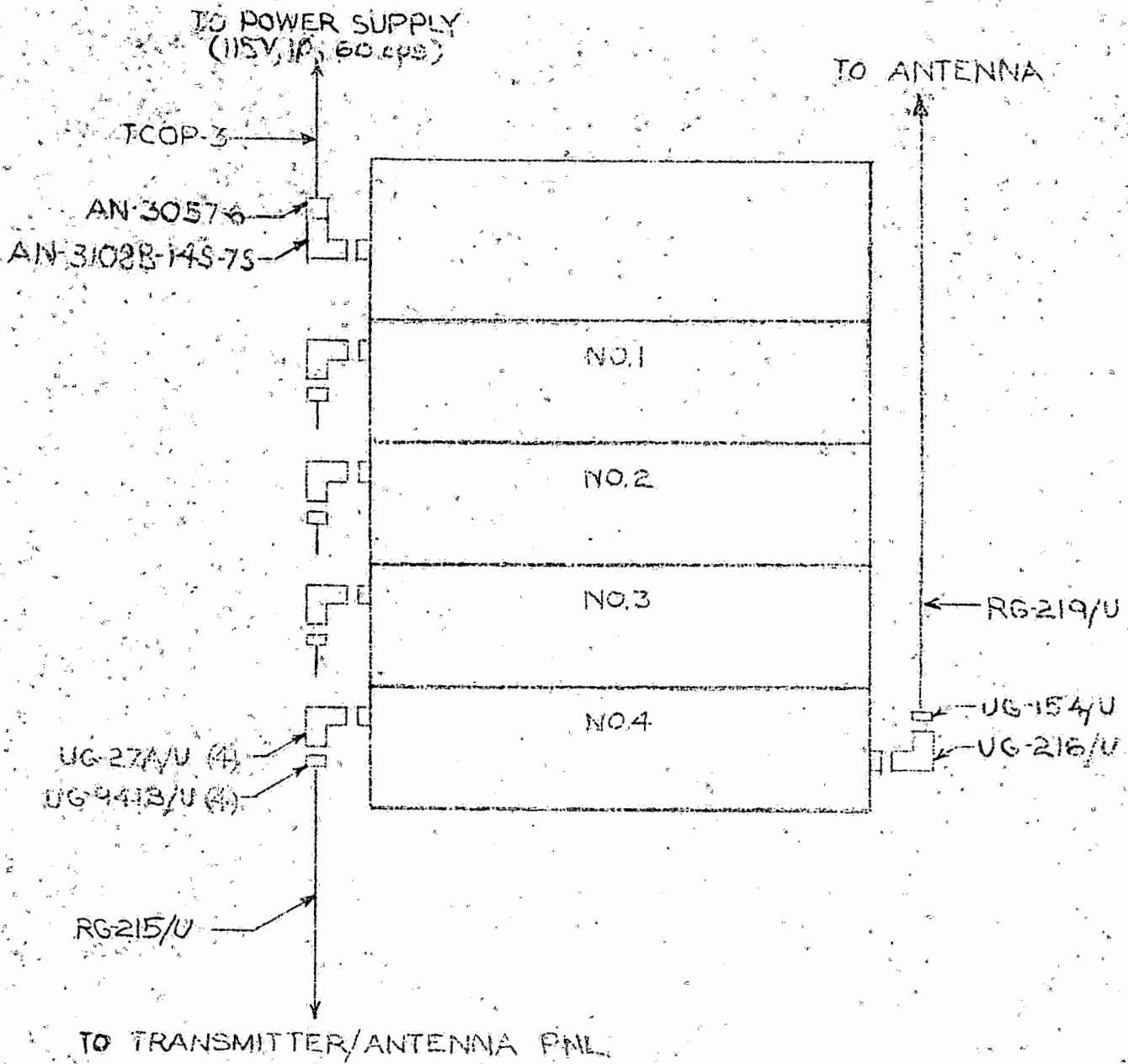
RE 10F 2114
WEIGHT- 110 LBS
DIMENSIONS: H-11", W-8", L-25"
HD 200 WATTS.

BUSHIPS DRAWING NO.			REV.
STD	404	SK-1664336	R
PLAN	S6700		
SHEET NO. 59			



RE 46A 169 OUTLINE
WEIGHT-103 LBS
H.D. 80 WATTS

BUSHIPS DRAWING NO.			REV.
STD PLAN	404 56700	SK-1664336	D
SHEET NO. 60			



AN/SRA-13, 14, 15 ANT COUPLER GROUPS

EACH COUPLER GROUP CONSIST OF FOUR (4) IDENTICAL COUPLERS. THE ESSENTIAL DIFFERENCE BETWEEN COUPLER GROUPS IS THEIR FREQUENCY RANGE.

AN/SRA-13 — 2-6 MC

AN/SRA-14 — 4-12 MC

AN/SRA-15 — 6-18 MC

H.D. 800 WATTS

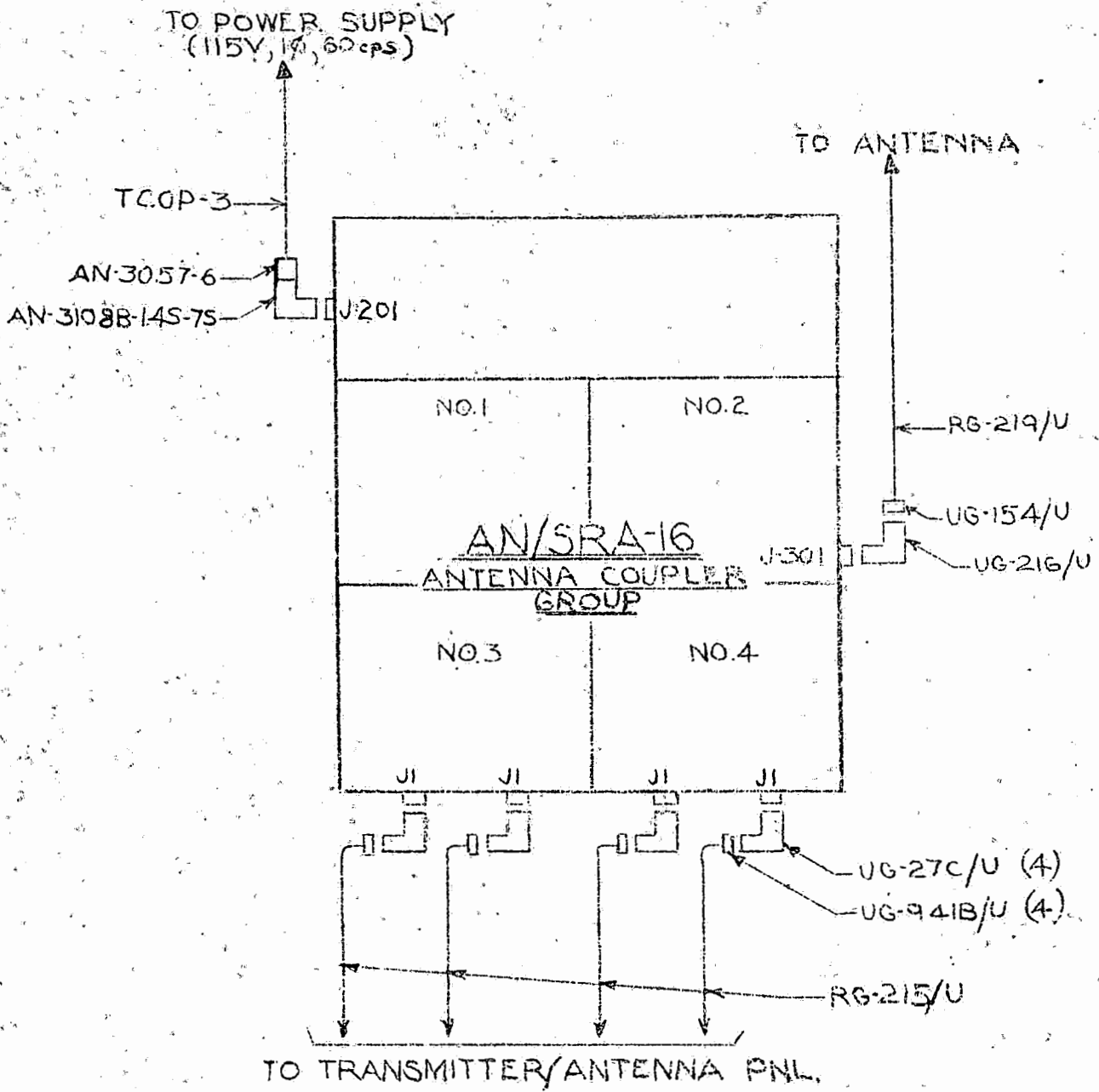
DEMENSIONS: H-46 $\frac{3}{4}$, W-26 $\frac{1}{4}$, L-20 $\frac{1}{2}$

WEIGHT 177 LBS

RE 50F 2050A-OUTLINE & MFG

RE 50F 2051A-PICTORIAL

BUSHNETS DRAWING NO.			REV
STD PLAN	404 S6700	SK1664336	B
SHEET NO. 61			



EACH COUPLER OPERATES OVER A FREQUENCY RANGE OF FROM 9 MC TO 26 MC, IN THREE (3) STEPS; 9-12 MC, 12-18 MC OR 18-26 MC UNDER CONTROL OF A BAND SELECTOR SWITCH.

H.D. 800 WATTS

DIMENSIONS: H-39³/₄, W-29¹/₄, L-25¹/₈

WEIGHT 320 LBS

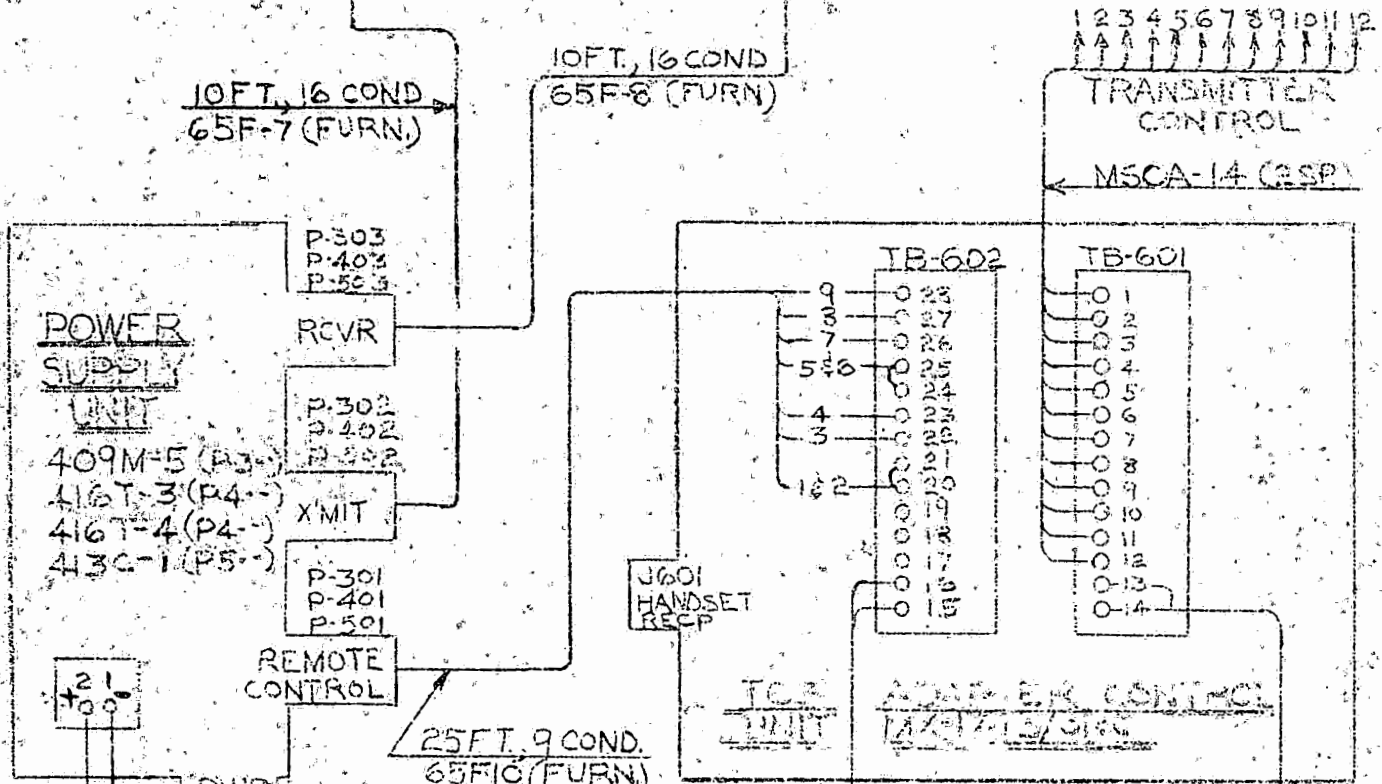
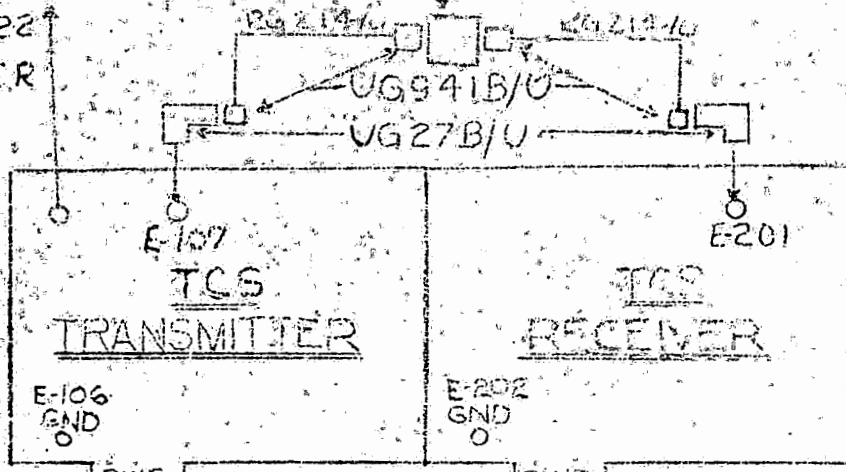
RE 50F 2048A-OUTLINE & MTG.

RE 50F 2049A-WIRING

BUSHIPS DRAWING NO.		REV.
STD. PLAN	404 SG700	SK-1664336
SHEET NO. 62		

TO ANT. LOADING COIL
OR AN/SRA-22
ANT. COUPLER
GROUP

LOW-PASS FILTER TYPE LP-101C



DSGA-9
USE ON
12, 24, 32,
115, 230
VOLTS D.C.
& 115V, 220V
SOURCE

DSGA-3
USE ONLY ON
115V, 10, 60 cps
SOURCE

2-ohm PWR IN.
115V, 10, 60 cps
34 AMPs

600-ohm
AUDIO IN.

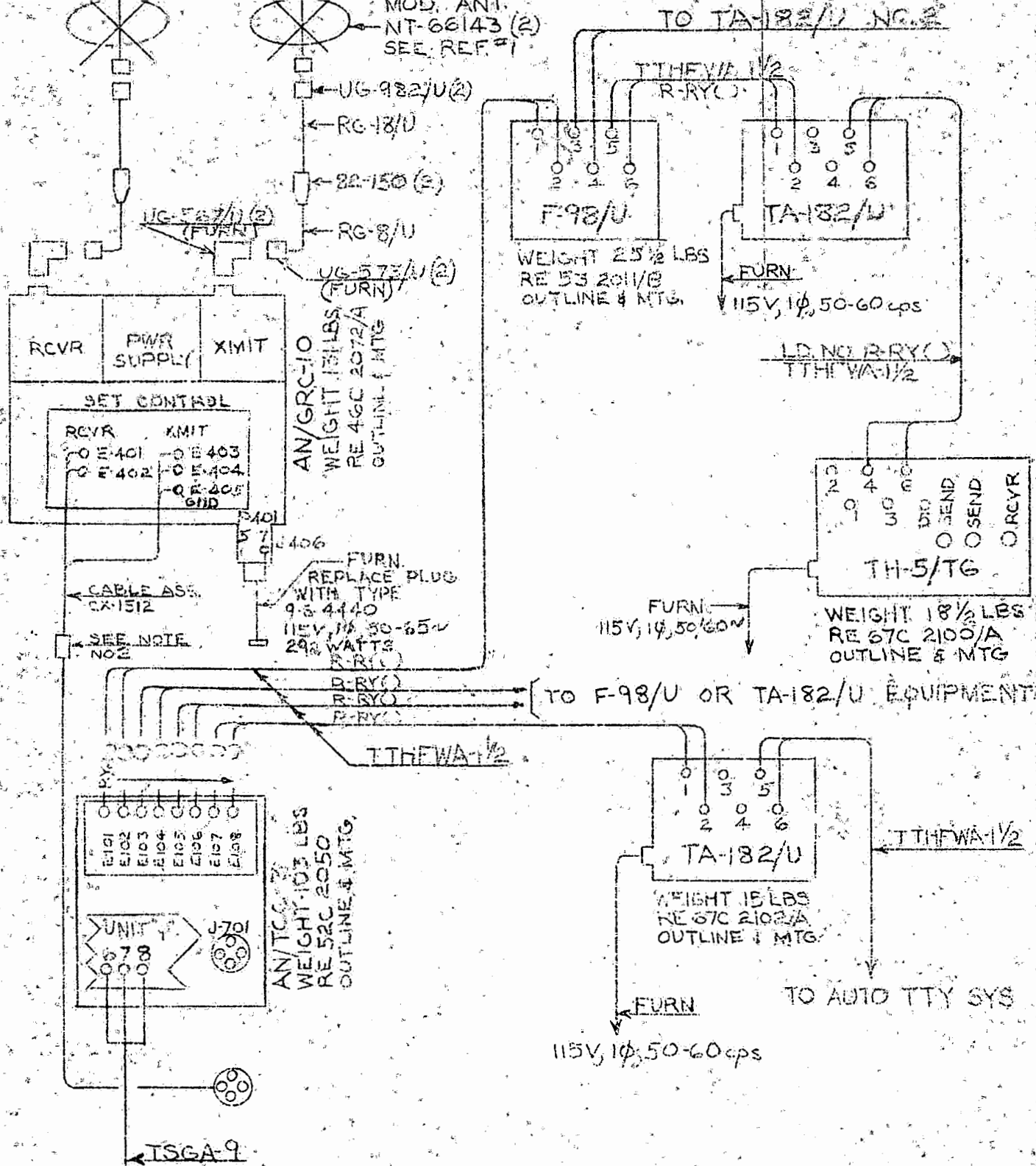
POWER CONSUMPTION

WEIGHT

- MX-1743/SRA-14 1/4 LBS
- TCS (RCVR-TRANS)-30 LBS
- 409M-5-28 LBS
- 416T-3 or 416T-4-28 1/2 LBS
- 413C-1-11 LBS

TCS WITH ADAPTOR CONTROL MX-1743/SRA

BUSHIPS DRAWING NO.		REV
STB	404	
PLAN	56700	SK-664336 R
SHEET NO. 63		



MOD. ANTI-
NT-66143 (2)
SEE REF #1

TO TA-182/U NR. 2

AN/GRC-10
WEIGHT 13 1/2 LBS
RE 46C 2072/A
OUTLINE & MFG

F-98/U
WEIGHT 25 1/2 LBS
RE 53 2011/B
OUTLINE & MFG.

LD. NO. (R-RYC)
TTHFWA-1/2

TH-5/TG
WEIGHT 18 1/2 LBS
RE 67C 2100/A
OUTLINE & MFG

AN/TCC-3
WEIGHT 10 3/4 LBS
RE 52C 2050
OUTLINE & MFG.

TA-182/U
WEIGHT 15 LBS
RE 67C 2102/A
OUTLINE & MFG.

TO 220V, 3Ø, 50-60 cps, 4.5 KW
4.5KW (SEE NOTE 1)

REF.
STD. PL -56701-1583233 MODIF.
DETAILS FOR NT66143 ANTENNA

NOTES

1. CHECK PHASE RELATION FOR PROPER ROTATION OF AUTOTUNE MOTOR.
2. IF AN/TCC-3 AND THE SWITCHING DEVICE ARE SEPARATED BY MORE THAN (15) FT THE CX-1512/U CABLE ASS. IS TERMINATED IN A SUITABLE JUNCTION BOX AND TTHFWA-1/2 CABLE IS USED TO COMPLETE THE RUN.

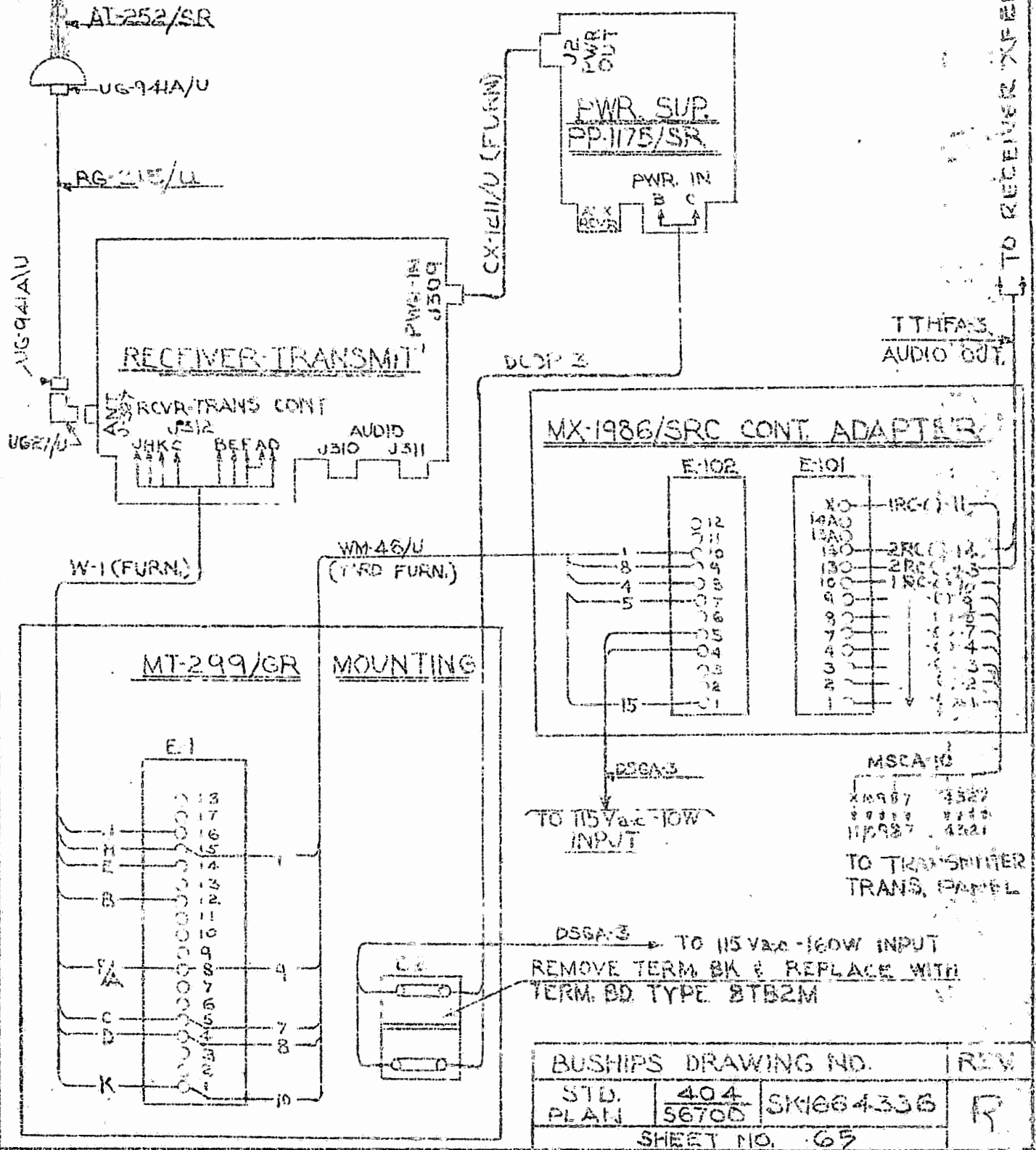
BUSHIPS DRAWING NO.		REV
STD. PLAN	404 56700	5K-1564336 13
SHEET NO. 64		

NOTES

1. RADIO SET	RCVR-TRANS	PWR. SUPPLY
AN/SRC-10Y	RT-66/GRC	PP-1175/SR (115V ac)
AN/SRC-11Y	RT-67/GRC	PP-1175/SR (115V ac)
AN/SRC-12Y	RT-68/GRC	PP-1175/SR (115V ac)

EQUIP.	ANT LENGTH
RT-66/GRC	CUT TO 125"
RT-67/GRC	CUT TO 39"
RT-68/GRC	CUT TO 58"

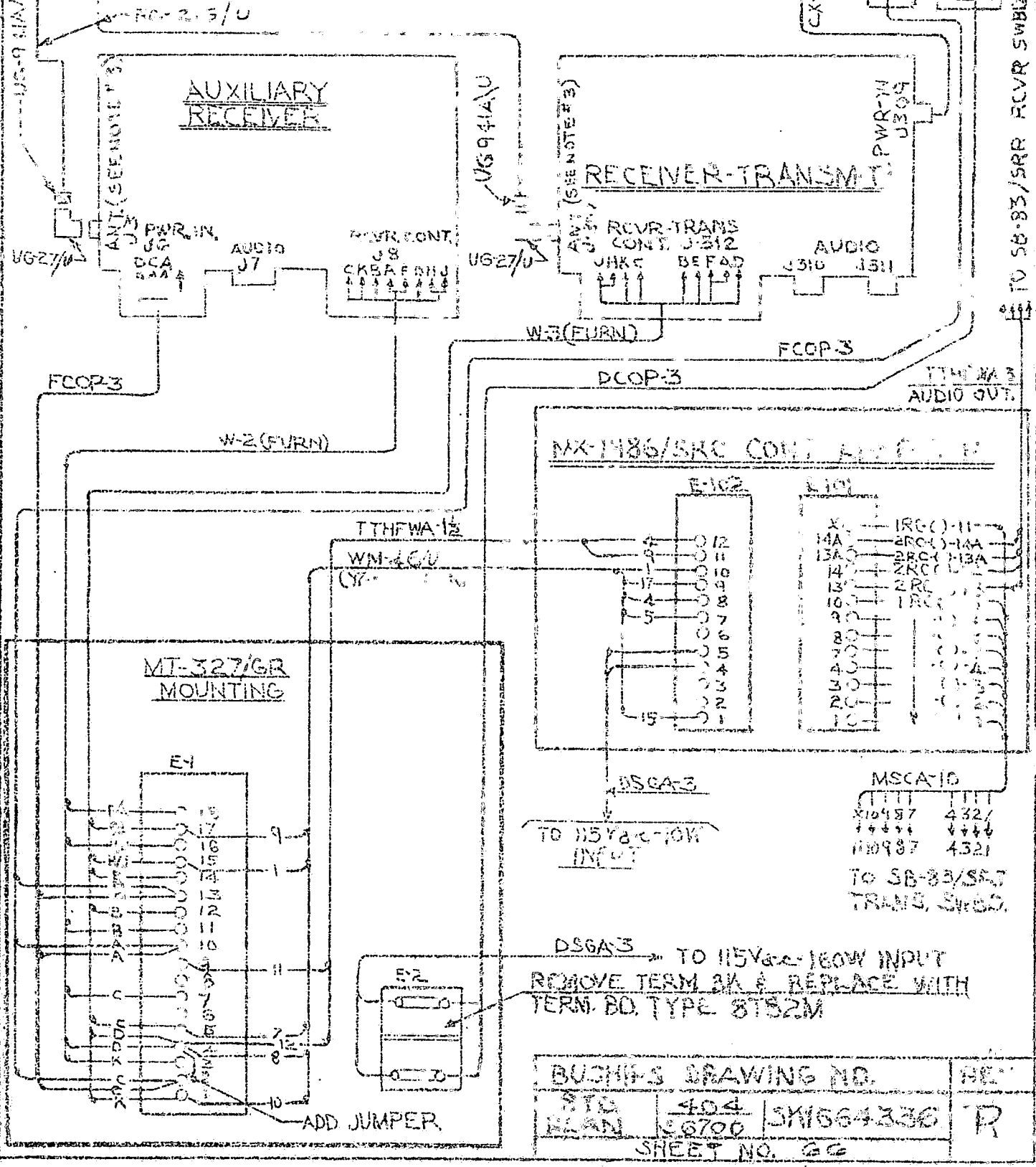
- ANTENNA RECEPTACLE J-307 IS MODIFIED IN FIELD CHANGE NO. 1-AN/SRC-10Y, 11Y, 12Y.
 - FIELD CHANGE 2 FOR AN/SRC-10Y, 11Y, 12Y MUST BE ACCOMPLISHED FOR ALL UNITS.
- NAVSHIPS 98762.



NOTES

1. REMOVE MT-327/GR FROM MOUNTING BOX. DISCONNECT THE RADIO RCVR CABLE W-2 LEAD CONNECT TO TERMINAL 14 AND TAPE ALSO REMOVE JUMPERS BETWEEN TERMINALS 8-17, 4-9-18. RECONNECT ANT. RE... ACCORDING TO FIELD CHANGE (1) (NAVSHIPS 98573A)
2. IN MOUNTING MT-327/GR CONNECTION BOX, DISCONNECT THE RADIO RCVR CABLE W-2 LEAD CONNECT TO TERMINAL 14 AND TAPE ALSO REMOVE JUMPERS BETWEEN TERMINALS 8-17, 4-9-18. RECONNECT ANT. RE... ACCORDING TO FIELD CHANGE (1) (NAVSHIPS 98573A)
4. ACCOMPLISH FIELD CHANGE (2) FOR INSTALLATION OF MX-1486/SRC (NAVSHIPS 98762)

RY66/GR	CUT TO 125
RT61/GR	CUT TO 85
RT68/GR	CUT TO 58



BUCHS DRAWING NO.		HE
REV	404	SH1664336
PLAN	26700	
SHEET NO. 66		R

TTY SET PLUG
(SUPPLIED)

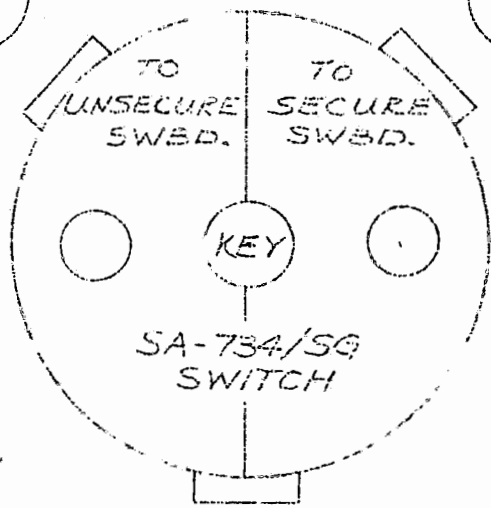
TO UNSecure TTY PLUG
VIA C-100.1A/55 (IF USED)

TO SECURE TTY PLUG

LD NO. 35-RC(2)

(FURN)

(FURN)



NOT TO BE USED

LD NO. 35-RC(2)
TO 4

LD-806/SG
LIGHT INDICATOR
TO BE INSTALLED
IN FULL VIEW OF
OPERATOR

0	0	0	0	0	0
1	2	3	4	5	6
0	0	0	0	0	0

TO TTY PLUG
(PAR SW. OUTPUT)

RE. 24D 2052A OUTLINE, MTS & CAPPING

BUSHIPS DRAWING NO.			REV.
STD	404	SK-1664336	R
PLAN	56700		
SHEET 67			

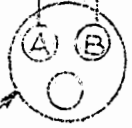
LD NO. 3R-RCC(), DSS-2

PLUG (SUPPLIED)

TO LOCAL SECURE
TTY PANEL

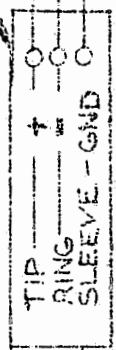
LD. NO. 3R-RCC()
TTRSA-2

3RCC)-2



(FURN)

WHT --- 3RCC)-2
BLK ---
SHIELD



TO REMOTE SECURE
TTY PANEL

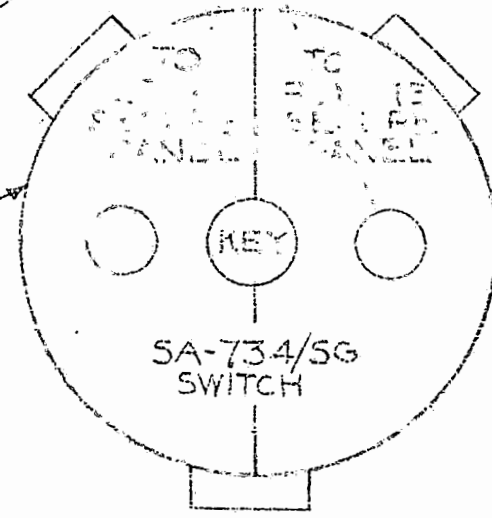
LD NO 3R-RCC()
TTRSA-2

3RCC)-2



(FURN)

PROVIDE NEW
SUITABLE NAMEPLATE



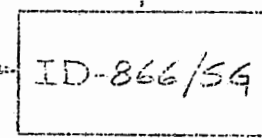
SA-734/5G
SWITCH



(FURN)

LD. NO 3R-RCC()
TCOP-2

SEE SH. 67
SK-1664336 D
FOR CONNS.



LD NO 3R-RCC()
TCOP-2

115VAC, 60N, 1φ
1/2 W.

RE 24D 2052/A OUTLINE, MTG, & CABLING

BUSHIPS DRAWING NO.			REV
STD PLAN	404 S6700	SK-1664336	1
SHEET NO. 68			

LD. NO. 3R-RCC(), DSS-2

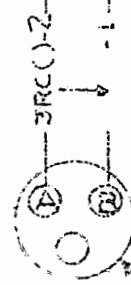
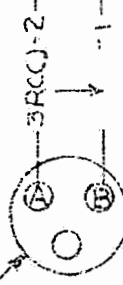
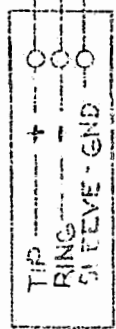
WHT
BLK
SHIELD

TO UNSECURE TTY PNI

TO SECURE TTY PNI

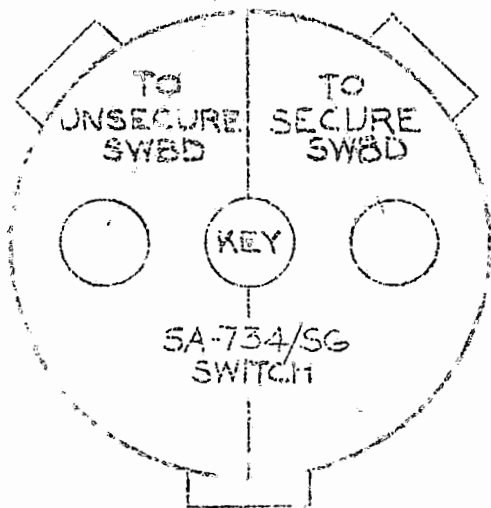
LD. NO. 3R-RCC()
TTRSA-2

LD. NO. 3R-RCC()
TTRSA-2



(FURN)

(FURN)

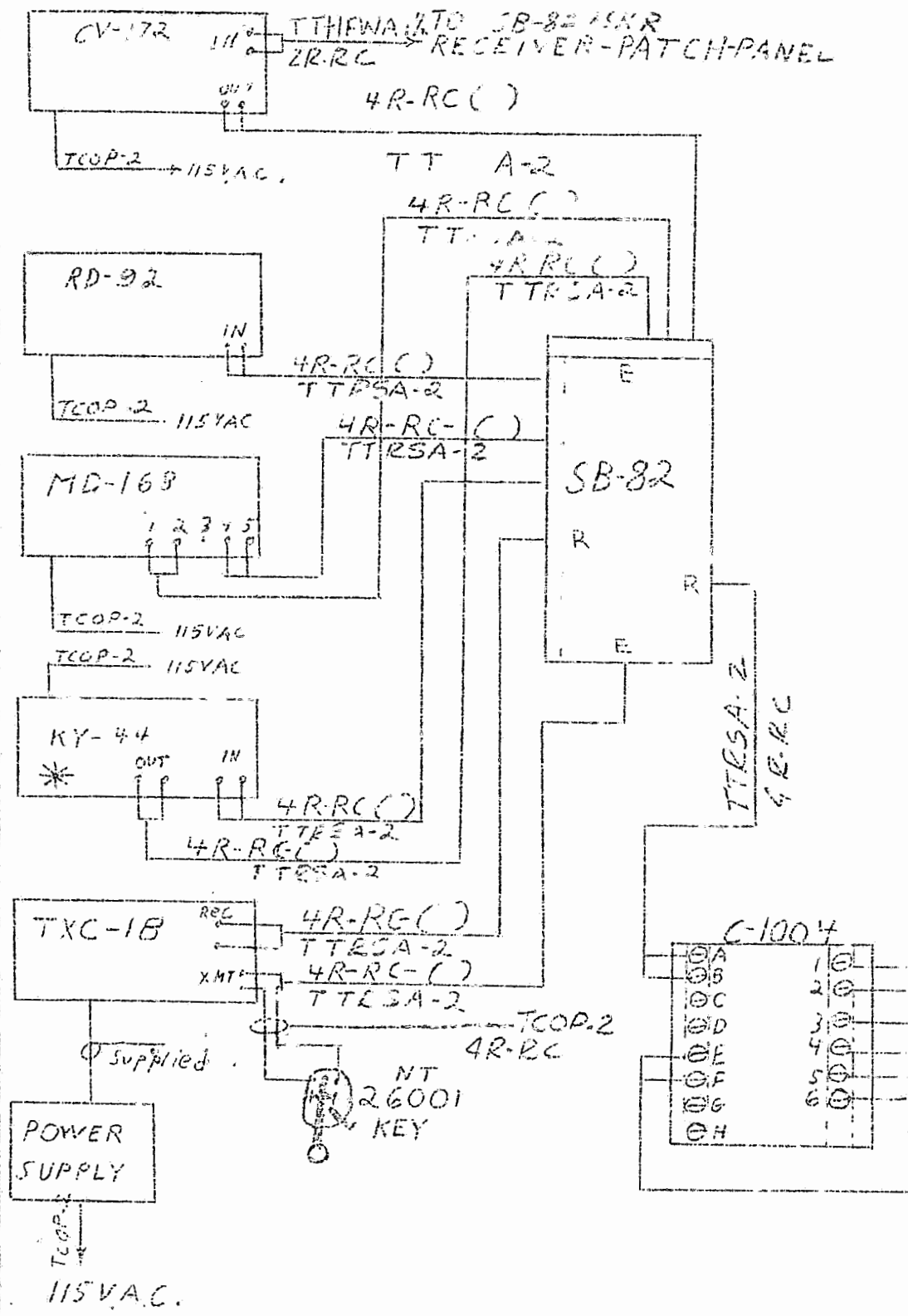


NOT USED

RE 24D 2052/A OUTLINE, MTG, CABLE.

BUSHIPS DRAWING NO.		REV.
STD PLAN	404 56700	SK-1664336 R
SHEET NO. 65		

* WHEN WRT-1 WRT-2 & URK-52 XMTR ARE INSTALLED THE KY 44 CAN BE OMITTED.

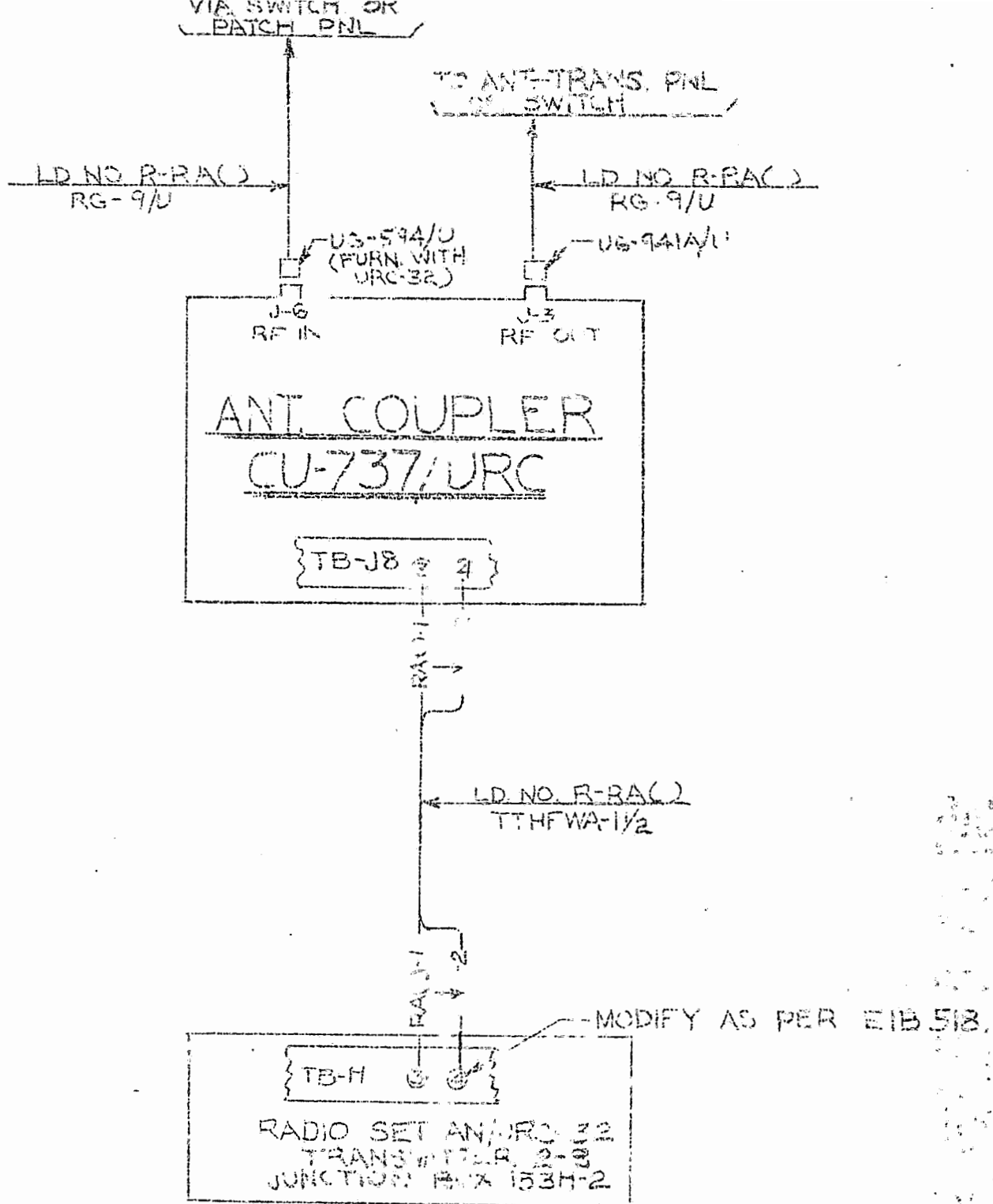


HOOK UP INFO

C-1004	TO	SB 863
1	→	1
2	→	2
3	→	3
4	→	4
5	→	5
6	→	6
E	→	9
F	→	10

MSCA-10 →
 IR RC TO
 SB-363
 XMTR XFER.
 PANEL

BUSHIPS DRAWING No			REV.
STD	404	SK1664336	R
PLAN	56700		
SHEET 70			

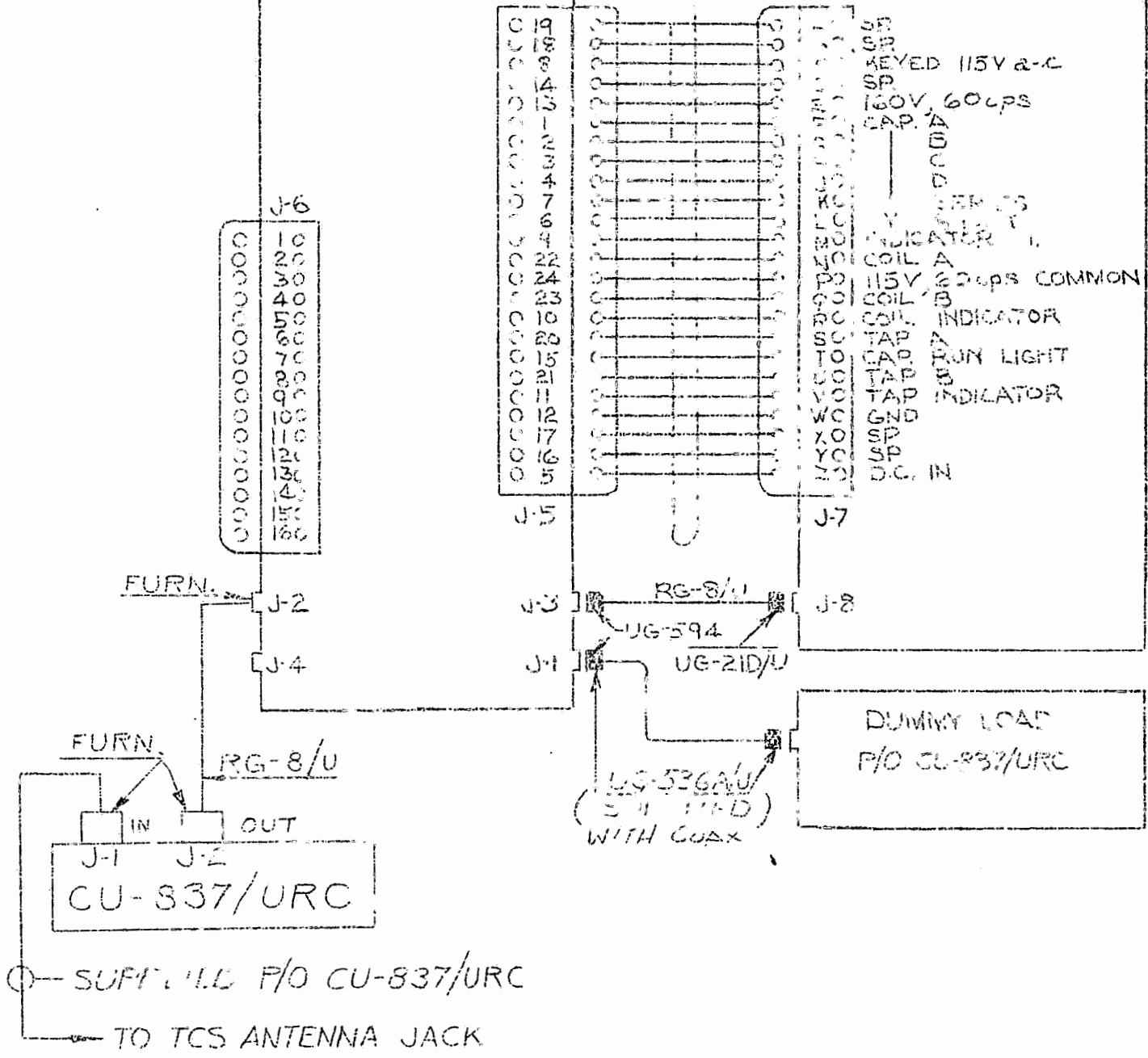


CU-737/URC
RE 50D 2045 OUTLINE

EJSHIPS DRAWING NO UREV			
STD PLAN	404 56700	SK-1664336	P
SHEET NO. 71			

COUPLER CONTROL
C-2698/SRA #2

ANT. COUPLER
CU-714/SPA-22

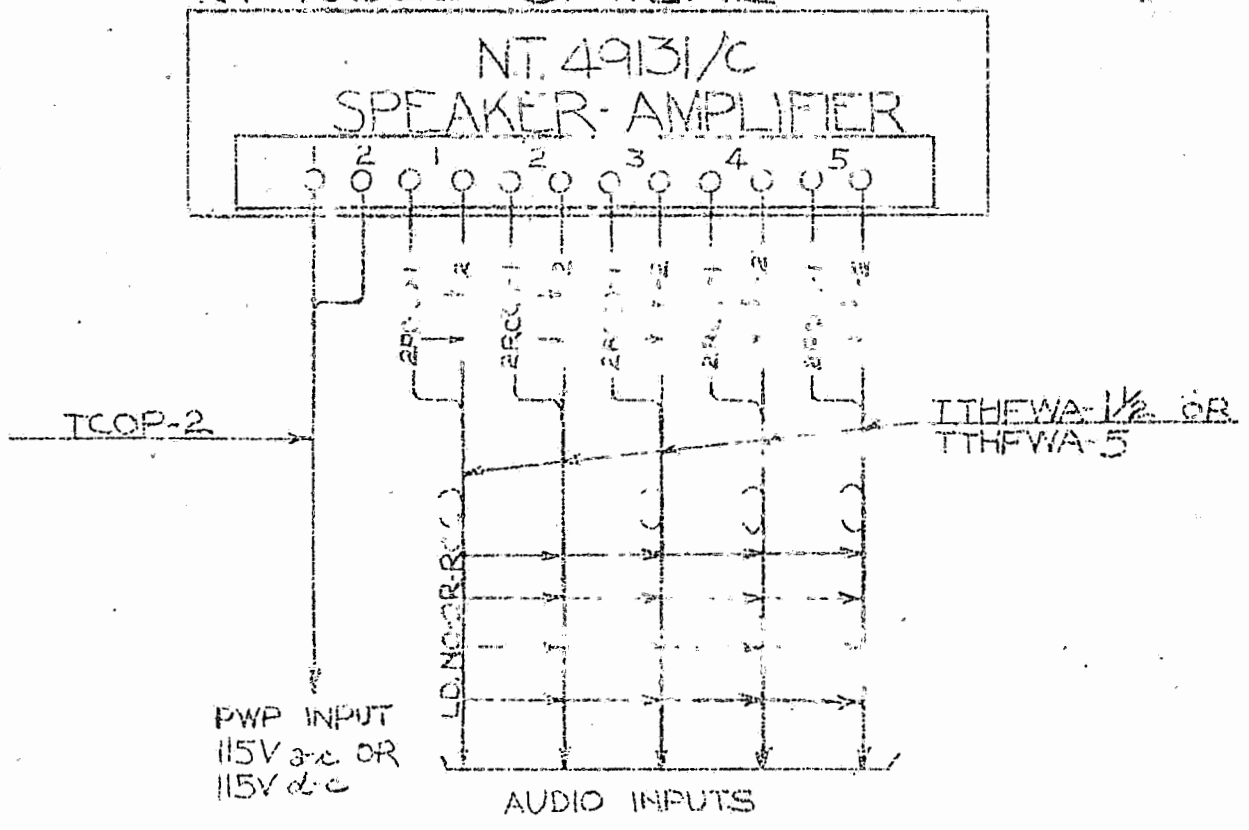


AN/SPA-22 WITH CU-837/URC (1 OF TCS)
ANTENNA COUPLER GROUP

HD. 270 WATTS MAX. (CONTINUOUS OPERATION)
WT. 59 LBS.
POWER REQUIREMENTS:
115/230 ± 10%, 1φ, 47-63 C.P.S.,
35 WATTS, 95% P.F.

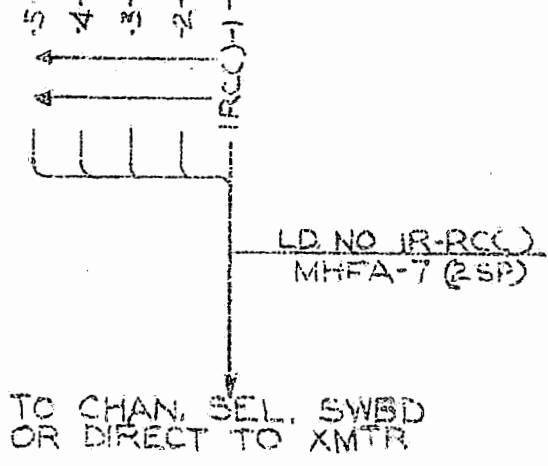
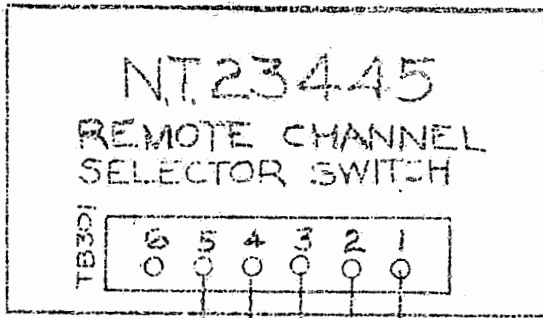
BUSHIPS DRAWING NO.			REV.
STD. PLAN	404-36700	SK1664336	R
SHEET NO. 72			

NT 49545 SIMILAR
 NT 49620 SIMILAR



RE 50F 2010 INTERCONNECTION (NT 49131/C)
 HD. 40 WATTS
 WEIGHT 29 LBS.

BUSHIPS. DRAWING NO.			REV.
STD	404	SK-1664335	R
PLAN	S6700		
SHEET NO. 73			



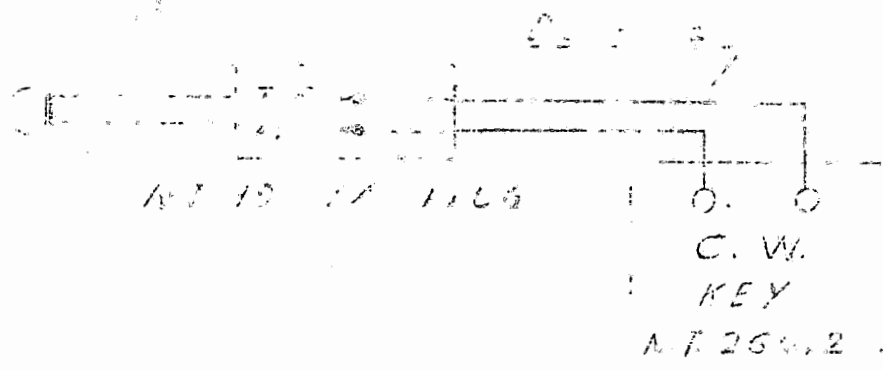
RE 46F 2037/A JHF RCYRS BASIC COMNI. SYS.
 HD NONE
 WEIGHT 6 1/4 LBS

BUSHIPS DRAWING NO.		REV
STD PLAN	404 56700	SK1664336
SHEET NO. 74		



KEY JACK

RADIO KEY UNIT



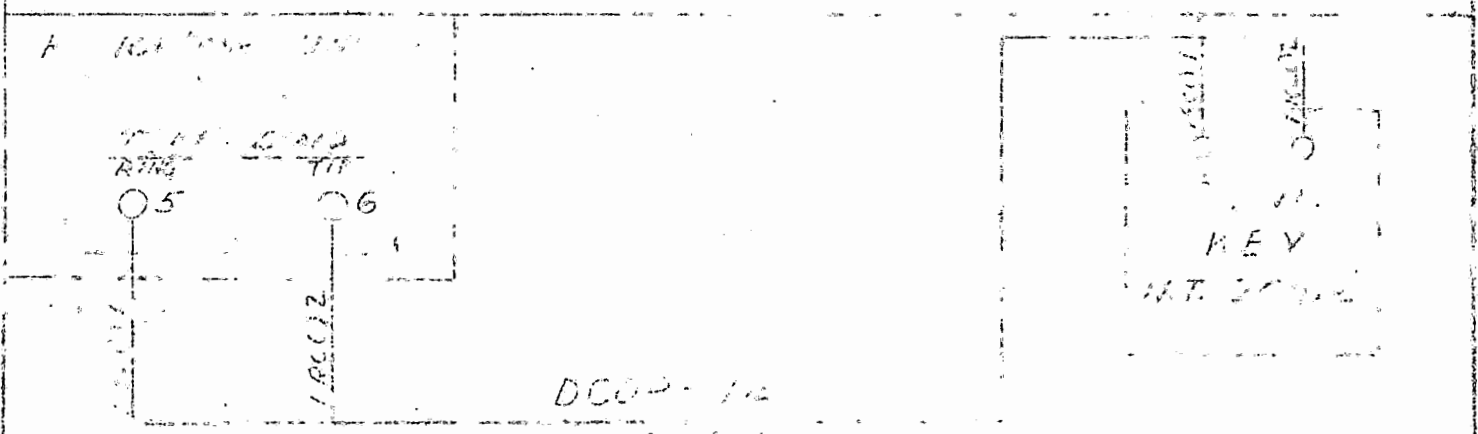
N.T. 19 17 1109

C. W.
KEY

N.T. 203.2

N.T. 203.2 C.W. KEY

METHOD "A"



A 100' ...

5 6

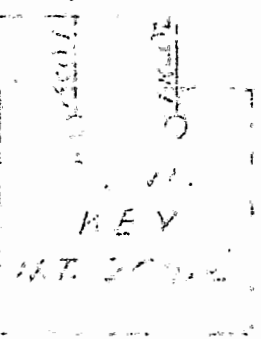
5

6

KEY

ACC 12

DCOP-12
12-RC ()



KEY

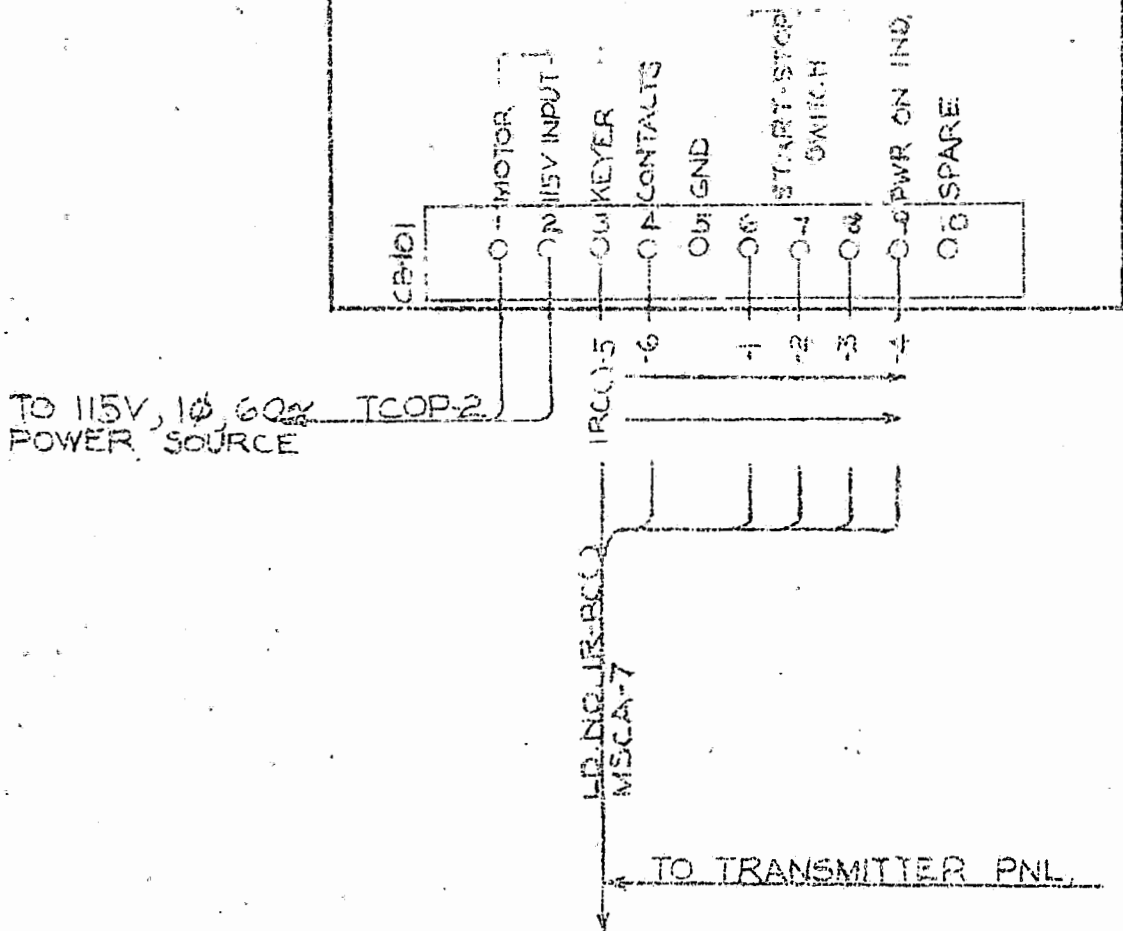
N.T. 203.2

N.T. 203.2 C.W. KEY

METHOD "A"

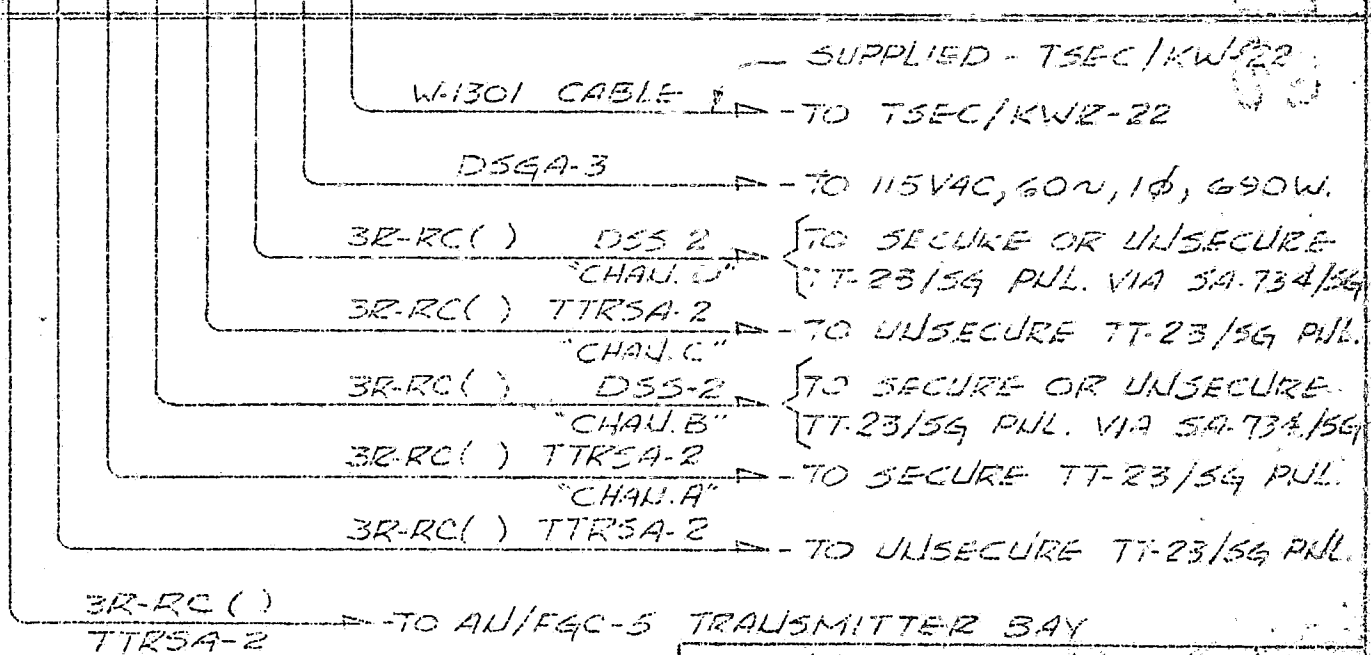
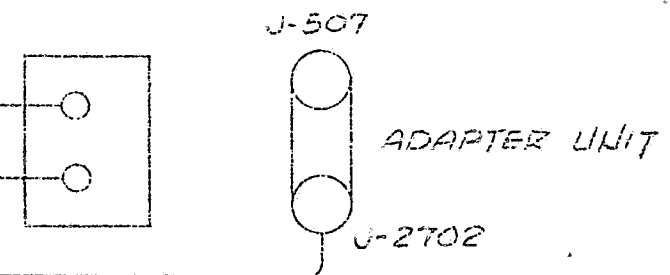
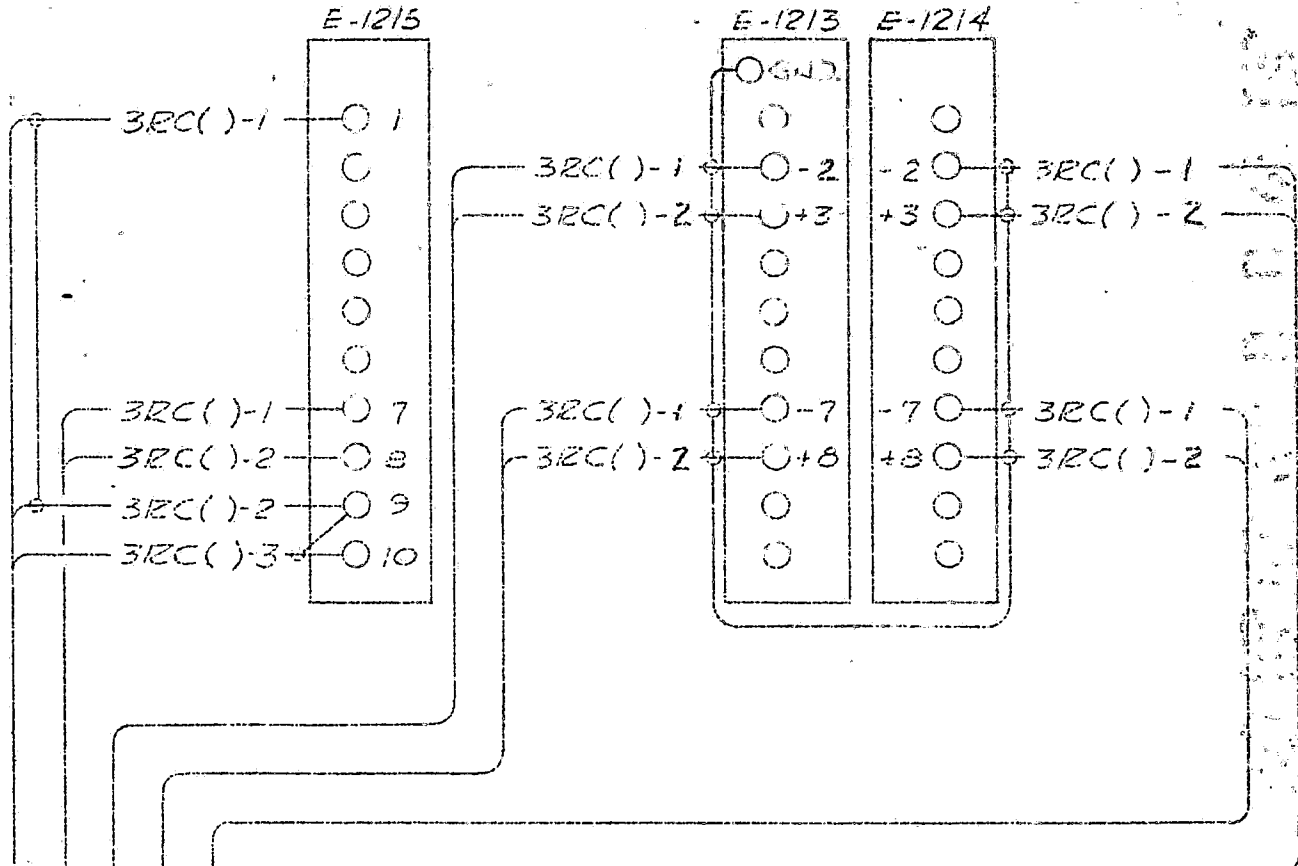
PROJECT DRAWING NO.	REV.
204-664326	R
SHEET NO 75	

KY-122/URN KEYER



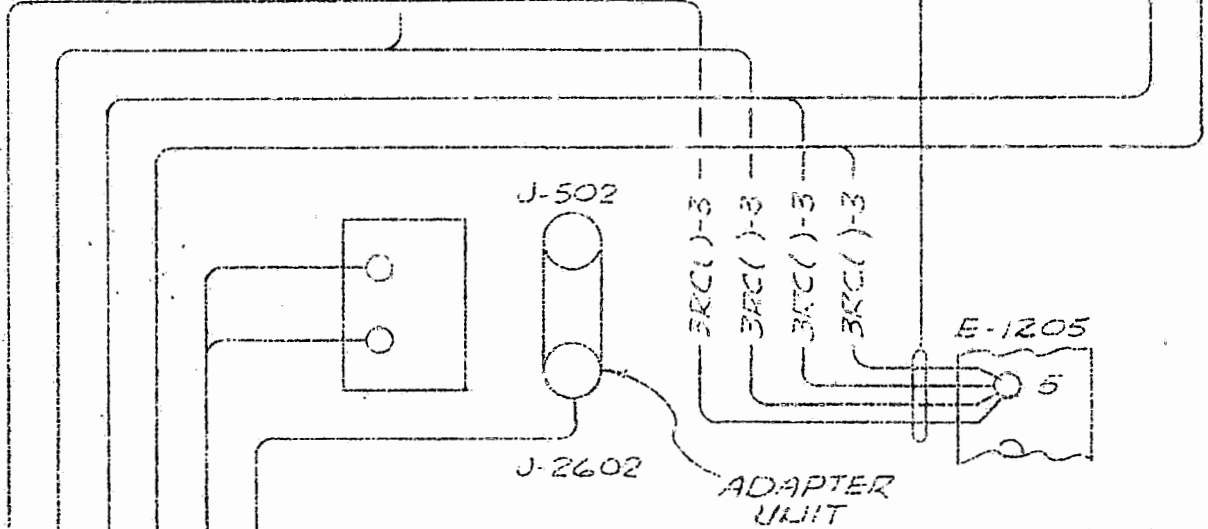
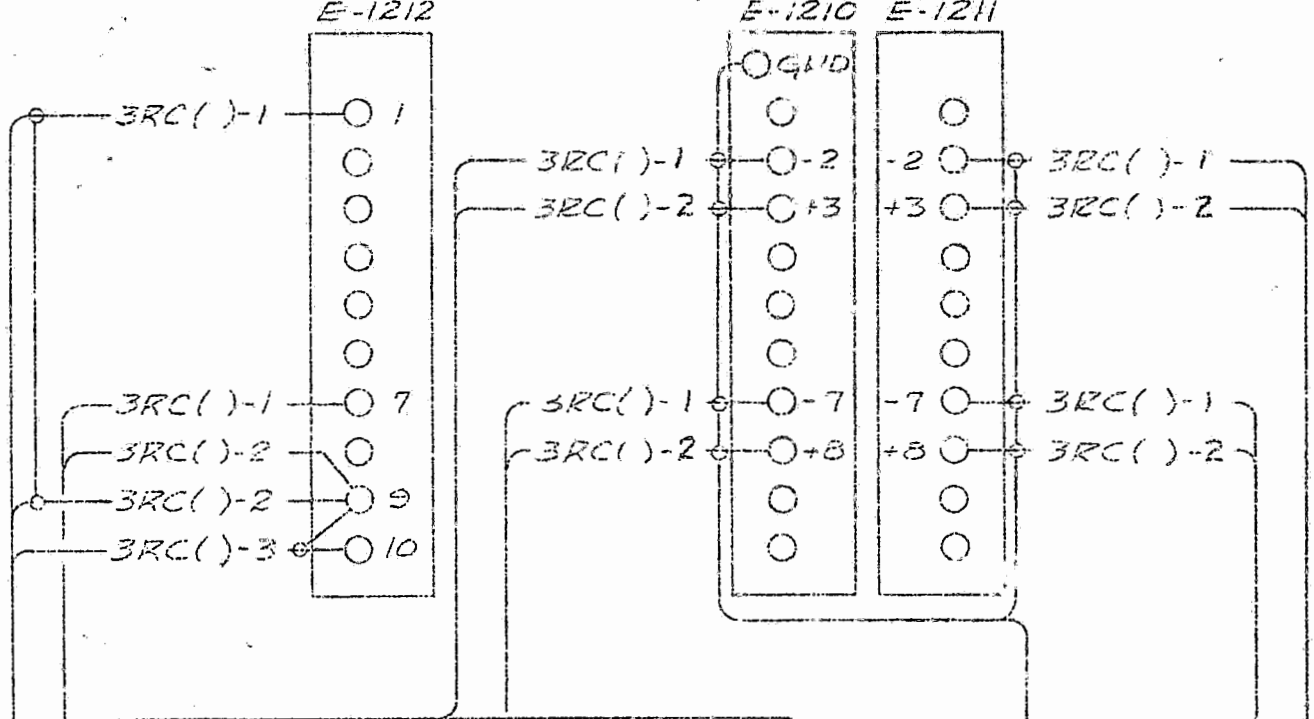
RE 67F 2058/A OUTLINE & MTG

BUSHIPS DRAWING NO.		REV
STD PLAN	404 S6700	SK-1064336 R
SHEET NO. 76		



AN/FGC-5
RECEIVER BAY

BUSHIPS DRAWING, N ^o			REV
STD.	404	SK1664-336	D
PLAN	56700		
SHEET 77			



W-1201 CABLE - SUPPLIED - TSEC/KWT-22
 TO TSEC/KWT-22

D56A-3 - TO 115VAC, 60Hz, 1Ø, 690W.

3R-RC() DSS-2 "CHAN. D" - TO SECURE OR UNSECURE TT-23/5G PNL. VIA SA-734/5G

3R-RC() TTRSA-2 "CHAN. C" - TO UNSECURE TT-23/5G PNL.

3R-RC() DSS-2 "CHAN. B" - TO SECURE OR UNSECURE TT-23/5G PNL. VIA SA-734/5G.

3R-RC() TTRSA-2 "CHAN. A" - TO SECURE TT-23/5G PNL.

3R-RC() TTRSA-2 - TO UNSECURE TT-23/5G PNL.

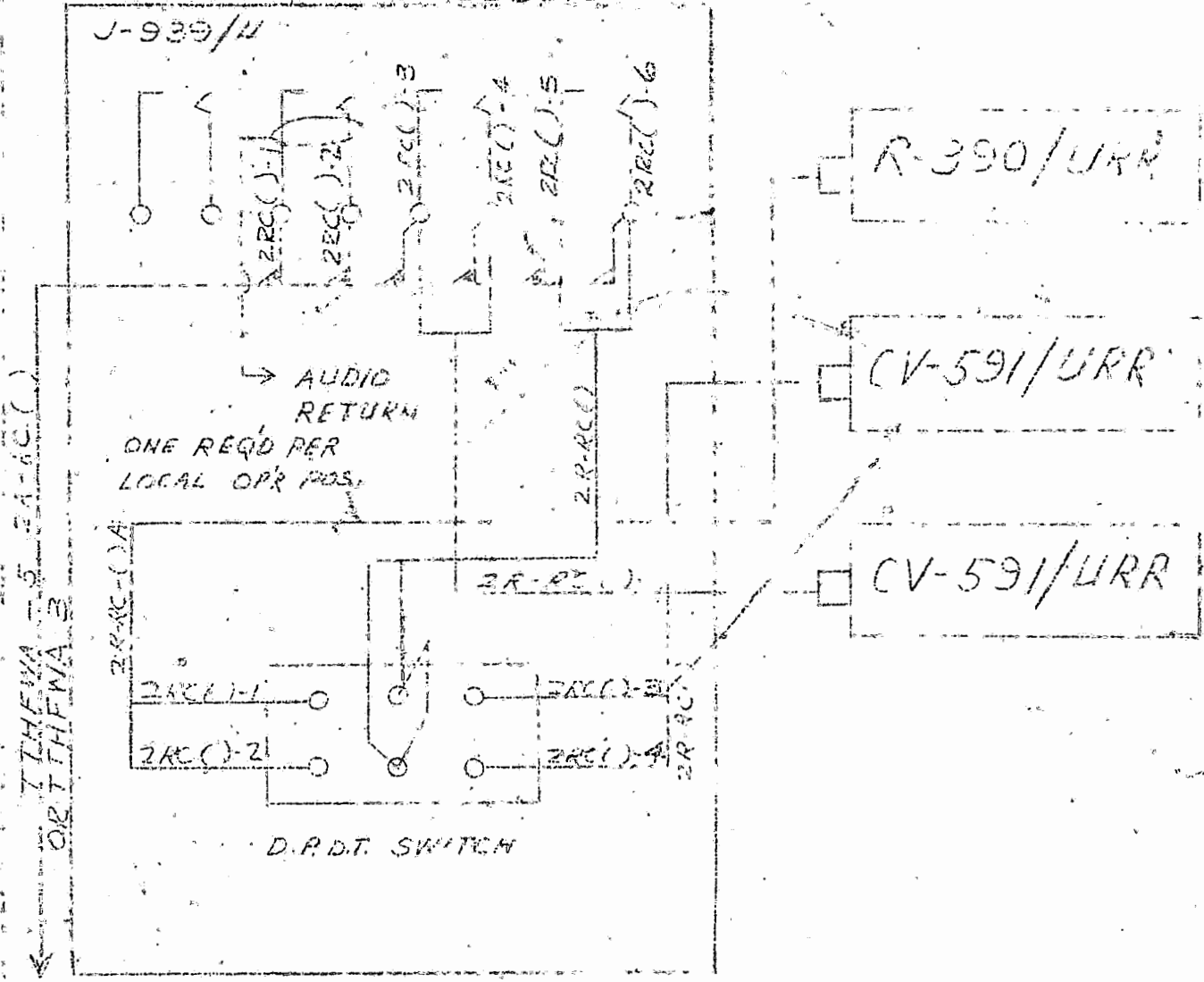
3R-RC() TTRSA-2 - TO AN/FGC-5 RECEIVER BAY

AN/FGC-5 TRANSMITTER BAY

BUSHIPS DRAWING NO.			REV.
STD.	404	5K1664336	R
PLAN.	56700		
SHEET 78			

FOR SWITCH MTG SEE
S.P. 404 SK-1665010

J-939/U



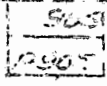
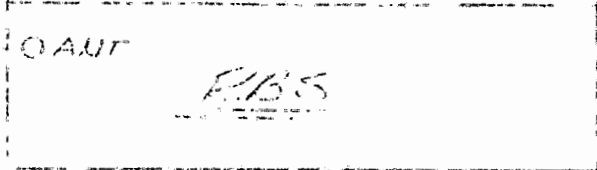
BUSHIPS DRAWING, NO REV

STD 404 SK1664336
PLAN 98730

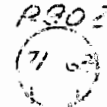
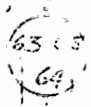
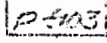
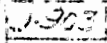
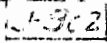
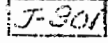
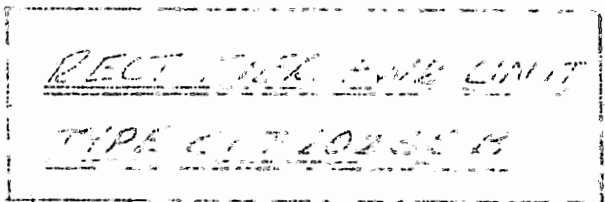
SHEET 79

R

PA 167-250
MURPHY
A. J. V. A. A. I. T.



F200



115VAC
115VAC
115VAC

240VAC
240VAC
240VAC

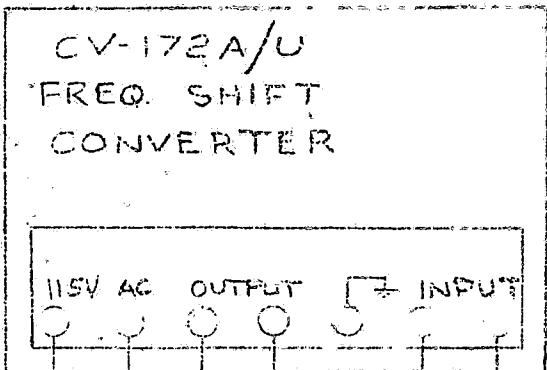
115VAC/1160/120
TOP 2

240VAC
240VAC

H/D 120

EUSHIPS DRAWING NO. REV.			
STD	404	S. 1664336	R
BLAU	2700		
EUSHIPS			

TO 115V-60-1φ-3



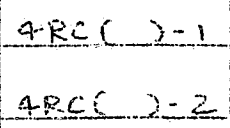
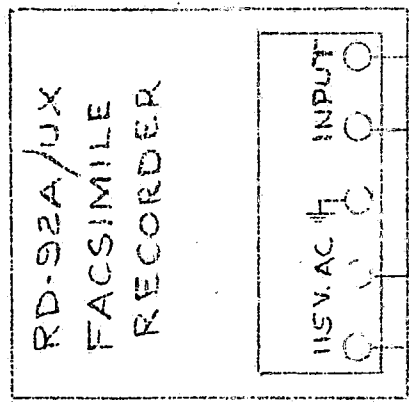
TCOP-2



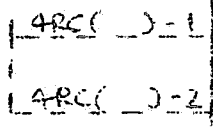
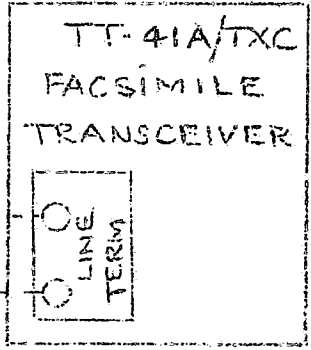
TTBSA-2
4R-RC ()

TO RADIO
RCVR OR
SB-82/SRR
SWITCHBOARD

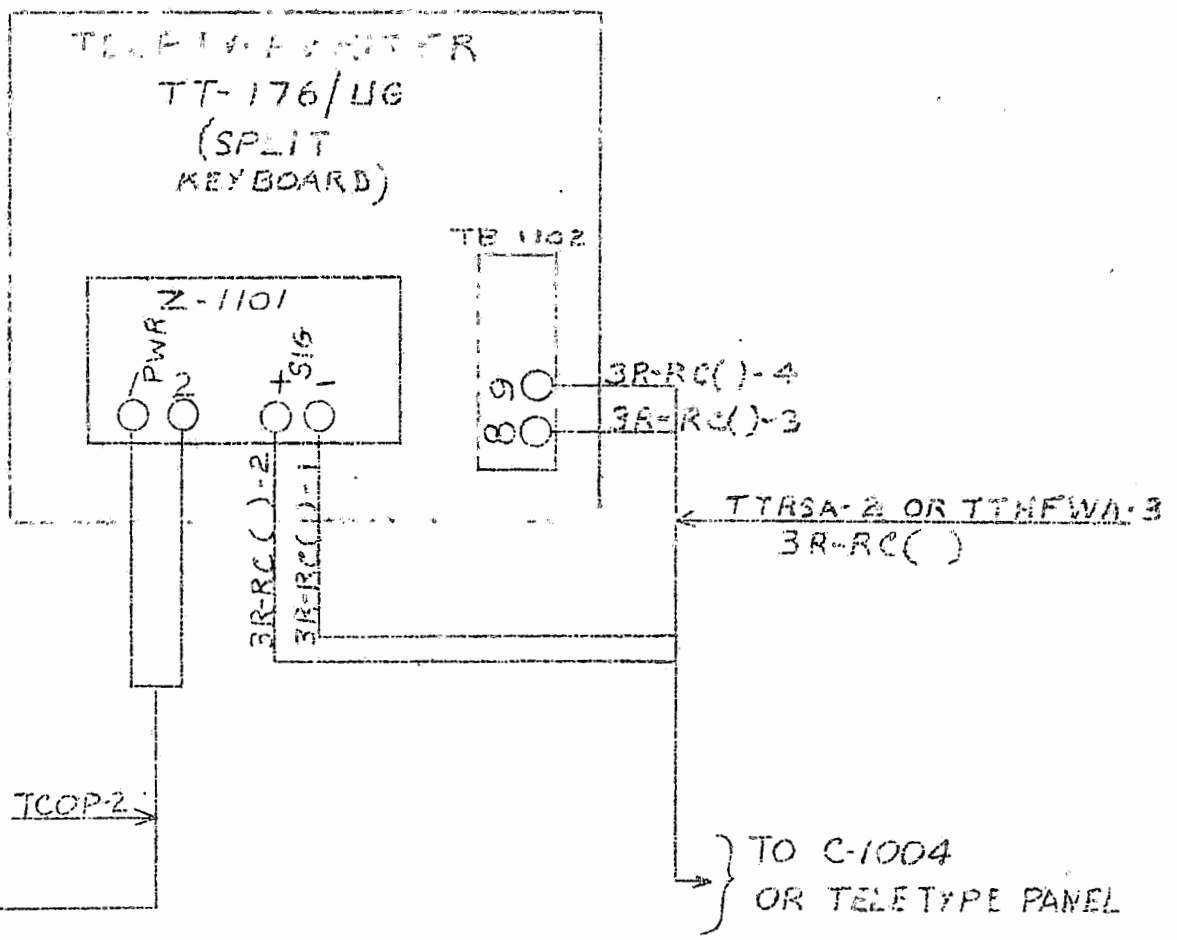
TTBSA-2
4R-RC ()



115V-60-1φ-150W TCOP-2



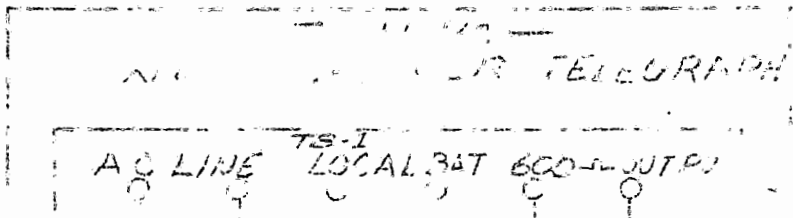
BUSHIPS DRAWING No			REV.
STD	404-	SK-1664336	R
PLAN	56700		
SHEET 81			



10,60, 65W

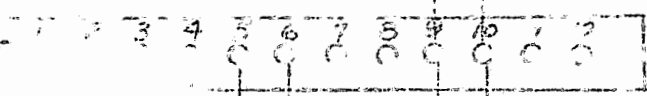
H.D. 50 WATTS
WEIGHT 81 LBS
RE 67C 2082

BUSHIP DRAWING NO			REV
STD	404	SK-1664336	R
PLAN	S6700		
SHEET NO 312			

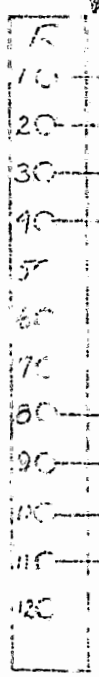


115V 60V 70 WATTS

F-341 IN



REL SW SWOL



F-341 OUT TO XMITR

JUMPERS TO BE INSTALLED IN PANEL

INSTRUCTIONS FOR SETTING UP F-341 TONE OUT

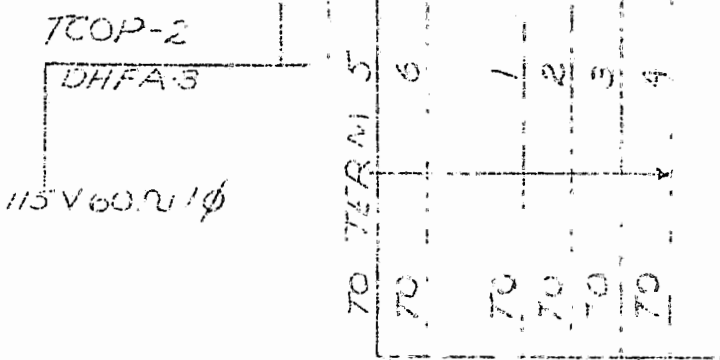
1. TURN POWER ON AND ALLOW EQUIPT TO WARM UP.
2. SET KEYSWITCH TO REVERSE, THIS SHOULD GIVE A SOLID TONE OUTPUT INDICATION ON THE METER.
3. SET POWER OUT TO 0 DBM ON METER.
4. WITH AN OSCILLOSCOPE AND A 100 USC...

MTR XFER PANEL

DATE	REV
STD	REV
PLAN	REV
SK-1064306	
PAGE 83	

KY 122, 123/URN

1	2	3	4	5	6	7	8	9	10	TE
										101



MISCA 7

TO XMTR
REFER SNBD.

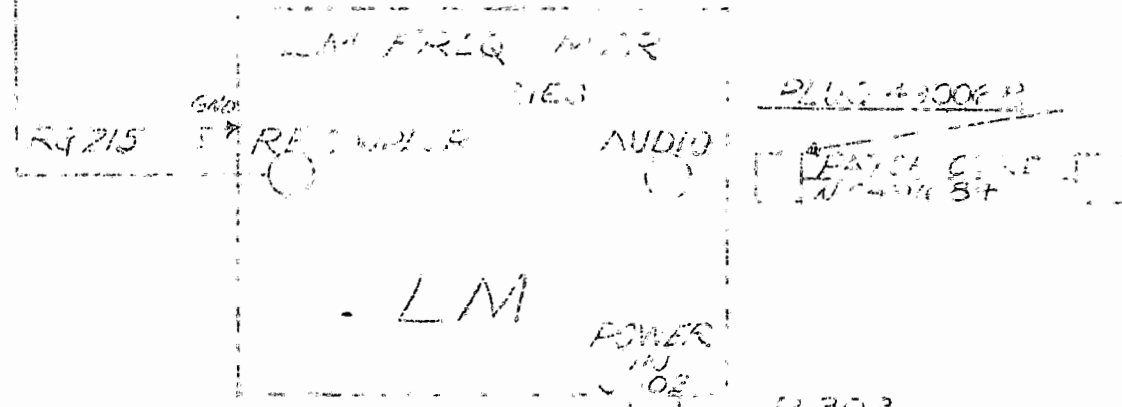
WEIGHT - KY122 = 17 LBS.
KY123 = 15 LBS

POWER - 20 WATTS

SEE NAVSHIPS S2003

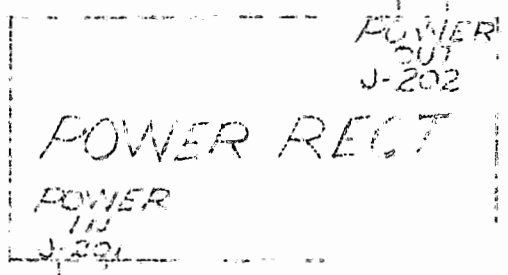
NAVSHIPS DRAWING NO			REV
STD	407	51664336	R
PLAN	34100		
SHEET 84			

RRA TO 40063 JACK BOX



SK 40063 JACK BOX

--- SUPPLIED

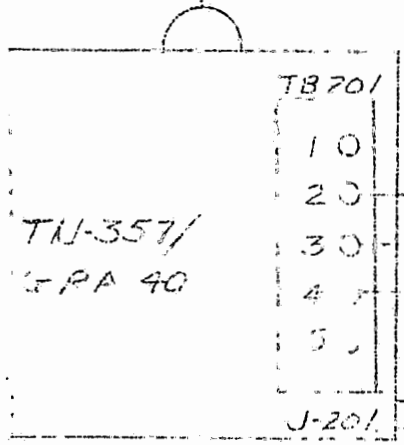


COOP-2
OR
DATA-3

110/120V
50/60Hz
1Ø 30WATT S

SEE RE 60F 2002 A

BUSHIPS LTD	REV
STD 404 SK 166 4335	R
PLAN 56700	



RAL 1-2
 RAL 3-4
 RAL 5

J-201

OPTIONAL FILTER

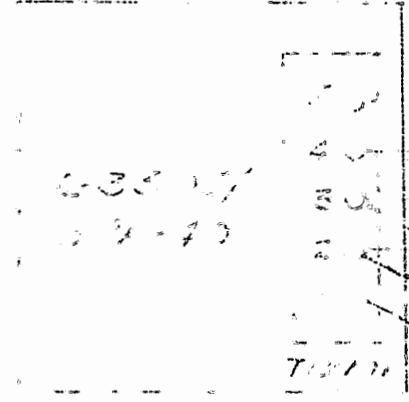
1157L

BAND PASS

FILTER
BP-110-D

HIGH PASS FILTER

1157L RAL 1-2
 1157L RAL 3-4
 1157L RAL 5



RAL 1-2
 RAL 3-4
 RAL 5

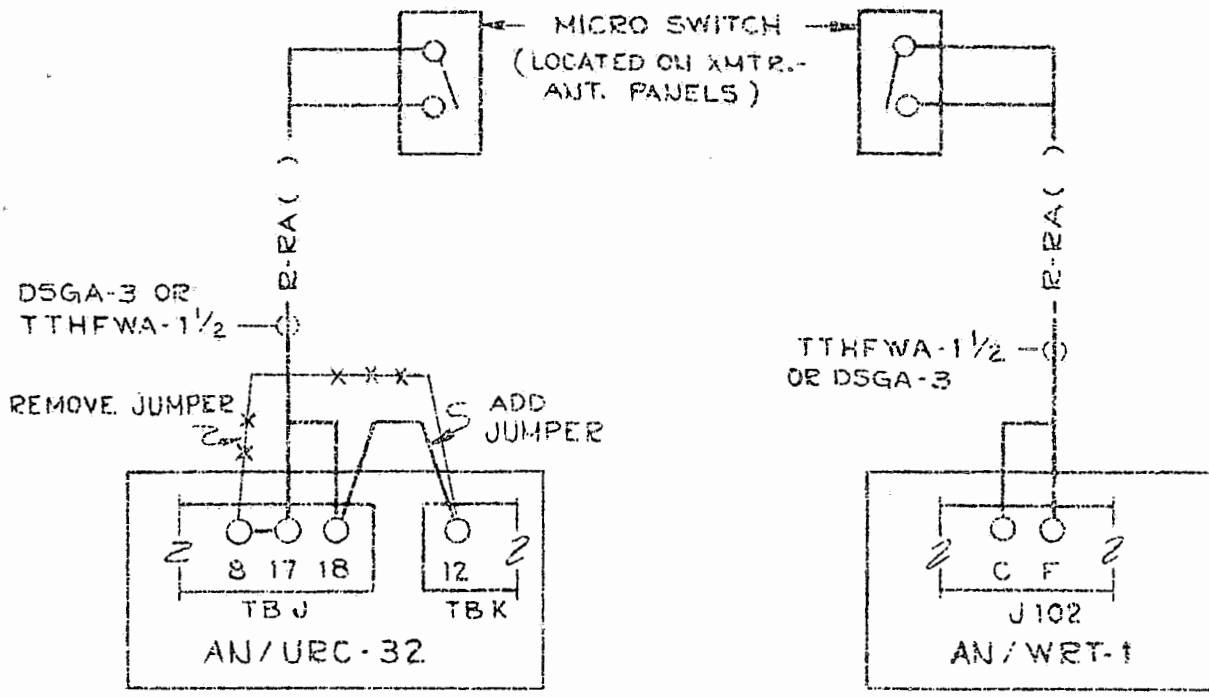
TB701

1157L / 2 / 5

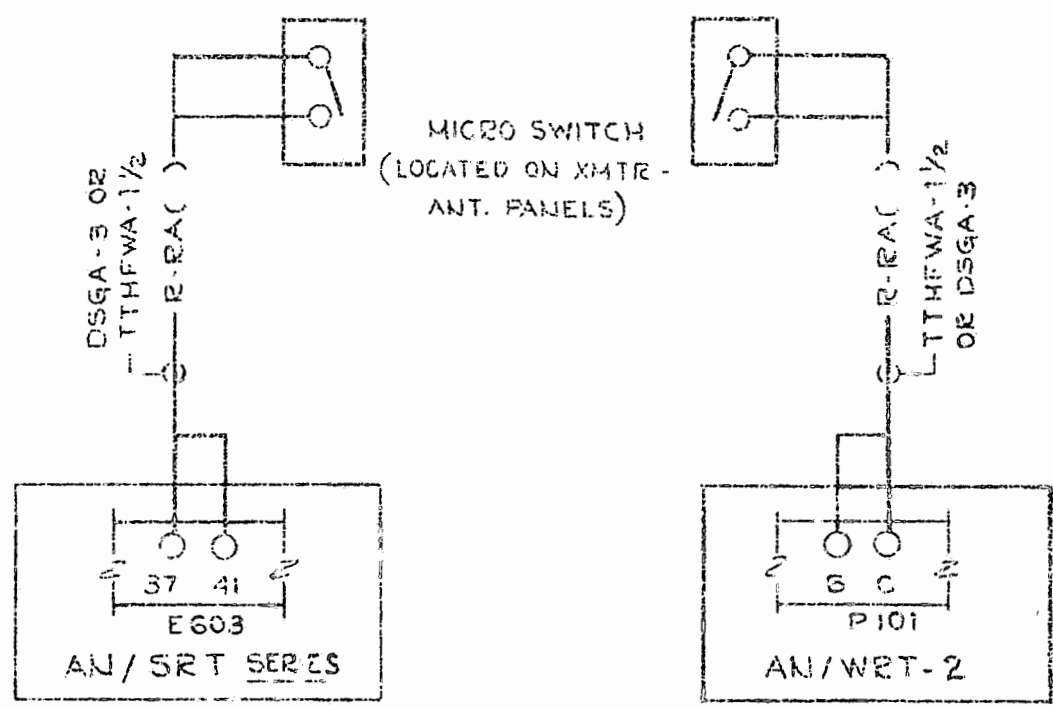
WE 2-17
 TN-357/1157L 2-17
 1157L 4-17

N. 1157L 1157L
 1157L 1157L

1157L	1157L	1157L
1157L	1157L	1157L
1157L	1157L	1157L

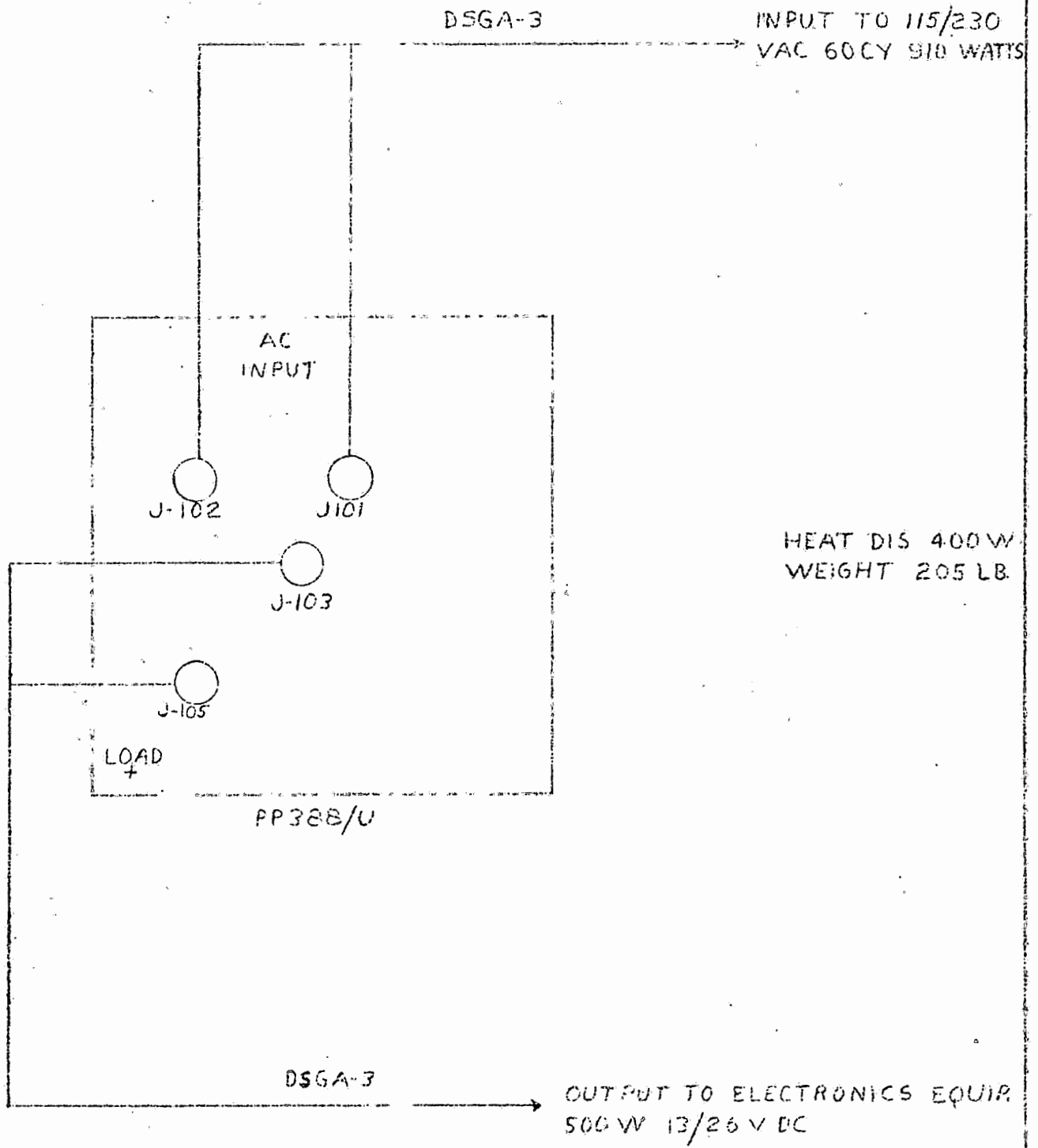


JUMPER TERMINALS 8 & 17



MICRO-SWITCH CONNECTIONS FOR ANTENNA TRANSFER
PANEL AND MISCELLANEOUS
TYPE TRANSMITTERS

BUSHIPS DRAWING NO			REV.
STD PLAN	404 56700	SK-664336	R
SHEET 87			

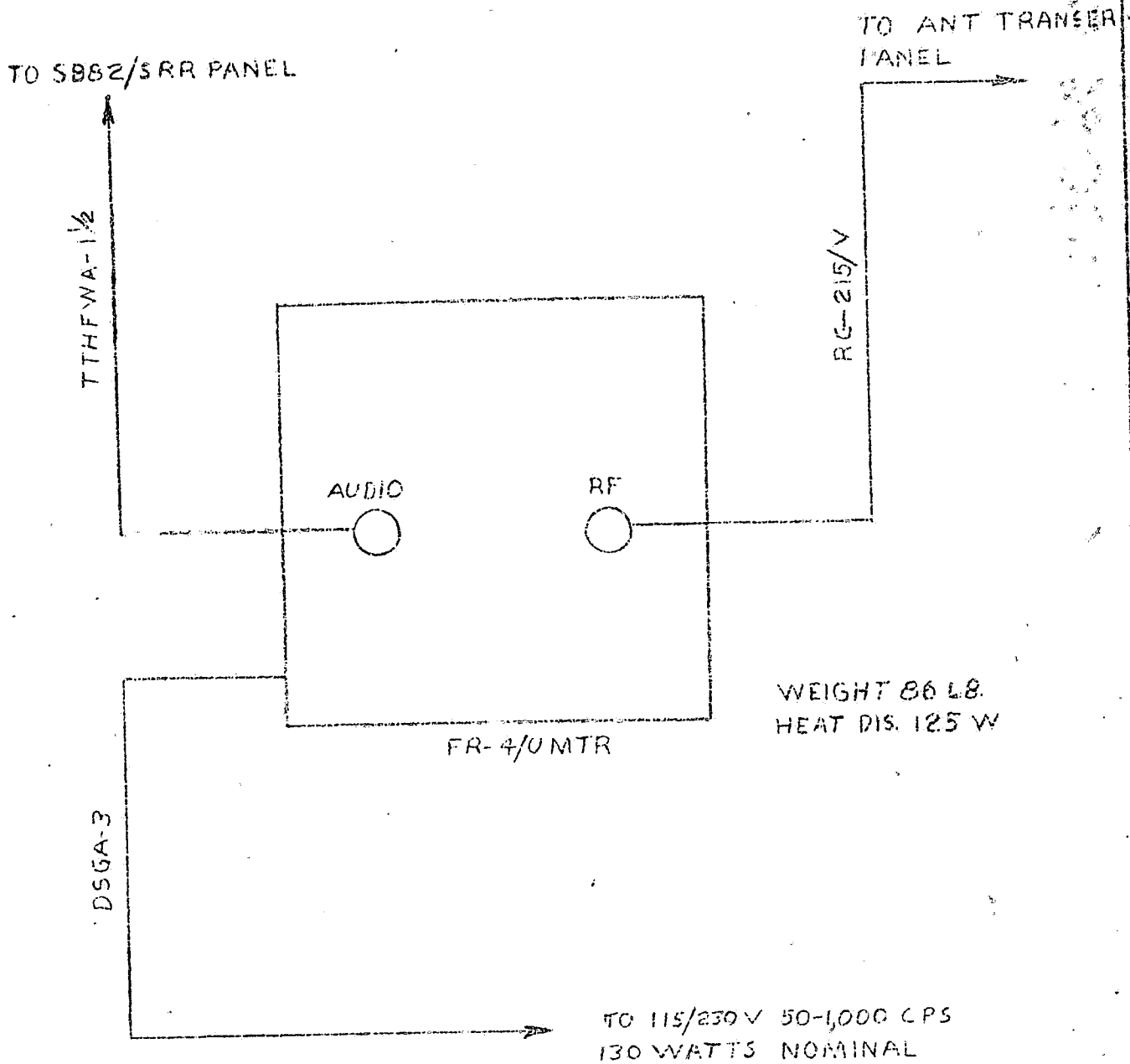


HEAT DIS 400W
WEIGHT 205 LB.

PP388/U NAVSHIPS
91137

BUSHIPS DRAWING NO			REV
578 PLAN	404 56700	SK-1564336	R
SHEET 88			

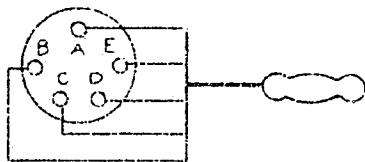
NOTE:
 FREQUENCY METERS AN/URM-79 & AN/URM-82 CONSIST OF FREQUENCY METER
 FR-4/U AND VARIOUS COMPONENTS AND ACCESSORIES. THE NOMENCLATURE
 FREQUENCY METER AN/URM-79 IS APPLIED TO THE COMPONENT GROUPING AS
 SUPPLIED TO THE SIGNAL CORPS AND AIR FORCE. THE NOMENCLATURE AN/
 URM-82 APPLIES TO THE COMPONENT GROUPING AS SUPPLIED TO THE NAVY.



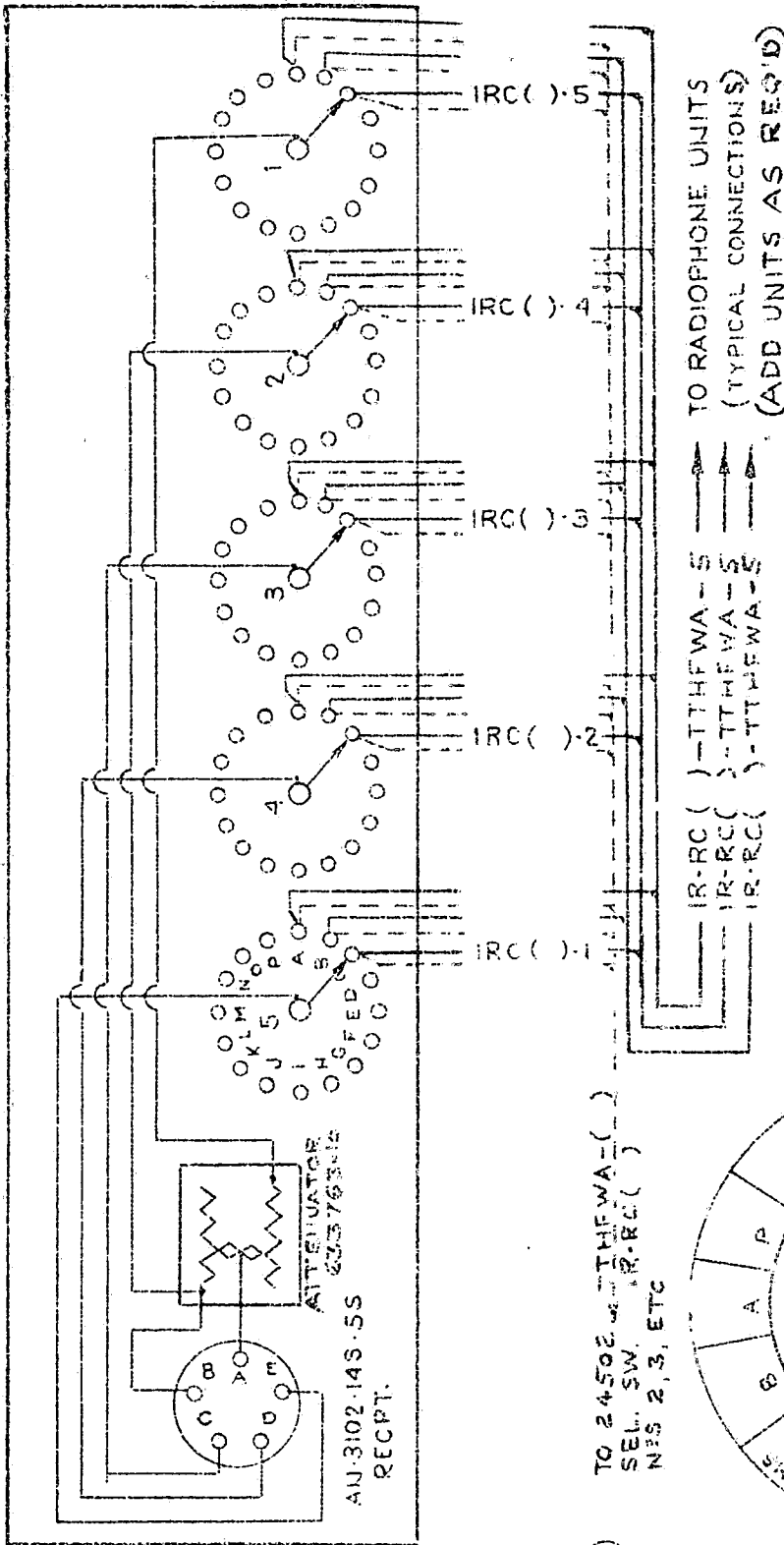
AN/URM 82 TM11-5094

BUSHIPS DRAWING NO			REV
STD PLAN	404 56700	SK-1664336	R
SHEET 89			

AN-3102-145-5P
PLUG
(PART OF H.S.)



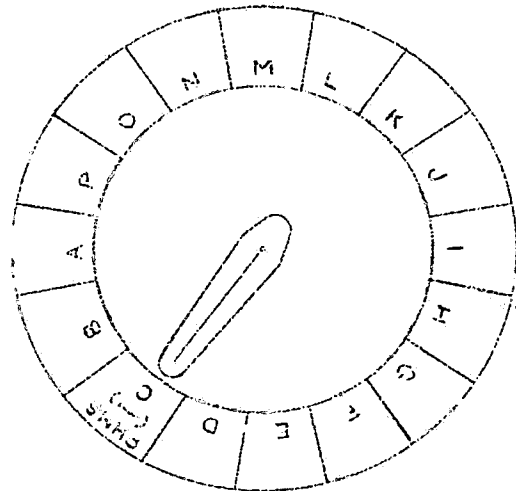
51081
HANDSET
(CORD FURNISHED)



IR-RC()-TTTFFWA-S
IR-RC()-TTTFFWA-S
IR-RC()-TTTFFWA-S

TO RADIOPHONE UNITS
(TYPICAL CONNECTIONS)
(ADD UNITS AS REQ'D)

NAMEPLATE DETAILS
POINTER SHOWN IN POSITION
OF ROTOR ARM IN DIAGRAM



TO 24502 SEL. SW. NOS 2,3, ETC

24502

SELECTOR SWITCH N#1
MODIFIED FOR HANDSET & VOL. CONT.

NOTE:
MSCA CABLE MAY BE
USED IN LIEU OF TTTFFWA.

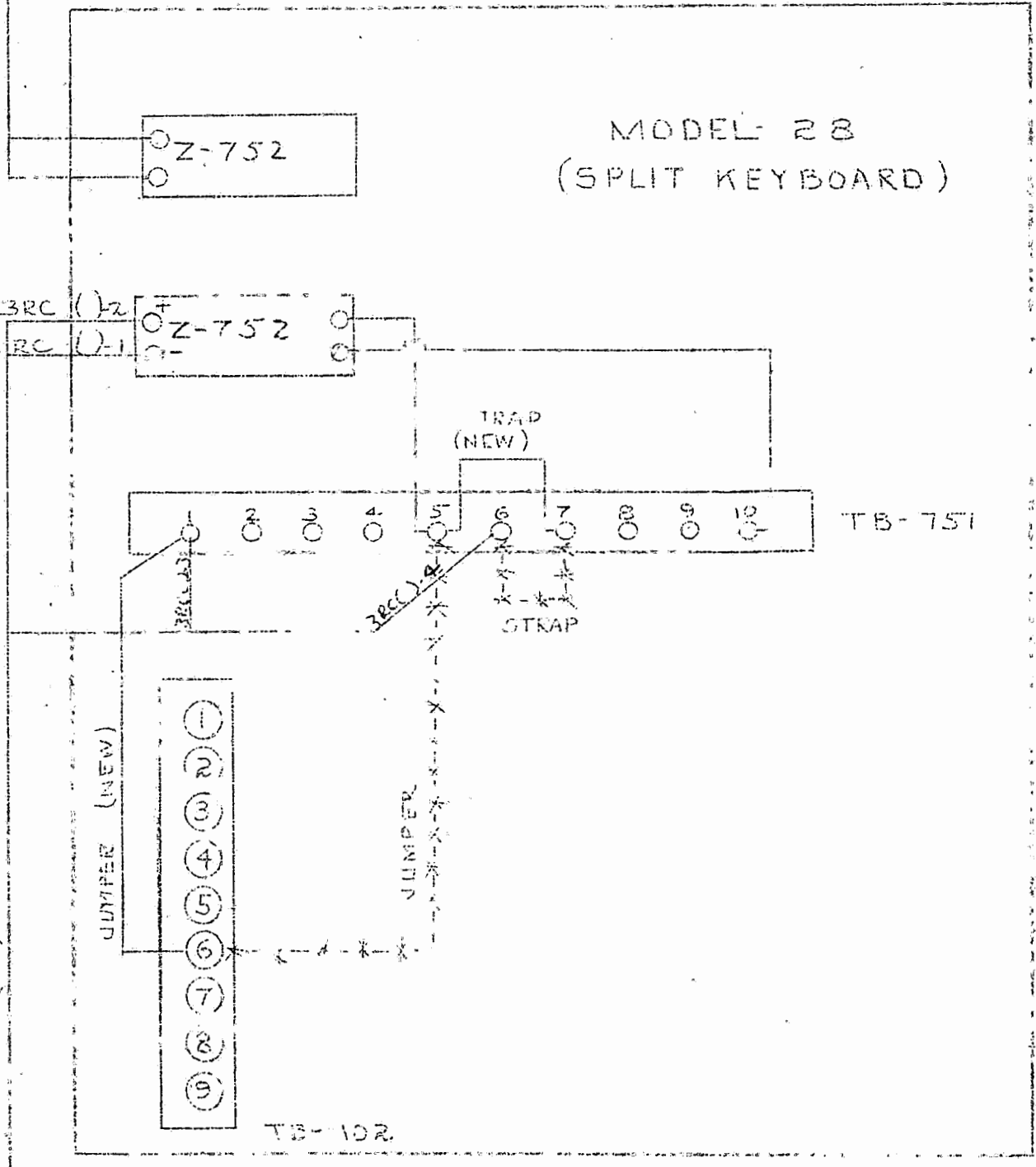
BUSHIPS DRAWING NUMBER		REV
STD PLAN	404	SK 1664 336
	56700	
SHEET 90		

TT 47/UG
 TT 48/UG
 TT 128/UG
 TT 129/UG
 TT 69/UG
 TT 70/UG
 TT 130/UG - RE 67F-2046
 TT 131/UG

115/60/1105

MODEL 28
(SPLIT KEYBOARD)

LD 3R-RC () TTRSA-2 OF TTRWA-3

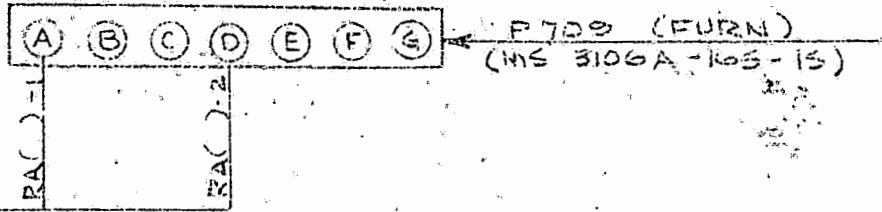


TO C-1004
OF TTY PANEL

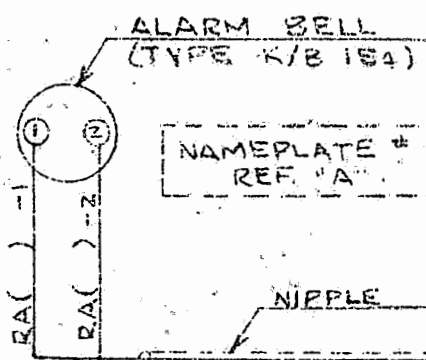
HD 50W
RE 67D-2196

SHIPS DRAWING NO			REV
STD	404	SK1664336	R
PLAN	56700		
SHEET 91			

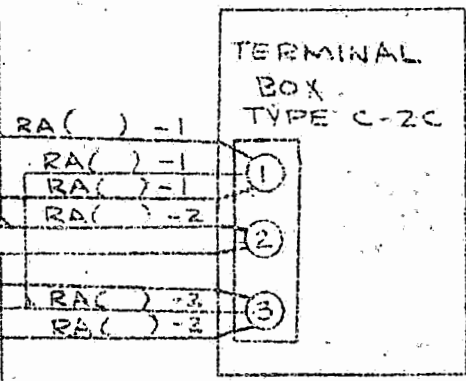
AN/URQ-9 FREQ.
STD.
J 709



DSGA-3
LD. NO R-RA()

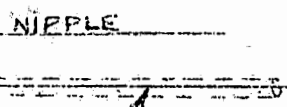


NAMEPLATE # 1
REF. "A"



TERMINAL
BOX
TYPE C-2C

DSGA-3
LD. NO R-RA()

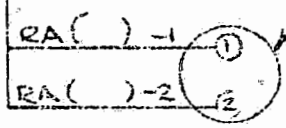


INDICATOR LIGHT (TYPE B41A)
(LOCATE IN RADIO CENTRAL
NEAR SUPVR. POSITION)

TO EMERGENCY
POWER. SOURCE

DSGA-3

DSGA-3
LD. NO R-RA()



NAMEPLATE # 2
REF. "A"

AN/URQ-9
ALARM SYSTEM

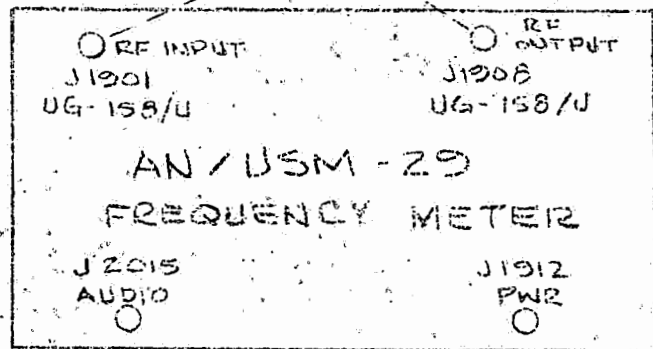
REF. "A" STD. PLAN - 404- SK 1668440 - AN/URQ-9 EXTERNAL ALARM
NAMEPLATE DETAILS

BUSHIPS DRAWING NO			REV.
STD. PLAN	404 56700	SK 1664336	R
SHEET 02			

TO 58-8Z/52R SWITCHBOARDS

TTHEWA-1/2
LD. # 2R-RC()

2RC() -1
2RC() -1
2RC() -2
2RC() -2



RG-58C/U
LD. # R-RA()

TO AN/SEA-12 ASSEMBLY OR NT. 49063 RF JACKBOX

UG-88/U PLUG
UG-306/U RTL ADAPTER

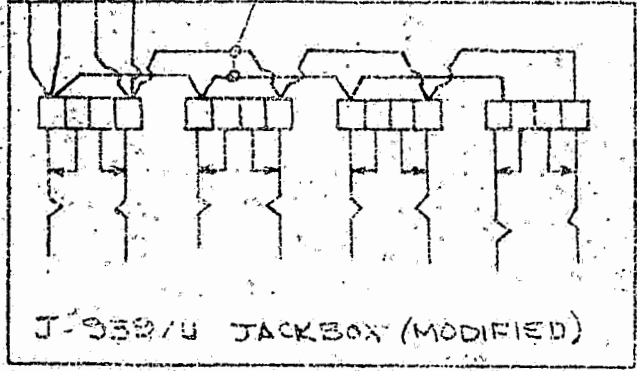
A/B FURN.
2RC() -1
2RC() -2

FURN.

DSGA-3 → 115/60/1/545
POWER SOURCE

TTHEWA-1/2
LD. # 2R-RC()

INSTALL JUMPERS (6)

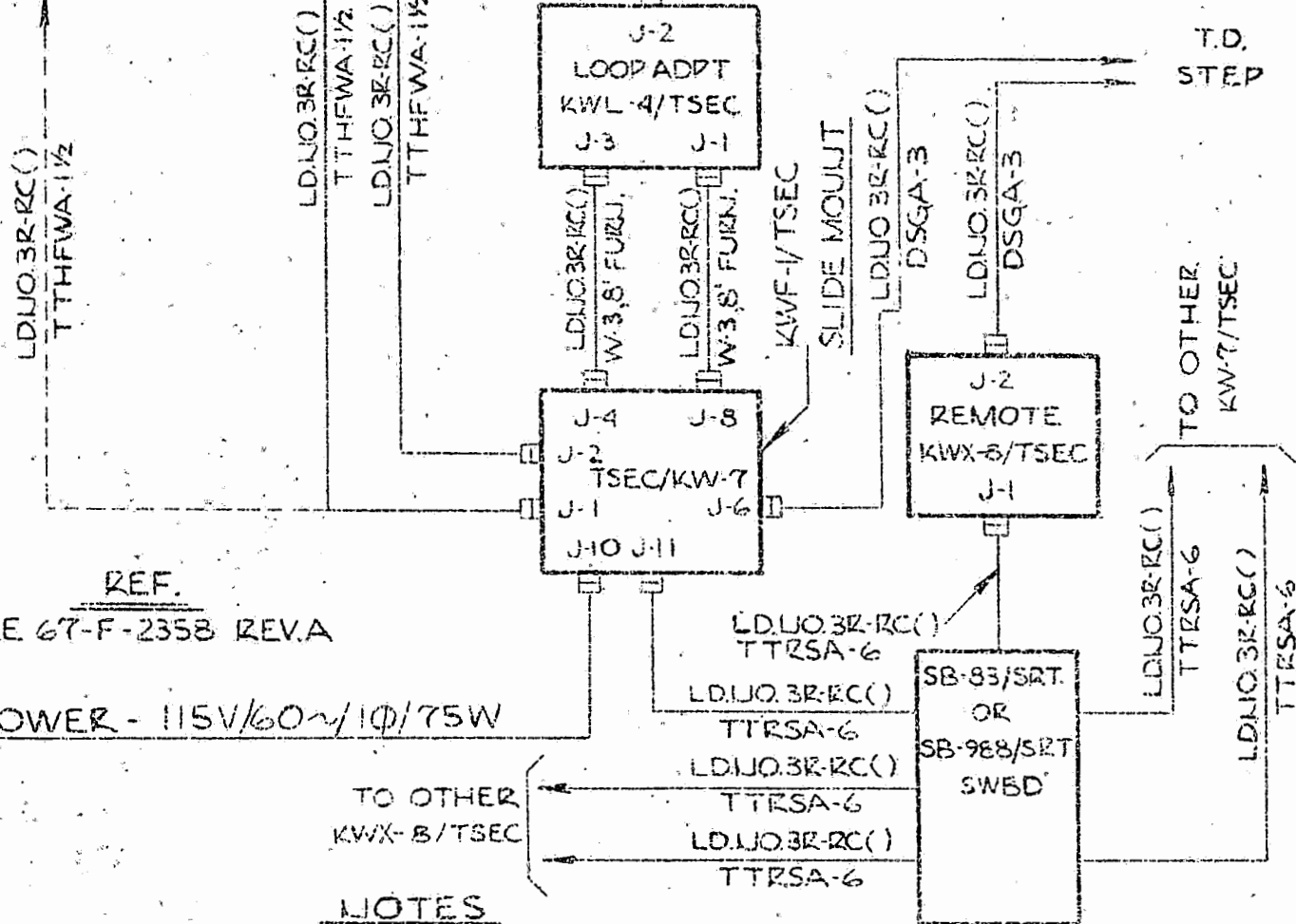


AN/USM-29

H.D. — — — — 495 WATTS
WT. — — — — 202 LBS.
NAVSHIPS 91938

BUSHIPS DRAWING NO.			REV.
STD.	404	SK 1664336	R
PLAN	56700		
SHEET		93	

SEE NOTE 2



REF.

RE 67-F-2358 REV.A

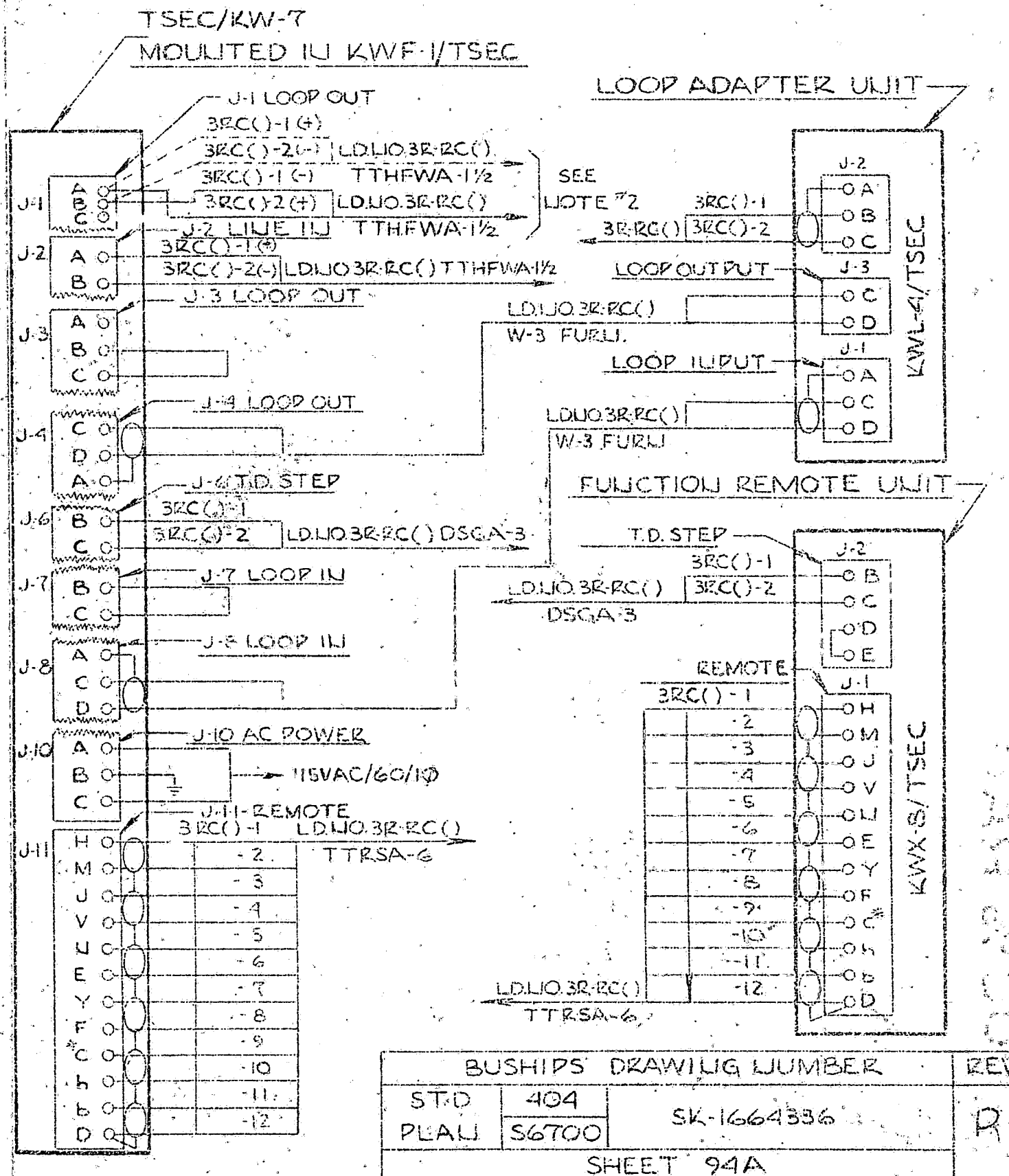
POWER - 115V/60~/1Ø/75W

NOTES

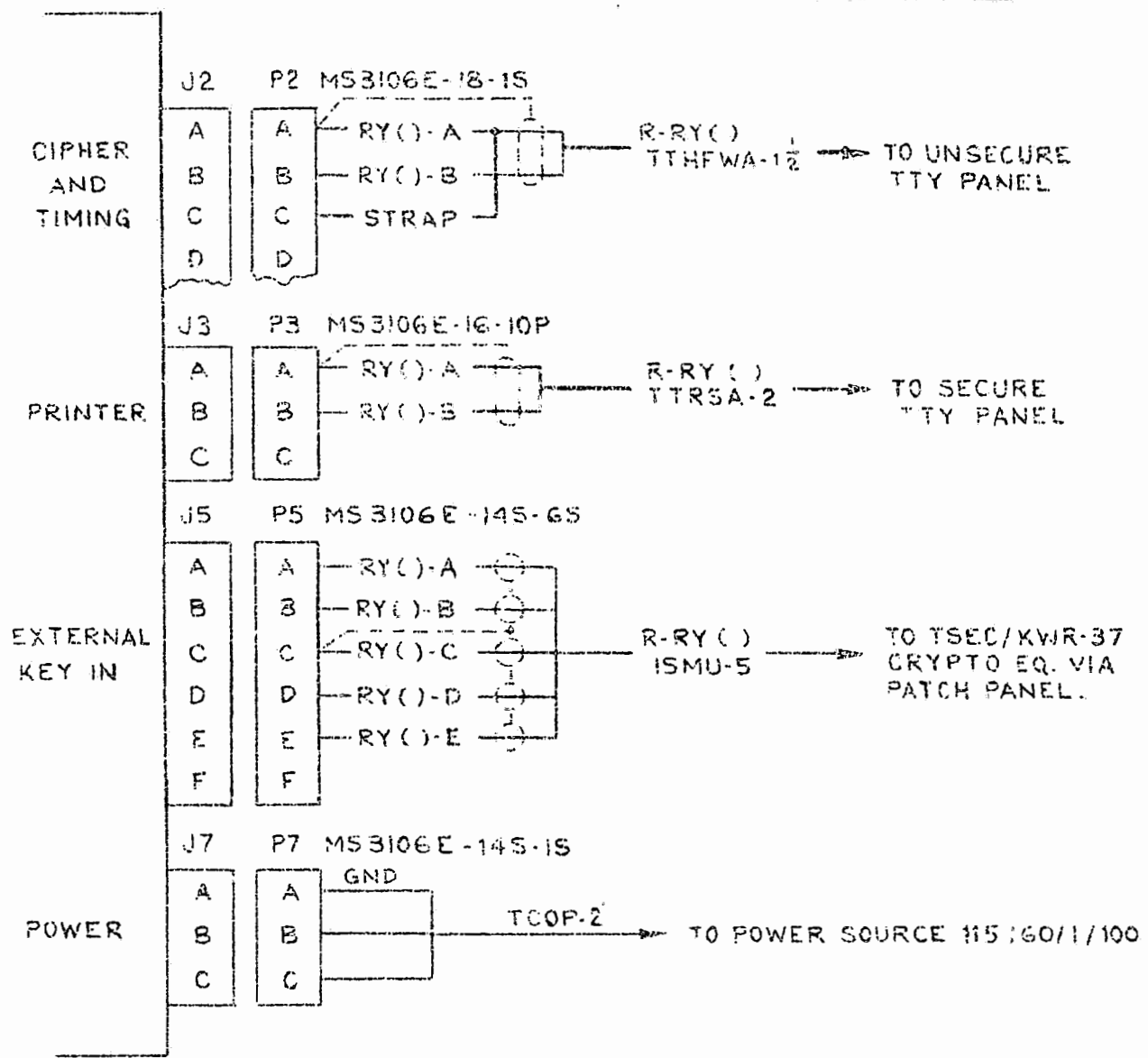
1. ALL PLUGS FURNISHED WITH EQUIP.
2. FOR TWO-WIRE NEUTRAL OPERATION PROCEED AS FOLLOWS :
 - A. CABLE W-8 & J2 OF KWF-1/TSEC ARE NOT USED.
 - B. STRAP TERMINALS E2 & E4 ON THE TSEC/KW-7
 - C. XMIT/REC LINE CURRENT IS THEN APPLIED TO TERM'S E1 & E5 ON THE TSEC/KW-7 BY COLLECTING PIN A OF J1 ON KWF-1/TSEC TO E1 ON THE TSEC/KW-7 & PIN B OF J1 ON KW-7/TSEC TO E5 ON THE TSEC/KW-7
 - D. POSITIVE LINE BATTERY MUST BE CONNECTED TO E1 ON THE TSEC/KW-7
3. FOR FOUR-WIRE NEUTRAL OPERATION REC LINE IS APPLIED TO TERMINALS E1 & E2 ON THE TSEC/KW-7 & XMIT LINE CURRENT IS APPLIED TO TERMINALS E4 & E5 ON THE TSEC/KW-7. TERMINAL E5 MUST BE CONNECTED TO NEGATIVE LINE BATTERY

BUSHIPS DRAWING NUMBER			REV
STD	404	SK 1664336	R
PLAN	S6700		
SHEET 94			

*C = SMALL C IN J11 & J-1
 JUMPER TERM. V & W IN J-11 & J-1
 JUMPER TERM D & Z IN J-11 & J-1



BUSHIPS DRAWING NUMBER			REV
STD	404	SK-1664336	R
PLALI	S6700		
SHEET 94A			



NOTE - THE INFORMATION, AS SHOWN, IS FOR SPECIAL APPLICATION AND INCLUDES ONLY THAT PORTION OF THE TSEC/KG-14 WHICH IS INVOLVED IN THE RECEIVE MODE OF OPERATION. USE ONLY WHERE THIS PAGE IS SPECIFIED ON WIRING PLANS.

ALL SHIELDS ON CABLE ARE TO BE TIED TOGETHER AND GROUNDED AT BOTH ENDS.

NO OTHER TYPE CABLE IS TO BE USED IN LIEU OF ISMU-5

H.D. - 50W.

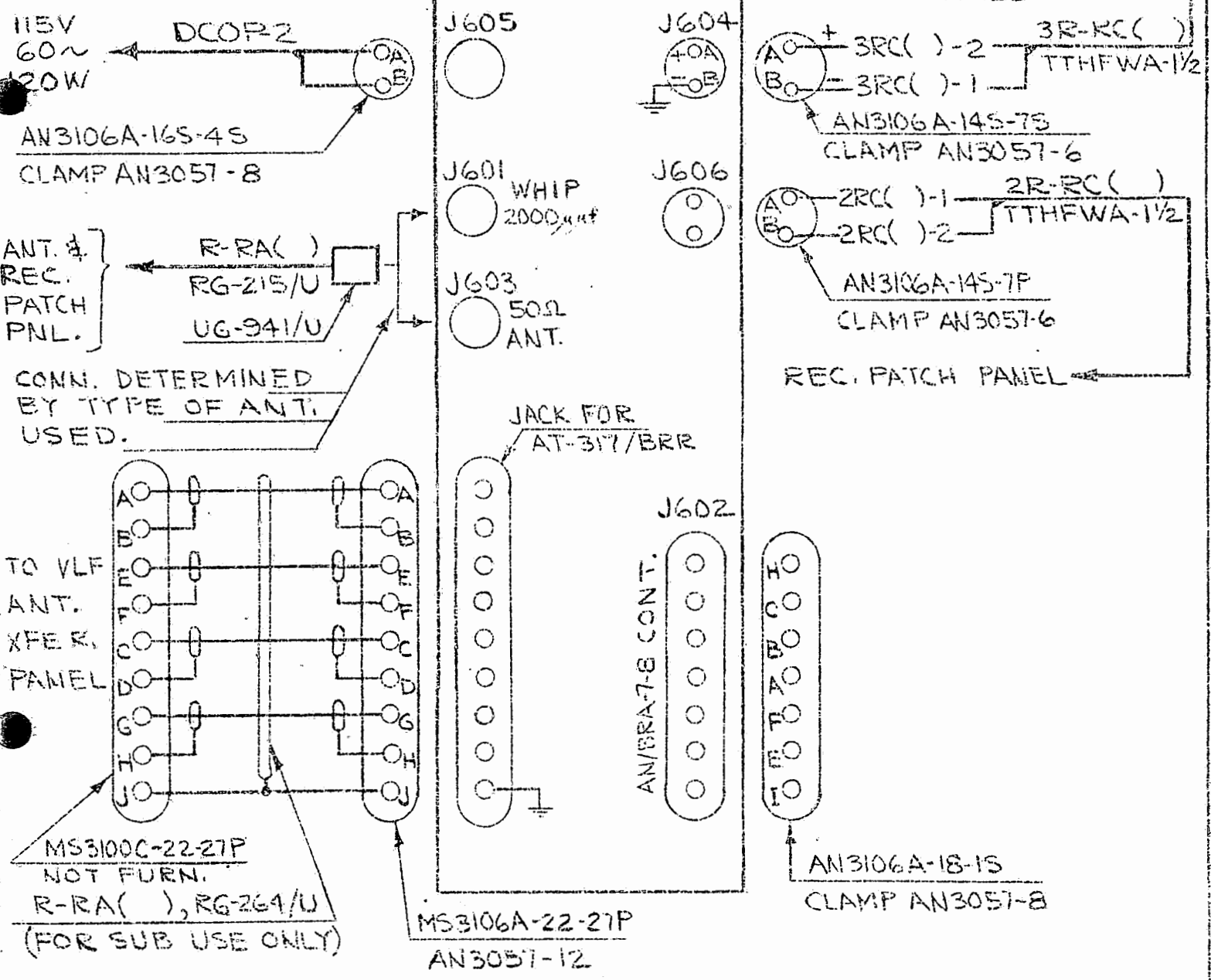
REG7D-2348 EQUIPMENT OUTLINE

ALL CABLE CONNECTORS ARE SUPPLIED WITH EQUIPMENT

TSEC/KG-14
ON-LINE SECURITY EQUIPMENT

BUSHIPS DRAWING N°			REV
STD PLAN	404 S6700	SK1664336	
SHEET 95			

AN/BRR-3



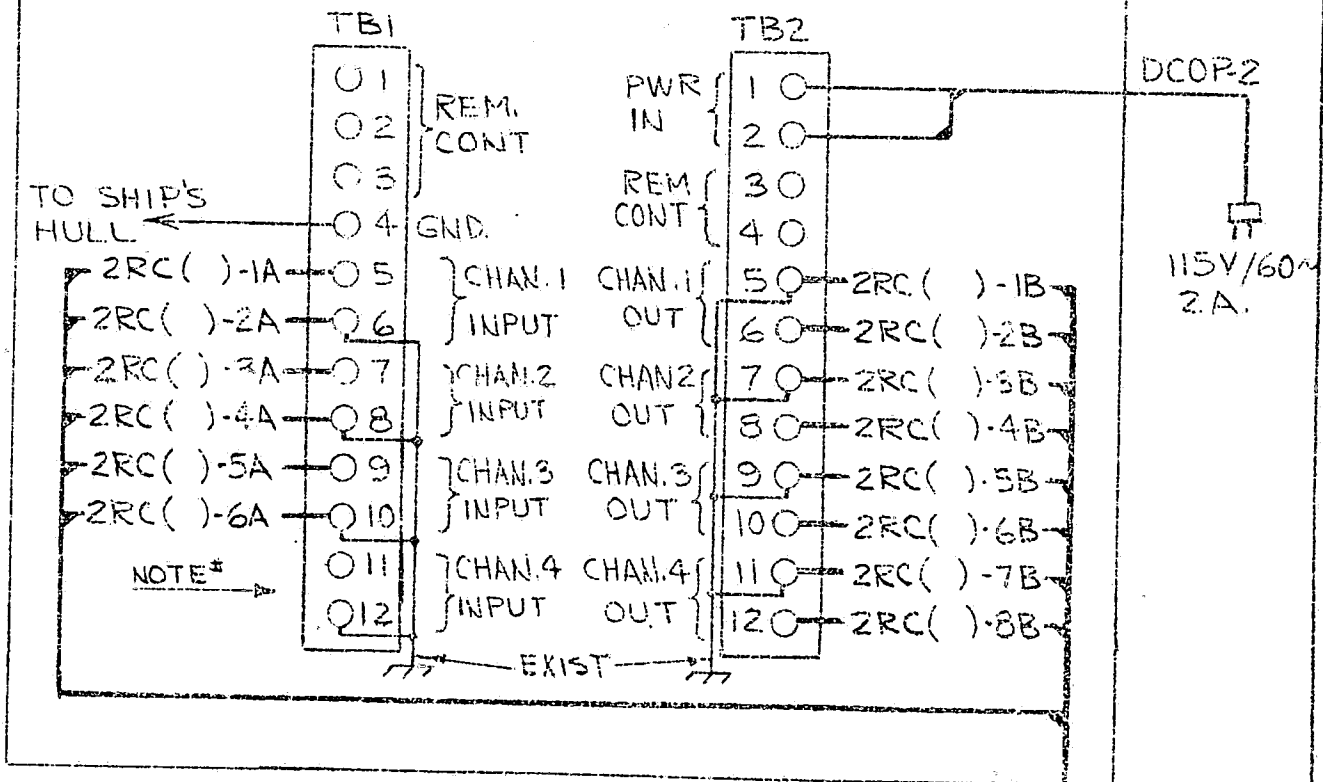
NOTE:

1. CONNECTORS & CLAMPS FURNISHED UNLESS OTHERWISE INDICATED.
2. INFO FROM NAVSHIPS# 93716 & USNUSL SK 39348.

WEIGHT: 85 LB.
H.D. : 120 W

BUSHIPS DRAWING NO.	REV
STD 404 PLAN S6700-SK1664336	D
SHEET NO. 96	

RD-219A/U RECORDER



TO OUTPUT CONNS. ON SB-82 PANEL
 TO INPUT CONNS. ON SB-82 PANEL

2RC()-()A SERIES
 2R-RC()
 TTHFWA-3,5,OR10
 DEPENDING ON NO.
 OF CHAN. INPUTS &
 OUTPUTS USED.

WEIGHT: 54 LB.
 H. D. : 110 WATT

NOTES:

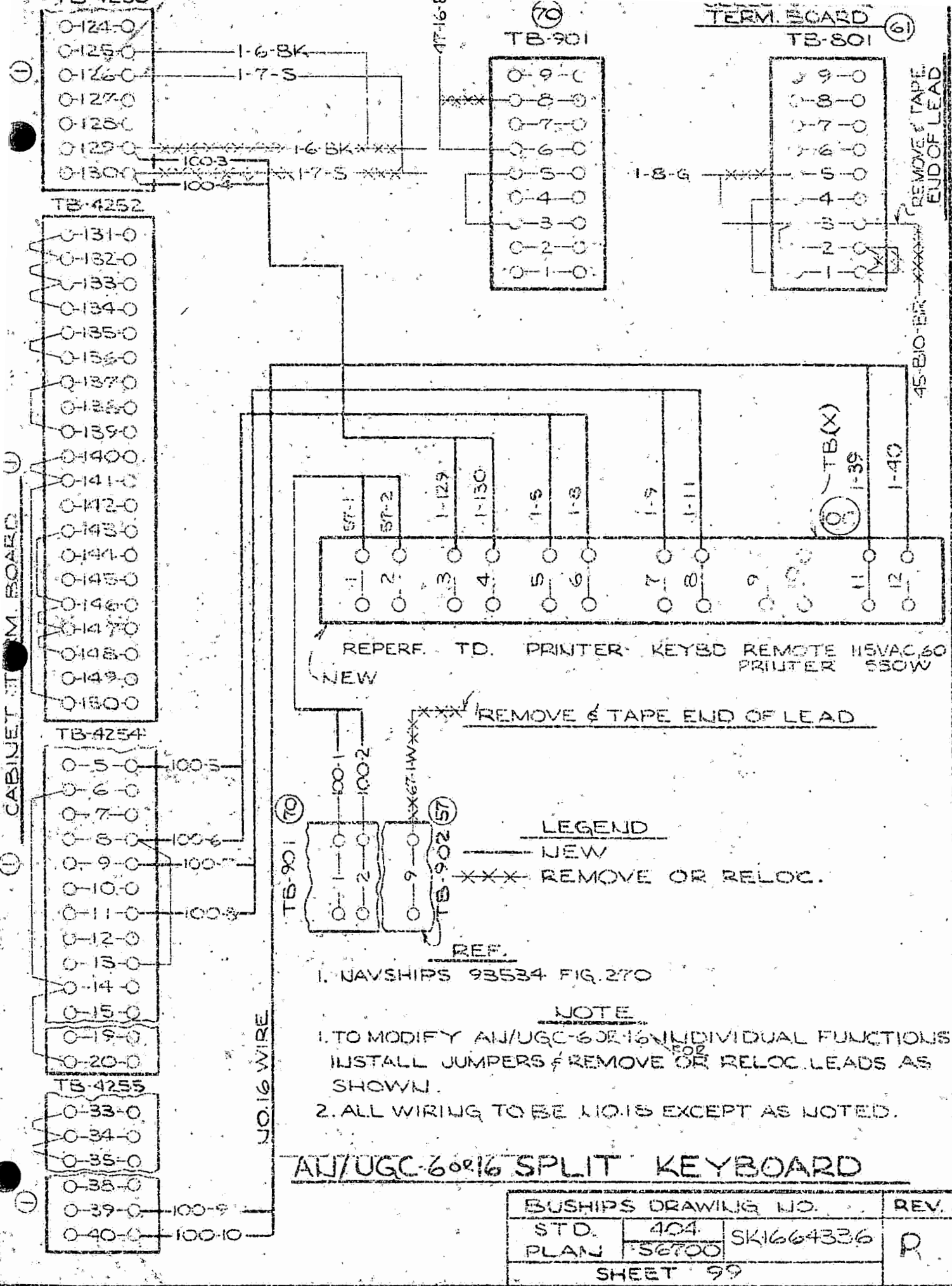
1. CABLE MAY POSSIBLY BE SPLIT INTO (2) SEPARATE CABLES (A & B SERIES) WHEN USED WITH SB-82 PANELS WITHOUT WIRING TROUGHS.
2. CHAN.#4 INPUT IS ONLY FOR MICROPHONE WHICH IS NORMALLY CONNECTED THRU JACK ON FRONT PANEL.
3. INFO FROM NAVSHIPS NA 365-2720.

BUSHIPS DRAWING NO.	REV.
STD 404	
PLAN 56700-SK1664336	
SHEET NO. 97	

AN/SRC-20 RADIO SET

WIRING DETAILS TO BE FURNISHED LATER PENDING
RECEIPT OF INFORMATION FROM BUSHIPS.

BUSHIPS DRAWING NO.	REV.
STD 404	
PLAN S6700-SK1664336	R
SHEET NO 98	

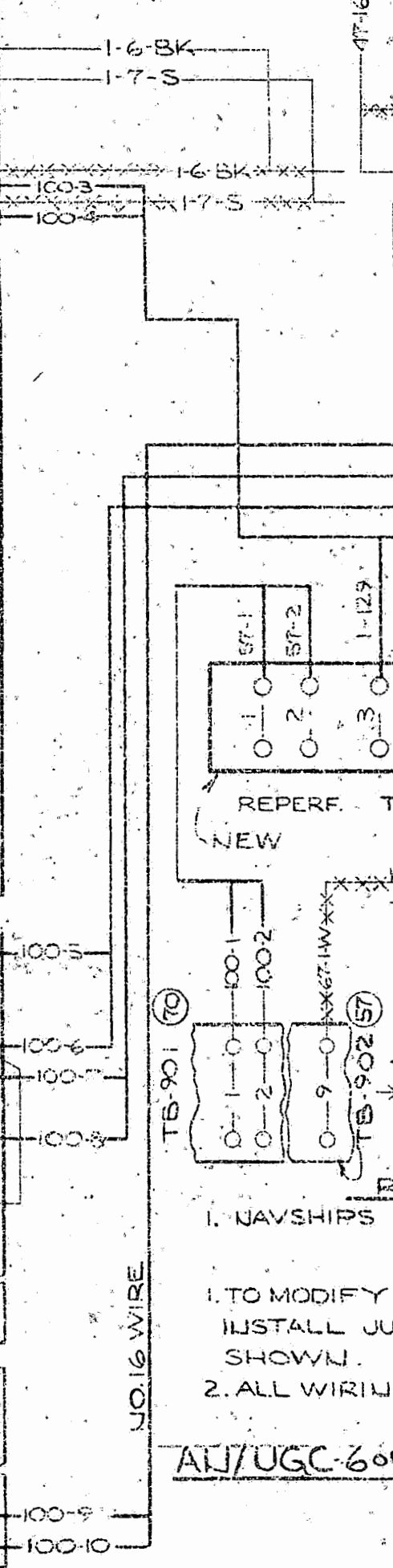


CABINET TERMINAL BOARD

①
 O-124-O
 O-125-O
 O-126-O
 O-127-O
 O-128-O
 O-129-O
 O-130-O
 TB-4252

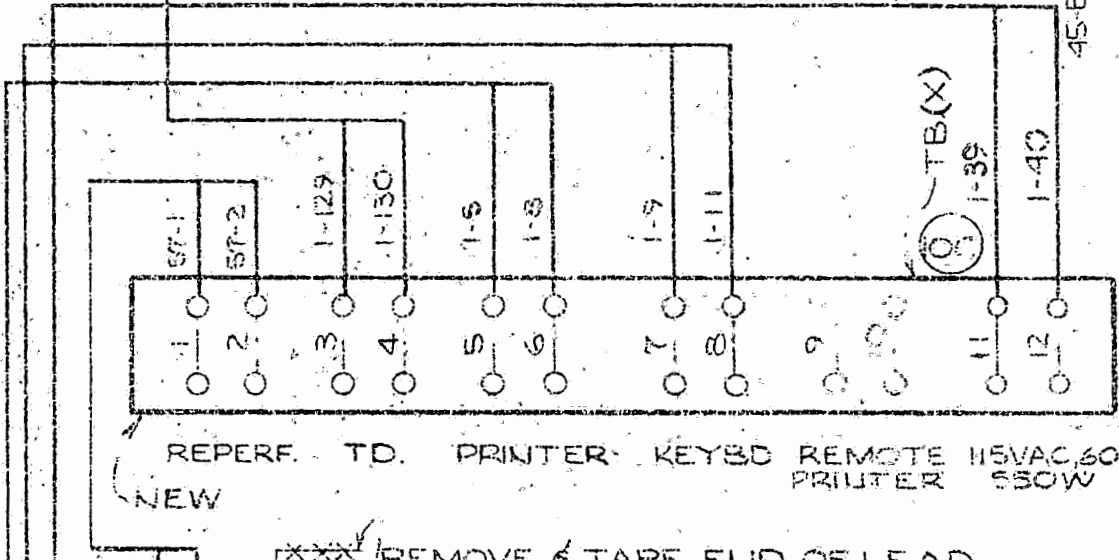
O-131-O
 O-132-O
 O-133-O
 O-134-O
 O-135-O
 O-136-O
 O-137-O
 O-138-O
 O-139-O
 O-140-O
 O-141-O
 O-142-O
 O-143-O
 O-144-O
 O-145-O
 O-146-O
 O-147-O
 O-148-O
 O-149-O
 O-150-O
 TB-4254

O-5-O
 O-6-O
 O-7-O
 O-8-O
 O-9-O
 O-10-O
 O-11-O
 O-12-O
 O-13-O
 O-14-O
 O-15-O
 O-19-O
 O-20-O
 TB-4255
 O-33-O
 O-34-O
 O-35-O
 O-38-O
 O-39-O
 O-40-O



⑦
 TB-901
 O-9-O
 O-8-O
 O-7-O
 O-6-O
 O-5-O
 O-4-O
 O-3-O
 O-2-O
 O-1-O

TERM. BOARD
 TB-801 ⑥
 O-9-O
 O-8-O
 O-7-O
 O-6-O
 O-5-O
 O-4-O
 O-3-O
 O-2-O
 O-1-O
 1-8-G
 REMOVE & TAPE END OF LEAD
 45-BJO-1B1R-XXXXXX



LEGEND
 ——— NEW
 XXX REMOVE OR RELOC.

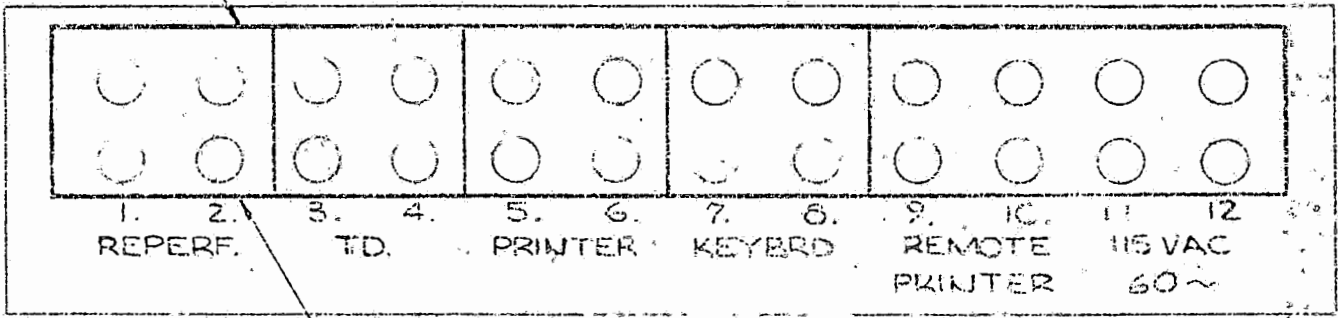
REF.
 1. NAVSHIPS 93534 FIG. 270

NOTE
 1. TO MODIFY AN/UGC-6016 INDIVIDUAL FUNCTIONS
 INSTALL JUMPERS & REMOVE OR RELOC. LEADS AS
 SHOWN.
 2. ALL WIRING TO BE NO. 16 EXCEPT AS NOTED.

AN/UGC-6016 SPLIT KEYBOARD

BUSHIPS DRAWING NO.			REV.
STD.	404	SK1664336	R
PLAN	56700		
SHEET 99			

STOCK NO. N5940-109-2597



TERMINAL BLOCK

DETAIL 'A'

(NEW) REPERF. TD PRINTER KEYBOARD 3RCC(A)9 3RCC(A)10 115VAC

0	0	0	0	0	0	0	0	0	0	0	0
1	2	3	4	5	6	7	8	9	10	11	12
0	0	0	0	0	0	0	0	0	0	0	0

MCO52
3RCC(A)

3RCC(A)1
3RCC(A)2
3RCC(A)3
3RCC(A)4
3RCC(A)5
3RCC(A)6
3RCC(A)7
3RCC(A)8
3RCC(A)9
3RCC(A)10

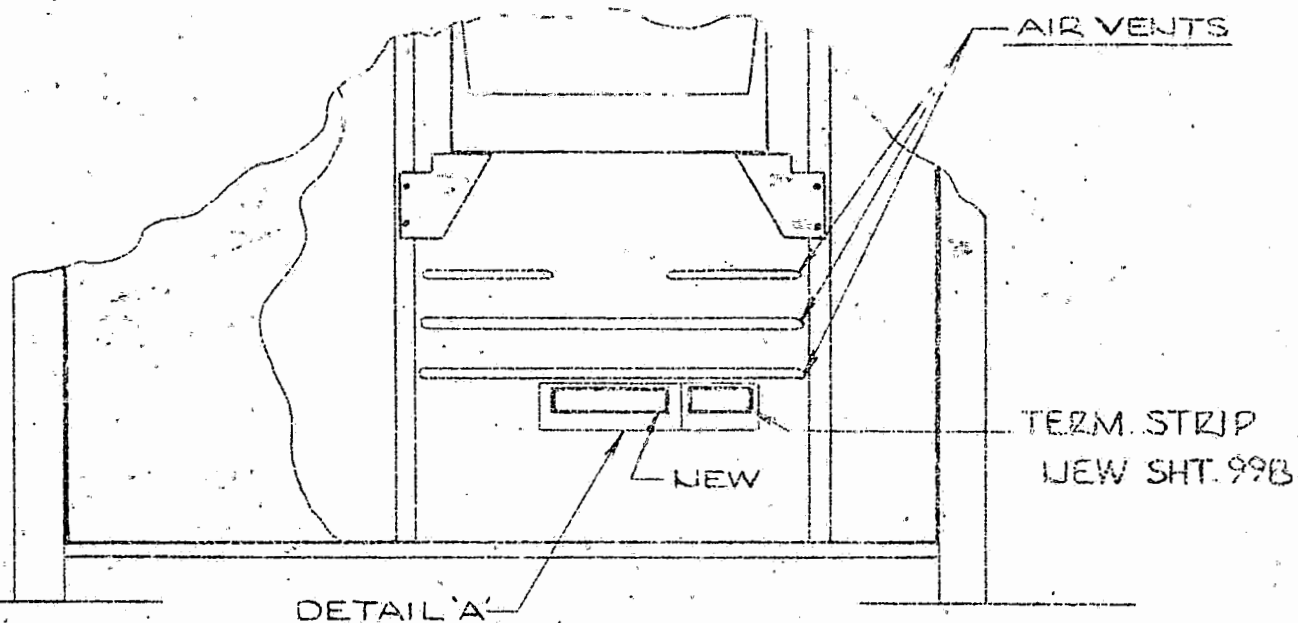
3R-RC()

TTRSA-6 OR 4

TTY
MACH
AS
REQ'D

TO 115VAC, 60, 10
550W TCOP-2

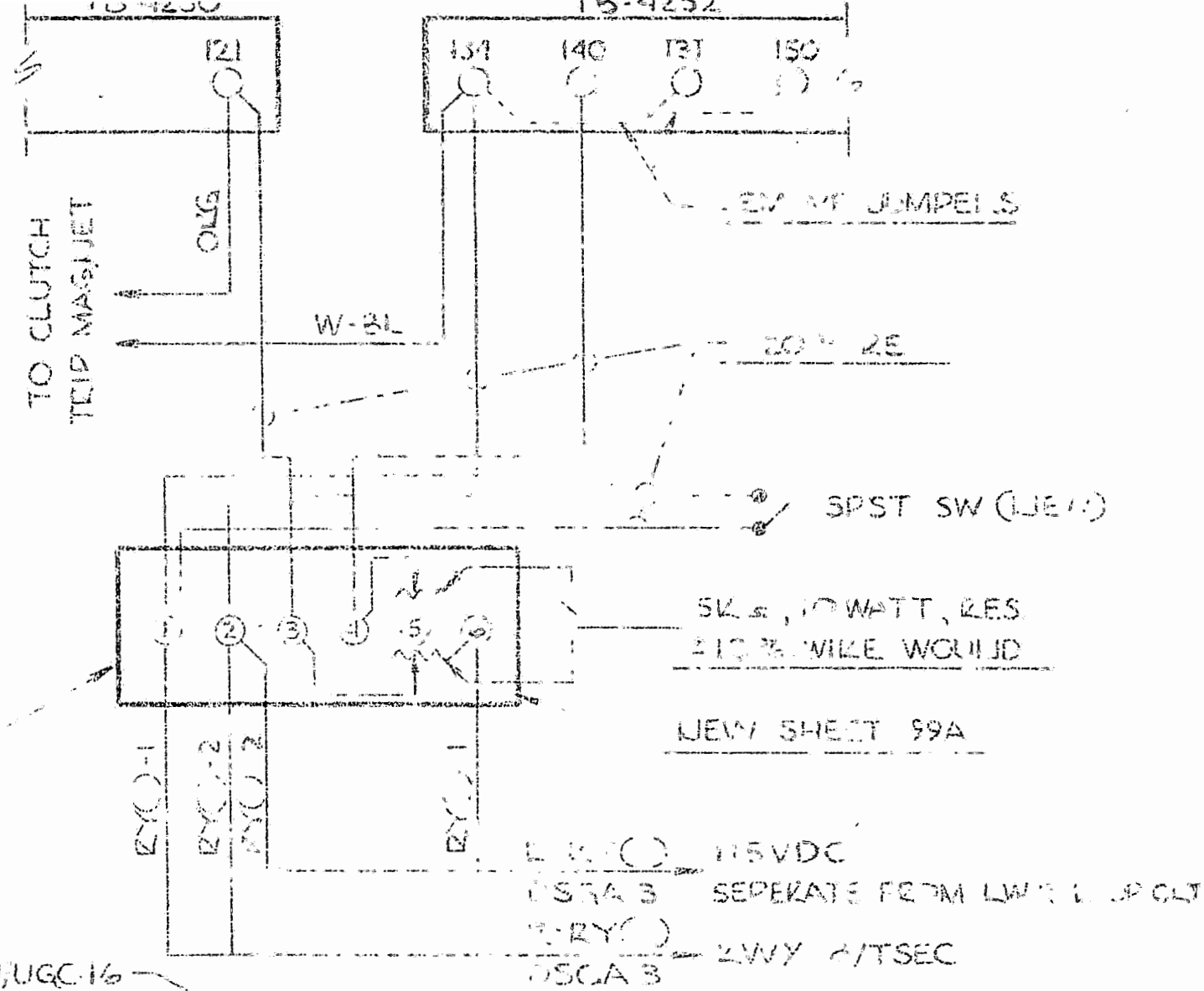
TT-23, SB-1203 OR
SB-1210 TTY PUL



PARTIAL VIEW OF AN/UGC-6 OR ALI/UGC-16
(FRONT)

BUSHIPS DRAWING NO.			REV.
STD.	404	SK1664336	R
PLAN.	S6700		
SHEET 99A			

TERM ST/ID F5 STOCK # 99 310 124 530

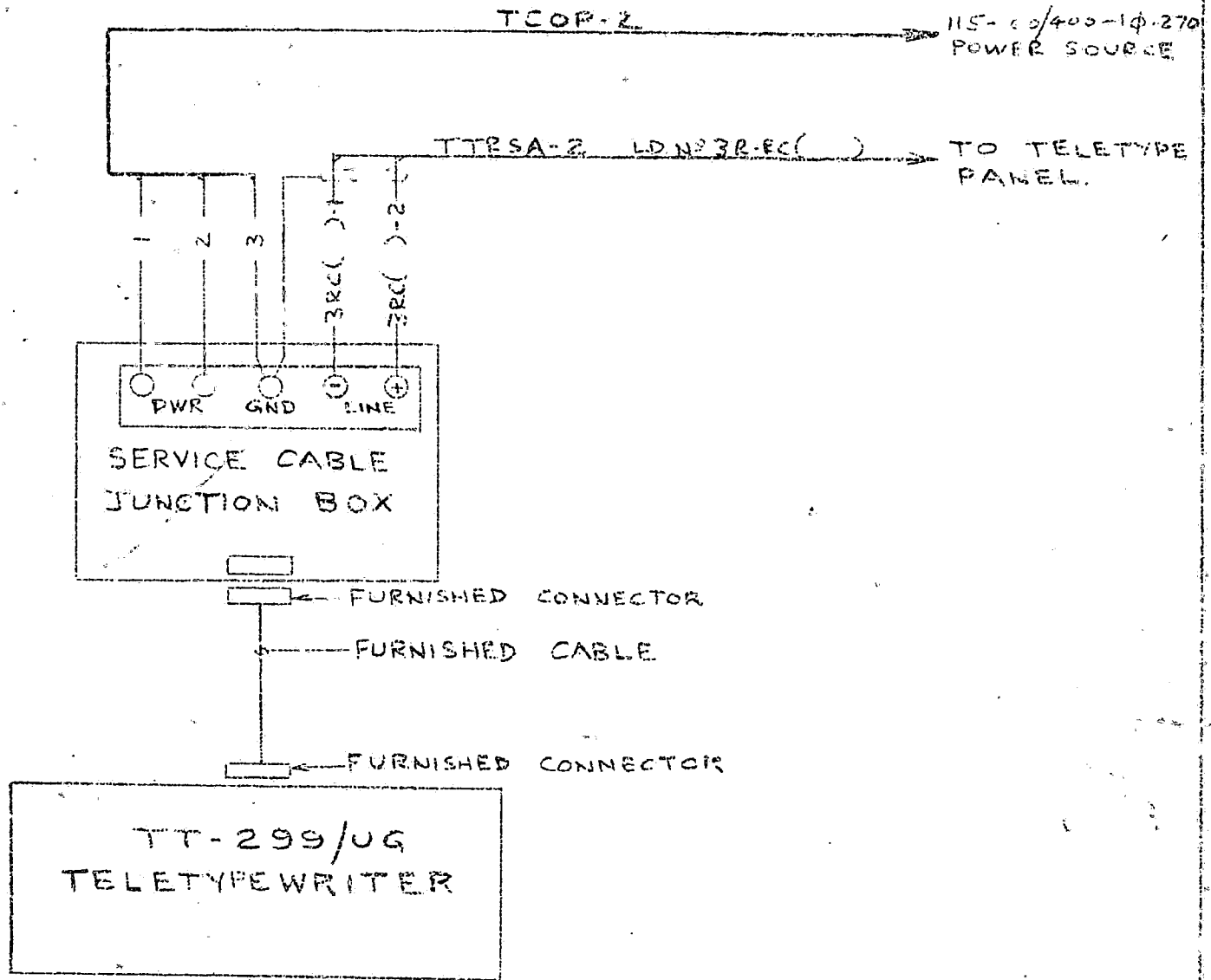


NEW SPST SWITCH =

1. MODIFICATION TO AUJUGC-16 FOR TO RYED STEPPING OPERATION AFTER EQUIP. HAS BEEN MODIFIED IN ACCORDANCE WITH SHT'S 99 ' 99A
2. ADJUST 5K RESISTOR FOR 50 MA CURRENT

BUSHIPS DRAWING NUMBER		REV
STD	404	SK 1664336
PLAN	56700	
SHEET 99B		R

TT-299/U TELETYPEWRITER

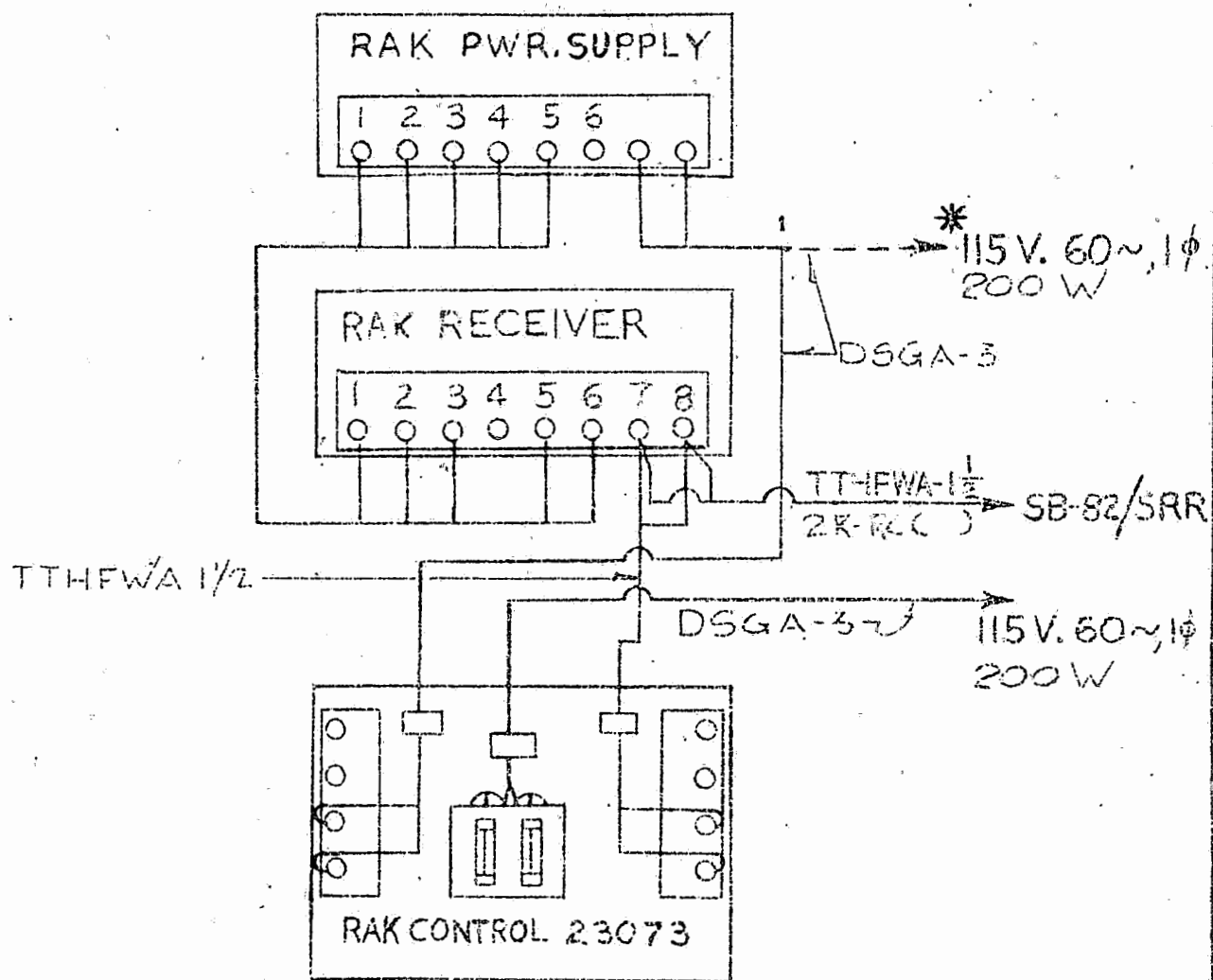


RE 67 H 2325
 RE 67 D 2326
 HD. 80 WATTS
 WT 41 $\frac{3}{8}$ LBS

AMBIENT TEMPERATURE LIMITS:
 MINUS 55°C (-67°F) TO PLUS 55°C (+131°F)

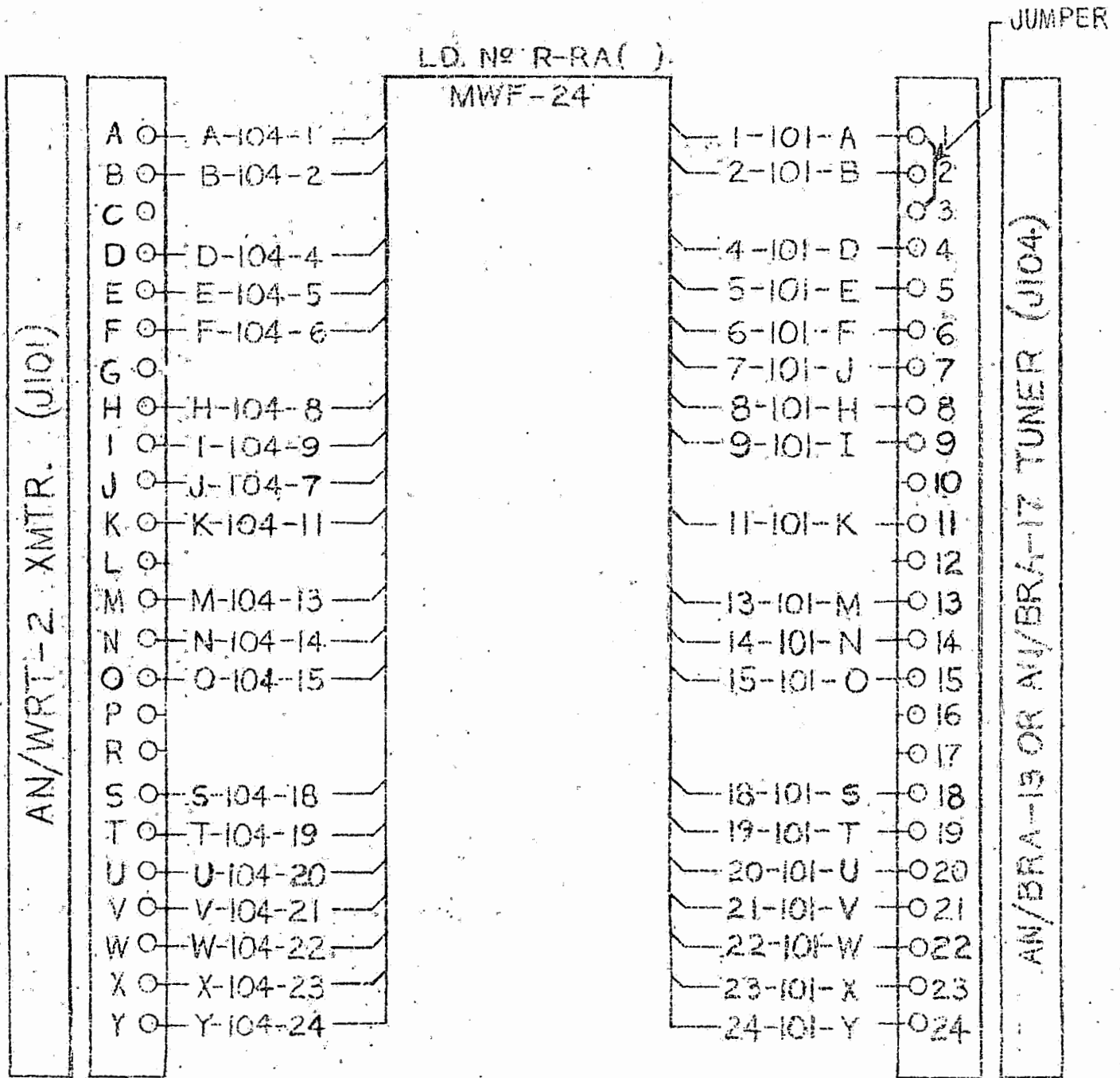
BUSHIPS DRAWING NO.	REV
STD 404	
PLAN S6700-SK1664336	
SHEET NO. 100	

* ALTERNATE PWR. WHEN RAK CONTROL NOT USED



BUSHIPS DRAWING No			REV.
STD.	404	5K-1654336	R
PLAN	56700		
SHEET 101			

PIN CONNECTIONS WHEN
C-1360/SRT CONTROL MONITOR IS
NOT USED.



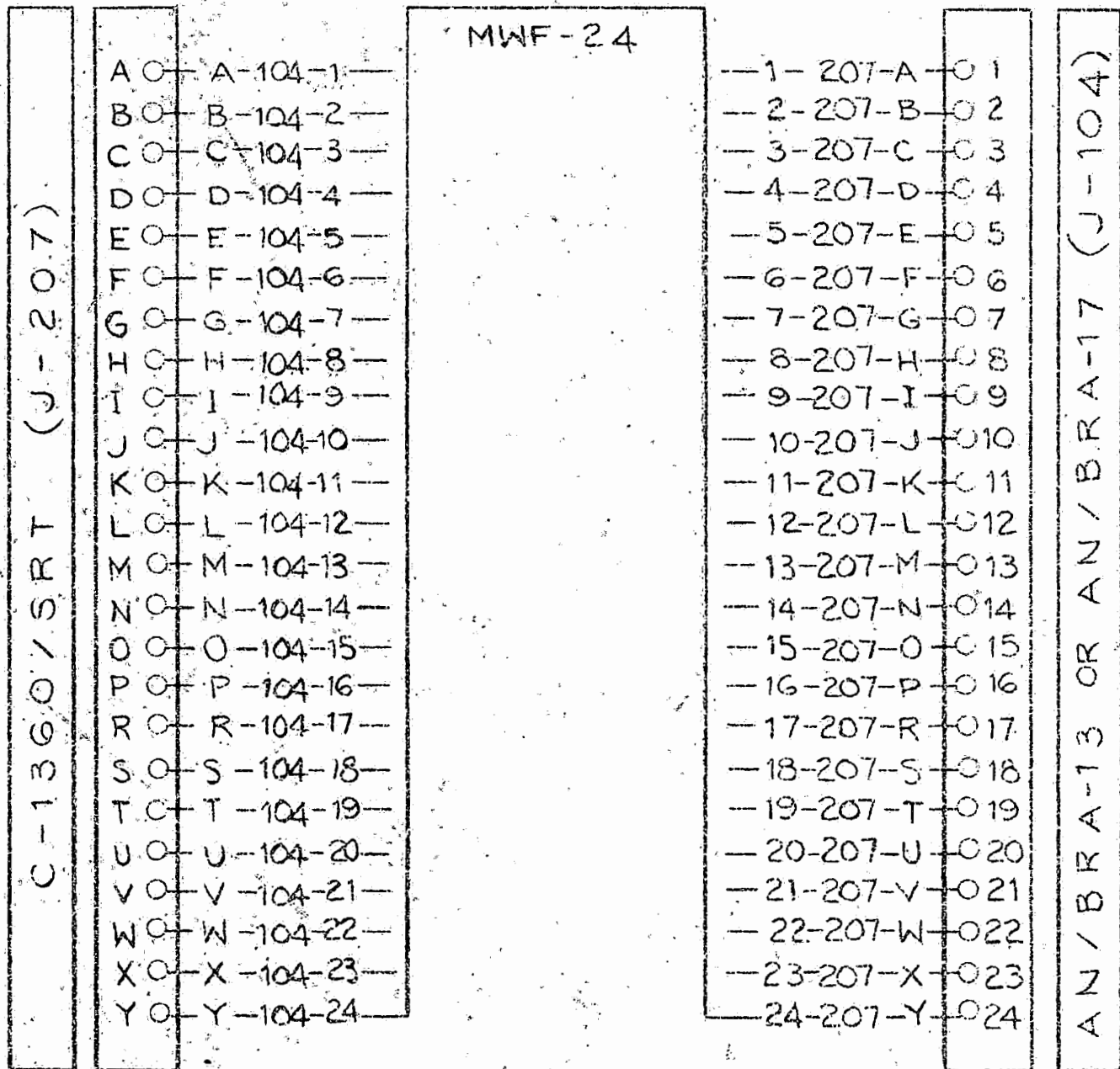
PI01 M53106A-32-7P

PI04 SYMBOL 713.4
 BUSHIPS DWG. 815 F 1197004
 (PLUG TO BE MOLDED)

BUSHIPS DRAWING No		REV.
STD. PLAN	404 56700	SK-1664336 R
SHEET 102		

PIN CONNECTIONS WHEN
C-1360/SRT CONTROL MONITOR IS
USED.

LD. N° R-RA ()



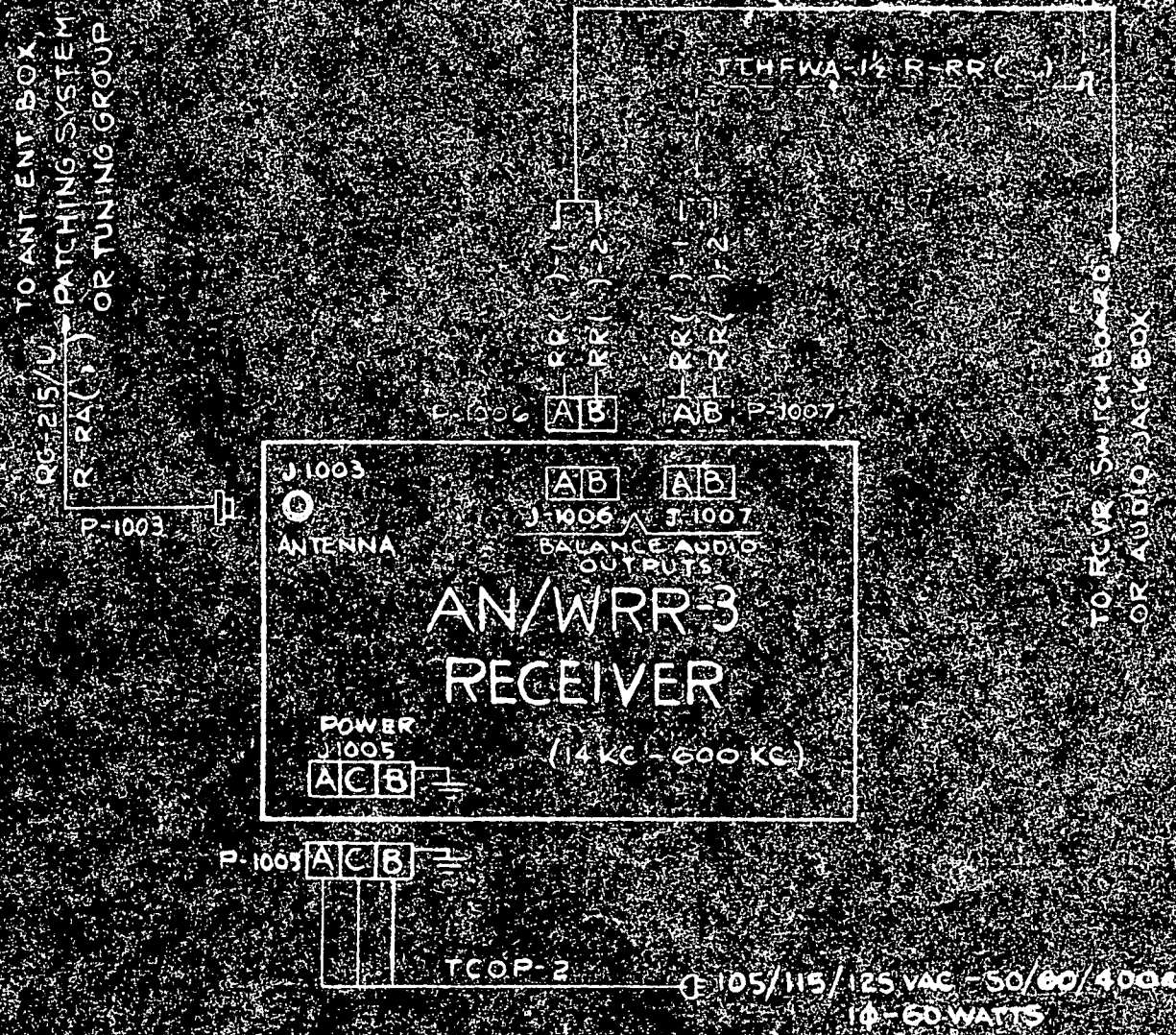
P-207
MS 3108E-32-8P
CONNECTOR

P-104
SYMBOL 713.4

BUSHIPS DWG. 815F1197004
(PUG TO BE MOLDED)

BUSHIPS DRAWING N°			REV.
STD.	404	SK-1664336	R
PLAN	36700		
SHEET 103			

FOR BALANCED AUDIO
DISTRIBUTION SYSTEM
TTHFWA-1/2 R-RR()

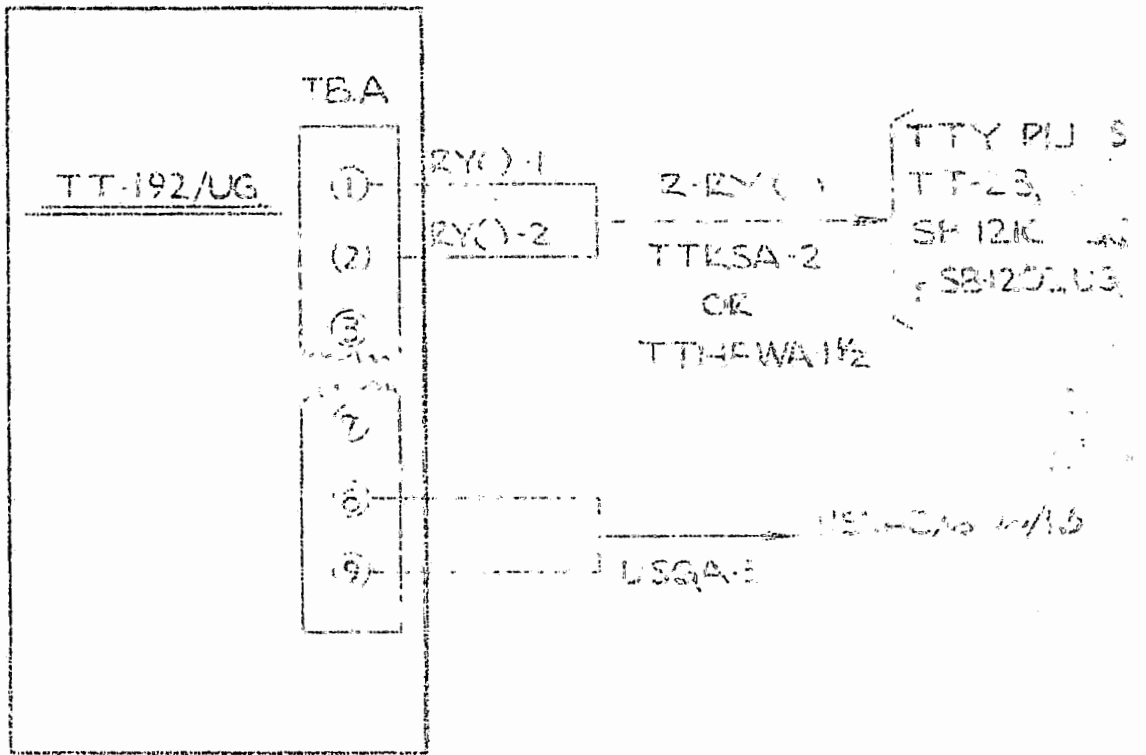


NAVSHIPS 94543
H.D. 50 WATTS
WT. 69.5*

ALL CONNECTORS SUPPLIED (WITH EXCEPTION OF POWER PLUG)

- P 1003 - UG 218/U
- P 1005 - AN3106A-16S-5S WITH AN 3057-8 CLAMP
- P 1006 & P-1007 - AN3106A-10SL-4S WITH 3057-4 CLAMP

BUSHIPS DRAWING NO		REV
STD	404	SK-1664336
PLAN	56700	
SHEET 10/4		



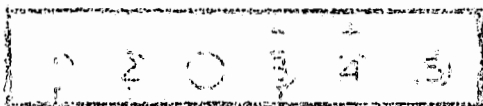
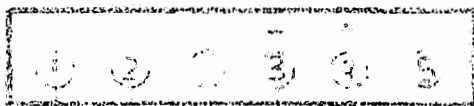
ZE 67 D 2172
 H.D. -
 WEIGHT -

TT-192/UG
 REPERFORATOR TELETYPEWRITER

BUSHIPS DRAWING NUMBER			REV
STD	404	SK 1664336	R
PLAN	S6700		
SHEET 105			

PP-3495 LIO 1

PP-3495 LIO 2

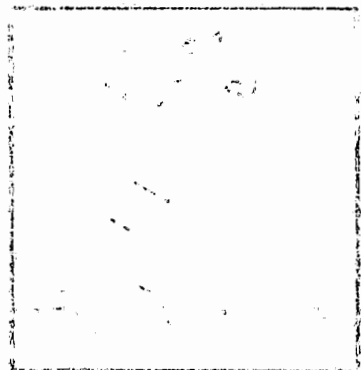


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11 PUS
TT-23, 16, 18 LIO 1
SS-123 1, 16

BUSHIPS DRAWING NUMBER		REV.
STD	404	R
PLAN	56700	
SHEET 106		

R-633/SRD-7 RECEIVER

E-1107	
SR300	N-SR-30
SR660	P-SR-66
ST82	K-ST-82
ST88	Q-ST-88

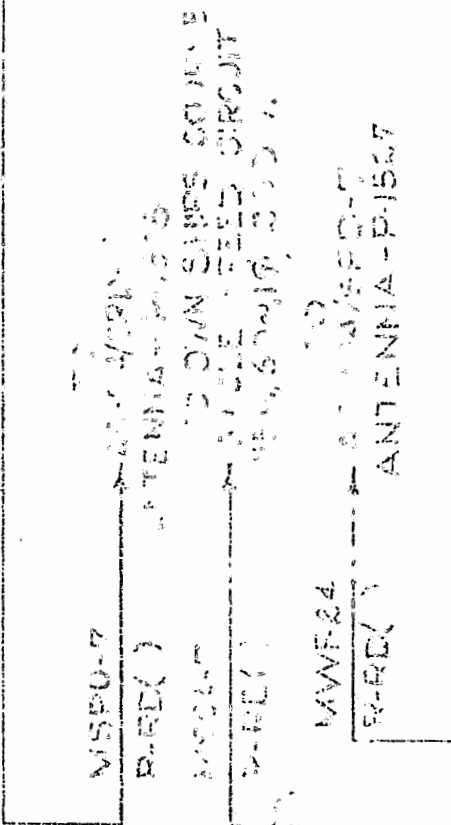
E-1108	
SF52	S-SF-52
SF55	A-SF-55
SG53	Q-SG-53
SG55	R-SG-55

E-1109	
SA700	(SPARE) E-SA70
SA770	(SPARE) E-SA77

E-1110	
SB80	NC
SB80	B-SB-80

E-1111	(SPARE) SB72
SB77	(SPARE) A-SB77
SB78	

E-1112	
161A	
163A	



S-871	E-1101
R-875	O-871
P-86	O-872
U-85	O-861
F-866	O-855
K-869	O-864
	O-869

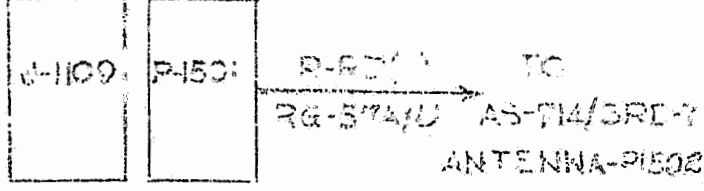
X-800	E-1103
W-801	O-800
V-808	O-801
U-804	O-803
T-805	O-804
S-807	O-805
	O-807

P-809	E-1104
	O-809
	O-801
	O-802
P-73 (SPARE)	O-803
	O-804
	O-805
	O-807

H-907	E-1105
E-906	O-907
H-905	O-906
X-894	O-905
T-78 (SPARE)	O-894
E-79 (SPARE)	O-78
	O-79

M-911	E-1102
N-918	O-911
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MAIN
CHIPS POWER
115 V AC 100-350 W



BUSSHIPS DRAWING NO		REV
STD.	405	
PLAN	5670	16-114-553
SHEET 17		R

R-RD')

TO R-633/SRD-7 RUVR.

MINI-24

R-414

MS-10-7

TO R-633/SRD-7 RUVR.

P-1522

P-1526

R-414

R-5747

J-1216

P-1522

E-1101 241

P-1527

J-1215

E-1105 307

E-1105 336

E-1101 352

E-1105 375

E-1101 384

E-1101 401

E-1101 428

E-1102 311

E-1102 318

E-1102 325

E-1102 332

E-1101 343

E-1101 351

E-1103 305

E-1103 312

E-1103 319

E-1103 326

E-1103 333

E-1105 347

E-1105 354

E-1104 361

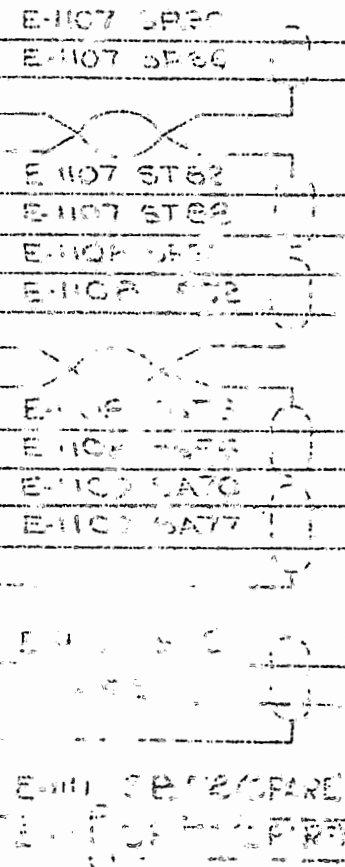
E-1104 368

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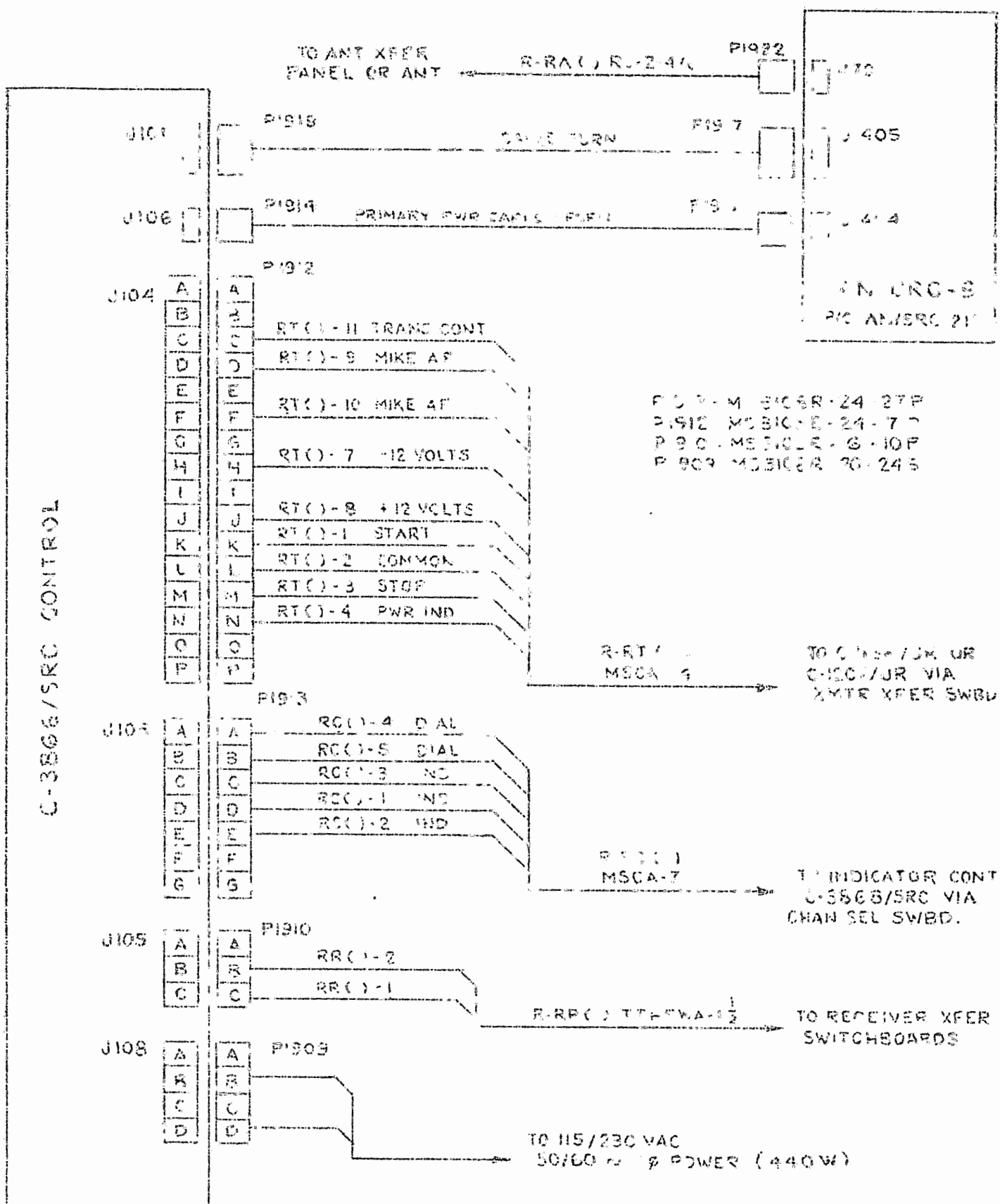
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AS-714/SRD-7
ANTENNA

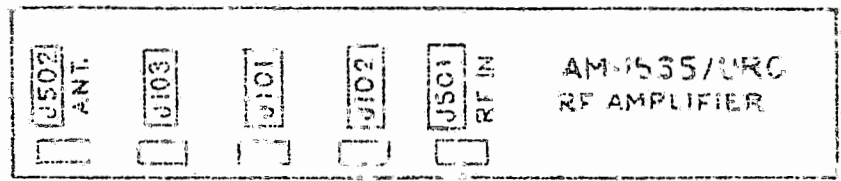
BUSHIPS DRAWING №		REV.
STL.	A J	R
PLAN	56700	
SHEET 177A		



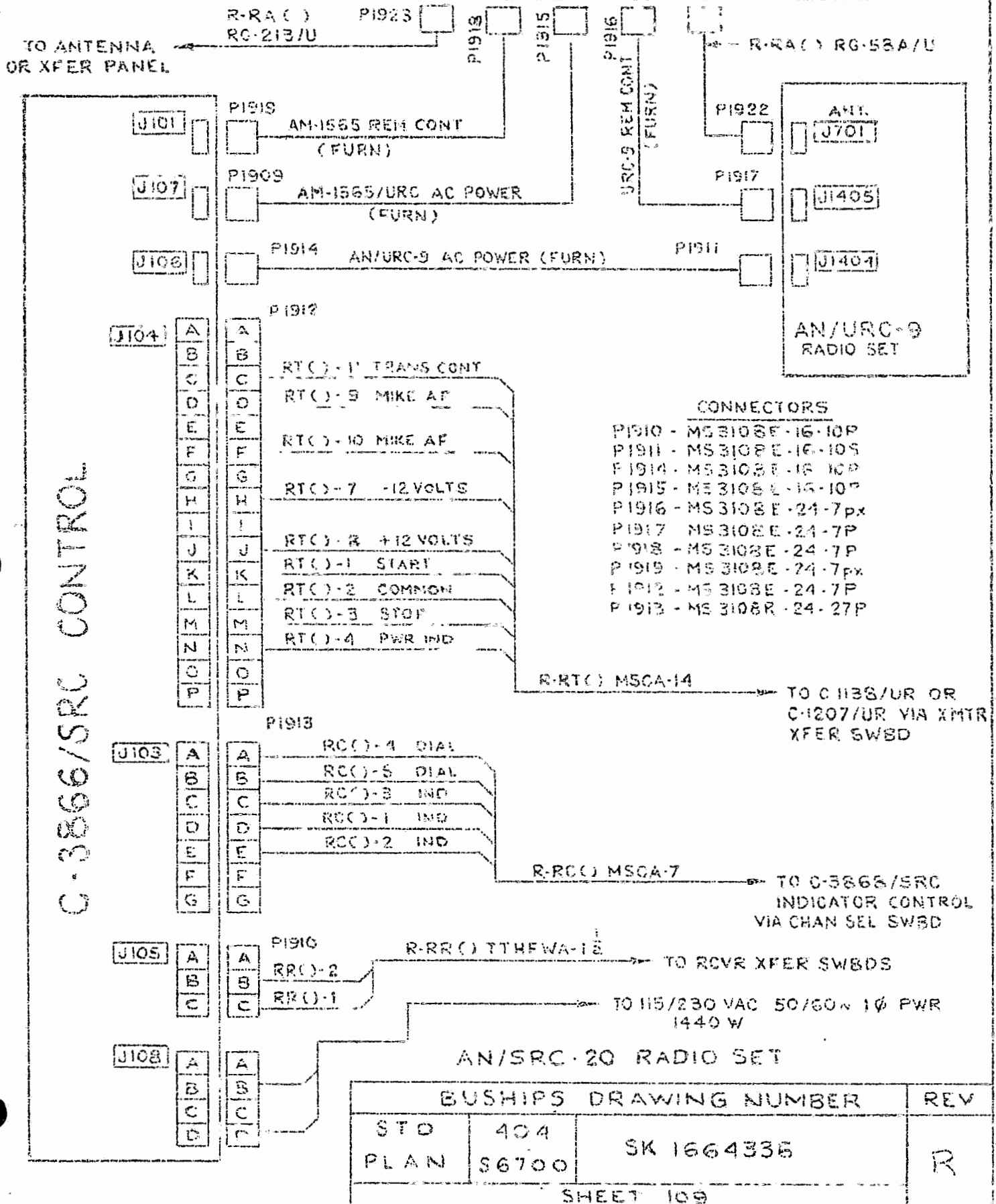
P 30 - M 310SR-24-27P
 P 312 - M 310E-24-77
 P 30 - M 310L-6-10P
 P 309 - M 310SR-20-245

AN/SRC-21 RADIO SET

BUSHIPS DRAWING NUMBER		REV
STD	404	SK 1664786
PLAN	S6700	
SHEET 08		R



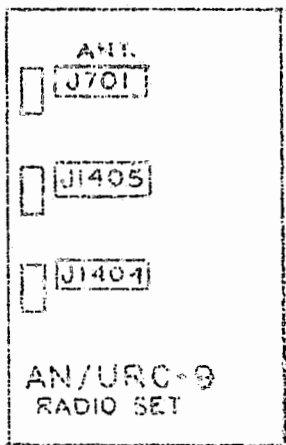
AM-1555/URC
RF AMPLIFIER



C-3866/SRC CONTROL

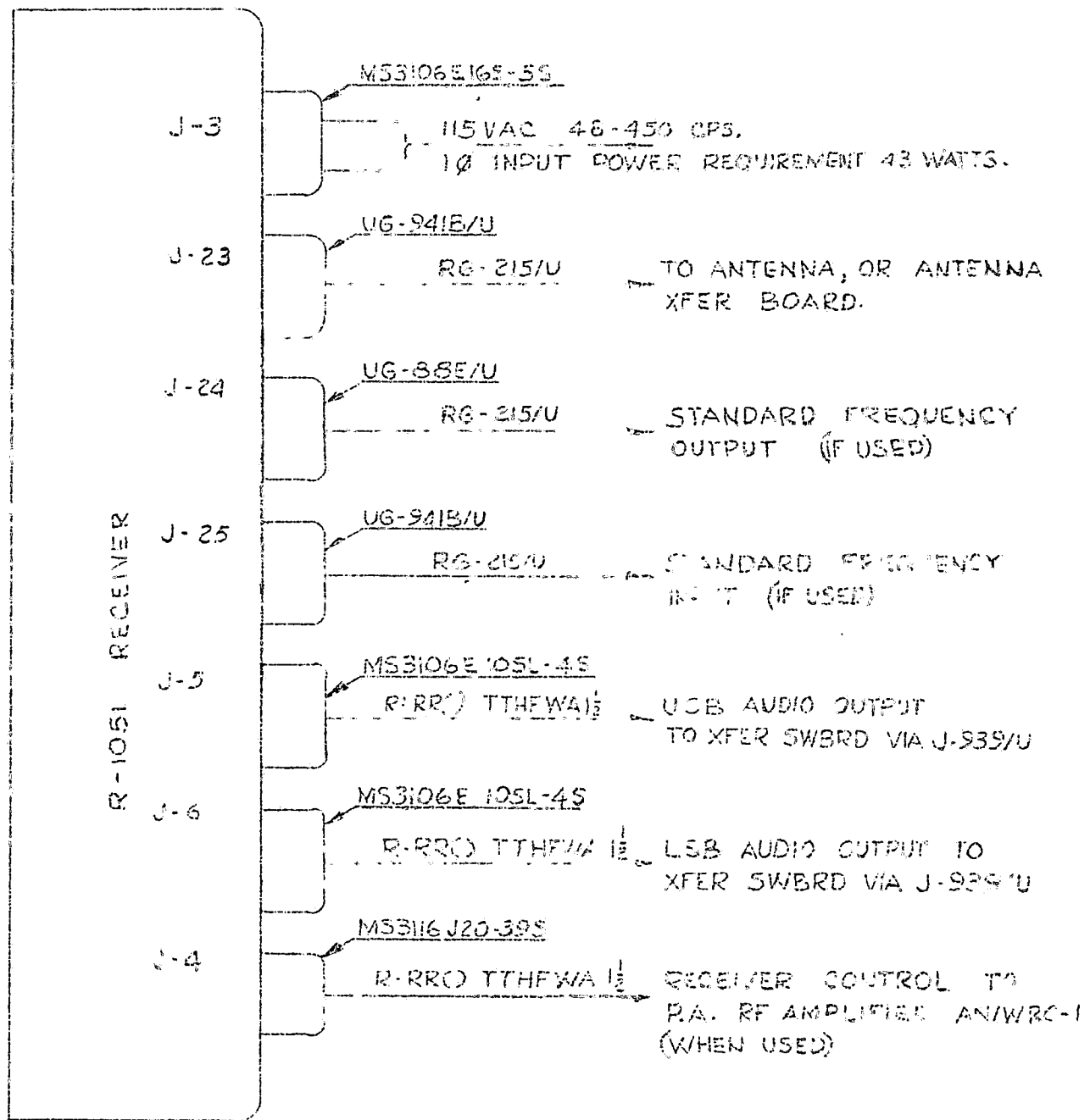
CONNECTORS

- P1910 - MS3108E-16-10P
- P1911 - MS3108E-16-10S
- P1914 - MS3108E-16-10P
- P1915 - MS3108E-16-10P
- P1916 - MS3108E-24-7px
- P1917 - MS3108E-24-7P
- P1918 - MS3108E-24-7P
- P1919 - MS3108E-24-7px
- P1912 - MS3108E-24-7P
- P1913 - MS3108R-24-27P



AN/URC-9
RADIO SET

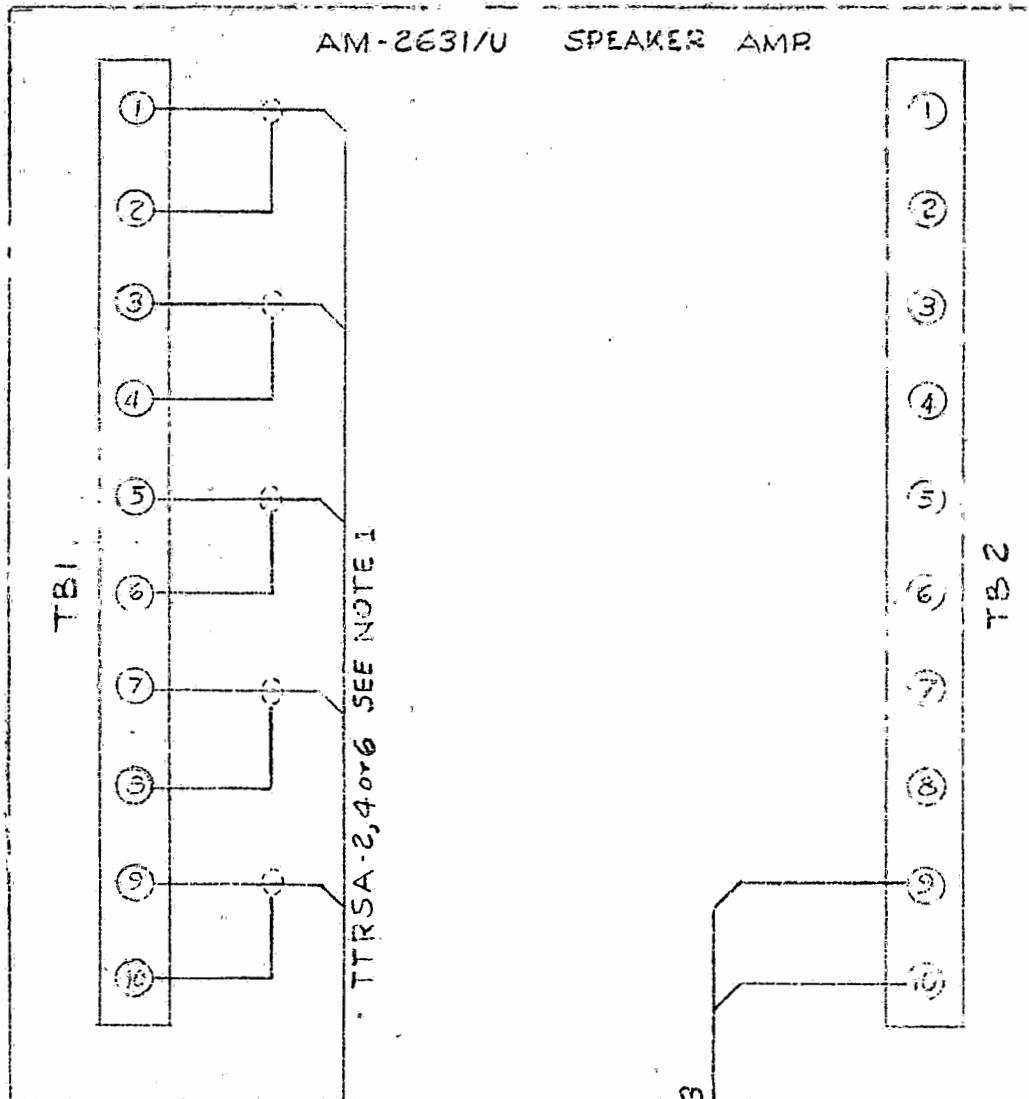
BUSHIPS DRAWING NUMBER		REV
STD	404	
PLAN	S6700	SK 1664335
SHEET 109		R



R-1051/URR RECEIVER

51545		REV
STD	40	R
PLAN	1664300	
-455-10		

AM-2631/U SPEAKER AMP



TO REC. XFER BOARD
OR REMOTE CONTROL
UNIT. (EQUIP)

TO 115V AC 60 2
1Ø @ 10 WATTS.

NOTE:

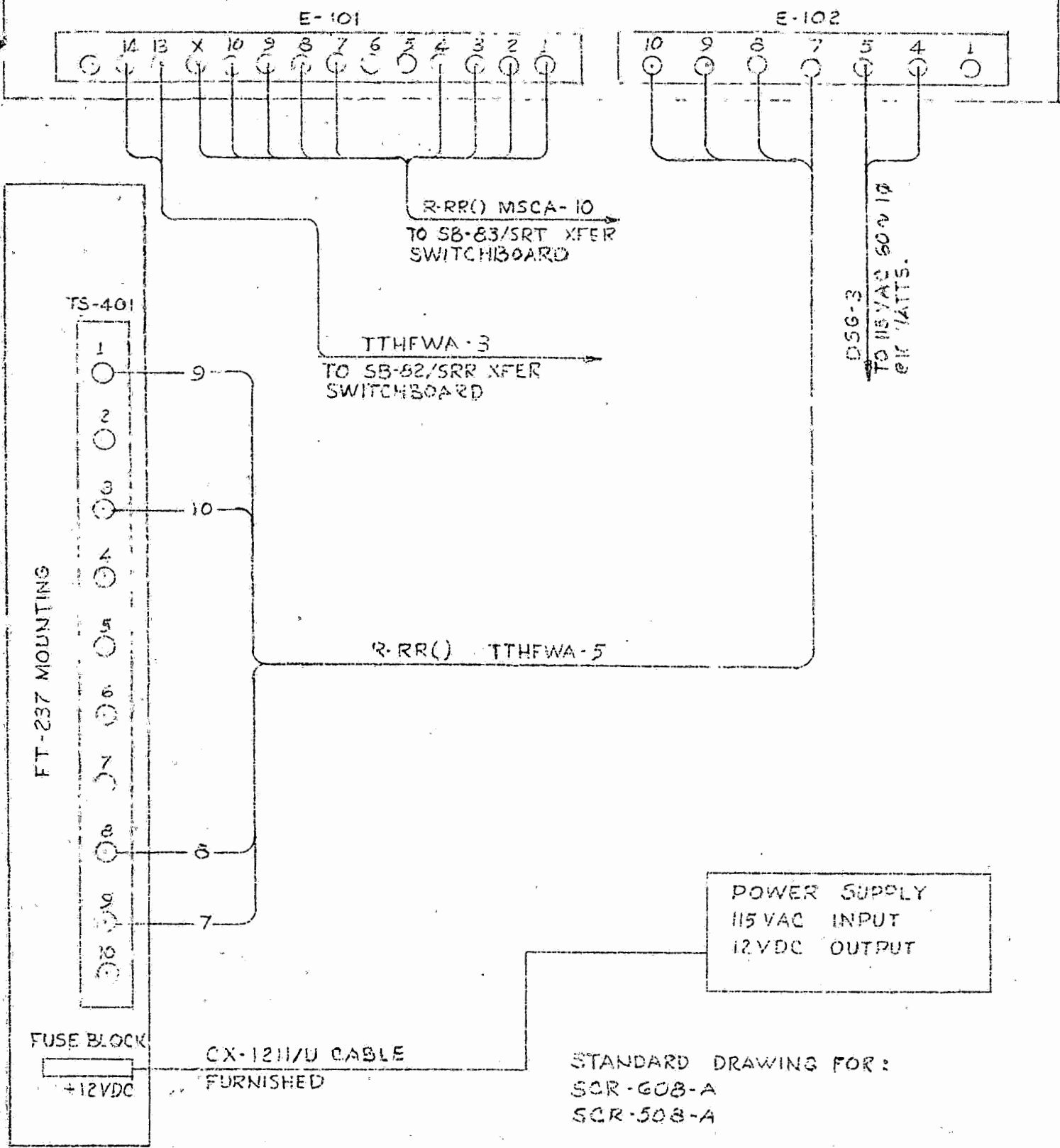
1. USE TTRSA-2,4 OR 6
DEPENDING ON HOW
MANY INPUTS WILL
BE USED - FIVE MAX.

AM-2631/U SPEAKER AMPLIFIER

NUMBER OF INPUTS - 5
POWER OUTPUT - 5 WATTS
INPUT IMPEDANCE - 6,000 OHMS
WEIGHT - 20 LBS.
HEAT DISP. - 1 WATT

BUSHIPS DRAWING NO		REV
STD.	404	R
PLAN	56790	
SK-1664330		
SHEET III		

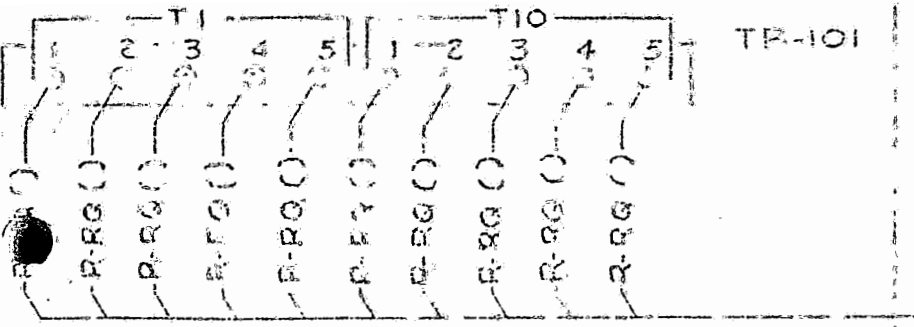
MX-1936/SPO CONTROL



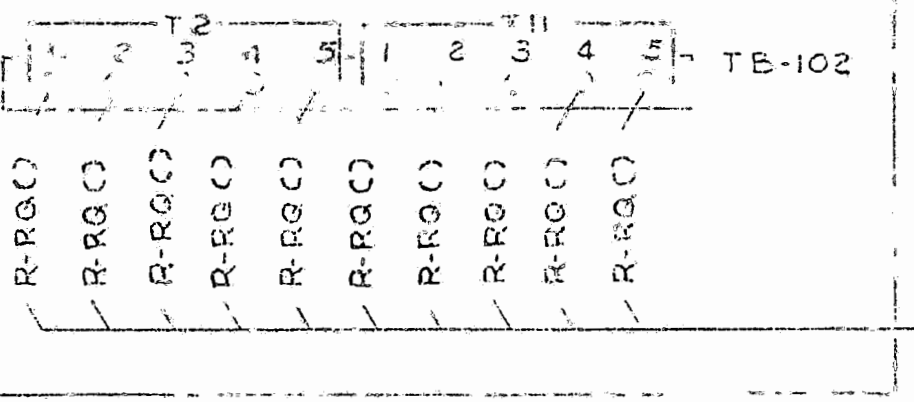
POWER SUPPLY
115 VAC INPUT
12 VDC OUTPUT

STANDARD DRAWING FOR:
SCR-608-A
SCR-508-A

BUSHIPS DRAWING NUMBER		SK1664336	R
STD.	404		
PLAN	SG700	SHEET NO. 112	



SA-770/UR



TYPICAL WIRING FOR TB-101 THRU TB-109

TTA-10 R-RG()
TTA-12 R-RG()

TO R-RG() TERMINAL BOX IN C.C.

SA-770/UR
 INPUTS 18
 OUTPUTS 1 HANDSET
 WEIGHT 5.625 LBS.

TYPICAL WIRE CONNECTIONS FOR SA-770/UR CONTROL SWITCH.

BUSHIPS DRAWING NUMBER		REV.
STD	404	S
PLAN	SG700 SK1664336	
SHEET NO 113		