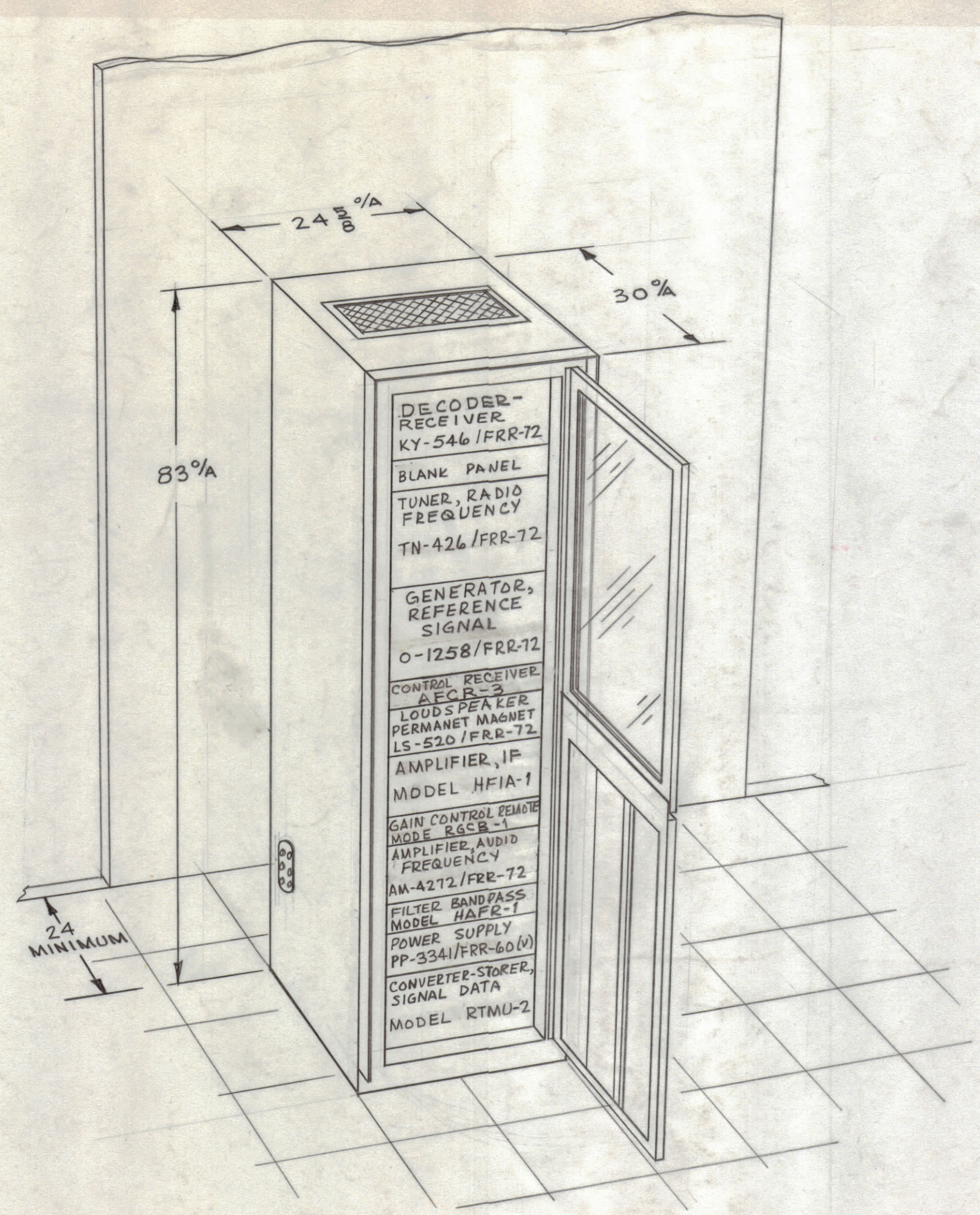


REVISIONS						
SYM	ZONE	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD APPD
A		REVISED	9/27/65		MJT	



TECHNICAL DATA

POWER INPUT:	1000 W
VOLTAGE:	115/230 VAC
PHASE:	1Ø
FREQUENCY:	50/60 CPS
HEAT DISSIPATION:	1000 W, BTU 3400/HR
AMBIENT TEMP RANGE:	0 TO 50°C
INTAKE AIR:	500 CFM
RELATIVE HUMIDITY:	0 - 90%
WEIGHT:	878

NOTE

FOR INSTALLATION MATERIAL  
SEE SHEET 5

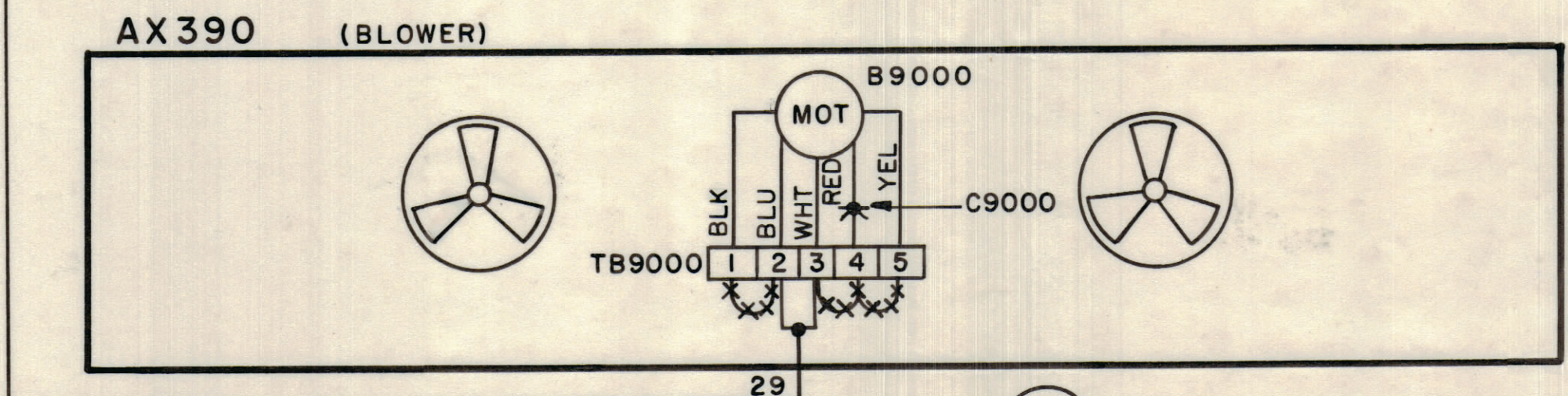
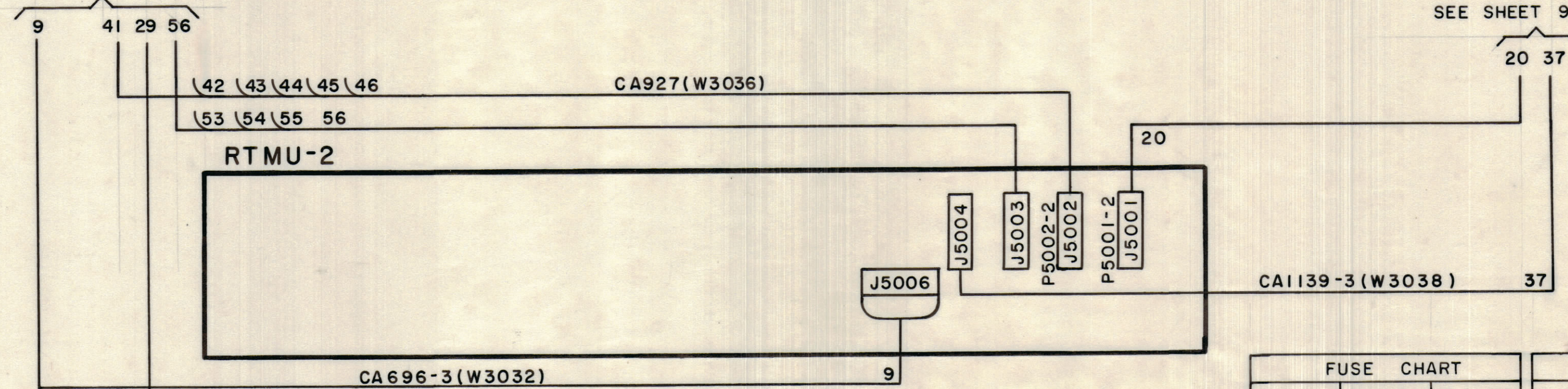
QTY REQ	ITEM	PART NO.	DESCRIPTION	SYMBOL
BILL OF MATERIAL				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES ±1/64 ±.005 ±1/2°				
FINAL APPROVAL		DATE	THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
<i>[Signature]</i>		5-13-65		
MECH. DES.		DATE		
<i>[Signature]</i>				
ELECT. DES.		DATE	RECEIVING SET, RADIO, MODEL DDR-5BR ISOMETRIC VIEW AND POWER REQUIREMENTS	
<i>[Signature]</i>		5-13-65		
CHECKED		DATE		
<i>[Signature]</i>		5-13-65		
DRAWN		DATE		
M. TANTILLO		4-30-65		
APPROVED FOR BUSHIPS		CODE	SIZE	DWG. NO.
		82679	C	ID-329
CONTRACT NO.		SCALE		ISSUE
N600(63133-11-126)63002		NONE		A
			SHEET 1 OF 5	

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.

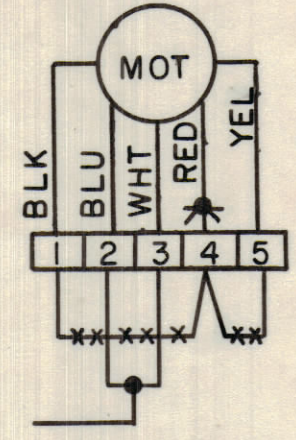
REVISIONS							
SYM	ZONE	DESCRIPTION	DATE	E.M.N.	DRAFT	CHKD	APPD

SEE SHEET 9 OF 10

SEE SHEET 9 OF 10



FOR 230V OPERATION OF BLOWER  
 1 - REMOVE JUMPERS FROM BETWEEN  
 TERMINALS 1 AND 2 , 3 AND 4.  
 2 - ADD JUMPER BETWEEN TERMINALS  
 1 AND 4 AS SHOWN AT RIGHT.

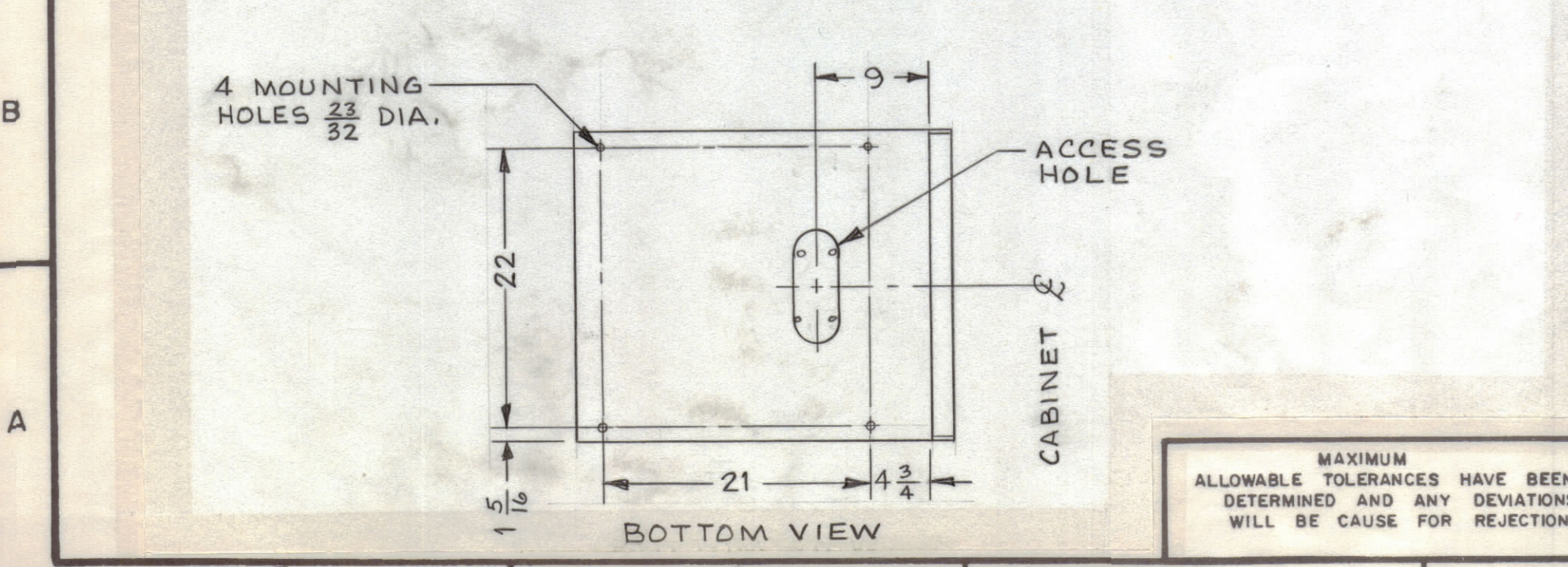
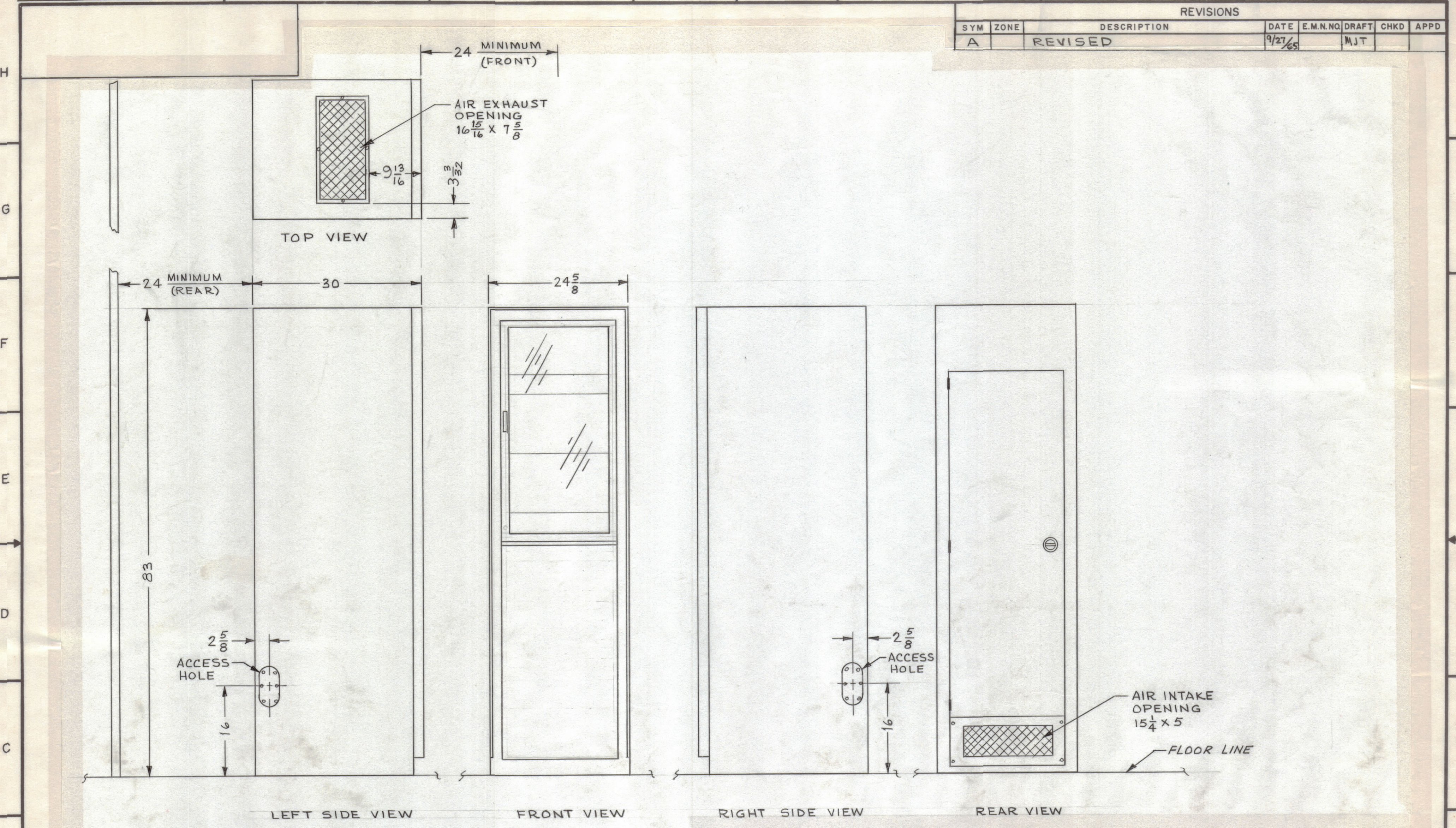


FUSE CHART			FUSE CHART		
UNIT	SYMBOL	IIS 50/60	UNIT	SOMMBOL	IIS 50/60
PP-3341/ FRR-60(v)	F8001	15A	RTMU-2	F5001	1.5A
	F8002	15A	RTMU-2	F5002	1.5A
	F8003	4A	RTMU-2	F5003	4A
	F8004	4A	RTMU-2	F5004	3/10A
	F8005	2A	RTMU-2	F5005	3/10A
	F8006	1/10A	RTMU-2	F5006	1/4A
	F8007	3/4A	RTTD-1	F4001	3A
	F8008	3/4A	RTTD-1	F4002	3A
	F8009	4A	RTTD-1	F4003	3A
	F8010	1/8A	RTTD-1	F4004	.5A
	F8011	15A	RGCB-1	F101	.375A
	F8012	3/8A	RGCB-1	F102	.75A
	F8013	10A	RGCB-1	F103	.75A
	F8014	1/8A			
	F8015	5A			
	F8016	1/4A			
	F8017	8A			
	F8018	1/4A			
	F8019	3/8A			
	PP-3341/ FRR-60(v)	F8020	10A		

NOTE : UNLESS OTHERWISE SPECIFIED  
 1. ALL PLUG AND FANNING STRIP NUMBERS  
 CORRESPOND WITH JACK AND TERMINAL  
 BOARD NUMBERS.  
 2. FOR DDR-5BRI, HAFR-1 IS REPLACED BY THE HAF-1 &  
 LEADS 31,33,53,54,73, & 74 ARE NOT USED.  
 J7204 THRU J7211 ARE NOT ON UNIT.

CONTRACT NO. N600(63133-11-126)63002	EXAMINED		NAVAL SHORE ELECTRONICS ENGINEERING CENTER WASHINGTON, DC			
	TECHNICAL MATERIEL CORP	OFFICIAL			SIGNATURE	
DWG NO. ID-329-10	BR HEAD	PROJ ENG	RECEIVING SET, RADIO, MODEL DDR-5 BR			
APPROVED	DIV DIR	PROJ DIR				
SATISFACTORY TO:	DRAFT SEC	DRAWN	RW	CODE IDENT	SIZE	565
DATE:	FEDERAL SUPPLY CODE 82679	CONTR DRAWING NO. ID-329-10	23	82679	C	
	SCALE: NONE					SHEET 10 OF 10

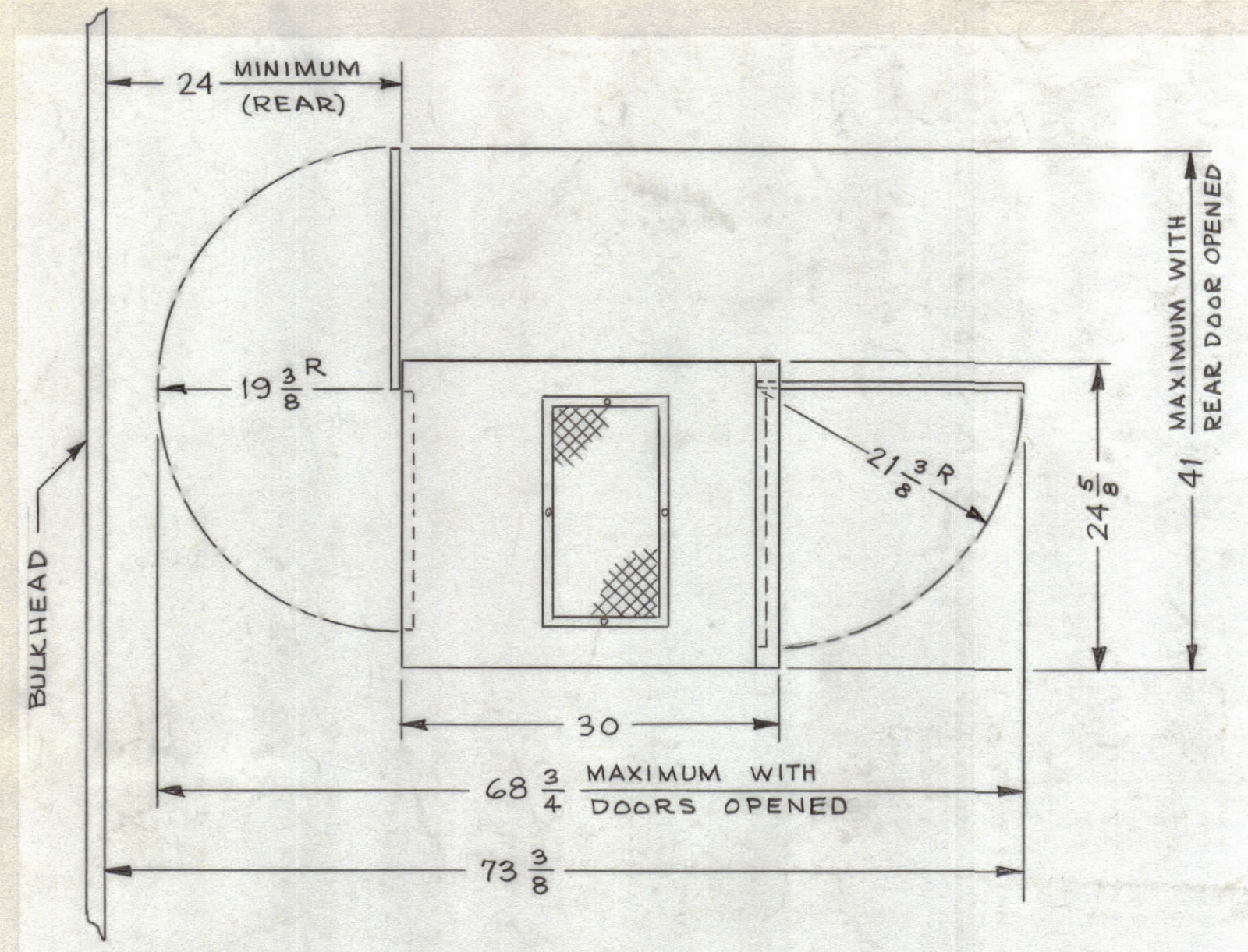
REVISIONS					
SYM	ZONE	DESCRIPTION	DATE	E.M.N.O.	DRAFT
A		REVISED	9/27/65		MJT



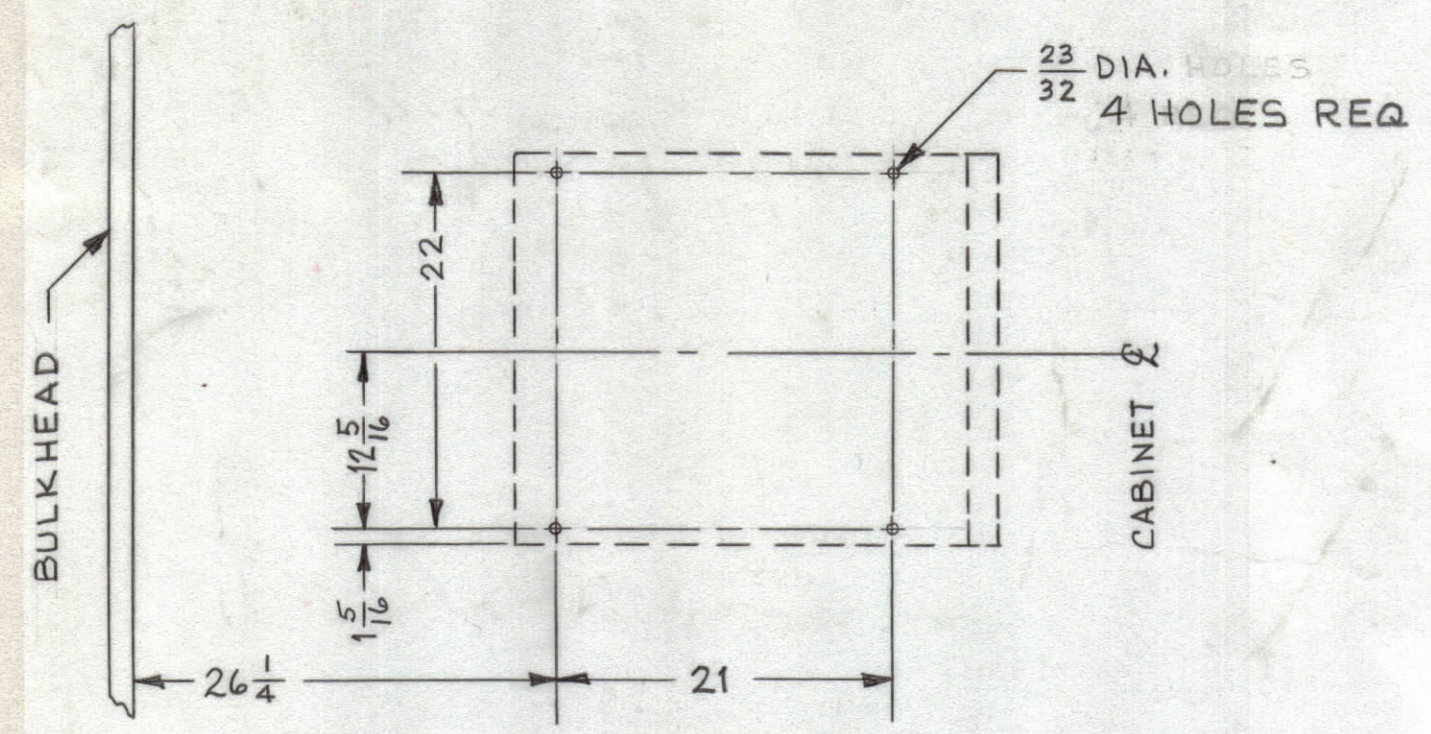
MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.

QTY REQ	ITEM	PART NO.	DESCRIPTION	SYMBOL
BILL OF MATERIAL				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES $\pm 1/64$ $\pm .005$ $\pm 1/2^\circ$			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
FINAL APPROVAL <i>[Signature]</i>		DATE 5/13/65	RECEIVING SET, RADIO, MODEL DDR-5BR ELECTRONIC EQUIPMENT ELECTRONIC REPAIRS	
MECH. DES.		DATE		
ELECT. DES. <i>[Signature]</i>		DATE 5-17-65		
CHECKED <i>[Signature]</i>		DATE 5-23-65		
DRAWN M TANTILLO		DATE 4-30-65		
APPROVED FOR BUSHIPS			CODE 82679	SIZE C
CONTRACT NO. N600(63133-11-126)63002			DWG. NO. ID-329	ISSUE A
SCALE			SHEET 2 OF 5	

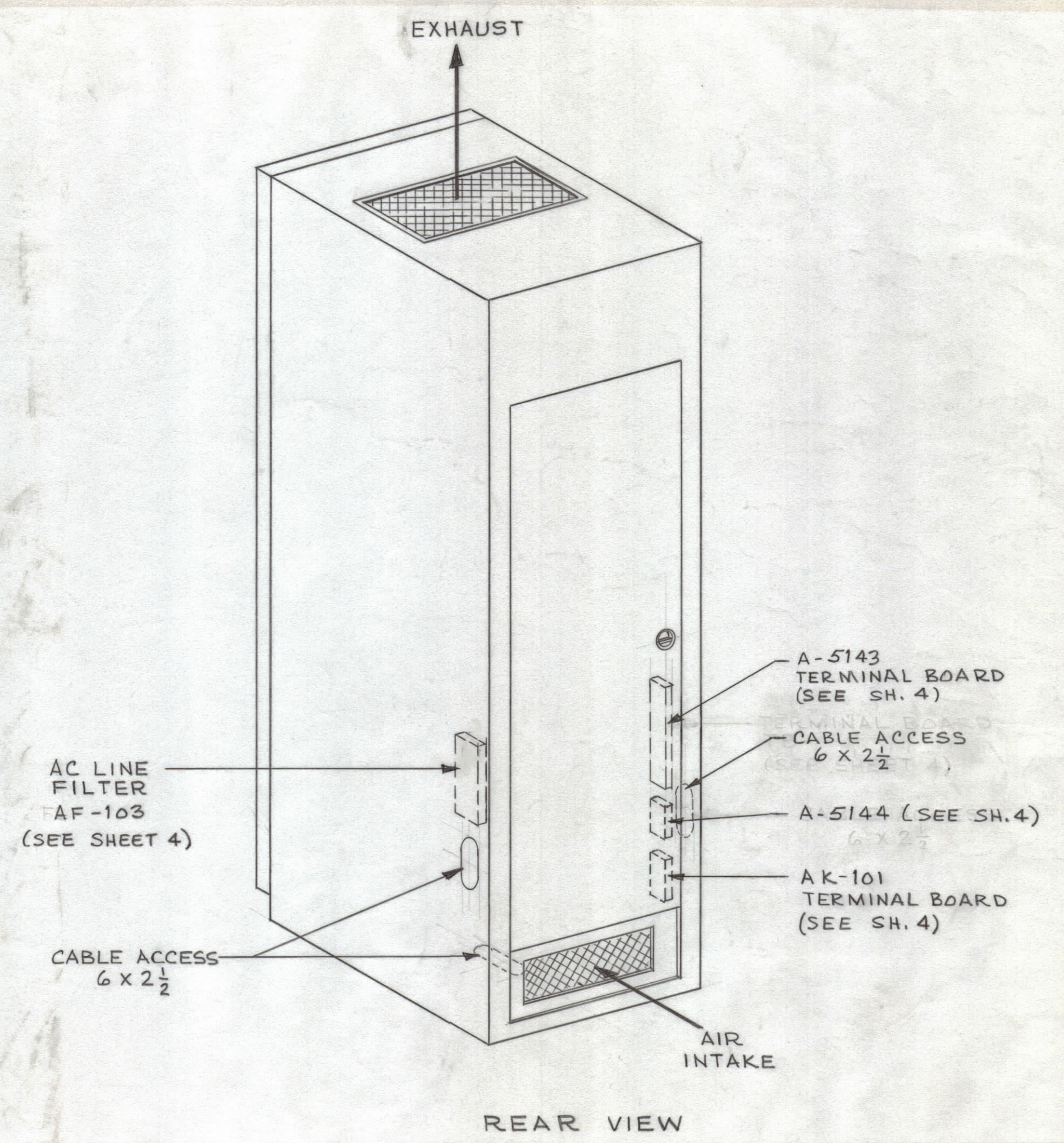
REVISIONS							
SYM	ZONE	DESCRIPTION	DATE	E.M.N.NO.	DRAFT	CHKD	APPD
A		REVISED	9/27/65			MJT	



DOOR CLEARANCE REQUIREMENTS  
TOP VIEW



DRILLING PLAN A

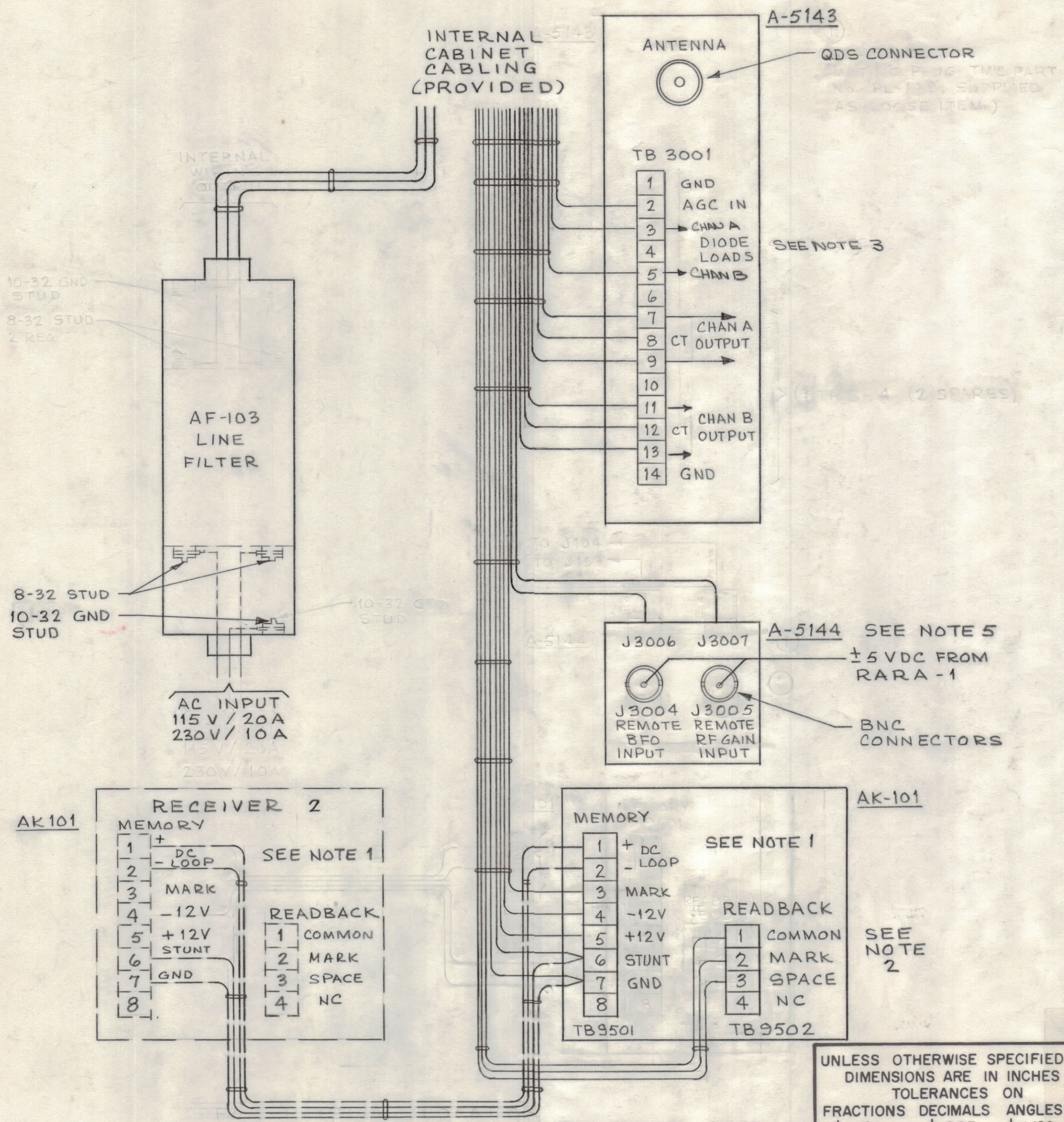


REAR VIEW

QTY REQ	ITEM	PART NO.	DESCRIPTION	SYMBOL
BILL OF MATERIAL				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES ±1/64 ±.005 ±1/2°			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
MATERIAL			RECEIVING SET, RADIO, MODEL DDR-5BR	
FINISH			OUTLINE CLEARANCE AND VENTILATION DETAILS	
APPROVED FOR BUSHIPS			CODE	SIZE
CONTRACT NO.			82679	C
N600(63133-11-126)63002			DWG. NO.	ISSUE
			ID-329	A
			SCALE NONE	SHEET 3 OF 5

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.

REVISIONS						
SYM	ZONE	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD
A		REVISED	8/28/65		MJT	
B		REVISED AND REDRAWN	9/27/65		MJT	
C	D3	ADDED NOTE 5	1/5/66		MJT	



- NOTES:**
- FOR SINGLE RECEIVER OPERATION FROM TUNING CIRCUIT, CONNECT POSITIVE BATTERY TO TERMINAL 1, TB 9501, AND NEGATIVE TO TERMINAL 2 AND SHUNT TERMINAL 1 AND 2 WITH 5W RESISTOR AS FOLLOWS:
    - a. FOR 60 MIL POSITIVE - 200 OHMS.
    - b. FOR 60 MIL POLAR - 400 OHMS.
    - c. FOR 20 MIL POSITIVE - 600 OHMS.
  - FOR OPERATION OF MULTIPLE RECEIVERS FROM SAME TUNING LOOP, USE ONE SHUNTING RESISTOR INDICATED ABOVE AND CONNECT TERMINALS 1, 2, 6 AND 7 ALL OF TB 9501 IN PARALLEL.
  - DRY CONTACT KEYING OUTPUT TO READBACK TELETYPE LOOP, FOR NEUTRAL KEYING USE TERMINAL 1 AND 2. FOR POLAR KEYING, USE TERMINALS 1, 2 AND 3.
  - FOR OPERATION OF 2 RECEIVERS IN DIVERSITY, CONNECT TERMINALS 2, 3 AND 5 TO LIKE TERMINAL OF RECEIVER #2.
  - CUSTOMER SUPPLIED CABLING.
  - SHIELDED CABLING OR COAXIAL CABLING, SUCH AS RG-174, RG-58, ETC., IS RECOMMENDED IN ORDER TO PREVENT EXTRANEIOUS SIGNAL PICK-UP.

FOR PHYSICAL LOCATION OF TERMINAL BOARDS SEE SHEET 3

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.

QTY REQ	ITEM	PART NO.	DESCRIPTION	SYMBOL
BILL OF MATERIAL				
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
RECEIVING SET, RADIO, MODEL DDR-5BR				
FINAL APPROVAL <i>J.E. Carter</i>		DATE 5/15/65		
MECH. DES.		DATE		
ELECT. DES. <i>J. Downey</i>		DATE 5-13-65		
CHECKED <i>McGee</i>		DATE 5-13-65		
DRAWN M TANTILLO		DATE 5-3-65		
APPROVED FOR BUSHIPS			CODE	SIZE
			82679	C
CONTRACT NO. N600(63133-11-126)63002			DWG. NO.	ISSUE
			ID-329	C
			SCALE NONE	SHEET 4 OF 5

SYMBOL	DESCRIPTION	DATE	EM.N.O.	DRAFT	CHKD	APPD
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REVISIONS

1 ID-329 SHS

2

3

4

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6

7

PC NO	QTY	DESCRIPTION	NAVY OR FURNISHED BY
1	1	RECEIVING SET, RADIO	DDR-5BR
2	1	CONNECTOR, PLUG, RF, QDS	PL149
3	3	CONNECTOR, PLUG, BNC	UG88/U
4	1	ADAPTER, CONNECTOR, RF	SA105
5	1	PLUG, TIP	PL163-2
6	1	PLUG, TIP	PL163-3
7	1	TERMINAL BOARD - FNG	TM105-14AL
8		ALIGNMENT TOOLS, RF&IF	
9	2	TERMINAL LUG 8-32 STUD	
10	1	TERMINAL LUG 10-32 STUD	
11	AS REQD	COAX CABLE RF ANTENNA	RG-58C
12	AS REQD	TWISTED-SHIELED-PAIR, RADIO	TTRS
13	AS REQD	CABLE, AC POWER	

INSTALLATION MATERIAL LIST

QTY	ITEM	PART NO.	DESCRIPTION	SYMBOL
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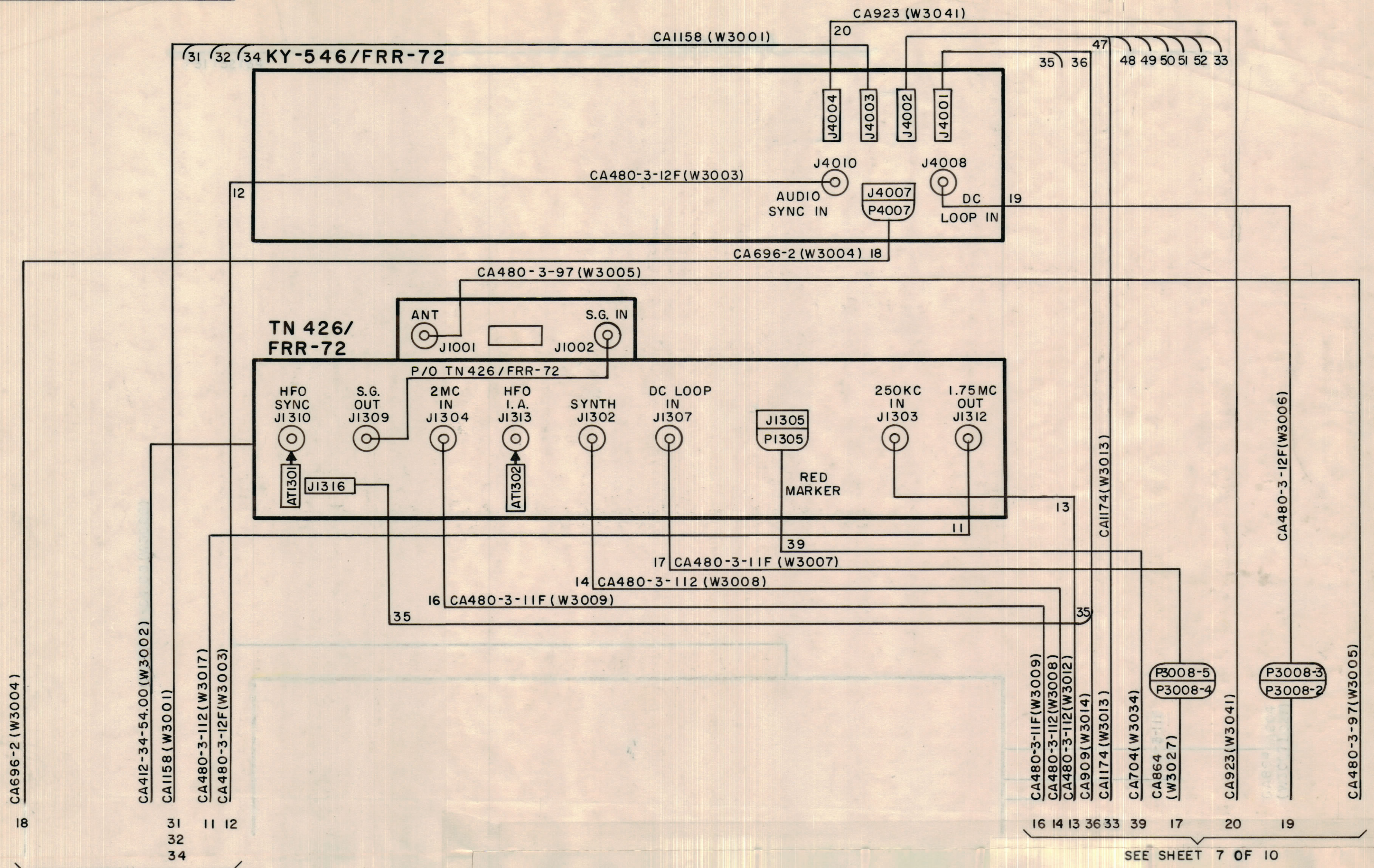
BILL OF MATERIAL

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS $\pm 1/2^\circ$ $\pm 1/64$ $\pm .005$ $\pm 1/2^\circ$		FINAL APPROVAL <i>[Signature]</i> DATE 3/12/66	MECH. DES. DATE	ELECT. DES. DATE	CHECKED DATE	DRAWN M TANTILLO DATE 9-17-65	APPROVED FOR BUSHIPS	CONTRACT NO.	SCALE NAME 82679 C	CODE SIZE DWG. NO. ID-329	ISSUE
MATERIAL											
FINISH											
MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.											

RECEIVING SET, RADIO  
MODEL DDR-5BR

THE TECHNICAL MATERIEL CORP.  
MAMARONECK, NEW YORK

REVISIONS						
SYM	ZONE	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD APPD



SEE SHEET 7 OF 10

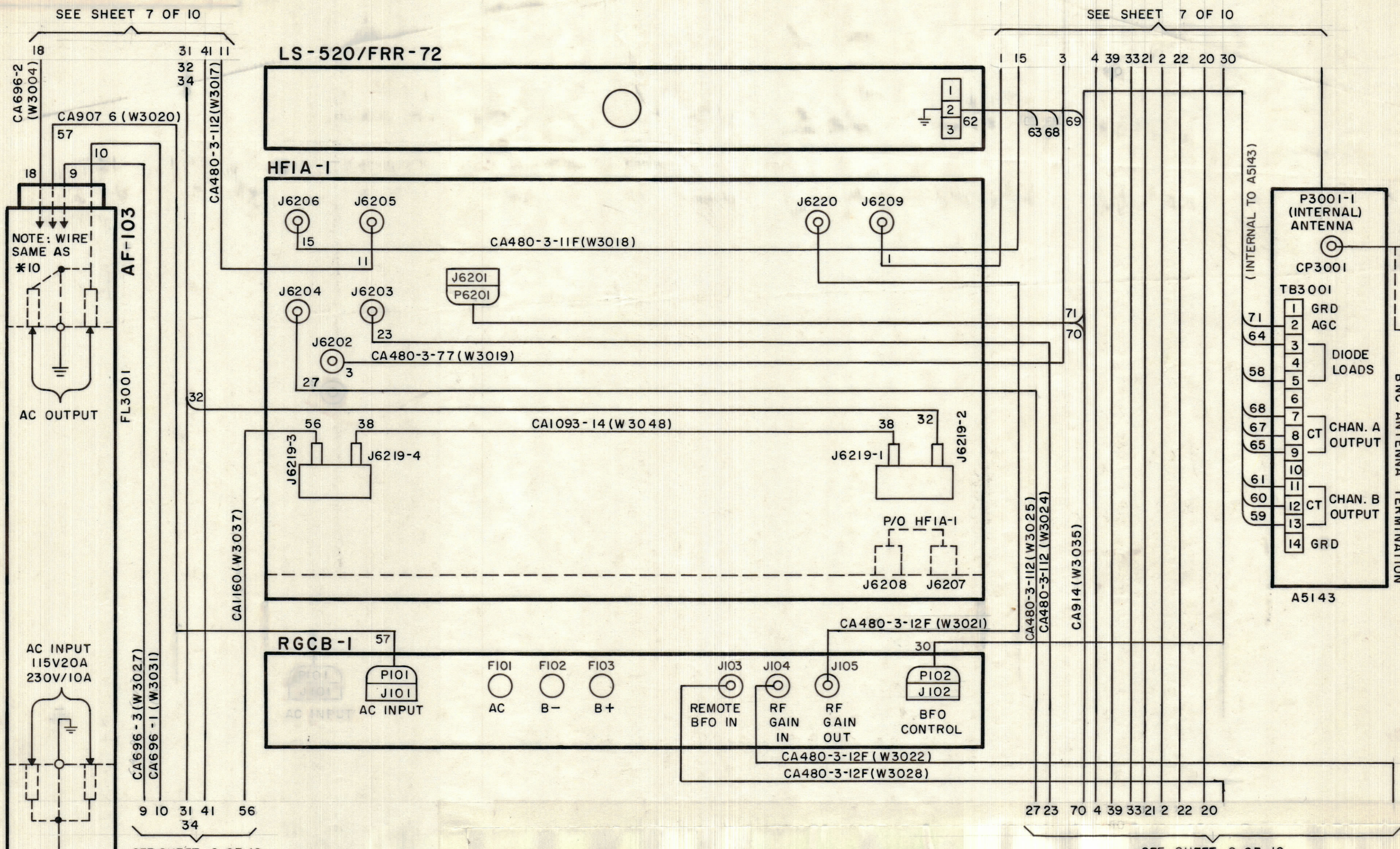
SEE SHEET 7 OF 10

CONTRACT NO. N600(63133-11-126)63002	<b>EXAMINED</b>	NAVAL SHORE ELECTRONICS ENGINEERING CENTER WASHINGTON, DC	
TECHNICAL MATERIEL CORP	OFFICIAL SIGNATURE	RECEIVING SET, RADIO, MODEL DDR-5BR	
DWG NO. ID-329-6	BR HEAD	RW 23	
APPROVED DATE	PROJ ENG	CODE IDENT 82679	SIZE C
SATISFACTORY TO:	DIV DIR	565	
DATE:	PROJ DIR	SCALE: NONE	
	DRAFT SEC	SHEET 6 OF 10	
	DRAWN		
	FEDERAL SUPPLY CODE 82679		
	CONTR DRAWING NO. ID-329-6		





REVISIONS						
SYM	ZONE	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD APPD



SEE SHEET 7 OF 10

SEE SHEET 7 OF 10

SEE SHEET 9 OF 10

SEE SHEET 9 OF 10

TO BE INSTALLED BY CUSTOMER

CONTRACT NO. N600(63133-11-126)63002	<b>EXAMINED</b>		NAVAL SHORE ELECTRONICS ENGINEERING CENTER WASHINGTON, DC	
TECHNICAL MATERIEL CORP	OFFICIAL	SIGNATURE	RECEIVING SET, RADIO, MODEL DDR-5 BR	
DWG NO. ID-329-8	BR HEAD			
APPROVED	PROJ ENG			
DATE	DIV DIR			
	PROJ DIR			
SATISFACTORY TO:	DRAFTSEC		RW 23	
	DRAWN		CODE IDENT	SIZE
			82679	C
DATE:	FEDERAL SUPPLY CODE 82679		565	
	CONTR DRAWING NO. ID-329-8	SCALE: NONE	SHEET 8 OF 10	

REVISIONS							
SYM	ZONE	DESCRIPTION	DATE	E.M.N.O.	DRAFT	CHKD	APPD

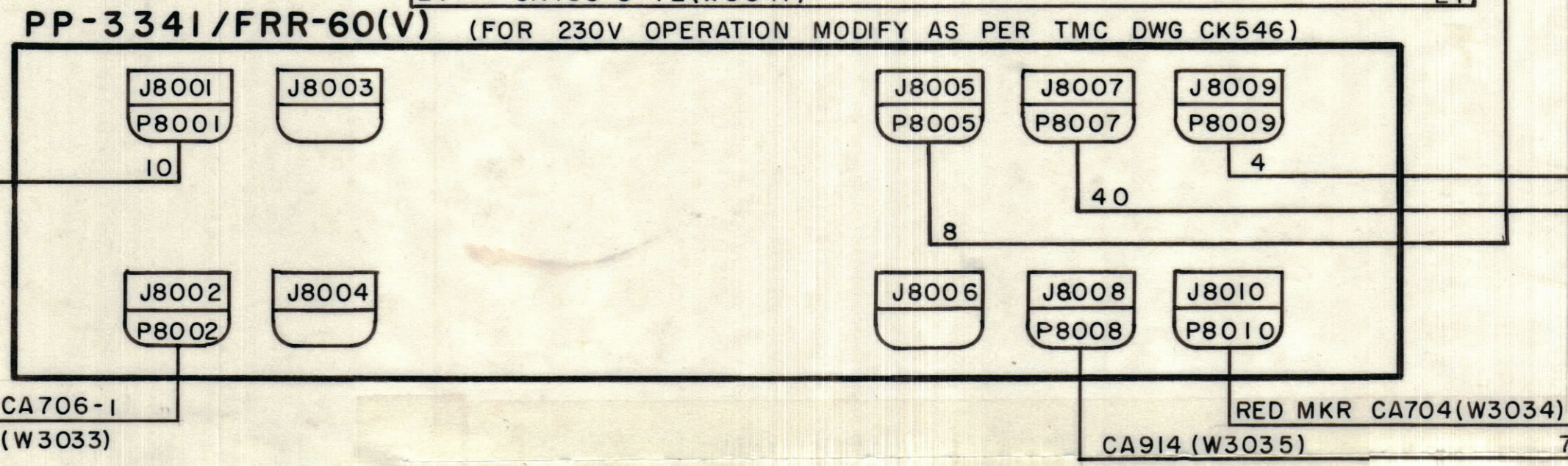
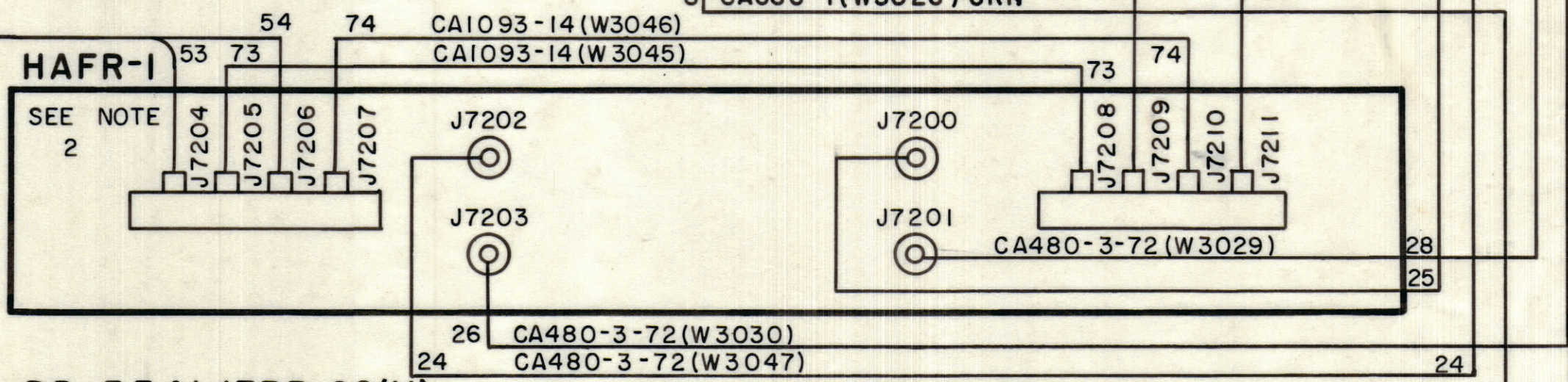
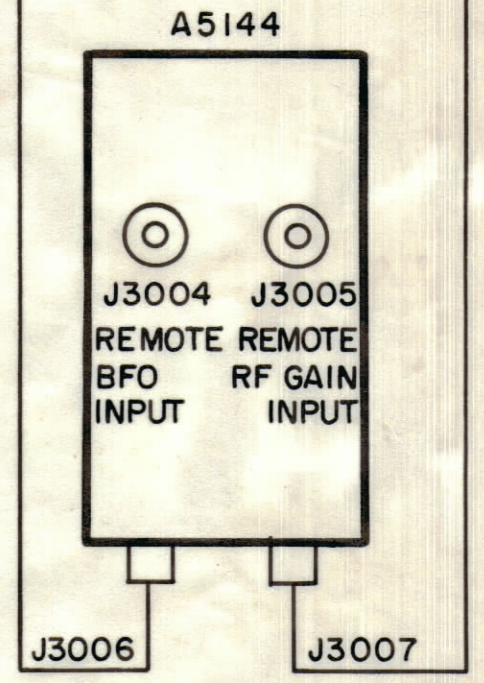
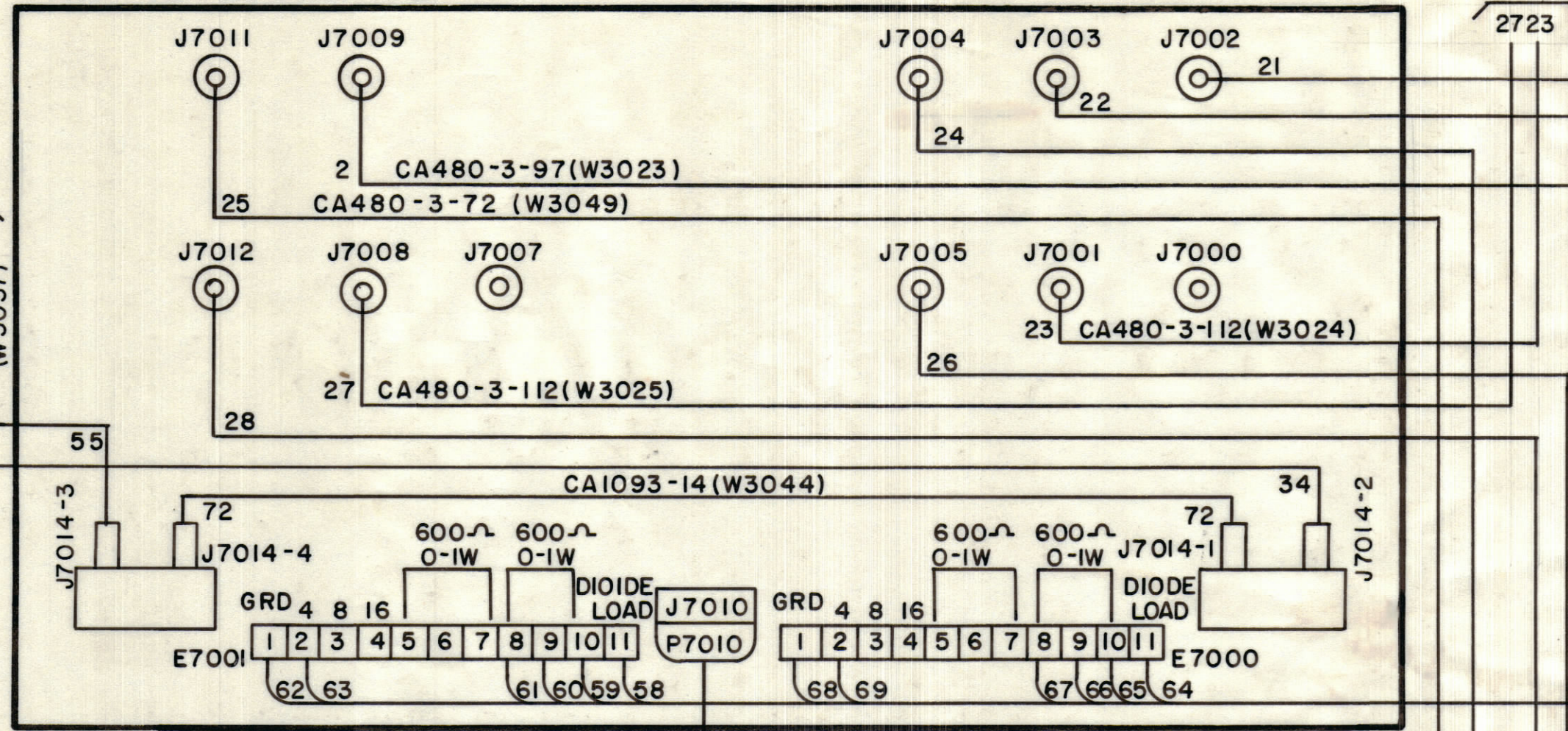
SEE SHEET 8 OF 10

### AM-4272/FRR-72

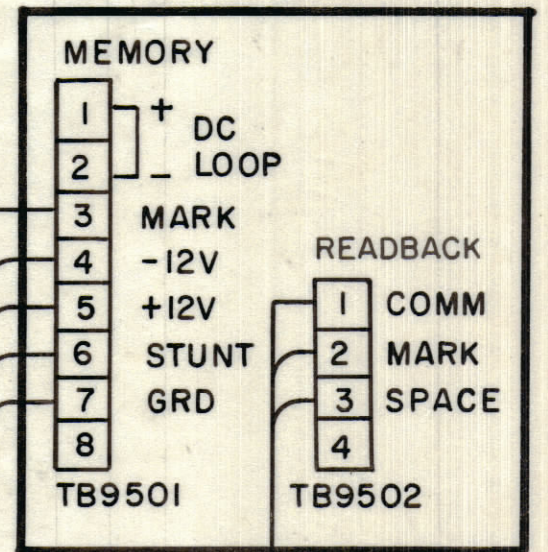
SEE SHEET 8 OF 10

9 10 31 41 56

CA696-1 (W3031)  
 CA1160 (W3037)



REMOTE TUNE INPUT, READBACK OUTPUT AK101



9 41 29 56

SEE SHEET 10 OF 10

SEE SHEET 10 OF 10

CONTRACT NO. N600(63133-11-126)63002	<b>EXAMINED</b>		NAVAL SHORE ELECTRONICS ENGINEERING CENTER WASHINGTON, DC			
	OFFICIAL	SIGNATURE				
TECHNICAL MATERIEL CORP	BR HEAD		RECEIVING SET, RADIO, MODEL DDR-5BR			
DWG NO. ID-329-9	PROJ ENG					
APPROVED _____ DATE _____	DIV DIR					
SATISFACTORY TO:	PROJ DIR					
DATE: _____	DRAFT SEC		RW 23	CODE IDENT 82679	SIZE C	565
	DRAWN					
	FEDERAL SUPPLY CODE 82679		SCALE: NONE		SHEET 9 OF 10	
	CONTR DRAWING NO. ID-329-9					