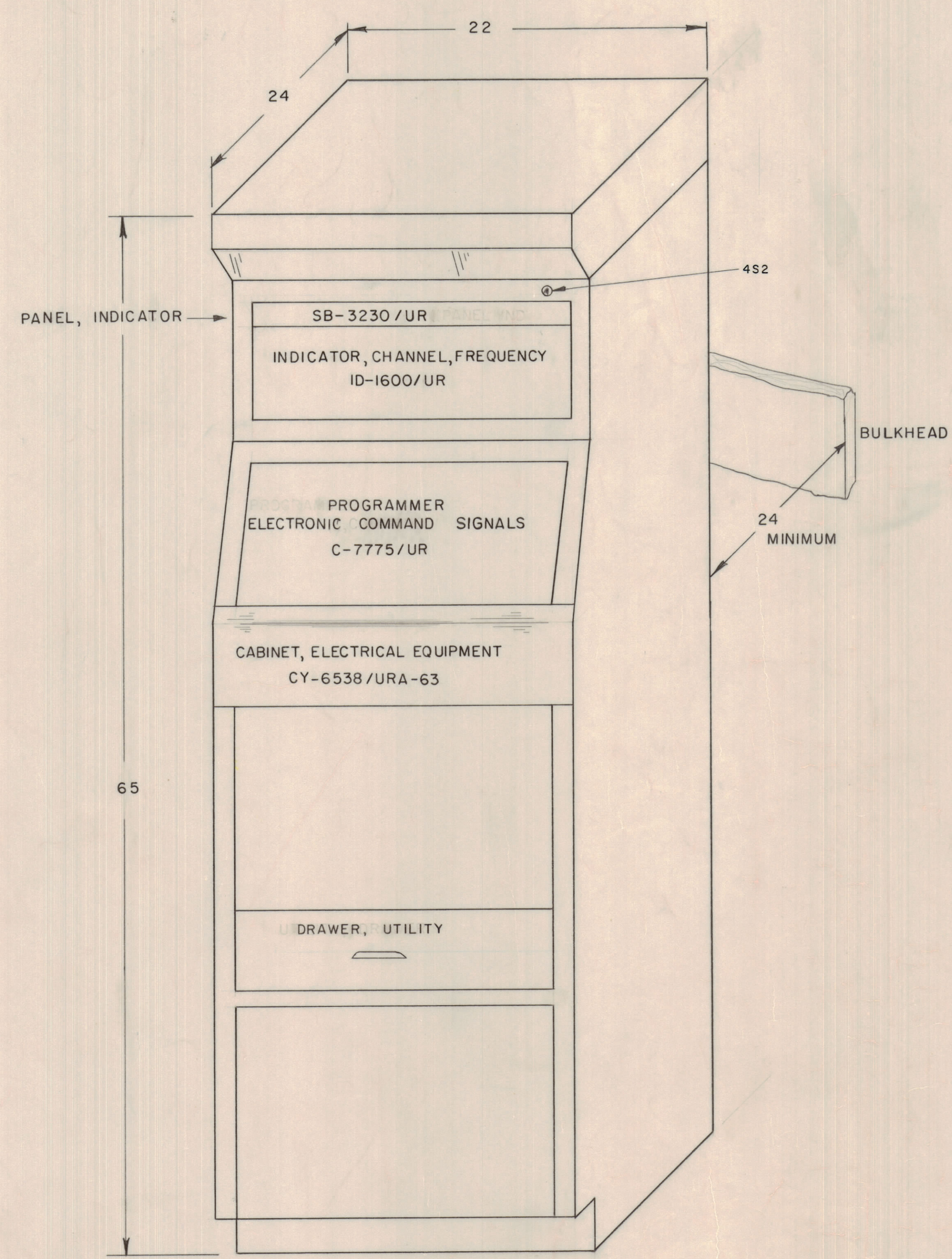
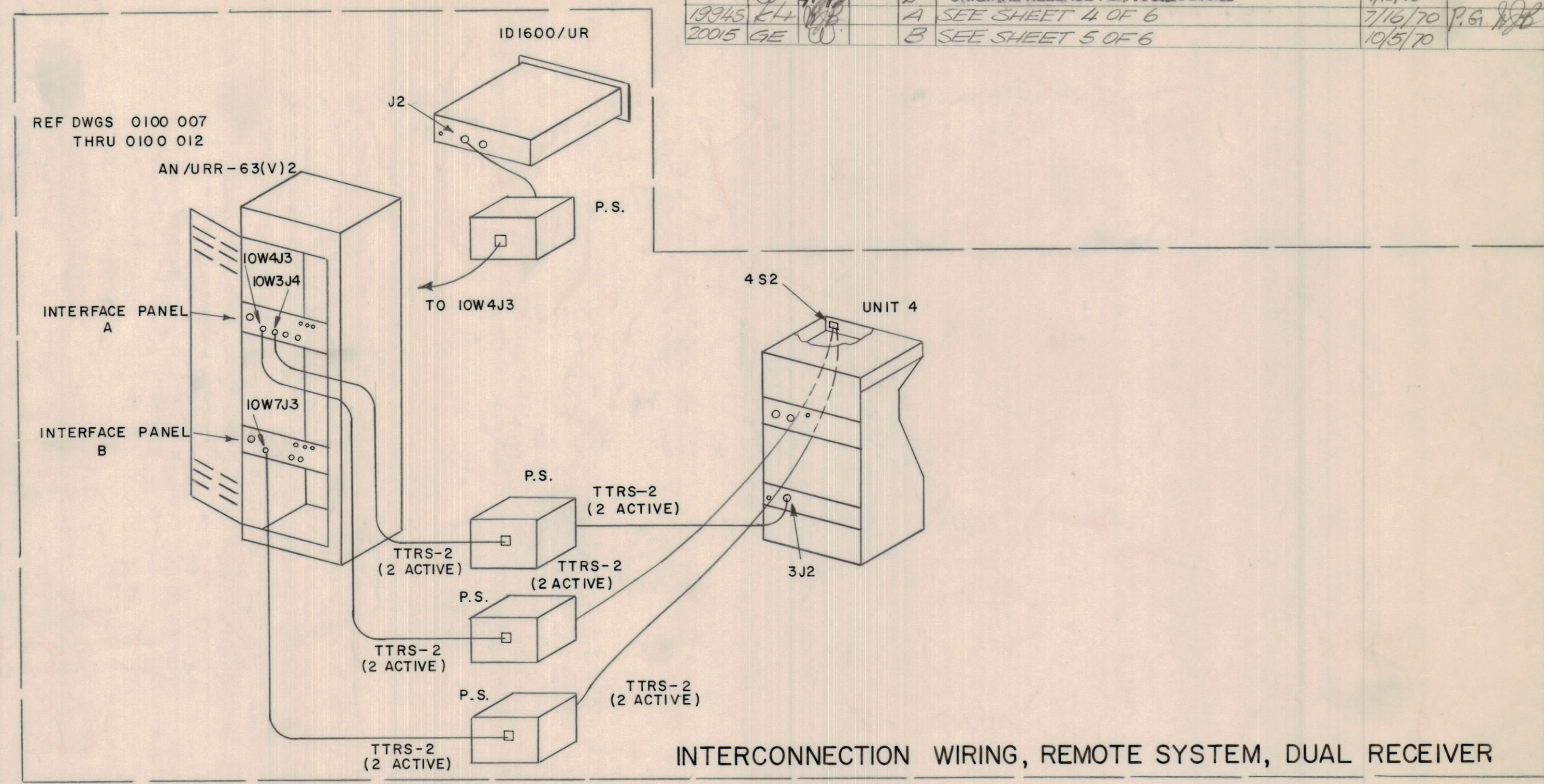


REVISIONS							
E.M.N.O	DRAFT	CHKD	ZONE	LTR	DESCRIPTION	DATE	APPROVED
	KD			X1	UPDATED TO 2-18-70 SUBMISSION	2-20-70	
					ORIGINAL RELEASE FOR PRODUCTION	4/15/70	
1994S	ELH			A	SEE SHEET 4 OF 6	7/16/70	P.G. [Signature]
2005	GE			B	SEE SHEET 5 OF 6	10/5/70	

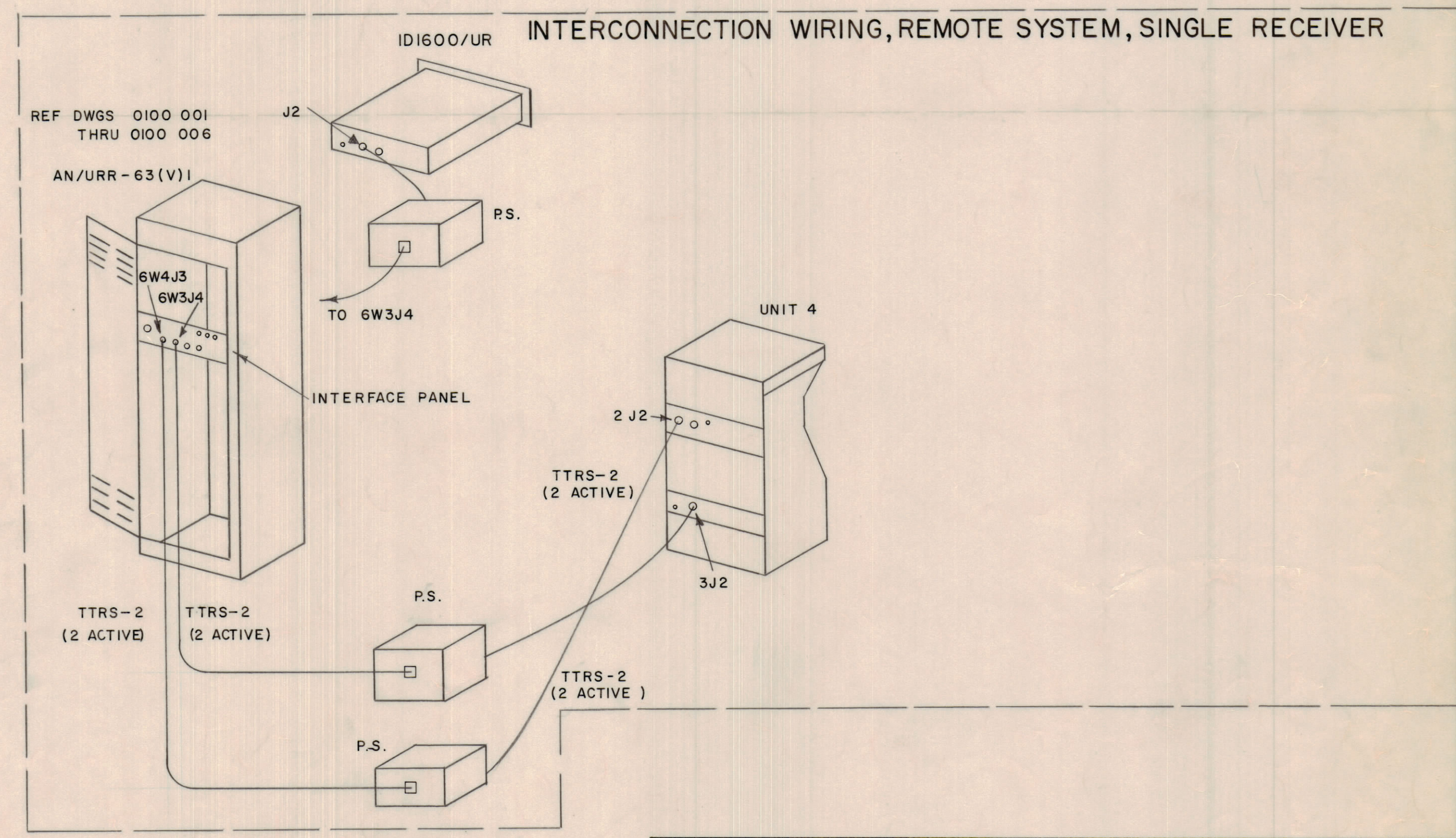


**POWER REQUIREMENTS**  
 VOLTAGE — 115 OR 230 ± 10%  
 PHASE — SINGLE  
 FREQUENCY — 50/60 ± 5%  
 WATTS — 168 MAX

CONTRACT NO: N600(63133)65805  
 NOTE: DRAWING IN ACCORDANCE WITH  
 MIL-D-23410 (SHIPS) 17 JAN 1962



INTERCONNECTION WIRING, REMOTE SYSTEM, DUAL RECEIVER



INTERCONNECTION WIRING, REMOTE SYSTEM, SINGLE RECEIVER

QTY / UNIT	MODEL USED ON	ASSY NO.
	APPLICATION	
	CODE	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

TOLERANCES ON  
 DECIMALS      FRACTIONS  
 X ± .05        ± 1/64  
 XX ± .01        ANGLES  
 .XXX ± .005     ± 0°-30'

QTY. REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
LIST OF MATERIAL				
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
RECEIVING SET, RADIO AN/URA-63 PICTORIAL SYSTEM DIAGRAM				
SIZE	CODE	IDENT NO.	DWG NO.	ISSUE
D	82679	ID	377	B
SCALE				SHEET 1 OF 6

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ITEM NUMBER	QUANTITY		NOMENCLATURE	PART TYPE OR MODEL NUMBER	MANUFACTURERS NAME OR FEDERAL SUPPLY CODE	REMARKS	SIZE		
	GF	CF					LENGTH	HEIGHT	WIDTH
1		1	PANEL, INDICATOR	SB-3230/UR		UNIT 1	2	1.75	19
2		1	INDICATOR, CHANNEL-FREQUENCY	ID-1600/UR		UNIT 2	17	5.25	19
3		1	PROGRAMMER, ELECTRONIC COMMAND SIGNAL	C-7775/UR		UNIT 3	15	7	19
4		1	CABINET, ELECTRICAL EQUIPMENT (& CABLING)	CY-6538/URA-63		UNIT 4	24	65	22
5	1		CABLE	TTRS-2 (1)		PROGRAMMING OUTPUT			
6	1		CABLE	TTRS-2 (1)		REARBACK INPUT			
7	1		CABLE, AC POWER	THFA-3		POWER INPUT			
8		1	GROUNDING STRAP	WL100-1 #10 AWG					
9		12	SCREW, MACHINE	SCBP 1032BN8		UNIT MTG			
10		12	WASHER, FIBER	WA101-11		UNIT MTG			
11	1		STRAP	WL100-7 #22 AWG		REARBACK INPUT(SEE TTY LOOP CHART)			
12		1	CONNECTOR, PLUG	MS3106B20-27S		FOR ITEM 5 (MATES WITH 3J2)			
13		1	CONNECTOR, PLUG	MS3106B20-27S		FOR ITEM 6 (MATES WITH 2J2)			

REVISIONS							
ZONE	LTR	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD
X		UPDATED TO 2-18-70 SUBMISSION	2-18-70			KD	
		ORIGINAL RELEASE FOR PRODUCTION	4/13/70				
		SEE SHEET 4 OF 6	7/16/70	19945			
		SEE SHEET 5 OF 6	4/28/70	20015			

TTY LOOP CHART	
TTY LOOP	STRAP USAGE
60 mA	STRAP
20 mA	NO STRAP

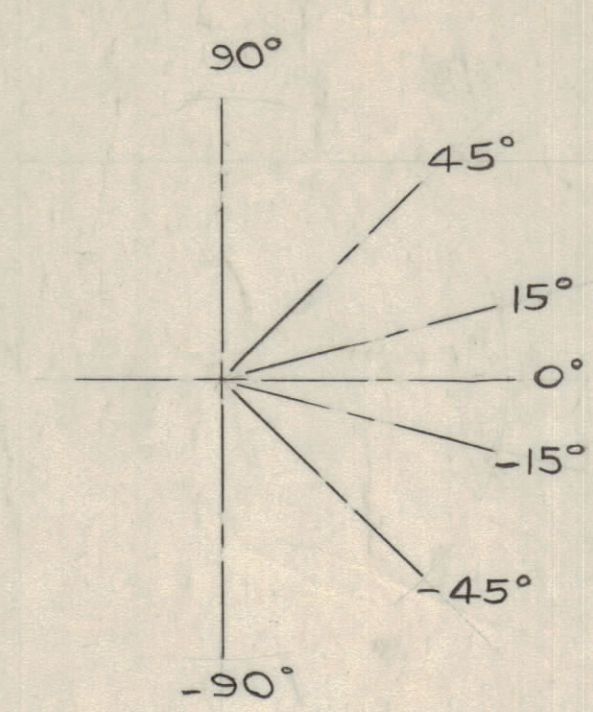
CONTRACT NO: N600(63133)65095  
 NOTE: DRAWING IN ACCORDANCE WITH MIL-D-23410(SHIPS) DATED 17 JANUARY 1962.

QTY / UNIT	MODEL USED ON	ASS'Y NO.
APPLICATION		
CODE		
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QTY. REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
LIST OF MATERIAL				
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
CONSOLE, REMOTE CONTROL AN/URA-63				
SUMMARY LIST OF INSTALLATION MATERIAL				
SIZE	CODE	IDENT. NO.	DWG NO.	ISSUE
D	82679	ID	377	B
SCALE NONE				SHEET 2 OF



REVISIONS						
ZONE	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD
	X1	UPDATED TO 2-18-70 SUBMISSION	2-24-70			
	Ø	ORIGINAL RELEASE FOR PRODUCTION	4/15/70			
	A	SEE SHEET 4 OF 6	7/16/70	139445	RH	pg.
	B	SEE SHEET 5 OF 6	10/5/70	20015	GE	1600



DETAIL 'A'  
SERVICING POSITIONS  
APPLICABLE ALL RACKS

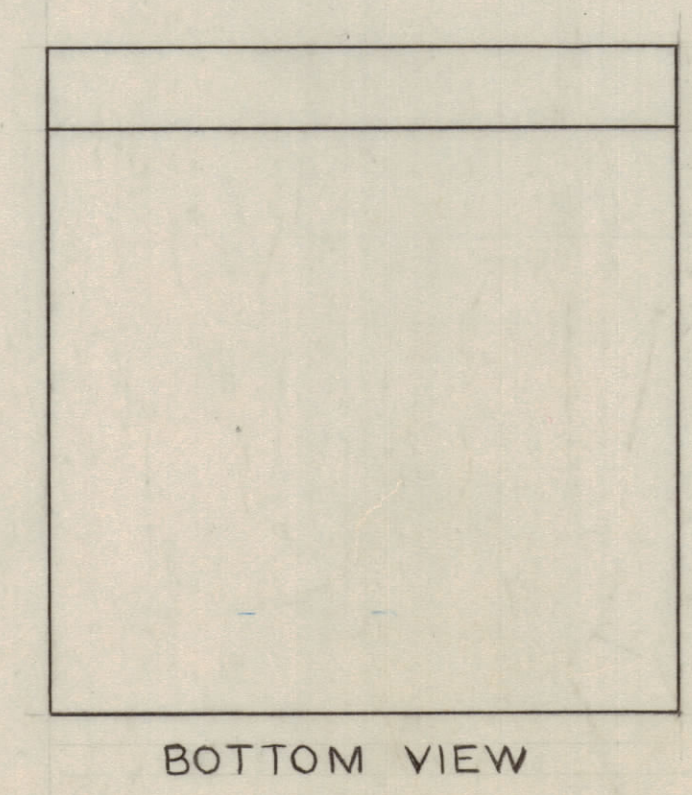
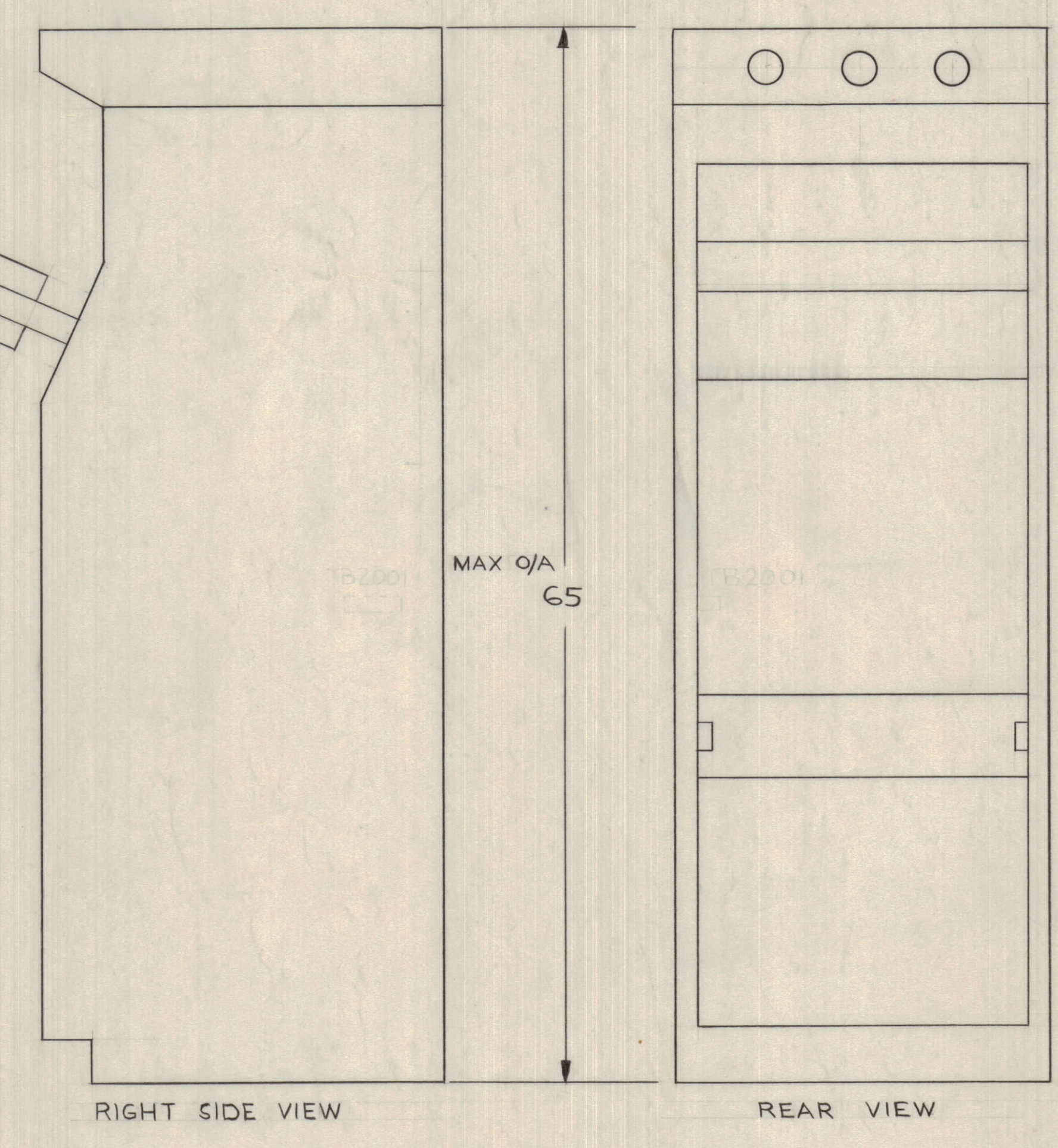
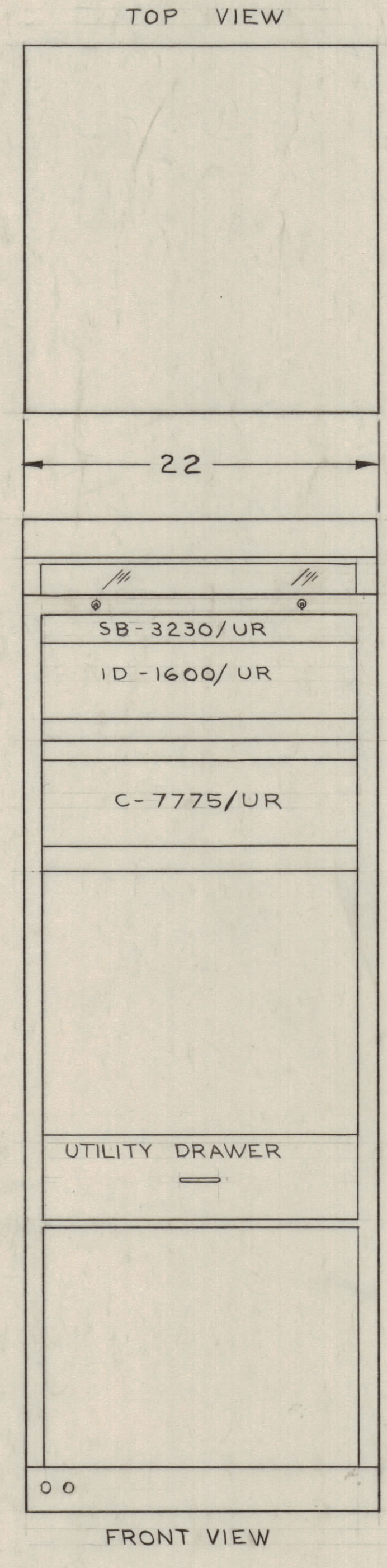
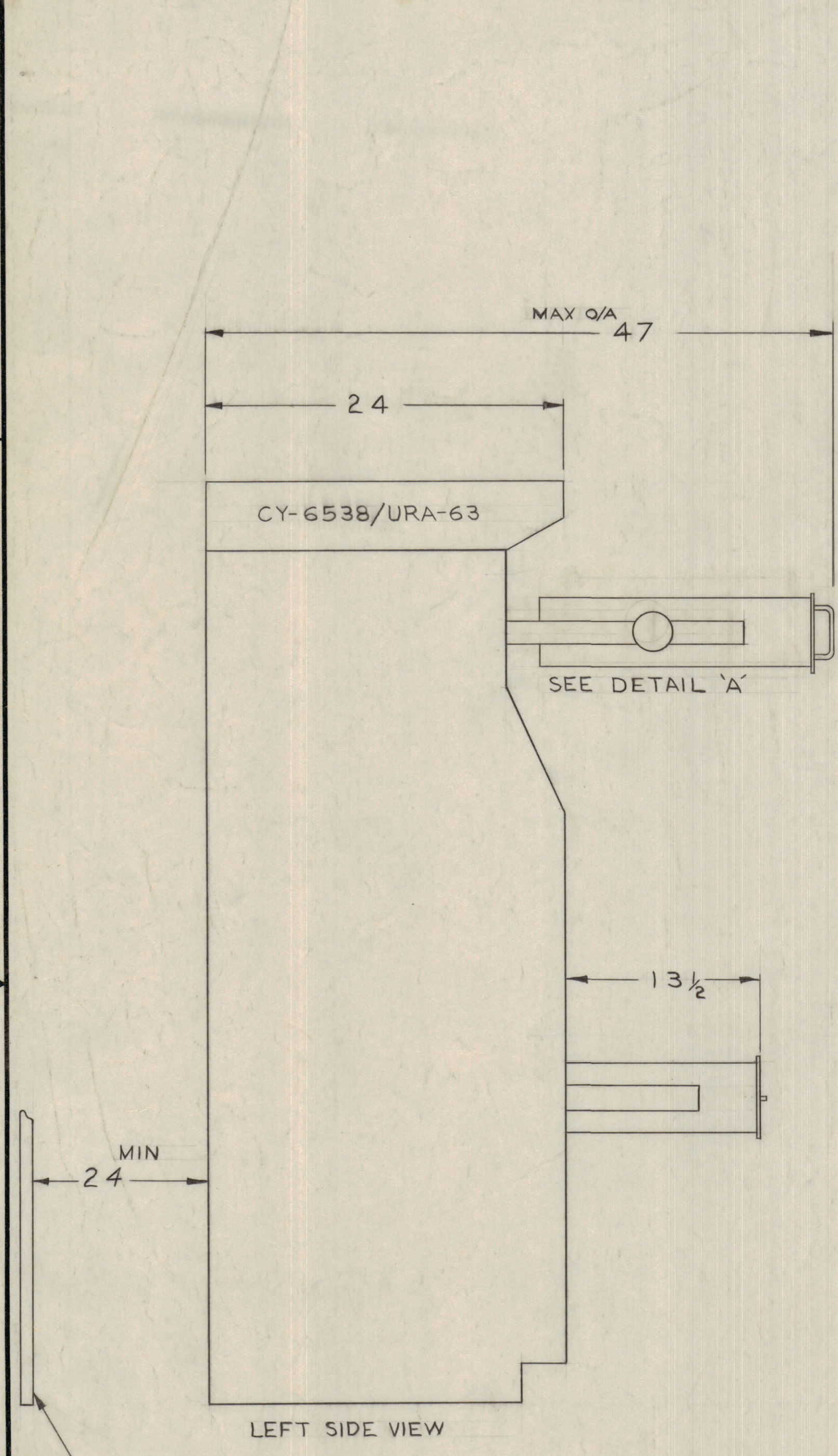
UNIT DATA

POWER REQ'D	168 WATTS
HEAT DISSIPATION	5.73 BTU/HR
TEMP RANGE	0°-50° C
WEIGHT	193 LBS
CUBIC AREA	18 CU FT
CRATED CU AREA	

CRATED DIMENSIONS

CONT NO.	L	W	H	CU AREA	WT
1	72	29	32 5/8	39.4 FT	435
2	36	26 3/4	34 3/4	19.4 FT	219

CONTRACT No. N600(63133)65805  
NOTE: DRAWING IN ACCORDANCE WITH  
MIL-D-23410(SHIPS) DATED 17 JAN 1962.



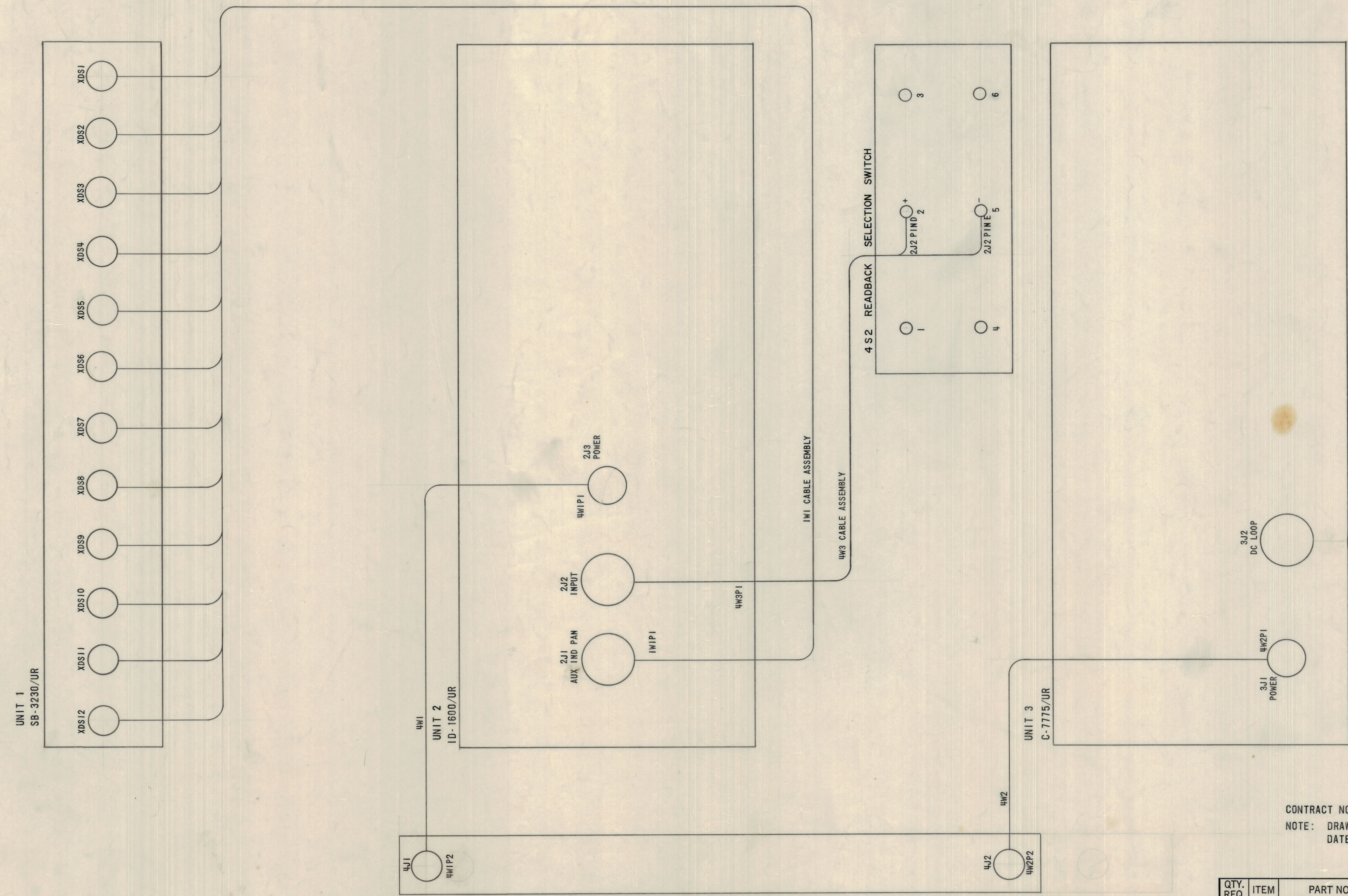
QTY / UNIT	MODEL USED ON	ASS'Y NO.
	COPD-2	0100 033
APPLICATION		
	CODE	
NOTICE TO PERSONS RECEIVING THIS DRAWING		
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QTY. REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
LIST OF MATERIAL				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		FINAL APPROVAL MECH. DES. ELECT. DES.	DATE 4-13-70 4-13-70	<b>THE TECHNICAL MATERIEL CORP.</b> MAMARONECK, NEW YORK  <b>CONSOLE, REMOTE CONTROL</b> AN/URA - 63 <b>OUTLINE &amp; MOUNTING DIMENSIONS</b>
TOLERANCES ON		CHECKED	DATE	
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005		DRAWN Deerlein	DATE 10-19-69	
FRACTIONS ± 1/64 ANGLES ± 0°-30'				
MATERIAL			SIZE	ISSUE
FINISH			CODE IDENT. NO. DWG NO.	
			D 82679 ID 377	B
			SCALE NONE	SHEET 3 OF

47%  
v-v



REVISIONS							
E.M.N.NO	DRAFT	CHKD	ZONE	LTR	DESCRIPTION	DATE	APPROVED
				X1	UPDATED TO 2-18-70 SUBMISSION	2-19-70	
				0	ORIGINAL RELEASE FOR PRODUCTION	4-15-70	
19945	11		A		ADD 4-S2 READBACK SELECTION SWITCH	7/16/70	PG CW
20015	GE		B		SEE SHEET 5 OF 6	10/5/70	PG CW



CONTRACT NO.: N600(63133)65805  
 NOTE: DRAWING IN ACCORDANCE WITH MIL-D-23410(SHIPS)  
 DATED 17 JANUARY 1962.

55076  
5-1

NOTE: FOR P.I.N CONNECTION FOR  
 REMOTE INTERCONNECT  
 SEE DWG NO. 10377

QTY / UNIT	MODEL USED ON	ASSY NO.
	CODE	0100 034

UNLESS OTHERWISE SPECIFIED  
 DIMENSIONS ARE IN INCHES  
 AND INCLUDE CHEMICALLY APPLIED  
 OR PLATED FINISHES

TOLERANCES ON

DECIMALS	FRACTIONS
.X ± .05	= 1/64
.XX ± .01	ANGLES
.XXX ± .005	= 0°-30'

MATERIAL

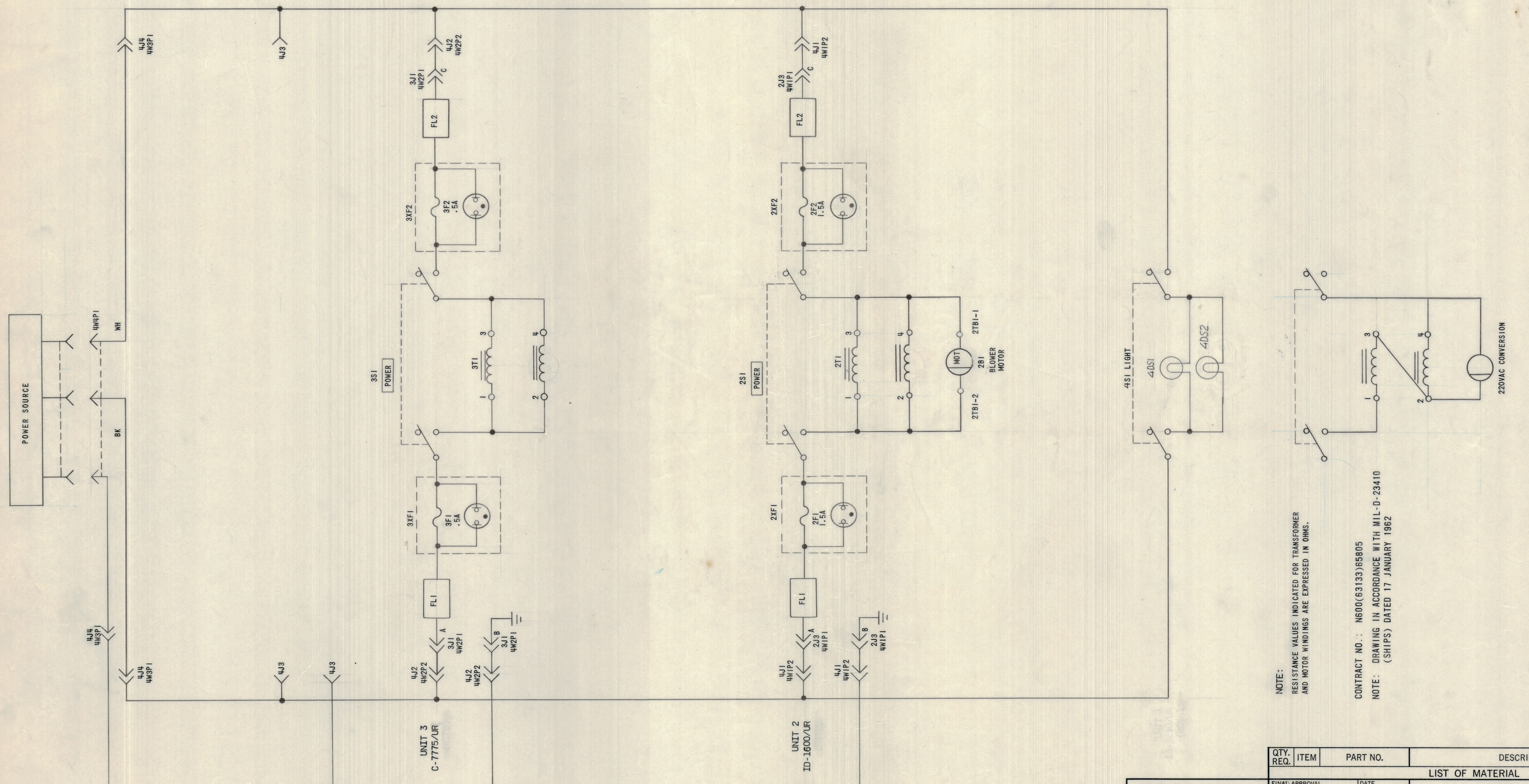
FINISH

QTY. REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
LIST OF MATERIAL				
FINAL APPROVAL			DATE	
MECH. DES.			DATE	
ELECT. DES.			DATE	
CHECKED			DATE	
DRAWN			DATE	
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK		<b>CONSOLE, REMOTE CONTROL            AN/URA-63            INTERCONNECTION DIAGRAM</b>		
SIZE CODE IDENT NO. DWG NO.				
D 82679 ID 377		ISSUE B		
SCALE NONE		SHEET 4 OF		

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REVISIONS							
E.M.N.NO	DRAFT	CHKD	ZONE	LTR	DESCRIPTION	DATE	APPROVED
	KD		X1		UPDATED TO 2-18-70 SUBMISSION	3-13-70	
					ORIGINAL RELEASE FOR PRODUCTION	4-15-70	
13945					SEE SHEET 4 OF 6	7/16/70	P.G. [Signature]
20015	GE		B		CHG. FLUORESCENT TO INCANDESCENT	10/5/70	PG1 [Signature]



NOTE:  
RESISTANCE VALUES INDICATED FOR TRANSFORMER  
AND MOTOR WINDINGS ARE EXPRESSED IN OHMS.

CONTRACT NO.: N600(63133)66805

NOTE: DRAWING IN ACCORDANCE WITH MIL-D-23410  
(SHIPS) DATED 17 JANUARY 1962

5590  
5-42

QTY / UNIT	MODEL USED ON	ASS'Y NO.
	APPLICATION	
	CODE	
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES	
TOLERANCES ON	
DECIMALS	FRACTIONS
.X ± .05	± 1/64
.XX ± .01	ANGLES
.XXX ± .005	± 0° - 30'
MATERIAL	
FINISH	

QTY. REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
LIST OF MATERIAL				
FINAL APPROVAL		DATE	THE TECHNICAL MATERIEL CORP.	
MECH. DES.		4-13-70	MAMARONECK, NEW YORK	
ELECT. DES.		DATE	CONSOLE, REMOTE CONTROL	
CHECKED		DATE	AN/URA-63	
DRAWN		DATE	AC POWER DISTRIBUTION	
MATERIAL		DATE	SIZE	CODE IDENT NO. DWG NO.
FINISH		DATE	D 82679	ID 377
SCALE NONE			SHEET 5 OF	



MFGR CODE	NAVY CABLE DESIGNATION	CABLE TYPE & SIZE	NO. OF ACTIVE CONDS	COLOR CODE	FROM	TERMINAL BOARD, PLUG OR JACK	TERMINAL OR PIN DESIGNATION	TO	TERMINAL BOARD, PLUG OR JACK	TERMINAL OR PIN DESIGNATION	FUNCTION	CURRENT IN AMPS	MAX ALLOW VOLT DROP	SUPPLIED BY
	TTRS-2		4		UNIT 3, REAR PANEL	3J2	D F G H E	TTY XMTR			PROGRAMMING OUTPUT: LO LEVEL USE NO 20mA ONE HI LEVEL NO 60mA COMMON HI LEVEL USE NC 60mA ONE LO LEVEL NC 20mA			
	TTRS-2		4		UNIT 4	4S2	1 4 3 6	TTY RCVR			READBACK INPUT A + - READBACK INPUT B + -			
	THFA-3		2		POWER SOURCE			POWER STRIP			AC POWER INPUT			

REVISIONS					DATE	APPROVED
E.M.N.NO	DRAFT	CHKD	ZONE	LTR	DESCRIPTION	
1994S	KLH	WLB			A SEE SHEET 4 OF 6	4-13-70 P.G. 200
2001S	GE	W			B SEE SHEET 5 OF 6	10/5/70 PG 100

CONTRACT NO.: N600(63133)65805  
 NOTE: DRAWING IN ACCORDANCE WITH MIL-D-23419(SHIPS)  
 DATED 17 JANUARY 1962.

QTY / UNIT	MODEL USED ON	ASS'Y NO.
	APPLICATION	
	CODE	

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UNLESS OTHERWISE SPECIFIED  
 DIMENSIONS ARE IN INCHES  
 AND INCLUDE CHEMICALLY APPLIED  
 OR PLATED FINISHES

TOLERANCES ON

DECIMALS	FRACTIONS
.X ± .05	± 1/64
.XX ± .01	ANGLES
.XXX ± .005	± 0° -30'

QTY. REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
LIST OF MATERIAL				
FINAL APPROVAL		DATE	<b>THE TECHNICAL MATERIEL CORP.</b> MAMARONECK, NEW YORK  <b>CONSOLE, REMOTE CONTROL</b> <b>AN/URA 63</b> <b>CABLE RUNNING SHEET</b>	
MECH. DES.		DATE		
ELECT. DES.		DATE		
CHECKED		DATE		
DRAWN		DATE	SIZE CODE IDENT NO. DWG NO. ISSUE D 82679 ID 377 B	
MATERIAL			SCALE	
FINISH			SHEET 6 OF	