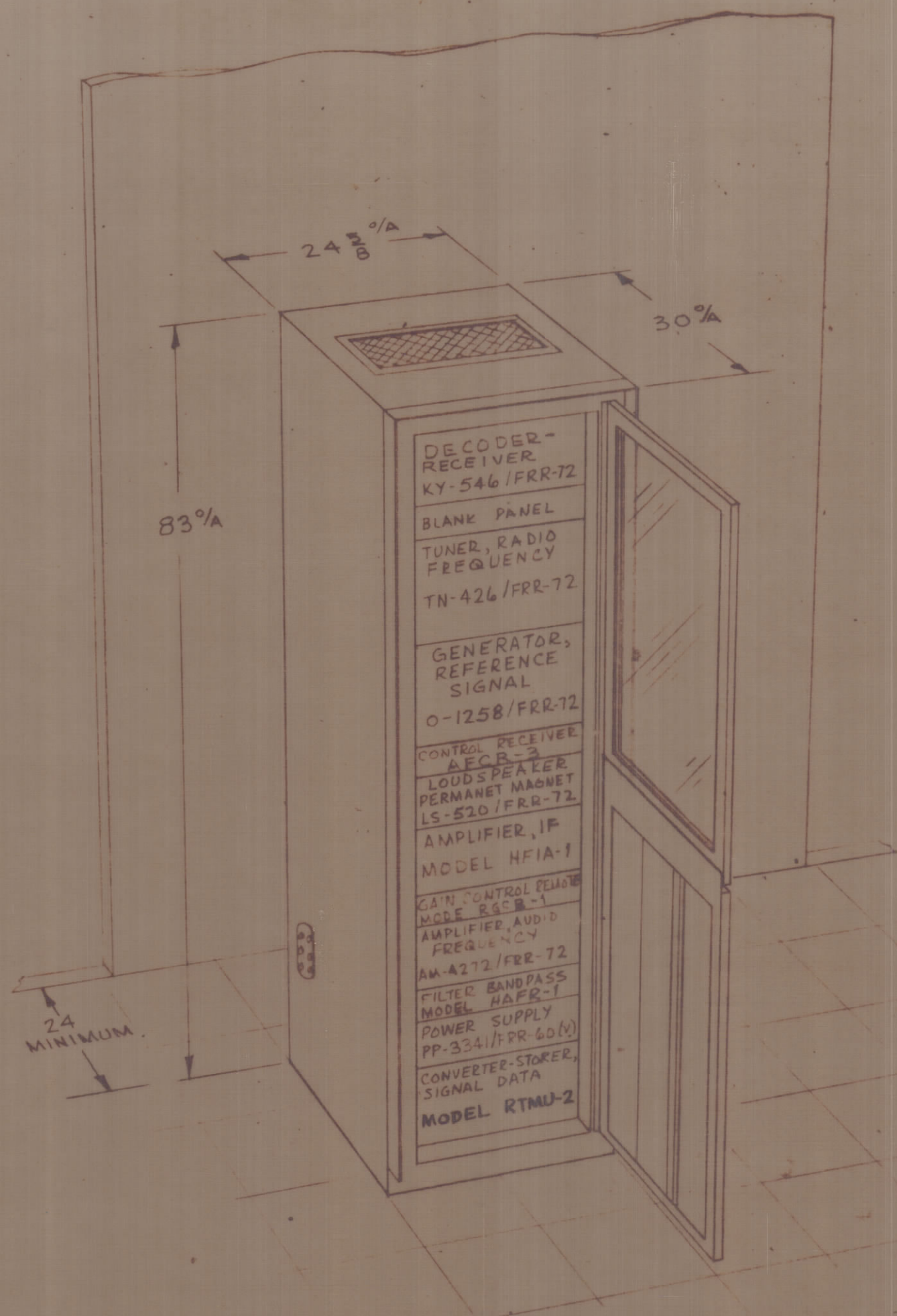


REVISIONS							
SYM	ZONE	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD



TECHNICAL DATA

POWER INPUT: 1000 W
 VOLTAGE: 115/230 VAC
 PHASE: 1 ϕ
 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
 CENTER OF GRAVITY: SEE SHEET 2 OF 10

NOTE

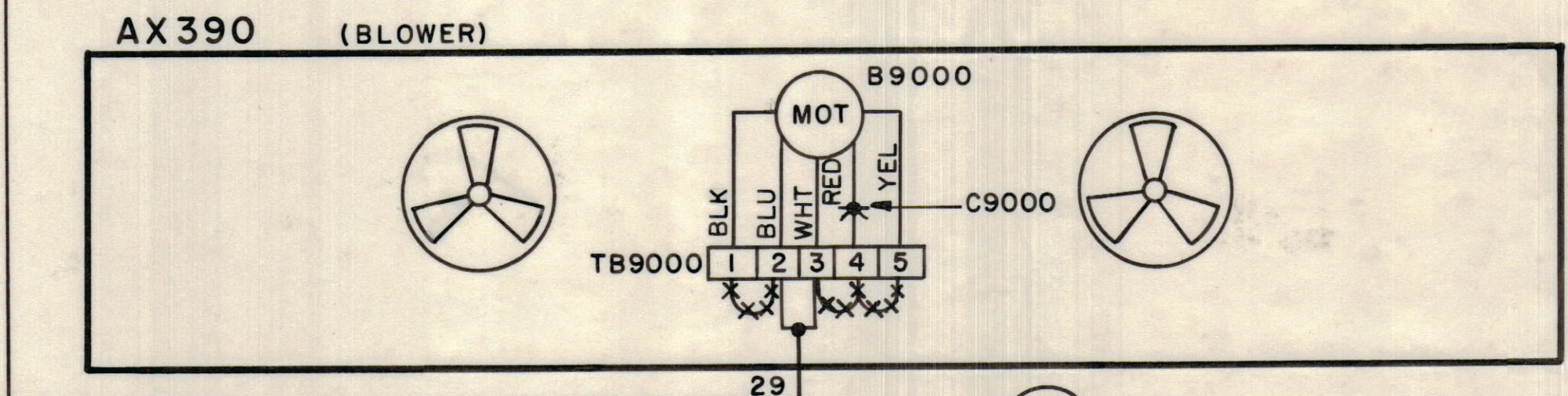
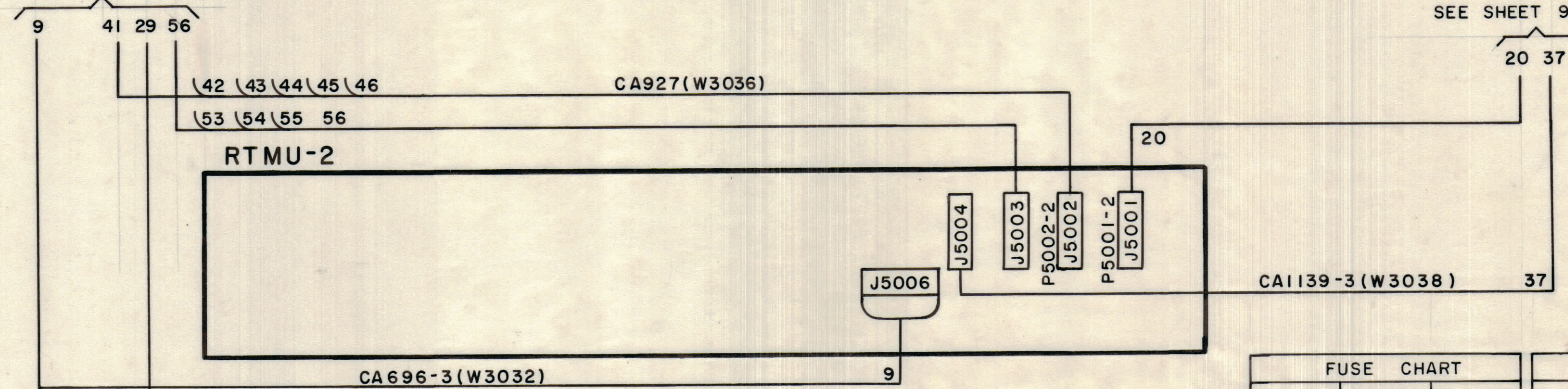
1. FOR INSTALLATION MATERIAL LIST SEE SHEET 5 OF 10
2. FOR INTERCONNECTING CABLING DIAGRAM SEE SHEET 6 OF 10
3. FOR PHYSICAL DIMENSIONS OF UNITS AND CRATED DATA, SEE SHEET 5 OF 10

CONTRACT No. N600(63133-11-126)63002	EXAMINED		NAVAL SHORE ELECTRONICS ENGINEERING CENTER WASHINGTON, D C		
	TECHNICAL MATERIEL CORP	OFFICIAL			SIGNATURE
DWG No. ID-329-1	BR HEAD	PROJ ENG	RECEIVING SET, RADIO, MODEL DDR-5BR		
<i>[Signature]</i> 3/2/66	DIV DIR	PROJ DIR			
APPROVED DATE	DRAFT SEC				
SATISFACTORY TO:	DRAWN				
DATE:	FEDERAL SUPPLY CODE 82679	RW 23	CODE IDENT 82679	SIZE C	565
	CONTR DRAWING NO. ID-329-1	SCALE NONE			SHEET 1 OF 10

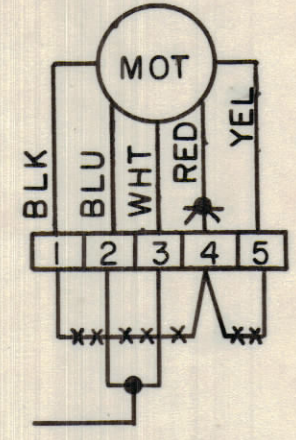
REVISIONS							
SYM	ZONE	DESCRIPTION	DATE	E.M.N.	DRAFT	CHKD	APPD

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.

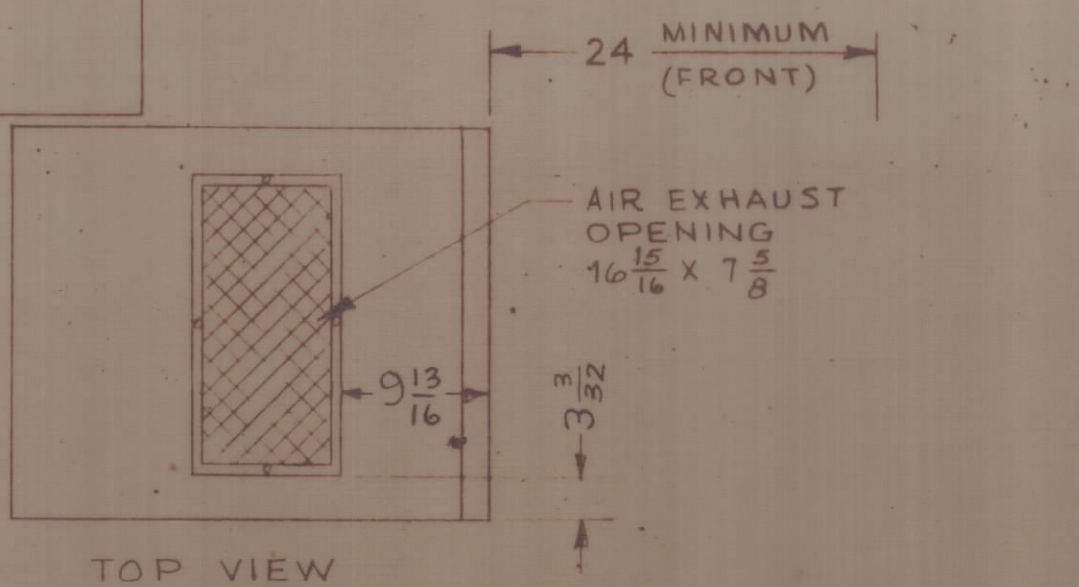


FUSE CHART			FUSE CHART		
UNIT	SYMBOL	IIS 50/60	UNIT	SOMMBOL	IIS 50/60
PP-3341/ FRR-60(v)	F8001	15A	RTMU-2	F5001	1.5A
	F8002	15A	RTMU-2	F5002	1.5A
	F8003	4A	RTMU-2	F5003	4A
	F8004	4A	RTMU-2	F5004	3/10A
	F8005	2A	RTMU-2	F5005	3/10A
	F8006	1/10A	RTMU-2	F5006	1/4A
	F8007	3/4A	RTTD-1	F4001	3A
	F8008	3/4A	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		

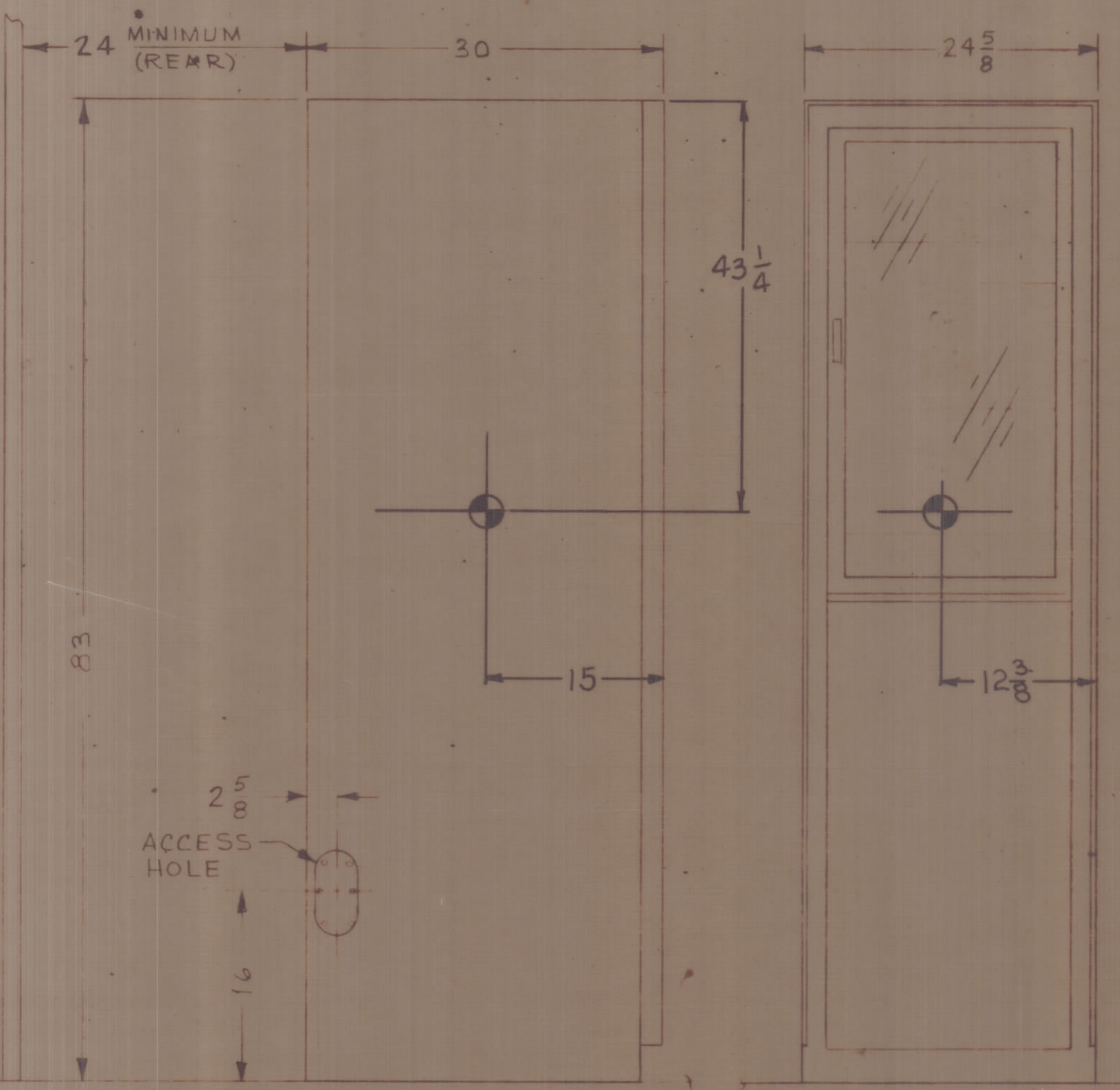
NOTE : UNLESS OTHERWISE SPECIFIED
 1. ALL PLUG AND FANNING STRIP NUMBERS CORRESPOND WITH JACK AND TERMINAL BOARD NUMBERS.
 2. FOR DDR-5BRI, HAFR-1 IS REPLACED BY THE HAF-1 & LEADS 31,33,53,54,73, & 74 ARE NOT USED. J7204 THRU J7211 ARE NOT ON UNIT.

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

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



TOP VIEW



LEFT SIDE VIEW

FRONT VIEW



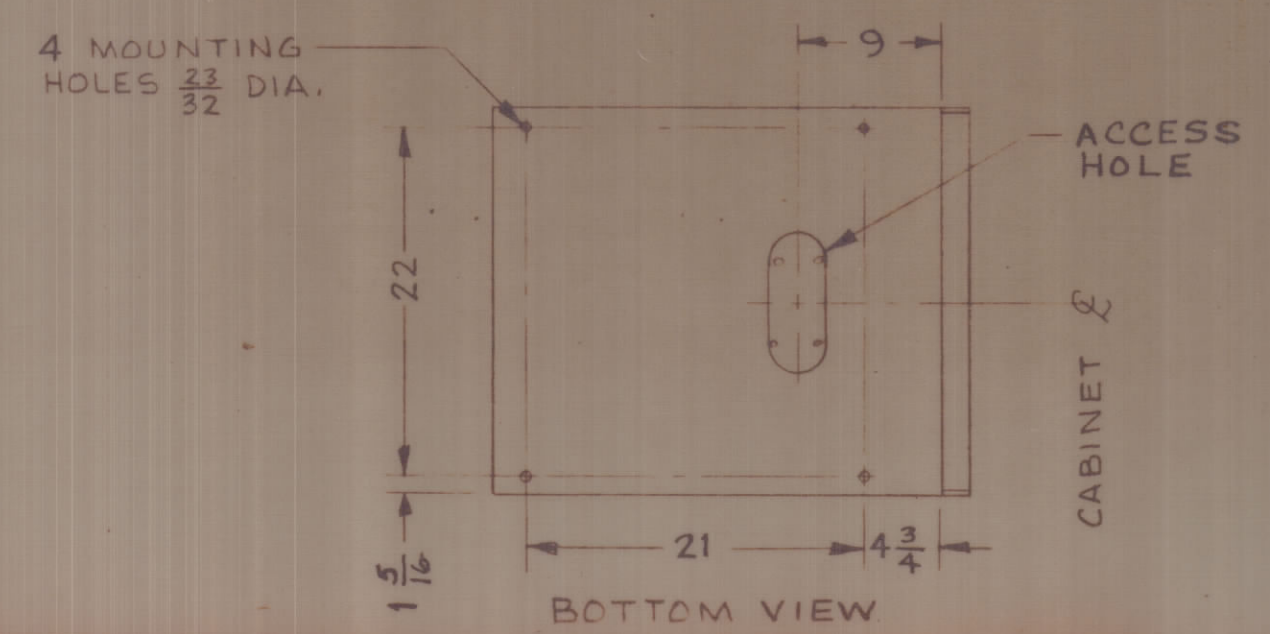
RIGHT SIDE VIEW

REAR VIEW

NOTE:
 1. GROUNDING OF EQUIPMENT TO STATION GROUND SHOULD BE DONE AT ONE OF THE MOUNTING BOLTS.

⊗ = CENTER OF GRAVITY

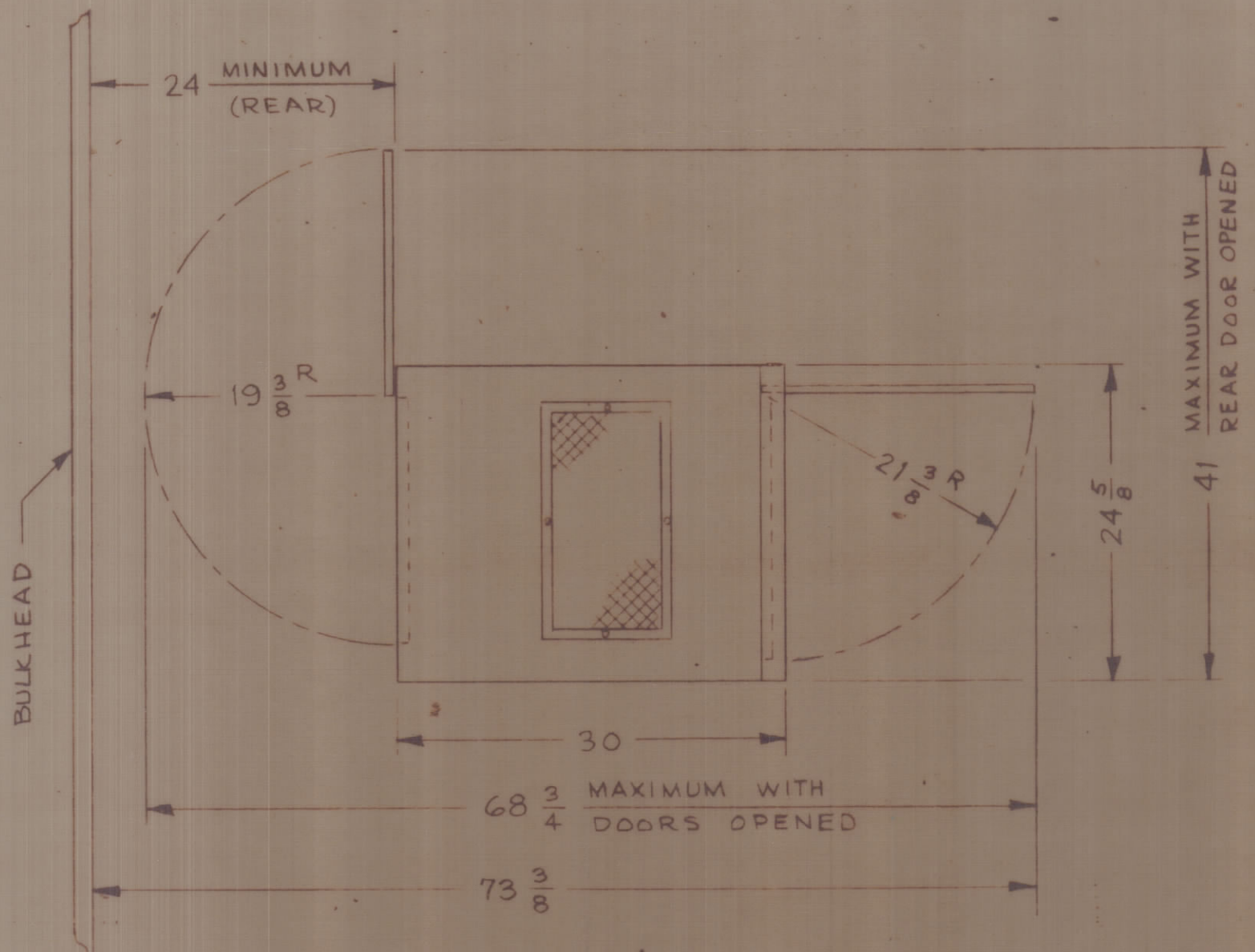
AIR INTAKE OPENING
 15 1/4 x 5
 FLOOR LINE



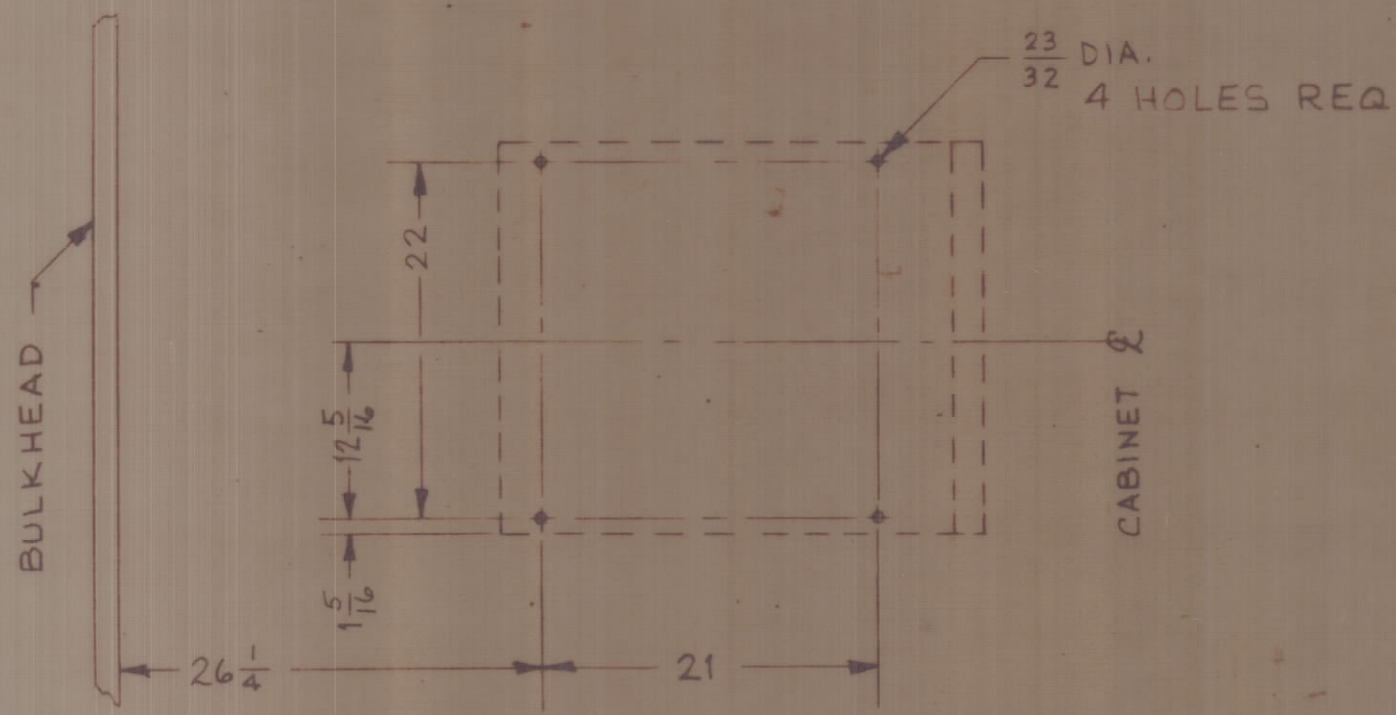
BOTTOM VIEW

CONTRACT No. N600(63133-11-126)63002	EXAMINED	NAVAL SHORE ELECTRONICS ENGINEERING CENTER WASHINGTON, D C	
TECHNICAL MATERIEL CORP		OFFICIAL	SIGNATURE
DWG No. ID-329-2	BR HEAD	RECEIVING SET, RADIO, MODEL DDR-5BR	
APPROVED <i>[Signature]</i> DATE 3/2/66	PROJ ENG		
SATISFACTORY TO:	DIV DIR		
	PROJ DIR		
	DRAFT SEC		
	DRAWN	RW 23	CODE IDENT 82679
	FEDERAL SUPPLY CODE 82679	SIZE C	565
DATE: _____	CONTR DRAWING NO. ID-329-2	SCALE NONE	SHEET 2 OF 10

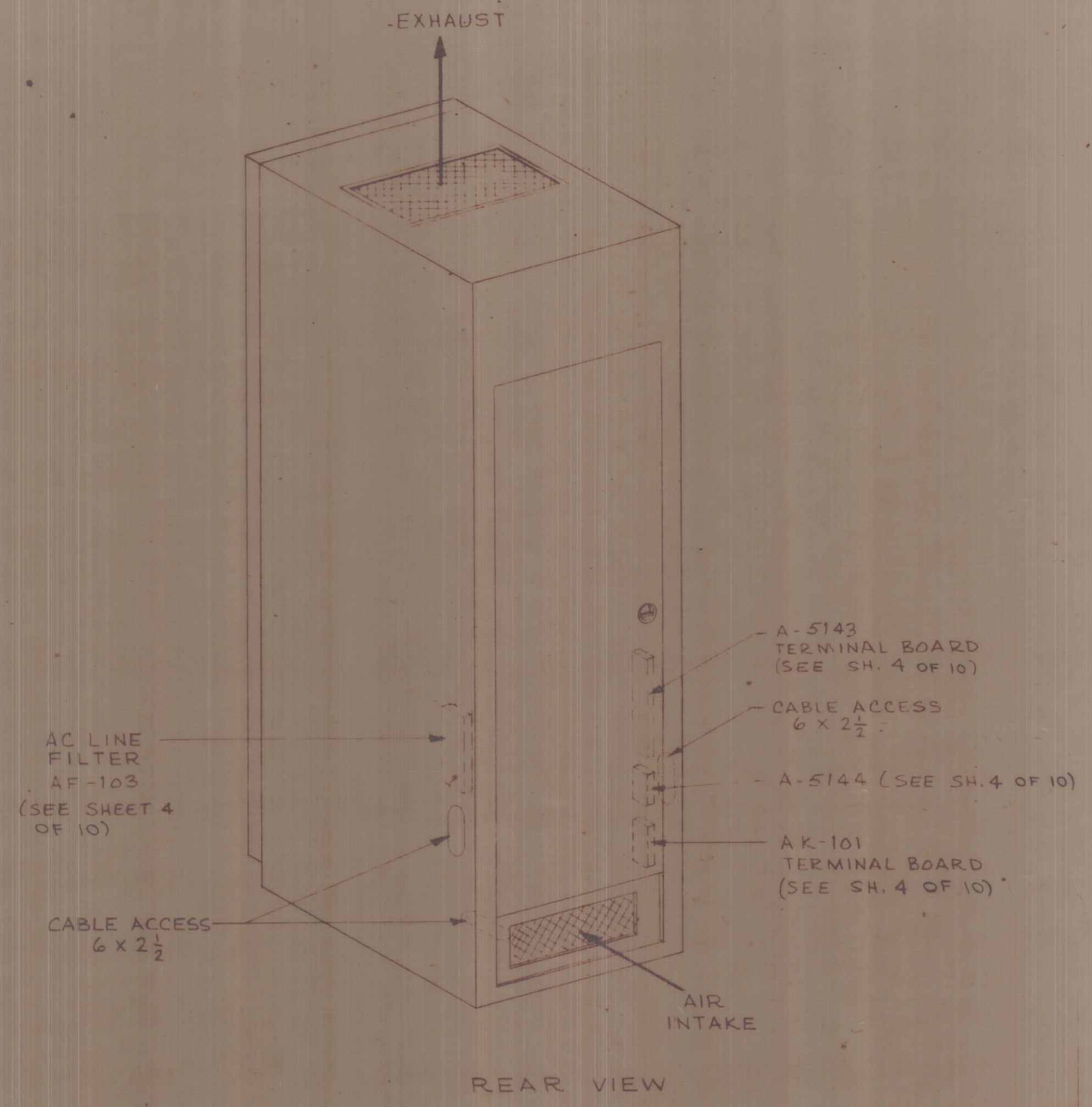
REVISIONS						
SYM	ZONE	DESCRIPTION	DATE	E.M.N.	NO.	DRAFT



DOOR CLEARANCE REQUIREMENTS
TOP VIEW



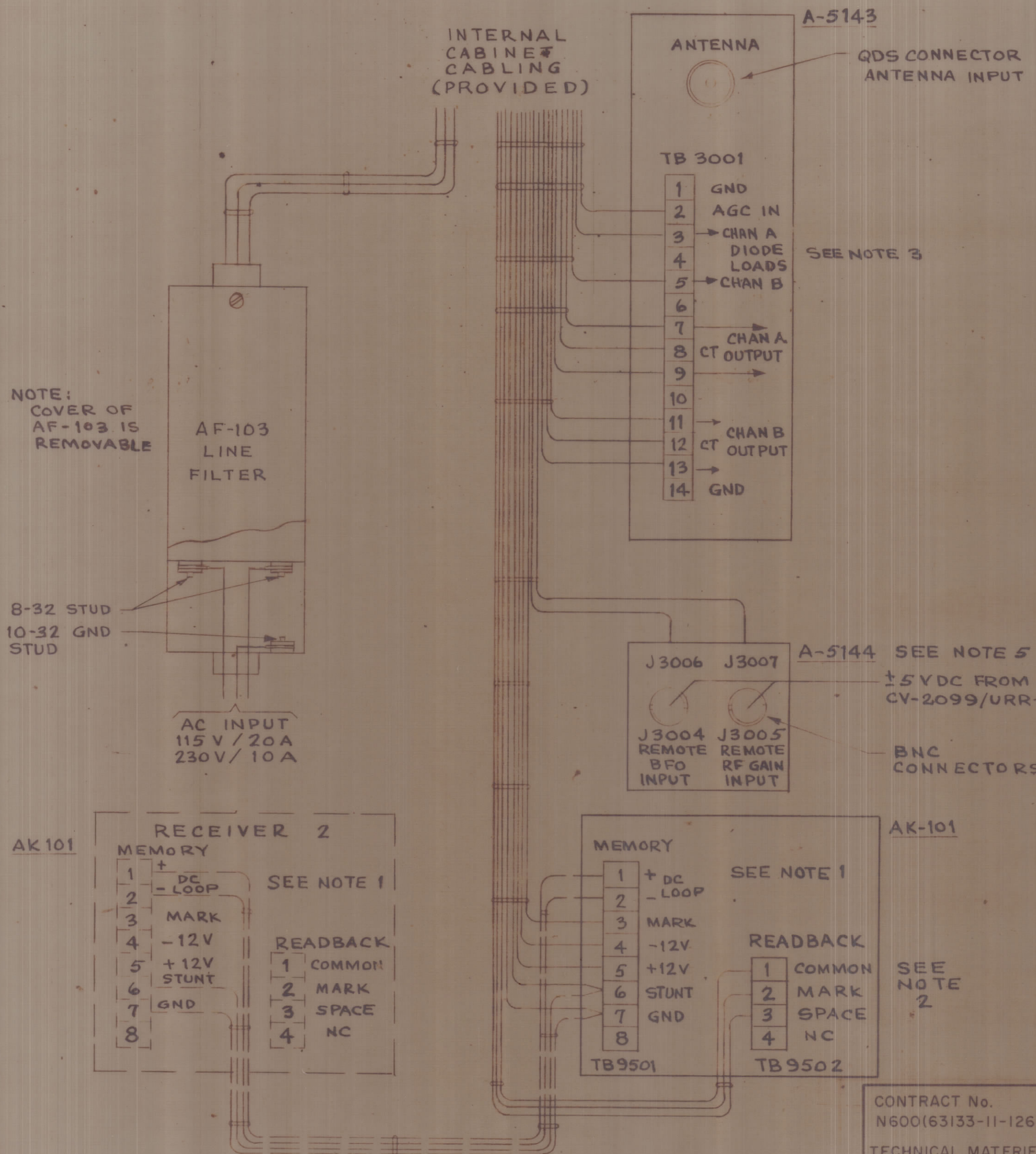
DRILLING PLAN



REAR VIEW

CONTRACT No. N600(63133-11-126) 63002	EXAMINED		NAVAL SHORE ELECTRONICS ENGINEERING CENTER WASHINGTON, D C		
	OFFICIAL	SIGNATURE			
TECHNICAL MATERIEL CORP	BR HEAD		RECEIVING SET, RADIO, MODEL DDR-5BR		
	PROJ ENG				
DWG No. ID-329-3	DIV DIR				
<i>Milroy</i> APPROVED	PROJ DIR	<i>3/2/66</i> DATE			
SATISFACTORY TO:	DRAFT SEC		RW 23 CODE IDENT 82679 SIZE C 565		
	DRAWN				
	FEDERAL SUPPLY CODE 82679		SCALE NONE		
DATE:	CONTR DRAWING NO. ID-329-3				
			SHEET 3 OF 10		

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



- NOTES:**
- FOR SINGLE RECEIVER OPERATION FROM TUNING CIRCUIT, CONNECT POSITIVE BATTERY TO TERMINAL 1, TB9501, AND NEGATIVE TO TERMINAL 2 AND SHUNT TERMINAL 1 AND 2 WITH 5W RESISTOR AS FOLLOWS:
 - FOR 60 MIL POSITIVE - 200 OHMS.
 - FOR 60 MIL POLAR - 400 OHMS.
 - 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.

NOTE: COVER OF AF-103 IS REMOVABLE

SEE NOTE 3

SEE NOTE 5

±5VDC FROM CV-2099/URR-55

BNC CONNECTORS

SEE NOTE 4

FOR PHYSICAL LOCATION OF TERMINAL BOARDS SEE SHEET 3 OF 10

CONTRACT No. N600(63133-11-126) 63002	EXAMINED	NAVAL SHORE ELECTRONICS ENGINEERING CENTER WASHINGTON, D C	
TECHNICAL MATERIEL CORP		OFFICIAL	SIGNATURE
DWG No. ID-329-4	BR HEAD	RECEIVING SET, RADIO, MODEL DDR-5BR	
APPROVED <i>[Signature]</i> DATE <i>3/2/66</i>	PROJ ENG		
SATISFACTORY TO:	DIV DIR		
DATE:	PROJ DIR		
	DRAFT SEC	RW 23 CODE IDENT 82679 SIZE C 565	
	DRAWN	FEDERAL SUPPLY CODE 82679	
		CONTR DRAWING NO. ID-329-4 SCALE NONE SHEET 4 OF 10	

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

INSTALLATION MATERIAL LIST

PC NO	QTY	DESCRIPTION	NAVY OR COML DESIG	FURNISHED BY (GFE OR CFM)
1	1	RECEIVING SET, RADIO	DDR-5BR	CFM
2	1	CONNECTOR, PLUG, RF, QDS	PL149	CFM
3	3	CONNECTOR, PLUG, BNC	UG88/U	CFM
4	1	ADAPTER, CONNECTOR, RF	SA 105	CFM
5	1	PLUG, TIP	PL163-2	CFM
6	1	PLUG, TIP	PL163-3	CFM
7	1	TERMINAL BOARD-FNG	TM105-14AL	CFM
8		ALIGNMENT TOOLS, RF&IF		CFM
9	2	TERMINAL LUG 8-32 STUD		GFE
10	1	TERMINAL LUG 10-32 STUD		GFE
11	AS REQD	COAX CABLE RF ANTENNA	RG-58C	GFE
12	AS REQD	TWISTED-SHIELDED-PAIR, RADIO FLEXIBLE CABLE	TTRS()	GFE
13	AS REQD	CABLE, AC POWER		GFE

PHYSICAL DIMENSIONS

NOMENCLATURE	WEIGHT	DIMENSIONS
TN-426/FRR-72	62	19X10 $\frac{1}{2}$ X22
O-1258/FRR-72	47	19X10 $\frac{1}{2}$ X24
KY-546/FRR-72	40	19X8 $\frac{3}{4}$ X20
RTMU-2	44	19X8 $\frac{3}{4}$ X19 $\frac{5}{8}$
HFIA-1	27	19X7X20
AM-4272/FRR-72	23	19X7X20
AFCR-3	18	19X3 $\frac{1}{2}$ X19 $\frac{1}{4}$
PP-3341/FRR-60(V)	67	19X5 $\frac{1}{4}$ X19 $\frac{3}{4}$
HAFR-1	12	19X3 $\frac{1}{2}$ X17
RGCB-1	11	19X3 $\frac{1}{2}$ X17 $\frac{1}{2}$
RAK-102-4	520	25 $\frac{1}{2}$ X83X30
CRATED DATA		

CRATED DATA

NOMENCLATURE	WEIGHT	DIMENSIONS	CUBE
TN-426/FRR-72 O-1258/FRR-72	268	35X26 $\frac{3}{4}$ X38	20.6
KY-546/FRR-72 RTMU-2	239	36X26 $\frac{3}{4}$ X34 $\frac{3}{4}$	19.4
HFIA-1 AM-4272/FRR-72	172	32X23 $\frac{1}{2}$ X30 $\frac{1}{2}$	13.4
AFCR-3 PP-3341/FRR-60(V) HAFR-1 RGCB-1	238	32X23 $\frac{1}{2}$ X30 $\frac{1}{2}$	13.4
RAK-102-4	857	89 $\frac{1}{8}$ X36 $\frac{1}{4}$ X34 $\frac{3}{8}$	64.2

CONTRACT No. N600(63133-11-126)63002	EXAMINED		NAVAL SHORE ELECTRONICS ENGINEERING CENTER WASHINGTON, D C	
TECHNICAL MATERIEL CORP	OFFICIAL	SIGNATURE	RECEIVING SET, RADIO, MODEL DDR-5BR	
DWG No. ID-329-5	BR HEAD			
<i>M. Heary</i> 3/2/66	PROJ ENG			
APPROVED DATE	DIV DIR			
SATISFACTORY TO:	PROJ DIR			
	DRAFT SEC			
	DRAWN		RW 23	CODE IDENT 82679
	FEDERAL SUPPLY CODE 82679		C	565
DATE:	CONTR DRAWING NO: ID-329-5	SCALE NONE	SHEET 5 OF 10	