

FIELD MAINTENANCE PRINT SET

TABLE OF CONTENTS

KL10-E

Field Maintenance Print Set

PRINT SET ORDER NO. :
MP00300

DRAWING NO.	REV.	DESCRIPTION
B-TC-KL10-E-4	M	KL10-E PRINT SET TABLE OF CONTENTS
B-DD-KL10-E	M	ARITHMETIC PROCESSOR (KL10-E) D.D.
D-UA-KL10-E-0	U	ARITHMETIC PROCESSOR
K-PL-KL10-E-DBP	U	ARITHMETIC PROCESSOR (P.L.)
D-IC-KL10-0-1	*	POWER DIAGRAM
D-IC-KL10-0-2	*	REGULATOR ASSY
E-UA-H760-0-0	H	RAW POWER SUPPLY H760
A-PL-H760-0-0	H	RAW POWER SUPPLY H760 (P.L.)
D-CS-H760A-0-1	B	CIRCUIT SCHEMATIC H760A
D-CS-H760B-0-1	B	CIRCUIT SCHEMATIC H760B
E-AD-7009409-0-0	C	DIODE HEAT SINK ASSY
D-AD-7009410-0-0	D	COMPONENT MTG PLATE ASSY
D-IC-H761-0-8	A	H761 WIRING DIAGRAM
E-UA-H761-0-0	J	REGULATED POWER SUPPLY
A-PL-H761-0-0	J	REGULATED POWER SUPPLY (P.L.)
D-IC-H761-0-1	A	CONTROL LOGIC
D-CS-G8010-0-1	C	-5.2 VOLT CONTROL
D-CS-G8011-0-1	C	-2 VOLT CONTROL
D-CS-G8013-0-1	B	+10V REFERENCES
D-CS-G8014-0-1	B	LOW VOLTAGE DETECTOR
D-CS-5410663-0-1	B	SERIES PASS -2.0V BOARD
D-CS-5410665-0-1	B	-5.2V BOARD
E-AD-7009404-0-0	E	REGULATED HEAT SINK ASSY (-2.0V)
A-PL-7009404-0-0	E	REGULATED HEAT SINK ASSY (-2.0V) (P.L.)
E-AD-7009405-0-0	E	REGULATED HEAT SINK ASSY (-5.2V)
A-PL-7009405-0-0	E	REGULATED HEAT SINK ASSY (-5.2V) (P.L.)
D-CS-7009404-0-1*		-2.0V HEAT SINK ASSY
D-CS-7009405-0-1*		-5.2 HEAT SINK ASSY
E-IA-7009545-0-0 *		HARNESS DRIVE, SCR. SCR RTN
D-IA-7009546-0-0 *		HARNESS SENSE
E-IA-7009547-0-0 A		HARNESS OPEN SENSE
E-AD-7009548-0-0 E		CAPACITOR BOX ASSY
E-UA-863-0-0	K	POWER CONTROLLER 863
A-PL-863-0-0	K	POWER CONTROLLER 863 (P.L.)
D-CS-863-0-1	F	CIRCUIT SCHEMATIC 863
D-CS-W516-0-1	D	AC LOW VOLTAGE DETECTOR
D-CS-W7000-0-1	C	AUX POWER SUPPLY
C-AD-7009632-0-0 C		WIRED ASSY (CHASSIS 863 P.C.)
K-PL-7009878-0-DBP E		CAPACITOR BOX ASSY (P.L.)
D-AD-7011418-0-0	J	CONSOLE PROCESSOR
K-PL-7011418-0-DBP J		CONSOLE PROCESSOR (P.L.)
D-AD-7010311-0-0 A		PLATE, CABLE CONVERSION ASSY

NOTE: A REVISION DESIGNATED AS "*" REPRESENTS THE INITIAL RELEASE REVISION OF A DRAWING IN THE CASE WHERE THE INITIAL RELEASE REVISION WAS "-", "*", OR WAS LEFT BLANK.

DRAWING NO.	REV.	DESCRIPTION
E-AD-7011639-0-0	*	SWITCH PANEL ASSY
C-CS-7011639-0-1	*	CIRCUIT SCHEMATIC
MP00301	B	KL10-PV PRINT SET
(REF. ONLY)		THIS PRINT SET CONTAINS DMA20 MODULES DTE20 MODULES MCA20 MODULES KL10-PV MODULES DIA20 MODULES
D-AD-7009876-0-0	A	VANE SWITCH ASSY
E-AD-7012278-0-0	D	LOGIC ASSY RH20/DTE20
A-PL-7012278-0-0	D	LOGIC ASSY RH20/DTE20 (P.L.)
E-AD-7009429-0-0	F	WIRED ASSY RH20/DTE20
A-PL-7009429-0-0	F	WIRED ASSY RH20/DTE20 (P.L.)
E-AD-7010088-0-0	D	BACKPLANE ASSY
D-UA-5411306-0-0	*	BACKPLANE
D-AD-7010103-0-0	C	SWITCH ASSY
D-UA-5411360-0-0	*	SWITCH BOARD
D-IA-7011520-0-0	*	VANE SWITCH ASSY
D-IA-7010211-0-0	B	MASS BUS CONNECTOR ASSY
D-UA-5411070-0-0	B	BOARD MASSBUS
E-AD-7009431-0-0	D	BACKPLANE ASSY (RH20)
D-UA-5410678-0-0	A	BACKPLANE
D-UA-5410677-0-0	A	BACKPLANE
D-IA-5009784-0-0	A	GROUND PLANE ASSY I/O CONN
C-IA-7008288-0-0	J	CABLE ASSY
C-UA-BC05F-0-0	C	CABLE INTERFACE
C-UA-M920-0-0	C	INTERNAL BUS CONN ASSY
D-UA-BC11A-0-0	H	CABLE ASSY (BC11A)
D-UA-BC06R-0-0	E	BC06R I/O CABLE
D-IA-BC20C-0-0	A	CONN ASSY SBUS
C-IA-5408780-0-0	*	PRIORITY JUMPER LEVEL #6
D-IA-7012210-0-0	*	POWER CORD (60HZ)
D-IA-7012275-0-0	A	POWER CORD (50HZ)
A-PL-KL10-E-SH	H	SHIP LIST KL10-E
C-IA-7017572-0-0	A	ASSY, THERMAL SWITCH
K-PL-7017572-0-DBP	A	ASSY, THERMAL SWITCH (P.L.)
D-AD-7018287-0-0	B	ASSY, DC VOLTAGE MONITOR MEMORY
K-PL-7018287-0-DBP	B	ASSY DC VOLTAGE MONITOR MEMORY (P.L.)

TITLE	SHEET	OF	SIZE	CODE	NUMBER	REV
ARITHMETIC PROCESSOR	2	3	B	TC	KL10-E-4	M

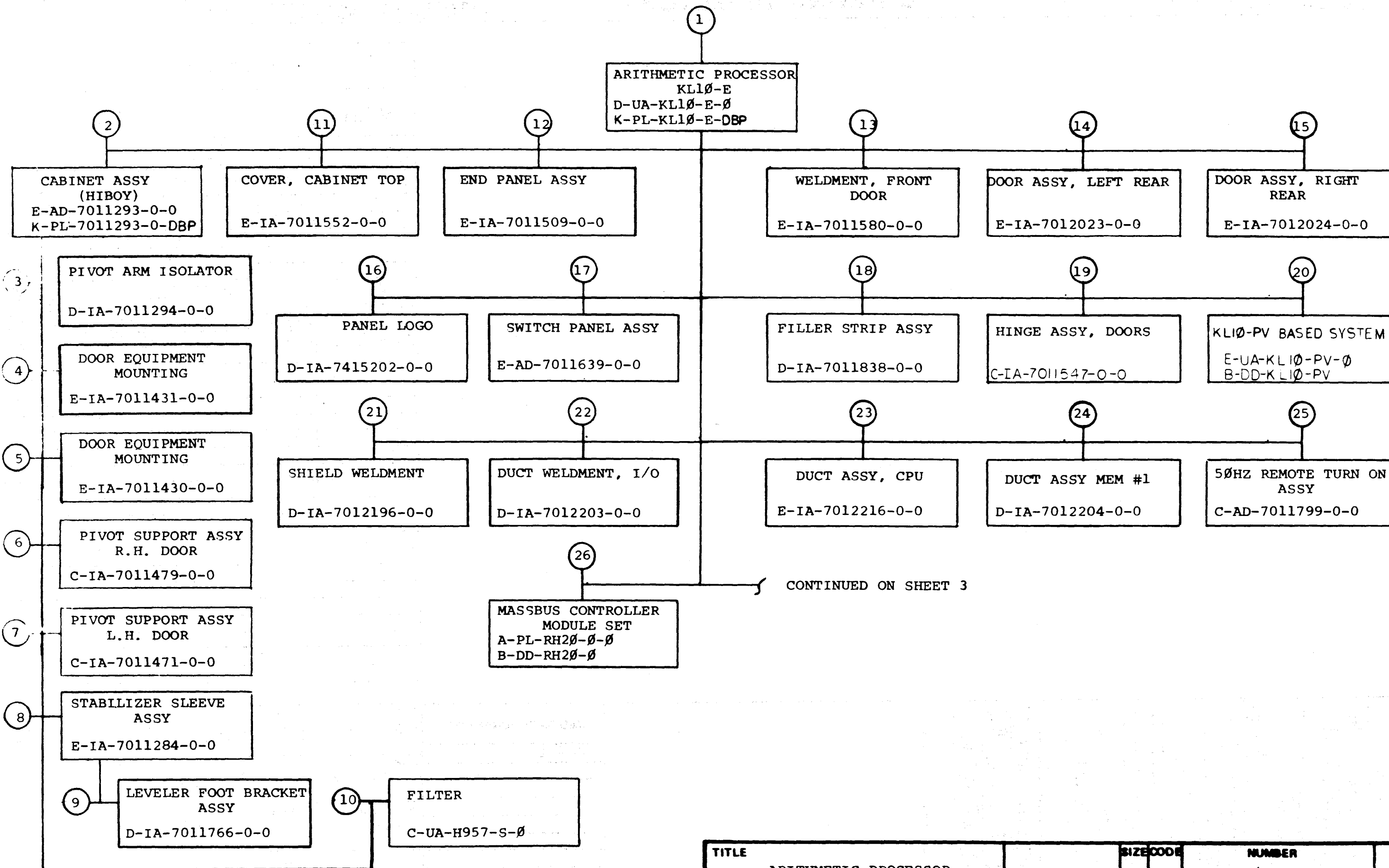
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DRAWING	REV.	DESCRIPTION
D-AD-7018268-C-C	B	ASSY. VOLTAGE MONITOR I/O #1
K-PL-7018268-0-DBP	B	ASSY. VOLTAGE MONITOR I/O #1 (P.L.)
D-EC-5014505-C-0	A	ETCH CUT DRAWING
D-UA-5414506-1-C	A	VOLTAGE MONITOR BOARD
K-PL-5414506-1-DBP	A	5414506 VOLTAGE MONITOR BOARD (KL10) (P.L.)
D-CS-5414506-1-1	A	VOLTAGE MONITOR BOARD
A-SP-5414506-1-2	A	VOLTAGE MONITOR

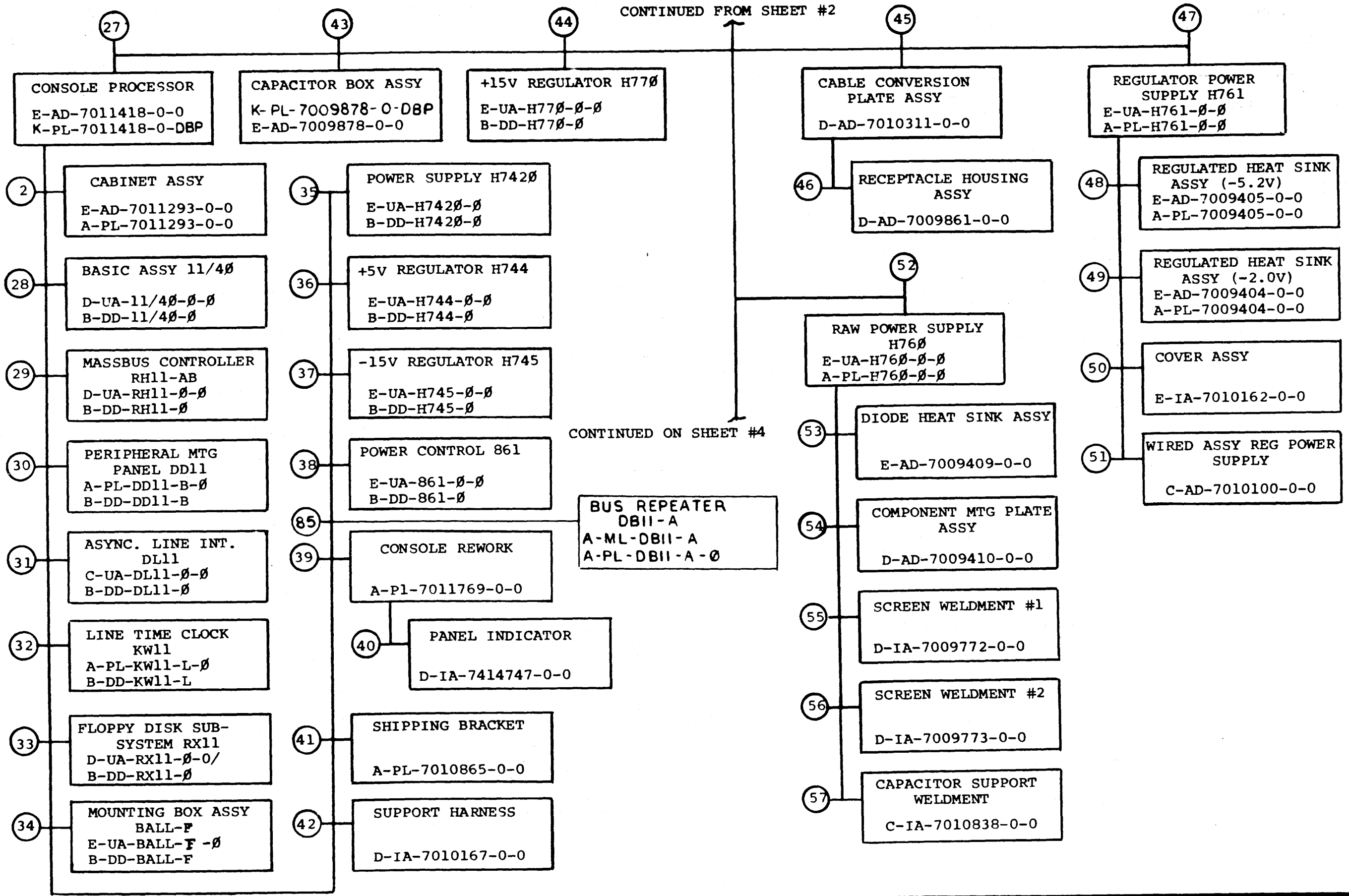
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UNIT VARIATIONS

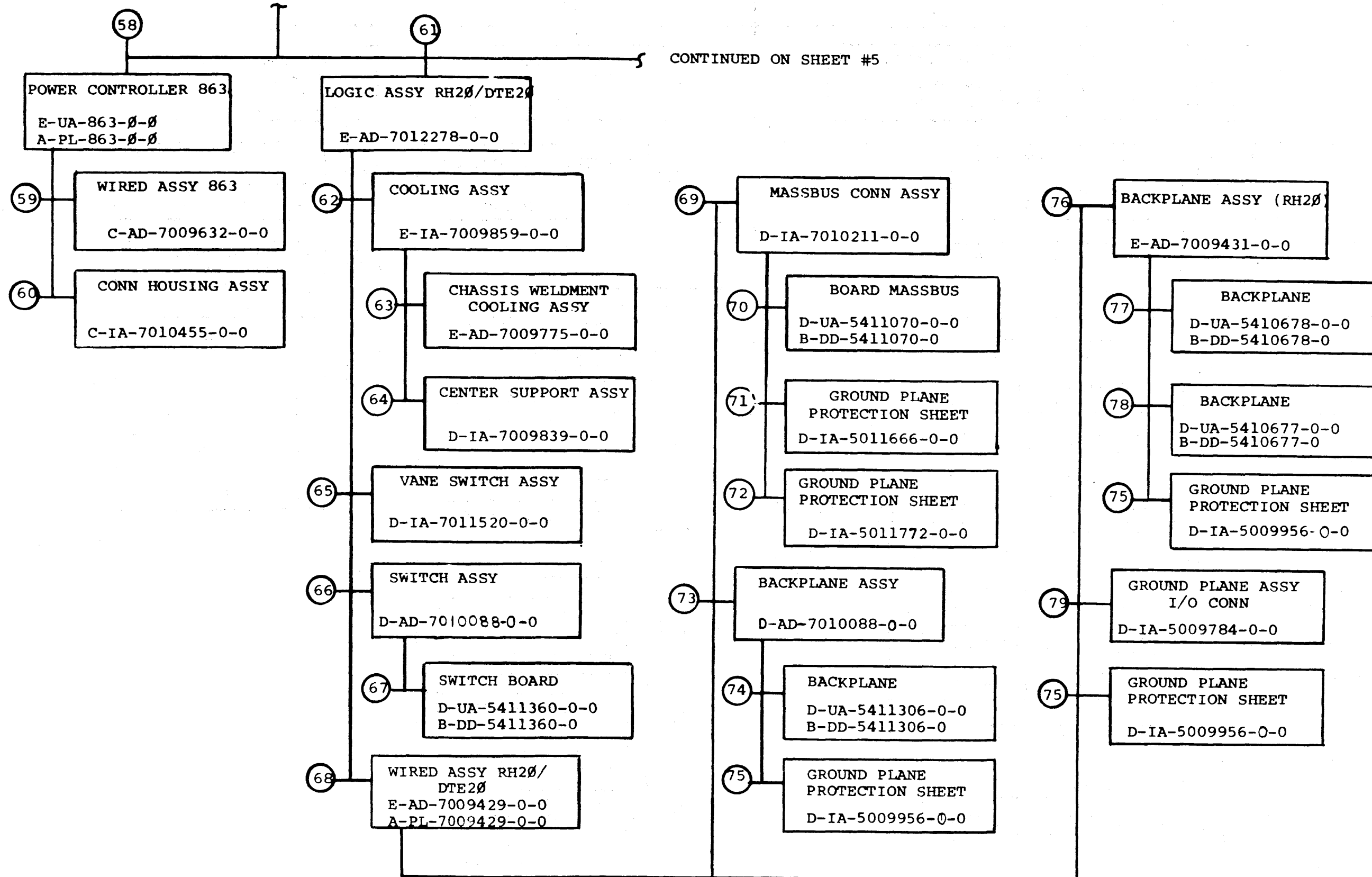
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TITLE	SHEET 2 OF 18	SIZE CODE	NUMBER	REV
ARITHMETIC PROCESSOR KL10-E	B DD	KL10-E	M	

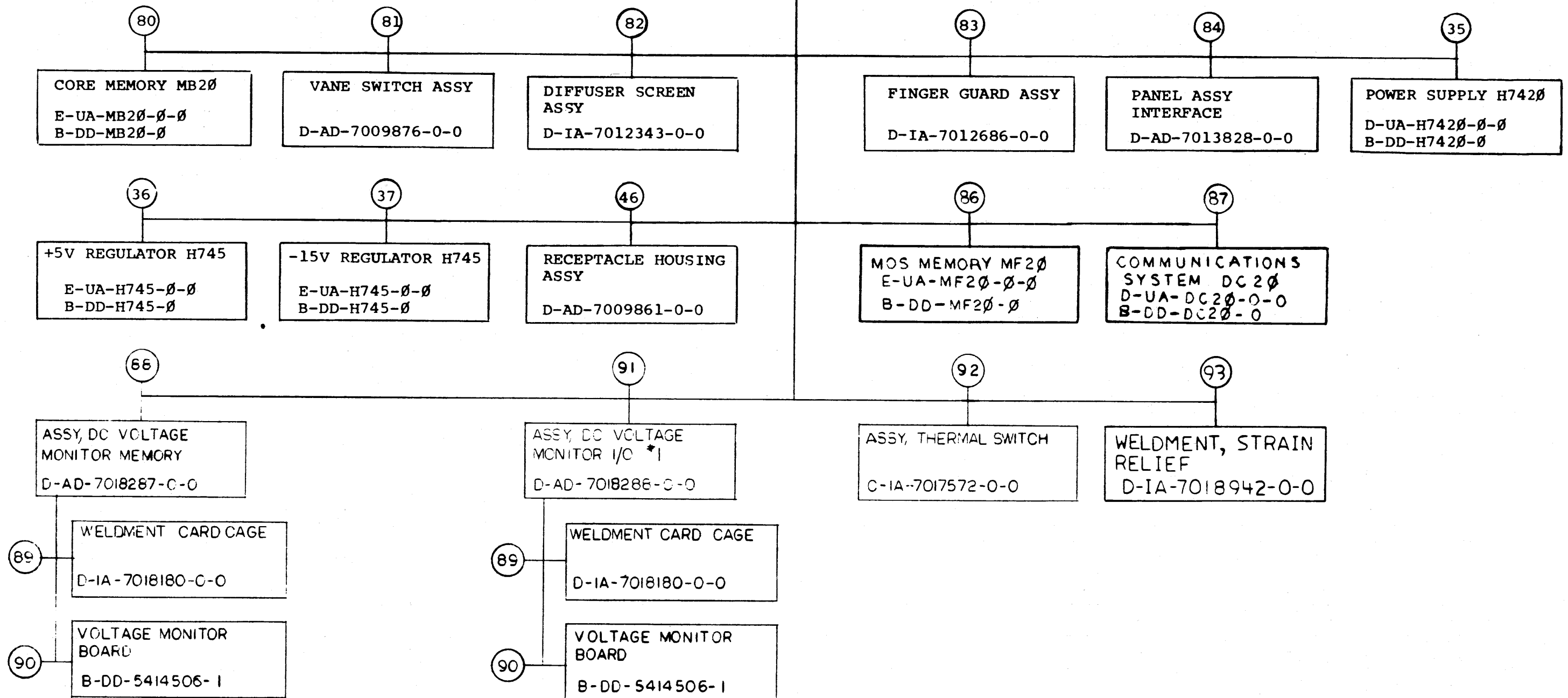


TITLE	SHEET	OF	SIZE	CODE	NUMBER	REV
ARITHMETIC PROCESSOR KL1Ø-E	3	18	B	DD	KL1Ø-E	M



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CONTINUED FROM SHEET #4



TITLE	SIZE	CODE	NUMBER	REV
ARITHMETIC PROCESSOR KL1Ø-E	B	DD	KL1Ø-E	M
SHEET 5 OF 18				

FIND NO.	DRAWING NO.	DESCRIPTION	TYPE	FIND NO.	DRAWING NO.	DESCRIPTION	TYPE
1	MP00300	KL10-E VOL. 1 FIELD MAINT. PRINT SET (MP)	-		J-IA-7011808-0-0	HARNESS FAULT INDICATOR	E/M
	B-TC-KL10-E-4	KL10-E VOL. 1 FIELD MAINT. PRINT SET (TC)	-		D-IA-7010877-0-0	HARNESS AC WIRING NO. 3	E/M
	MP00301	KL10-0 VOL. 2 FIELD MAINT. PRINT SET (MP)	-		D-IA-7010805-0-0	HARNESS AC WIRING NO. 1	E/M
	B-TC-KL10-0-5	KL10-0 VOL. 2 FIELD MAINT. PRINT SET (TC)	-		D-IA-7011432-0-0	POWER CORD EXTENSION	E/M
	D-UA-KL10-E-0	ARITHMETIC PROCESSOR	E/M		D-UA-BC06R-0-0	CABLE I/O	E/M
	K-PL-KL10-E-0BP	ARITHMETIC PROCESSOR (P.L.)	E/M		D-UA-BC11A-0-0	CABLE ASSY UNIBUS	E/M
	D-MD-7414725-0-0	PANEL GRILLE	M		D-UA-BC11A-02-0	CABLE ASSY UNIBUS	E/M
	E-MD-7412285-0-0	SHIELD EMI	M		D-UA-BC20C-0-0	CONN ASSY (SBUS)	E/M
	D-MD-7413892-0-0	PLATE PROTECTION	M		D-IA-7008288-0-0	CABLE ASSY	E/M
	D-MD-7415000-0-0	STIFFENER CAB	M		D-UA-BC05F-0-0	CABLE INTERFACE	E/M
	D-MD-7414616-0-0	STIFFENER CAB	M		D-UA-BC11A-13-0	CABLE ASSY	E/M
	D-MD-7414527-0-0	MTG PLATE #1 PWR SUPPLY	M		D-IA-7014407-0-0	POWER CORD (60HZ)	E/M
	D-MD-7414528-0-0	MTG PLATE #2 PWR SUPPLY	M		D-IA-7014409-0-0	POWER CORD (50HZ)	E/M
	D-IA-7412379-0-0	CONNECTOR PANEL	M		C-IA-7011025-0-0	CABLE ASSY	E/M
	C-MD-7414386-0-0	BRACKET (H317-B)	M		C-IA-7011831-0-0	CABLE ASSY	E/M
	C-IA-7414771-0-0	STRAIN RELIEF	M		C-IA-7011833-0-0	CABLE ASSY	E/M
	C-IA-7414772-0-0	CLAMP, STRAIN RELIEF	M		D-IA-7011920-0-0	POWER CORD EXTENSION	E/M
	D-MD-7414403-0-0	STRIP TOP FILLER	M		D-IA-7008288-3F-0	CABLE ASSY	E/M
	D-IA-7414726-0-0	SUPPORT, PIVOT FRONT DOOR	M		D-IA-7008288-06-0	CABLE ASSY	E/M
	C-IA-7414428-0-0	DOOR PIVOT TOP	M		J-IA-7012411-0-0	HARNESS DC I/O	E/M
	C-IA-7414615-0-0	MOUNTING PLATE, CAPACITOR BOX	M		D-IC-KL10-0-IOC1	EBUS CABLE I/O TO CPU	E
	A-DC-7415437-0-0	DECAL LP20	M		D-IC-KL10-0-IOC2	EBUS CABLE I/O TO CPU	E
	D-IA-7414529-0-0	SUPPORT, POWER SUPPLY	M		D-IC-KL10-0-SBUS	SBUS CABLE MEMORY TO CPU	E
	C-MD-7414318-0-0	KEY BUTTON	M		D-IC-KL10-0-EBUS	EBUS CABLE	E
	D-MD-7415271-0-0	PLATE FAN MTG (I/O)	M		D-CS-KL10-0-UBCI	UNIBUS CABLE IN	E
	C-MD-7415200-0-0	PLATE PIVOT	M		D-CS-KL10-0-UBCO	UNIBUS CABLE OUT	E
	C-IA-7415108-0-0	BRACKET TOP DOOR LATCH	M				
	C-IA-7415107-0-0	BRACKET BOTTOM DOOR LATCH	M				
	C-IA-7013059-0-0	STRAP, GROUND	E		A-PL-KL10-E-SH	SHIP LIST	E/M
	D-MD-7415394-0-0	SHIELD	M		A-SP-KL10-C-Pl	PACKAGING INSTRUCTIONS	M
	B-IA-7415268-0-0	SUPPORT SHIELD	M		A-PL-KL10-E-KIT	HARDWARE KIT KL10-E	M
	B-MD-7416512-0-0	PIN DOOR RETAINER	M				M
	A-DC-7409872-0-0	DECAL POWER HARNESS	M		C-MD-7418502-0-0	H760 PWR SUPPLY COVER PLATE	M
	B-MD-7411296-0-0	SPACER HEAT SINK	M		A-PL-DTE20-0-0	10/11 INTERFACE MODULE SET (SEE BELOW)	E/M
	A-DC-7412561-0-0	DECAL POWER INTERLOCK	M				
	C-IA-7415201-0-0	PLATE ADAPTER	M		D-UA-M8552-0-0	10/11 DATA PATH	E/M
	C-IA-7415410-0-0	RETAINER FILTER	M		B-DD-M8552-0	M8552 DRAWING DIRECTORY	E/M
	C-MD-7415438-0-0	FILLER STRIP	M				
	C-MD-7415476-0-0	COVER SHIELD	M		D-UA-M8553-0-0	10/11 BUS AND DATA CONROL	E/M
	B-MD-7415420-0-0	BRACKET MEM #1	M		B-DD-M8553-0	M8553 DRAWING DIRECTORY	E/M
	C-MD-7415400-0-0	BRACKET LEFT SIDE (CPU)	M				
	C-MD-7415399-0-0	BRACKET RIGHT SIDE (CPU)	M		D-UA-M8554-0-0	10/11 BUS DATA CONTROL	E/M
	B-MD-7415413-0-0	BRACKET NO. 1 (I/O)	M		B-DD-M8554-0	M8554 DRAWING DIRECTORY	E/M
	B-MD-7415412-0-0	BRACKET NO. 2 (I/O)	M				
	A-DC-7415449-0-0	DECAL, CAUTION	M		C-IA-5408780-0-0	PRIORITY PLUG	E/M
	C-IA-7415646-0-0	PLATE, ADAPTER	M				M
	D-IA-7415649-0-0	BRACKET, CABLE ROUTING	M				
	C-MD-7415648-0-0	INSULATOR	M		D-AD-7015507-0-0	CSA LOCKING KIT	M
	D-MD-7415825-0-0	BRACKET STRAIN RELIEF	M		D-MD-7419286-0-0	INTER CABINET DRIP SHIELD	M
	D-IA-7415826-0-0	SUPPORT, STRAIN RELIEF	M		D-IA-7413405-0-0	PANEL FILLER H7420	M
	J-IA-7009419-0-0	HARNESS DC TOP (CPU)	E/M		D-IA-7016447-0-0	ASSEMBLY STRAIN RELIEF	M
	J-IA-7010855-0-0	HARNESS DC BOTTOM (CPU)	E/M				
	J-IA-7009427-0-0	HARNESS SENSE (CPU)	E/M				
TYPE: E ELECTRICAL M MECHANICAL E/M ELECTRO/MECHANICAL				TITLE ARITHMETIC PROCESSOR KL10-E			SIZE CODE B DD
DRB 108A				SHEET 6 OF 16			NUMBER KL10-E
							REV. M

MR

FIND NO.	DRAWING NO.	DESCRIPTION	TYPE
17	E-AD-7011639-0-0	SWITCH PANEL ASSY	E/M
	D-IA-7414540-0-0	PLATE SWITCH MOUNTING	M
	D-MD-7414541-0-0	CHASSIS SWITCH PANEL	M
	B-MD-7414143-0-0	SPACER	M
	B-MD-7413680-0-0	LOCK SWITCH	M
	A-DC-7409873-0-0	DECAL PWR CONN	M
	E-IA-7011640-0-0	HARNESS SWITCH PANEL	E/M
	D-CS-7011639-0-1	CIRCUIT SCHEMATIC	E
18	D-IA-7011838-0-0	FILLER STRIP ASSY	M
	D-MD-7414409-0-0	FILLER STRIP	M
	D-MD-7414542-0-0	CAP CORNER (STAMPING)	M
19	C-IA-7011547-0-0	HINGE ASSY (DOORS)	M
	C-IA-7011547-1-0	HINGE ASSY (DOORS) L.H.	M
	C-MD-7414834-0-0	BRACKET HINGE	M
	C-MD-7415504-0-0	GUSSET	
20	E-DE-KL10-PV	KL10-PV BASED SYSTEM	
	E-UA-KL10-PV-0	KL10-PV CPU LOGIC ASSY	
21	D-IA-7012196-0-0	SHIELD WELDMENT	M
	D-MD-7415269-0-0	SHIELD DRIP	M
	C-MD-7415393-0-0	SHIELD STRENGTHENER	M
22	D-IA-7012203-0-0	DUCT WELDMENT I/O	M
	D-MD-7415416-0-0	HOUSING DUCT TOP	M
	C-MD-7415415-0-0	PLATE, BOTTOM	M
	C-MD-7415414-0-0	SCREEN, INLET	M
23	E-IA-7012216-0-0	DUCT ASSY (CPU)	M
	D-IA-7415397-0-0	DUCT PAN (CPU)	M
	C-MD-7415398-0-0	SCREEN DUCT (CPU)	M
	C-MD-7415401-0-0	DUCT COVER (CPU)	M
24	D-IA-7012204-0-0	DUCT ASSY (MEM #1)	M
	C-MD-7415419-0-0	SCREEN	M
	C-MD-7415418-0-0	DUCT TOP	M
	C-MD-7415417-0-0	BOTTOM PLATE	M
25	C-AD-7011799-0-0	50HZ REMOTE TURN ON ASSY	M
	C-MD-7414776-0-0	COVER	M
	C-MD-7414777-0-0	PLATE MTG	M
	B-DC-5308944-0-0	12 POINT DECALS	M
	B-DC-5308944-33-0	12 POINT DECALS	M
	B-DC-5308944-39-0	12 POINT DECALS	M

TYPE: E ELECTRICAL
M MECHANICAL
E/M ELECTRO/MECHANICAL

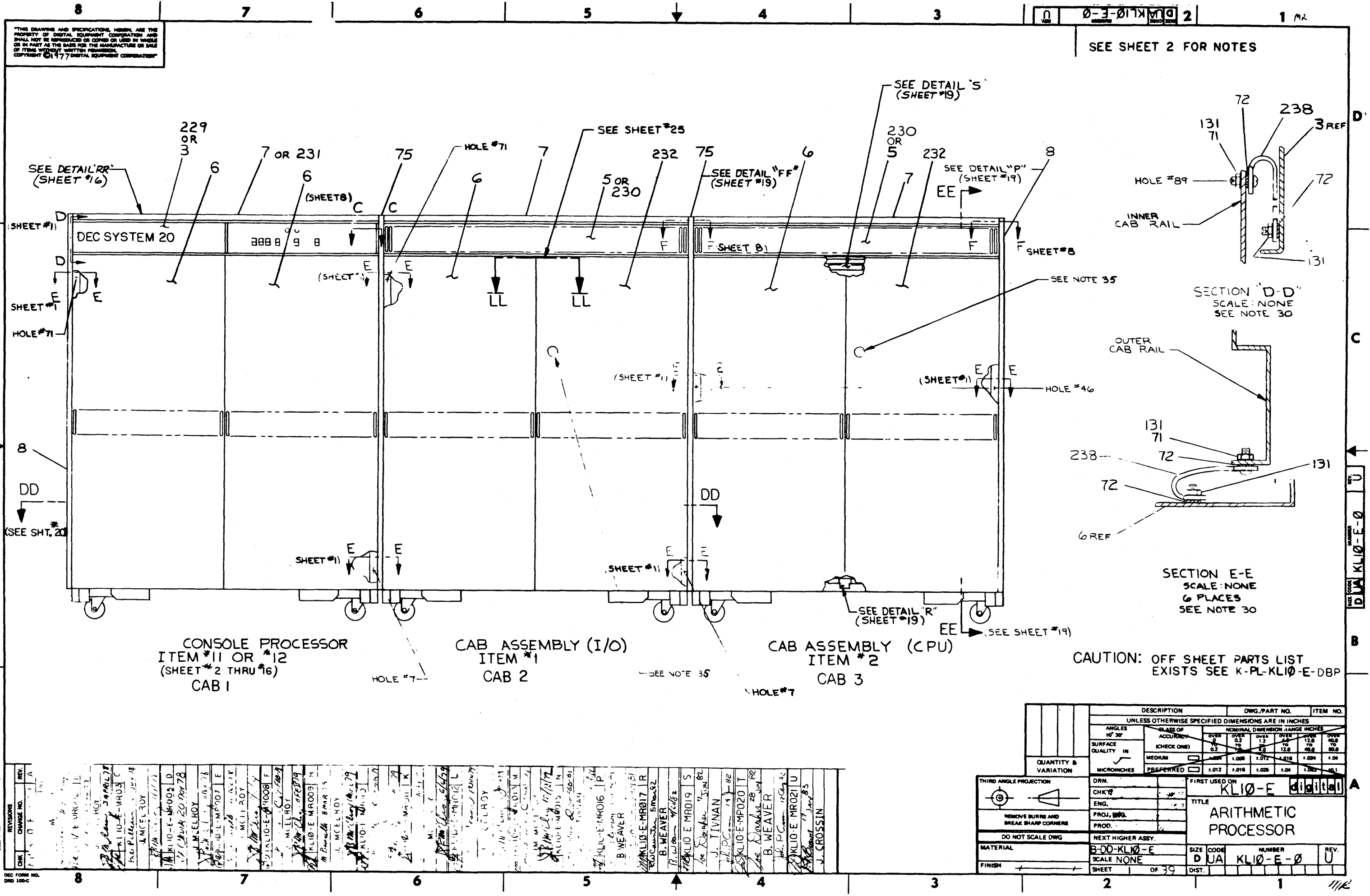
TITLE ARITHMETIC PROCESSOR
KL10-E

SHEET 9 OF 10

SIZE B CODE DD NUMBER KL10-E REV M

FIND NO.	DRAWING NO.	DESCRIPTION	TYPE	FIND NO.	DRAWING NO.	DESCRIPTION	TYPE
55	D-IA-7009772-0-0	SCREEN WELDMENT #1	M		D-CS-W516-Ø-1	L.V. DETECTOR	
	C-MD-7411708-0-0	BRACKET SCREEN #1	M		D-CS-W8Ø15-Ø-1	CONTROL LOGIC	E
	C-MD-7411555-0-0	PROTECTION SCREEN #1	M		D-CS-W8Ø17-Ø-1	INDICATOR DRIVER	E
					D-CS-W7ØØØ-Ø-1	POWER SUPPLY	E
56	D-IA-7009773-0-0	SCREEN WELDMENT #2	M				
	D-MD-7411709-0-0	BRACKET SCREEN #2	M				
	D-MD-7411557-0-0	PROTECTION SCREEN #2	M	59	C-AD-7009632-0-0	WIRED ASSY 863	E/M
					B-MD-7409755-0-0	MTG BAR CONN BLOCK	M
					A-WT-7009632-0	AWT STATUS SHEET	E
57	C-IA-7010838-0-0	CAPACITOR SUPPORT WELDMENT	M				
	C-IA-7413132-0-0	PLATE CAP MOUNTING	M				
	C-IA-7413456-0-0	BRACKET CAP MOUNTING	M	60	C-IA-7010455-0-0	CONN HOUSING ASSY	M
					C-IA-7012904-0-0	CONN HOUSING PART 1	M
					C-IA-7012905-0-0	CONN HOUSING PART 2	M
58	E-UA-863-Ø-Ø	POWER CONTROLLER 863	E/M				
	A-PL-863-Ø-Ø	POWER CONTROLLER 863 (P.L.)	E/M				
	E-IA-7412288-0-0	CHASSIS POWER CONTROL	M	61	E-AD-7012278-0-0	LOGIC ASSY RH2Ø DTE2Ø	E/M
	E-IA-7412256-0-0	PANEL FRONT	M		A-PL-7012278-0-0	LOGIC ASSY RH2Ø DTE2Ø (P.L.)	E/M
	D-IA-7412187-0-0	SUPPORT FILTER NO. 1	M		D-UA-M8559-Ø-Ø	I/O BOX CLOCK DISTRIBUTION	E/M
	D-IA-7411290-0-0	COVER POWER CONTROL	M		B-DD-M8559-Ø	M8559 DRAWING DIRECTORY	E/M
	C-IA-7412113-0-0	CONN BRACKET NO. 1	M				
	D-IA-7412118-0-0	CONN BRACKET NO. 2	M				
	B-DC-7413472-0-0	DECAL 863 PWR CONTROL	M				
	E-IA-7412278-0-0	PANEL SIDE	M				
	C-MD-7412280-0-0	CONN BRACKET NO. 3	M				
	C-IA-7413005-0-0	PLATE OUTLET 30 AMP	M				
	D-IA-7010732-0-0	HARNESS CAPACITOR	E/M				
	D-IA-7010734-0-0	HARNESS DC NO. 5	E/M				
	E-IA-7010585-0-0	HARNESS DC NO. 2	E/M	62	E-IA-7009859-0-0	COOLING ASSY	M
	E-IA-7010586-0-0	HARNESS DC NO. 1	E/M		D-IA-7411599-0-0	DOOR RIGHT	M
	D-IA-7010731-0-0	HARNESS AC NO. 4	E/M		D-IA-7411600-0-0	DOOR LEFT	M
	D-IA-7010733-0-0	HARNESS FAULT INDICATOR	E/M		B-IA-7411807-0-0	BRACKET MICROSWITCH	M
	E-IA-7010587-0-0	HARNESS DC NO. 3	E/M		B-MD-7411498-0-0	PLATE COVER	M
	E-IA-7010588-0-0	HARNESS TRANSFORMER AC	E/M		C-MD-7412366-0-0	COVER CABLE	M
	D-CS-863-Ø-1	CIRCUIT SCHEMATIC	E				
TYPE: E ELECTRICAL M MECHANICAL E/M ELECTRO/MECHANICAL				TITLE ARITHMETIC PROCESSOR KL1Ø-E			
				SHEET 14 OF 16		SIZE B	CODE DD
						NUMBER KL1Ø-E	
						REV M	

FIND NO.	DRAWING NO.	DESCRIPTION	TYPE	FIND NO.	DRAWING NO.	DESCRIPTION	TYPE
				85	A-PL-DB11-A-0 A-ML-DB11-A	BUS REPEATER DB11-A DB11-A MASTER LIST	E/M E/M
80	E-UA-MB20-0-0 E-UA-MB20-GB-0 B-DD-MB20-0	CORE MEMORY MB20 CORE MEMORY MB20 MB20 DRAWING DIRECTORY	E/M E/M E/M				
				86	E-UA-MF20-0-0 B-DD-MF20-0 C-PL-MF20-0-0	MOS MEMORY MOS MEMORY MF20 (DRAWING DIRECTORY) MOS MEMORY (PARTS LIST)	E/M E/M E/M
81	D-AD-7009876-0-0 D-MD-7411372-0-0	VAN SWITCH ASSY BRACKET SWITCH	E/M M				
82	D-1A-7012343-0-0 D-MD-7415530-0-0 D-MD-7415623-0-0	DIFFUSER SCREEN ASSY DIFFUSER SCREEN BRKT MTG DIFFUSER	M M M	87	D-UA-DC20-0-0 B-DD-DC20-0 C-PL-DC20-0-0	DC20 COMM. EXP SYSTEMS COMMUNICATIONS SYSTEM DC20 (DRAWING DIRECTORY) DC20 COMM. EXP SYSTEMS (PARTS LIST)	E/M E/M E/M
83	D-1A-7012686-0-0 D-MD-7417085-0-0 D-MD-7416580-0-0	FINGER GUARD ASSY HOUSING SCREEN	M M M	88	D-AD-7018287-0-0 K-PL-7018287-0-DBF A/D-SP-7018287-0-1 J-1A-7018284-0-0 C-1A-7424854-0-0 A-PS-3617568-0-0 A-SF-3700599-0-0	ASSY DC VOLTAGE MONITOR MEMORY ASSY DC VOLTAGE MONITOR MEMORY DC VOLTAGE MONITOR-MEMORY INSTALLATION PROCEDURE HARNESS, MEMORY DC MONITOR PLATE, FRONT LABEL, SET, DCV MONITOR PKG KIT 7018287 DC VOLTAGE MONITOR	E/M E/M E/M M M M
84	D-AD-7013838-0-0 D-1A-7418364-0-0	PANEL ASSY INTERFACE PANEL CONNECTOR	M M	89	D-1A-701918C-0-0 K-PL-701813C-0-DBF C-MD-7424853-0-0 D-1A-7424852-0-0	WELDMENT, CARD CAGE WELDMENT, CARD CAGE BRACKET, CARD GUIDE PANEL, SIDE	M M M M
TYPE: E ELECTRICAL M MECHANICAL E/M ELECTRO/MECHANICAL				TITLE ARITHMETIC PROCESSOR KL10-E			
				SHEET 17 F 18		SIZE B CODE DD	NUMBER KL10-E REV M



SEE SHEET 2 FOR NOTES

SECTION "D-D"
SCALE: NONE
SEE NOTE 30

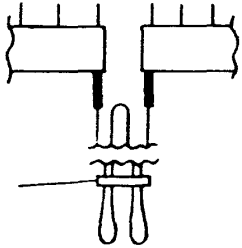
SECTION E-E
SCALE: NONE
6 PLACES
SEE NOTE 30

CAUTION: OFF SHEET PARTS LIST
EXISTS SEE K-PL-KL10-E-DBP

DESCRIPTION		DWG./PART NO.		ITEM NO.					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES									
ANGLES 10° 30'		CLASS OF ACCURACY		NOMINAL DIMENSION RANGE INCHES					
SURFACE QUALITY	IN	(CHECK ONE)		OVER TO	UNDER TO				
		MEDIUM	1.000	1.012	1.018	1.025	1.034		
MICRONCHES		PREFERRED		1.012	1.018	1.025	1.034	1.040	1.046
PROJECTION		DRN.	CHK'D	FIRST USED ON		KL10-E digital			
		ENG.	PROJ. ENG.	TITLE		ARITHMETIC PROCESSOR			
REMOVE BURRS AND BREAK SHARP CORNERS		PROD.							
DO NOT SCALE DWG		NEXT HIGHER ASSY.							
		B-DD-KL10-E		SIZE CODE		NUMBER		REV.	
		SCALE NONE		D UA		KL10-E-0		U	
SHEET		OF 39		DIST.					

REV.	DESCRIPTION	DATE	BY	CHKD.
1	KL10-E-MR001	11/12	J. CROSSIN	
2	KL10-E-MR002	11/12	J. CROSSIN	
3	KL10-E-MR003	11/12	J. CROSSIN	
4	KL10-E-MR004	11/12	J. CROSSIN	
5	KL10-E-MR005	11/12	J. CROSSIN	
6	KL10-E-MR006	11/12	J. CROSSIN	
7	KL10-E-MR007	11/12	J. CROSSIN	
8	KL10-E-MR008	11/12	J. CROSSIN	
9	KL10-E-MR009	11/12	J. CROSSIN	
10	KL10-E-MR010	11/12	J. CROSSIN	
11	KL10-E-MR011	11/12	J. CROSSIN	
12	KL10-E-MR012	11/12	J. CROSSIN	
13	KL10-E-MR013	11/12	J. CROSSIN	
14	KL10-E-MR014	11/12	J. CROSSIN	
15	KL10-E-MR015	11/12	J. CROSSIN	
16	KL10-E-MR016	11/12	J. CROSSIN	
17	KL10-E-MR017	11/12	J. CROSSIN	
18	KL10-E-MR018	11/12	J. CROSSIN	
19	KL10-E-MR019	11/12	J. CROSSIN	
20	KL10-E-MR020	11/12	J. CROSSIN	
21	KL10-E-MR021	11/12	J. CROSSIN	
22	KL10-E-MR022	11/12	J. CROSSIN	
23	KL10-E-MR023	11/12	J. CROSSIN	
24	KL10-E-MR024	11/12	J. CROSSIN	
25	KL10-E-MR025	11/12	J. CROSSIN	
26	KL10-E-MR026	11/12	J. CROSSIN	
27	KL10-E-MR027	11/12	J. CROSSIN	
28	KL10-E-MR028	11/12	J. CROSSIN	
29	KL10-E-MR029	11/12	J. CROSSIN	
30	KL10-E-MR030	11/12	J. CROSSIN	
31	KL10-E-MR031	11/12	J. CROSSIN	
32	KL10-E-MR032	11/12	J. CROSSIN	
33	KL10-E-MR033	11/12	J. CROSSIN	
34	KL10-E-MR034	11/12	J. CROSSIN	
35	KL10-E-MR035	11/12	J. CROSSIN	
36	KL10-E-MR036	11/12	J. CROSSIN	
37	KL10-E-MR037	11/12	J. CROSSIN	
38	KL10-E-MR038	11/12	J. CROSSIN	
39	KL10-E-MR039	11/12	J. CROSSIN	

NOTES:

1. THERE IS AN INTERLOCK ARRANGEMENT IN EFFECT BETWEEN THE STABILIZER ARMS AND THE 11/40 AND PERIPHERALS DRAWER. NEITHER DRAWER WILL SLIDE OUT UNTIL THE STABILIZER ARM ASSOCIATED WITH THAT DRAWER IS FULLY EXTENDED. BOTH STABILIZER ARMS SHOULD BE EXTENDED WHEN EITHER DRAWER IS PULLED OUT IN ORDER TO PROVIDE AN ADDED FACTOR OF STABILITY. (SEE SHEET "A")
 2. IF NO ADDITIONAL OPTIONS ARE PRESENT, THERE WILL BE NO ADDITIONAL UNIBUS CABLE OUT. THE M830 TERMINATOR WILL BE INSTALLED IN SLOT A004 (OR A005) OF THE LAST OPTION ON THE UNIBUS. THE DC11A CABLE ITSELF WILL BE PART OF THE EXPANSION CABINET PACKAGE. (SEE SHEETS "C" & "D")
 3. IF NO SECOND LP20 OPTION IS INSTALLED, THIS SPACE WILL NOT BE USED FOR ANY OTHER OPTION. (SEE SHEET "G")
 4. ALL OPTIONS WILL BE INTERCONNECTED WITH TWO FOOT UNIBUS CABLES (DC11A-B2) INSTEAD OF THE USUAL M920 JUMPER MODULE. THESE CABLES WILL BE FOLDED AND TIE WRAPPED AS SHOWN BELOW. (SEE SHEET "G")
- 
- TIE WRAP
5. IF NO SECOND DC20 OPTION IS INSTALLED, THIS SPACE WILL NOT BE USED FOR ANY OTHER OPTION. UNIBUS CONNECTIONS BETWEEN THE FIRST DB11 AND THE LP20 WILL BE MADE BY USING AN UNFOLDED, UNTIE-WRAPPED DC11A-B2. (SEE SHEET "G")
 6. NO CURRENT LOOP OR INTEGRAL MODERN CAPABILITY PROVIDED IN BASIC PACKAGE. (SEE SHEET "G")
 7. SEE DETAIL DRAWINGS ON SHEETS 9, 10, 11 AND 12 FOR CABLE ROUTING AND FOLDING INFORMATION.
 8. TO INSTALL BC00S CABLES ON M5900 IN SLOT A007, REMOVE M7821 IN SLOT A00, FOLD CABLES AS SHOWN IN DETAIL "C", INSERT IN J1 AND J2, RESPECTIVELY, WITH SHIELD SIDE AGAINST BOARD. AFTER FIRST HAVING RUN CABLES DOWN FROM THE CABLE TROUGH THRU THE MODULES, AND REINSERT ALL MODULES. (SEE SHEET "G")
 9. TO INSTALL CABLES ON M7807 IN SLOT C0E01 AND M7800 IN SLOT C0E02, REMOVE M7821 IN SLOT A02 AND M790 IN SLOT B02, FOLD CABLES AS SHOWN IN DETAIL "C", INSERT IN J1 AND J2 OF BOTH BOARDS, RESPECTIVELY, WITH WIRE SIDE AGAINST BOARD. AFTER FIRST HAVING RUN CABLES DOWN FROM THE CABLE TROUGH THRU THE MODULES, AND REINSERT ALL MODULES. (SEE SHEET "G")
 10. LEAVE SUFFICIENT SERVICE LOOP SO THAT DRAWER CAN BE PULLED ALL THE WAY OUT WITHOUT CREATING TENSION ON THE CABLES. TIEWRAP CABLE BUNDLE AS REQUIRED. (SEE SHEETS "C" & "D")
 11. THE CONTROLLER FOR THE RX01/RX22 (M7846) IS LOCATED IN SLOT C0E03 OF DB11-B IN THE 11/40 DRAWER. (SEE SHEET "G")
 12. INSTALL ITEM #83 (VINYL FOAM TAPE) BETWEEN UNIBUS AND OTHER CABLES WHERE UNIBUS GOES THRU CABLE CLAMPS. ALSO INSTALL ON UNIBUS CABLES THAT GO BETWEEN CABINETS. AND ON THE RIGHT HAND SIDE OF THE FLOPPY DISK ASSEMBLY WHERE UNIBUS AND COMMUNICATION CABLES ARE RUN.

13. DC20-AA WILL CONTAIN ONLY THE TWO BC00R AND ONE BC00S CABLES IN SLOTS J10, J17, AND J18. DC20-AD WILL CONTAIN ALL FOUR BC00R AND TWO BC00S CABLES IN SLOTS J10, J17, J18, J19, J20, AND J21 AS SHOWN. A DC20-DA UPGRADE KIT WILL INCLUDE TWO BC00R AND ONE BC00S CABLES FOR USE IN SLOTS J19, J20 AND J21 IF THE USER DESIRES TO UPGRADE FROM A DC20-AA TO -AD. (SEE SHEET "H")
14. THE BC00R-10 LP20 CABLE IS PART OF THE LP20 PACKAGE. ONE END WILL CONNECT TO THE BERG CONNECTOR (J1) ON THE M0507 MODULE IN SLOT A0C0E03 OF THE LP20 OPTION (RIB (WIRE) SIDE TOWARD MODULE, RED LINE AWAY FROM HANDLE). THE OTHER END WILL CONNECT TO THE CENTER SLOT OF THE RECEPTACLE HOUSING ASSEMBLY (ITEM #81) MOUNTED IN THE CONNECTOR PANEL (ITEM #80) (RED LINE UP). THERE IS ONE CONNECTOR FOR EACH DEVICE MARKED "LP20 #1" AND "LP20 #2", RESPECTIVELY. A SEPARATELY FORECAST AND SUPPLIED 7011426-XX CABLE IS REQUIRED TO CONNECT THE LINE PRINTER ITSELF WITH THE OTHER SIDE OF THE RECEPTACLE HOUSING ASSEMBLY (ITEM #81). FOUR LENGTHS OF CABLE ARE AVAILABLE AS STANDARD ITEMS, 25 FT. (XX-25), 50 FT. (XX-50), 75 FT. (XX-75), AND 100 FT. (XX-100). (SEE SHEETS "C" & "D")
15. ALL BC00S AND BC00R CABLES, MODEMS AND TERMINALS MUST BE SEPARATELY FORECAST AND SUPPLIED WHEN REQUIRED. (SEE SHEET "H")
16. "XX" IS TYPICALLY 25 FT. FOR THE BC00S CABLE. CONDITIONS STATED IN EIA SPECIFICATION RS-232-C MUST BE ADHERED TO REGARDLESS OF CABLE LENGTH. (SEE SHEET "H")
17. ACCEPTABLE CUSTOMER EQUIVALENT CABLE FOR GUARANTEED OPERATION IS BELDON 8777. (SEE SHEET "H")
18. IF DATA RATE IS 2400 BAUD OR LESS, "XX" MAY BE ANY LENGTH UP TO 1000 FT. IF DATA RATE IS GREATER THAN 2400 BAUD, "XX" MUST NOT EXCEED 250 FT. IF TWO CABLES ARE USED TOGETHER (I.E., BC00R & BC00S), THEIR COMBINED LENGTH MUST NOT EXCEED 1000 FT. OR 250 FT., RESPECTIVELY. THE MAXIMUM DATA RATE OF ANY LINE IS 9600 BAUD. CONDITIONS STATED IN EIA SPECIFICATION RS-423 MUST BE ADHERED TO REGARDLESS OF CABLE LENGTH. (SEE SHEET "H")
19. AFFIX LP20 DECAL (ITEM #86) TO CONNECTOR PANEL (ITEM #80) DIRECTLY ABOVE THE TWO RECEPTACLE HOUSING ASSEMBLIES (ITEM #81) IN SUCH A MANNER THAT THE APPROPRIATE TEXT APPEARS OVER EACH CONNECTOR. (SEE SHEET "H")
20. THE H317-B DISTRIBUTION PANEL PROVIDES FOR SEVERAL JUMPER SELECTIONS (SEE SHEET "I"). THE DATA TERMINAL READY (DTR) AND REQUEST TO SEND (RTS) LEADS ARE NORMALLY STRAPPED TO A POSITIVE ON VOLTAGE. THIS STRAPPING MUST BE REMOVED FOR LINES THAT USE A FULL MODERN CONTROL ARRANGEMENT IN WHICH THE MODERN CONTROL SIGNALS ARE COMBINED WITH THE DATA SIGNALS ON THE DISTRIBUTION PANEL. THE STRAPPING MUST REMAIN IN FOR LINES WHICH USE ONLY THE DATA SIGNALS.
21. BC00S CABLES ARE SOMETIMES NEITHER MARKED NOR KEYED AND IF THEY ARE IMPROPERLY INSTALLED, THEY CAN CAUSE DAMAGE TO THE EQUIPMENT. ON THE H317-B DISTRIBUTION PANEL, THE RIB (WIRE) SIDE OF THE CABLE MUST BE AWAY FROM THE PANEL MODULE. ON THE M5900 IN THE DB11, THE SMOOTH (SHIELD) SIDE OF THE CABLE MUST BE AWAY FROM THE MODULE. (SEE DETAIL "J" ON SHEET "G"). THIS METHOD SHOULD BE USED ONLY IF BERG CONNECTORS ON THE BC00S CABLES ARE NEITHER UNMARKED NOR KEYED. IF THE CABLES ARE MARKED OR KEYED, THEY CAN BE INSTALLED AS SHOWN IN DETAIL "C" ON SHEET "G" OR DETAIL "H" ON SHEET "I".

22. FOLDING PROCEDURE FOR CABLES SHOWN ON SHEET 9, IN DETAIL D (16 LINES):
 - A. ARRANGE CABLES AS SHOWN IN DETAIL "C" (SHEET 9).
 - B. BEGIN BY FOLDING J21 AS SHOWN IN DETAIL "D" (SEE TYPICAL FOLD)
 - C. FOLD J19 SAME AS J21
 - D. INSERT FOLD CREATED BY J19 INTO POCKET OF FOLD CREATED BY J21
 - E. RUN J10, J18, AND J17 THROUGH POCKET CREATED BY FOLD OF J19 AND J21
 - F. FOLD J18 ONE INCH FROM LAST FOLD AS SHOWN IN DETAIL "D". RUN J10 THROUGH POCKET OF FOLD CREATED BY J18
 - G. FOLD J10 ONE INCH FROM LAST FOLD AS SHOWN IN DETAIL "D"
 - H. TIE WRAP EVERY THREE INCHES OR AS NEEDED
23. FOLDING PROCEDURE FOR CABLES SHOWN ON SHEET 9, IN DETAIL "D" (8 LINES):
 - A. ARRANGE J17, J18, J10 AS SHOWN IN DETAIL "C" (SEE TYPICAL FOLD).
 - B. BEGIN FOLDING J18 AS SHOWN IN DETAIL "D". RUN J18 THROUGH POCKET OF FOLD CREATED BY J10.
 - C. FOLD J18 ONE INCH FROM LAST FOLD AS SHOWN IN DETAIL "D".
 - D. TIE WRAP EVERY THREE INCHES OR AS NEEDED.
24. REAR DOORS (ITEMS #9 & 74) ARE PLACED OVER SLIP HINGES (ITEMS #111 & 104). (SEE SHEET "I")
25. KEY SWITCH IS TO BE LEFT IN UNLOCKED POSITION. (SEE SHEET "J")
26. POINT 85 & 86 OF FAULT HARNESS (ITEM #20) CRIMPS TOGETHER TO POINTS 130 & 129 OF I/O DC HARNESS (ITEM #182) WITH CONTACT PIM (ITEM #130) AND IS INSERTED INTO CPU VANE SWITCH ASSY J1. CRIMPING POINT 85 AND 130 INSERT INTO J1-3; POINT 86 AND 129 INSERT INTO J1-1.
27. FOR LOWEST ACCEPTABLE REVISION LEVEL OF ELEMENTS OF CONSOLE PROCESSOR (ITEMS #11 & 12) ASSEMBLY SEE: D-UA-7011418-0-0.
28. REMOVE (2) 1/4-20 STUDS FROM EACH OF THE THREE CABINETS. (ONE IN EACH BOTTOM MEMBER), BEFORE EQUIPMENT IS MOUNTED. REFERENCE SHEET 20, AREA C-6 FOR LOCATION.
29. INSTALL WIRE GROUND STRAP, ITEM 213 TO THE WELDED INSERT ON 11/40 AND PERIPHERAL DRAWER. DRESS WIRE GROUND STRAP ALONG FLEXIBLE CABLE GUIDE AND SECURE AT FRONT INSIDE CABINET FRAME WITH ITEMS NO.71,72 & 131. INSURE THAT EXTERNAL TOOTH STAR WASHER IS INSTALLED BETWEEN FRAME SURFACE AND GROUND LUG. (SEE SHEET "A" REAR VIEW)
30. INSURE THAT EXTERNAL TOOTH STAR WASHER IS INSTALLED BETWEEN FRAME SURFACE AND GROUND LUG. REFERENCE DEC STANDARD WORKMANSHIP #116 FOR PROPER SCREW TORQUING ON ALL GROUND STRAPS.
31. INSURE THAT REFERENCED POINTS ARE TORQUED TO THE FOLLOWING NOMINAL VALUES:
1/4-20 THD 72 IN-LB
5/16-18 THD 132 IN-LB
32. ~~INSTALL KIT PER ITEM 217 WHEN E.C. 435 REQUIREMENTS MUST BE MET.~~
33. INSTALL ITEM #224 TO ALL CABINETS PRIOR TO BOLTING CABINETS TOGETHER
34. "P2" OF THE DB11-A BUS REPEATER IS NOT TO BE PLUGGED IN.

35. INSTALL CSA LOCKING KIT (ITEM 233) PER D-AD-7015507-0-0
36. GROUND FAN (ITEM 41) VIA INSTALLING EXTERNAL TOOTH LOCKWASHER (ITEM 214) BETWEEN THE FRONT FAN FINGERGUARD (ITEM 101) AND THE FAN MOUNTING PLATE (ITEM 105). MAKE THIS CONNECTION AT THE LOWER FAN/FINGER GUARD MOUNTING HOLE.
37. IN THE I/O AND MB20(S) CASE CAGE ASSYS., THERE WILL BE AN ASSORTMENT OF MODULE SIMULATORS (P/N 7420793) PRESENT. THESE ARE NEEDED ONLY FOR CERTAIN MODULE CONFIGURATIONS. IF ADDITIONAL I/O OR MEMORY MODULES ARE NEEDED, THE RULE TO FOLLOW IS:
 1. LEAVE THE SIMULATORS IN PLACE WHEREVER POSSIBLE.
 2. REMOVE SIMULATORS ONLY WHEN THEY OBSTRUCT A MODULE TO BE INSERTED.
 3. ALWAYS LEAVE ONE EMPTY SLOT ON EACH SIDE OF A MODULE GROUPING TO ALLOW AIR FLOW ACROSS ALL MODULES.
38. MEMORY AS ASSOCIATED WITH KLIO-E VARIATIONS IS INDICATED IN THE FOLLOWING TABLE:

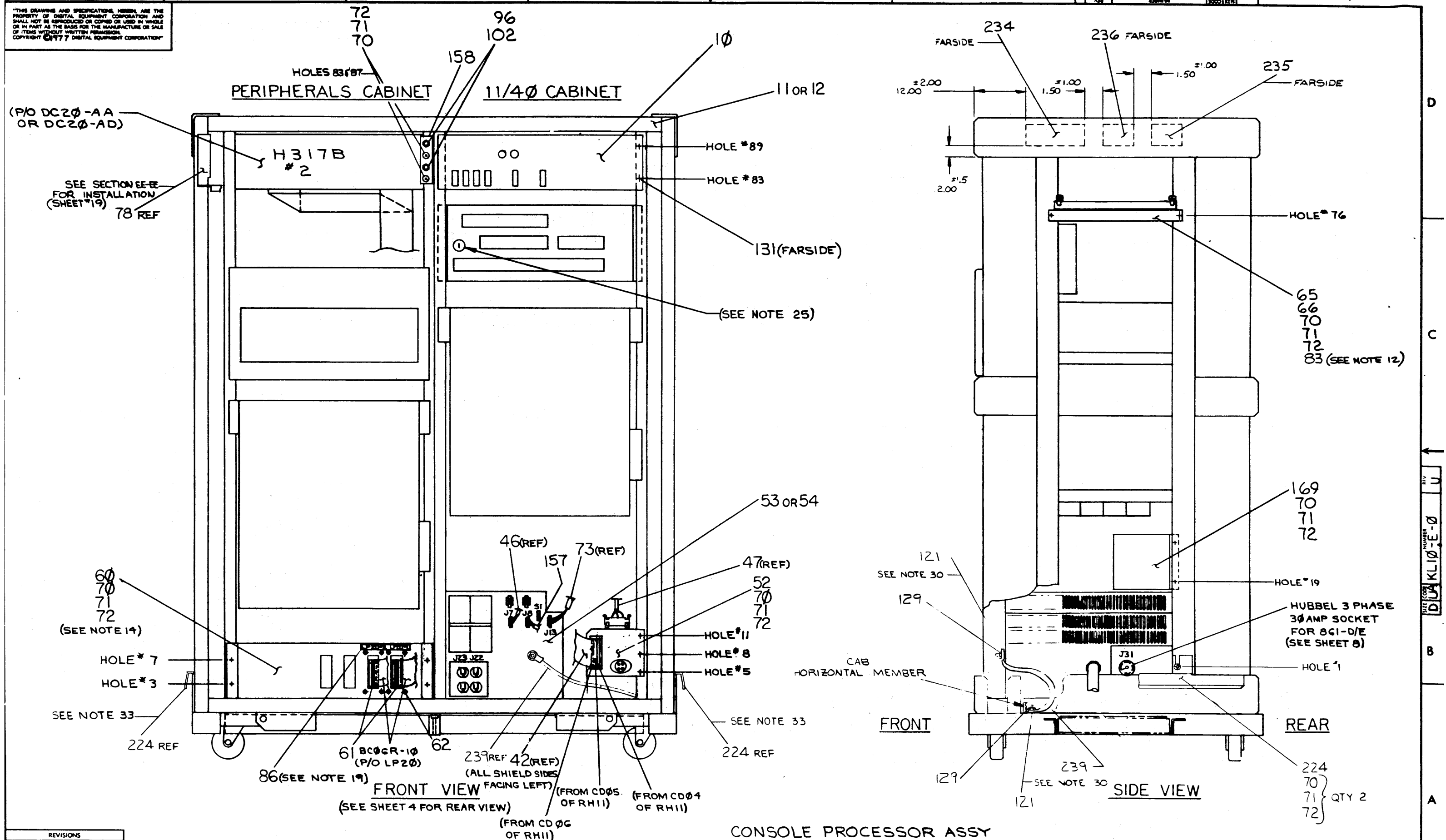
VARIATION	MEMORY	ITEM NO.	TYPE
KLIO-EA	MB20-GA	140	CORE
KLIO-EC	MB20-GC	210	CORE
	MB20-E	243	CORE
KLIO-EB	MB20-GB	141	CORE
KLIO-ED	MB20-GD	211	CORE
	MB20-E	243	CORE
KLIO-EE	MF20-LA	244	MODS
KLIO-EH			
KLIO-EF	MF20-LB	245	MODS
KLIO-EJ			

FOR INFORMATION PERTAINING TO ITEM 140, 141, 210, 211, OR 243 REFER TO E-JA-MB20-3-0.
FOR INFORMATION PERTAINING TO ITEM 244 OR 245, REFER TO E-UA-MF20-0-0.

USE MF20 PRINT SET TO INSTALL INTO KLIO-E

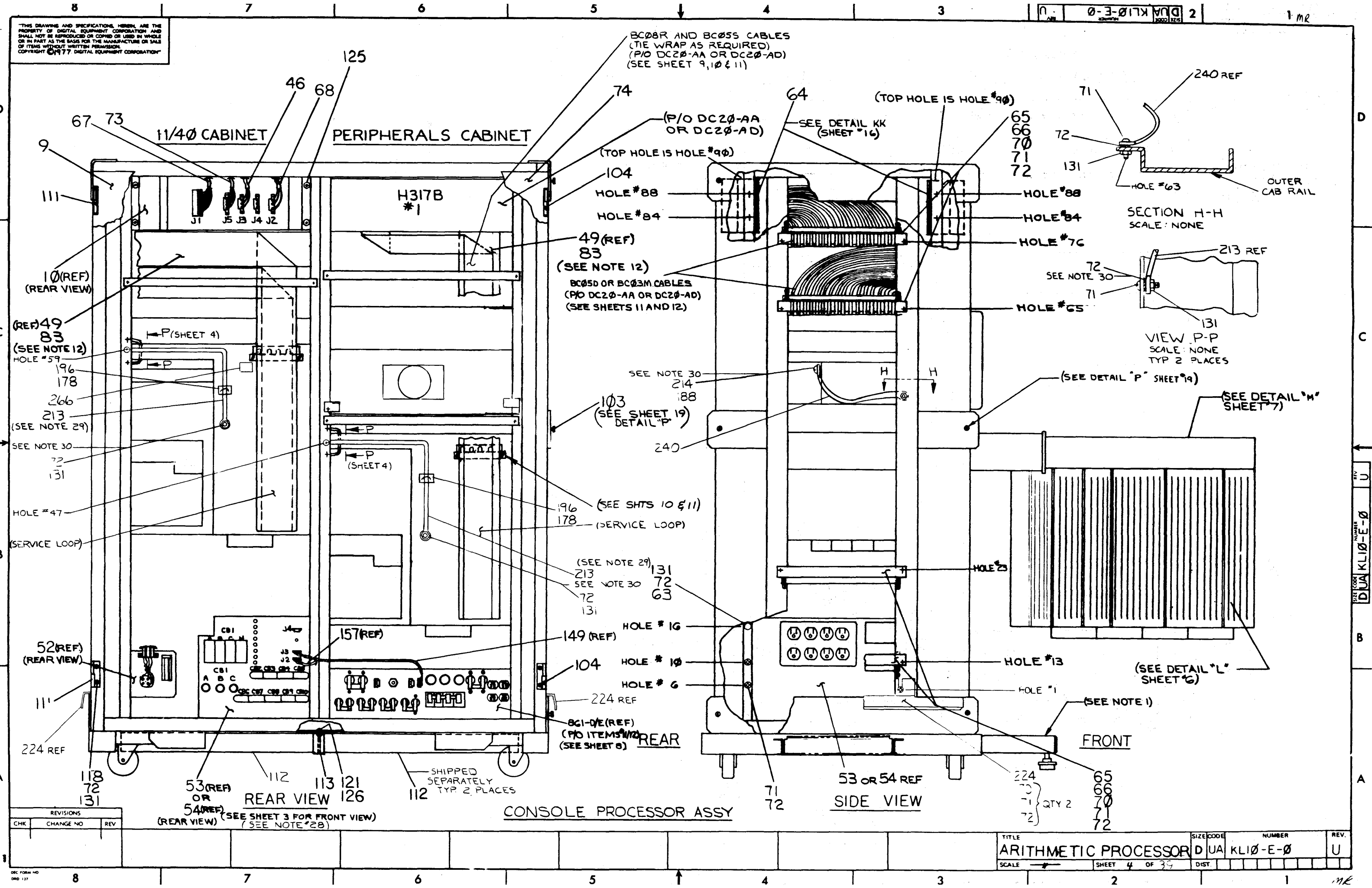
REVISIONS		
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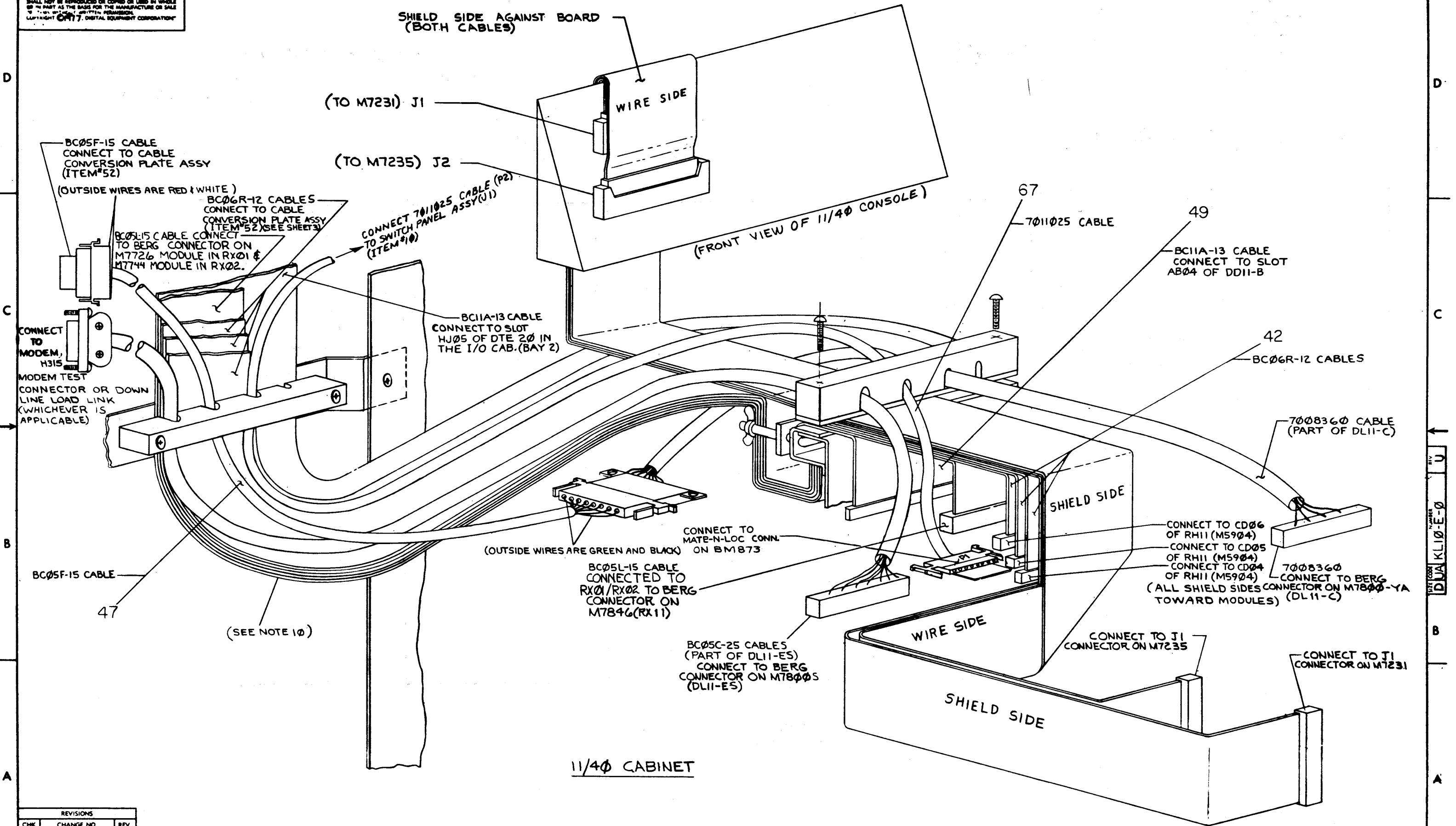
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CHK	CHANGE NO.	REV	ARITHMETIC PROCESSOR DUA KL10-E-0										DUA KL10-E-0		1			
			SCALE										SHEET 3 OF 39		DIST.			

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REV	NO	DATE	BY	CHK	CHANGE NO
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REVISIONS		
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0-3-017XVMD 2

D

C

B

A

D

C

B

A

BC11A-02 (P/O LP20)
(SEE NOTE 4)

BC11A-02 (P/O DC20-AA/AD)
(SEE NOTE 4)

BC11A-02 (P/O 7011418
CONSOLE PROCESSOR)
(SEE NOTE 4)

UNIBUS CABLE (OUT) OR
M930 TERMINATOR
(SEE NOTE 2)

43(REF.)

UNIBUS CABLE (IN) (BC11A-17)
(FROM DTE20)

CD20
(CD11-0)

LP20-0
*2
(SEE NOTE 3)

LP20-0
*1

DC20-AA/AD *2
(DH1-AD)
(SEE NOTE 6 AND 7)
(SEE NOTE 5)

DC20-AA/AD *1
(DH11-AD)
(SEE NOTES 6 AND 7)

BUS REPEATER
DB11-A
(PART OF 7011418
CONSOLE
PROCESSOR P.E.)

FRONT OF
B11-FB DRAWER

SUB

SU7

SU6

SU5

SU4

SU3

SU2

SU1

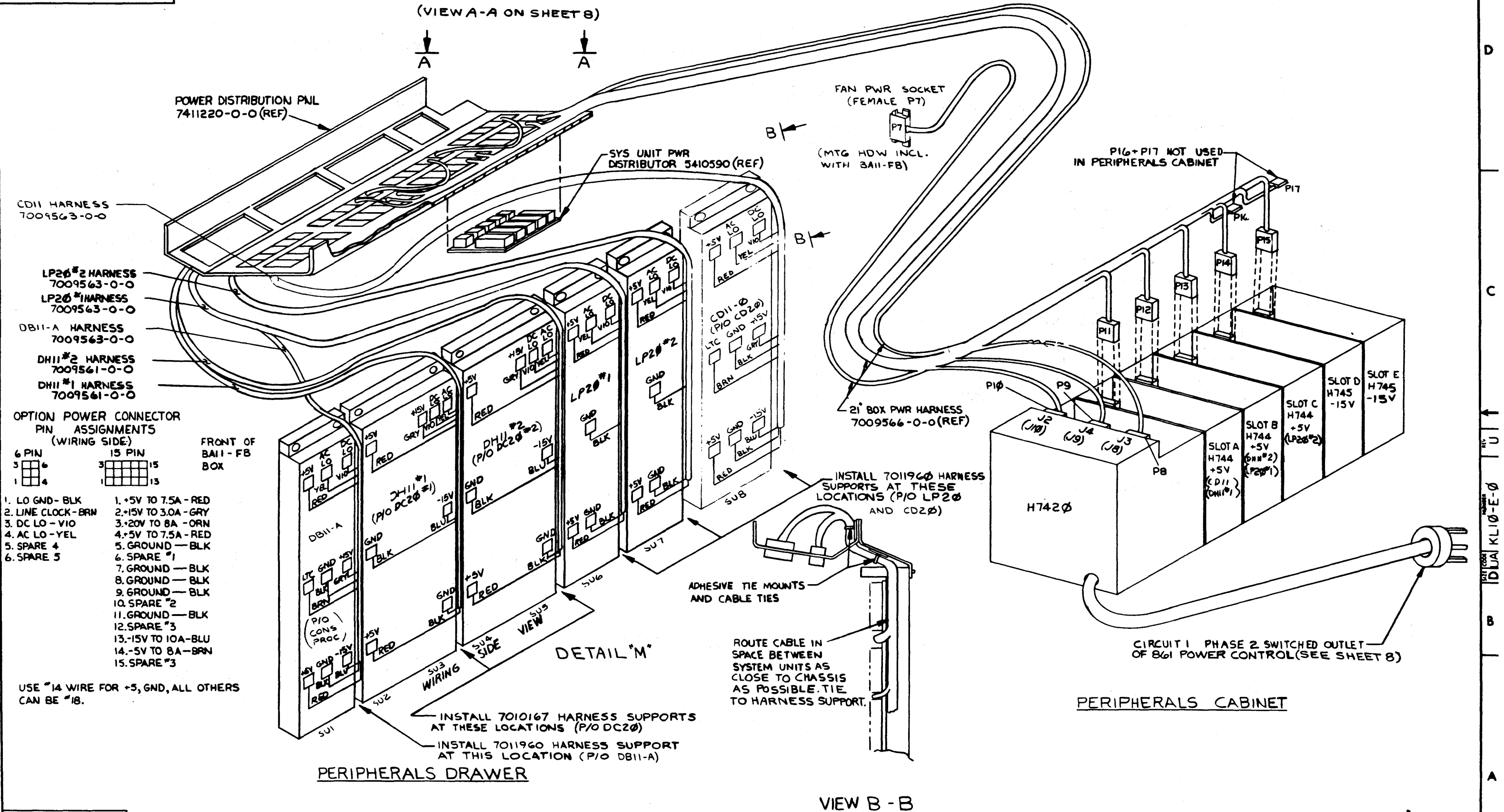
DETAIL "L"
(MODULE SIDE VIEW)

PERIPHERALS DRAWER
(REFERENCE ONLY FOR SYSTEM INTEGRATION)

REVISIONS		
CHK	CHANGE NO	REV

DEC FORM NO
080 137

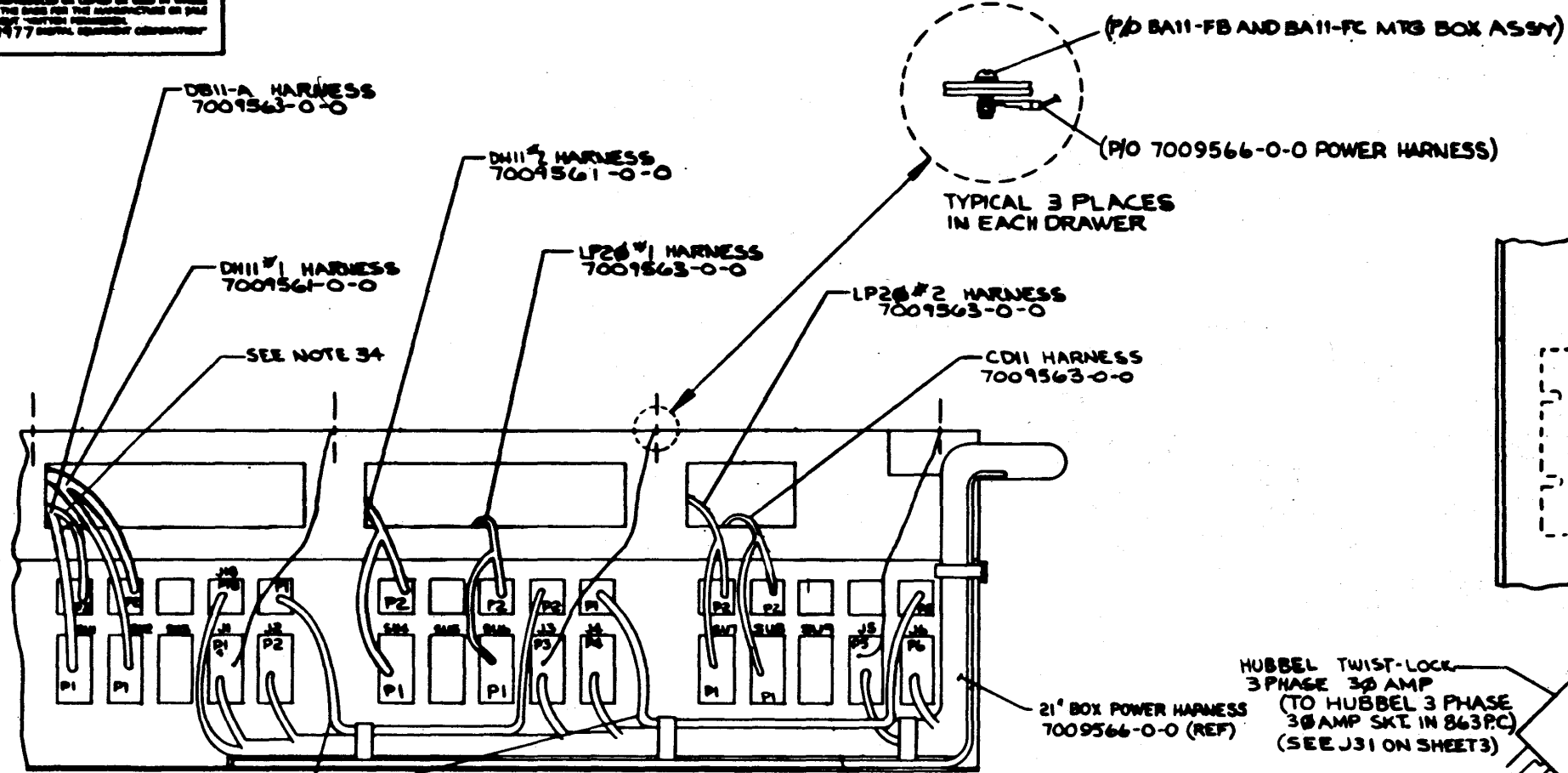
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SCALE		SHEET 6 OF 39		DIST.	



REVISIONS		
CHK	CHANGE NO.	REV

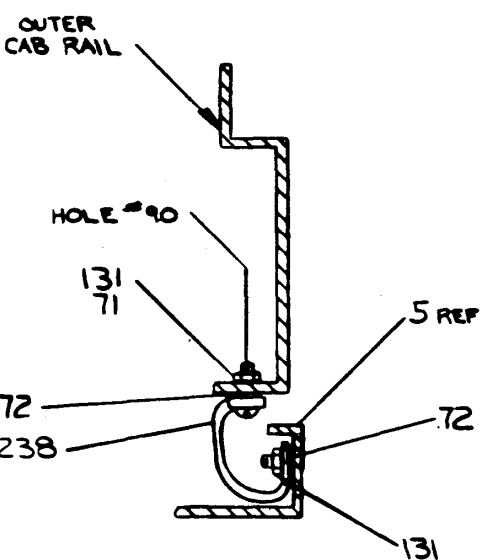
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SCALE	1/4"	SHEET	7	OF	39	DIST.	

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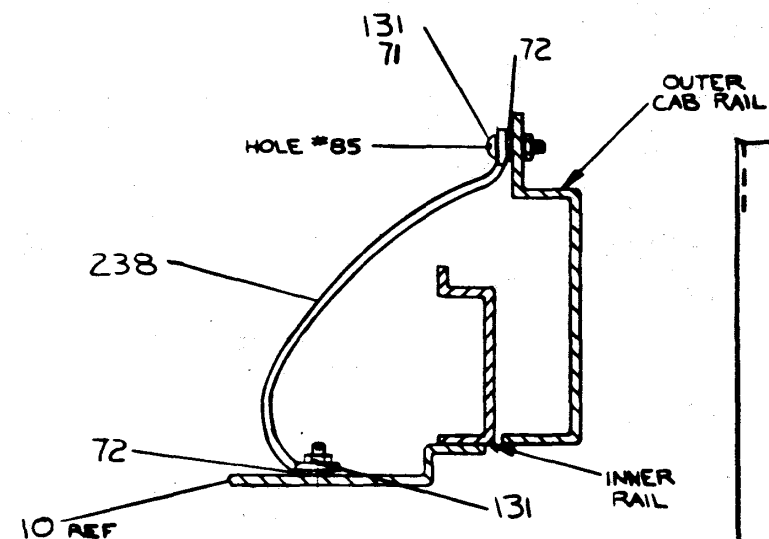


VIEW A-A

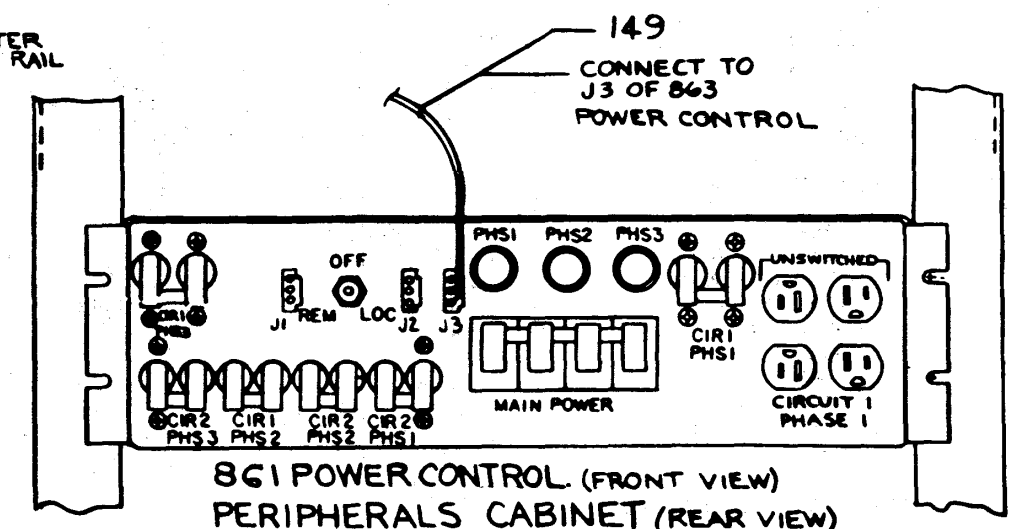
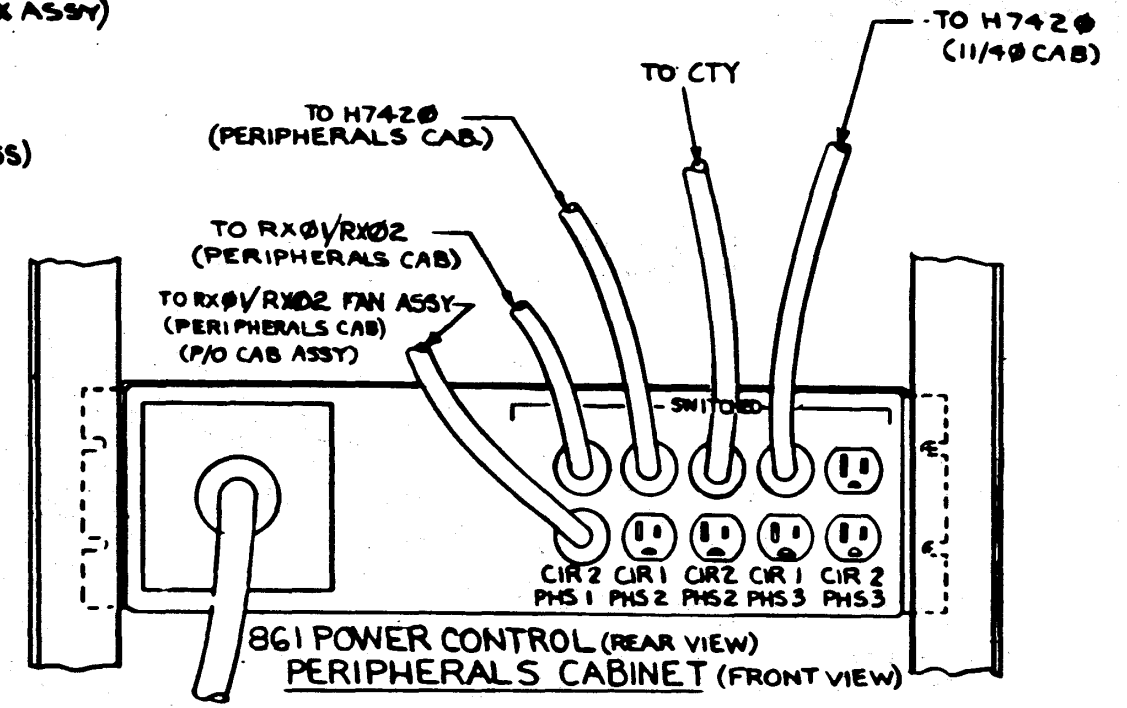
PERIPHERALS DRAWER



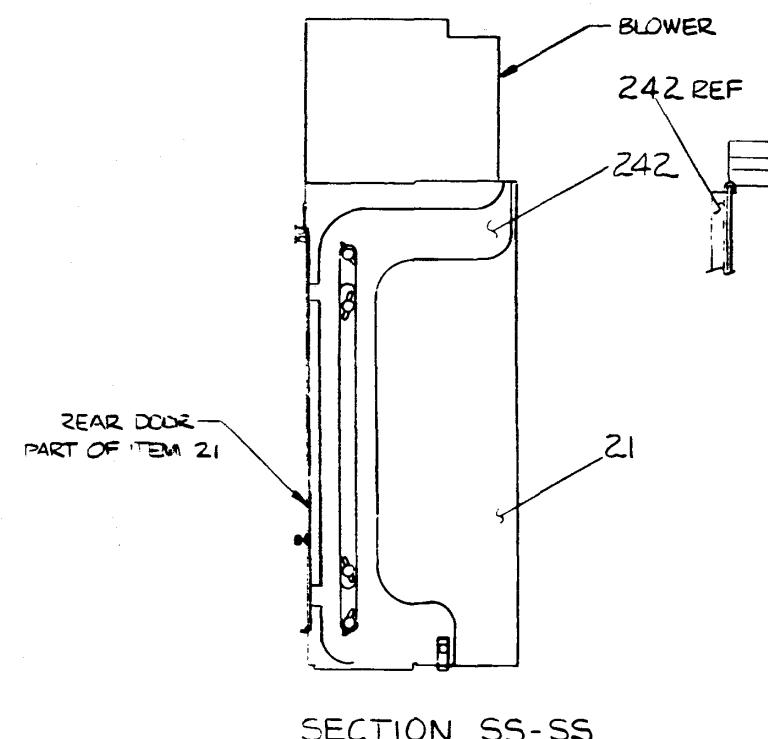
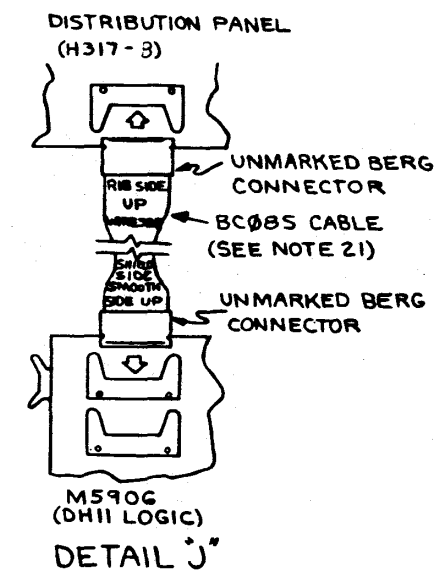
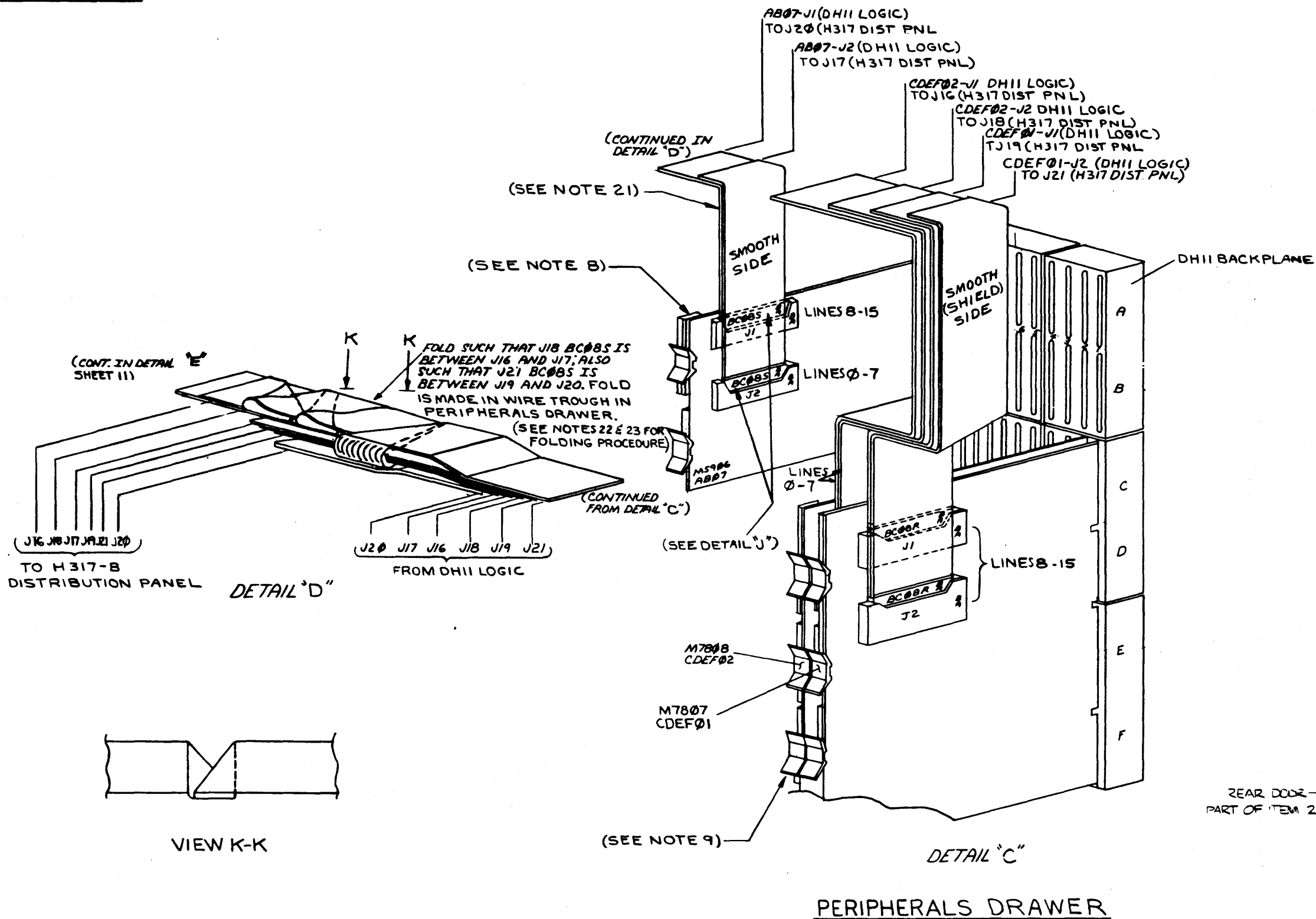
SECTION F-F
SCALE: NONE
(SEE NOTE 30)
TWO PLACES



SECTION C-C
SCALE: NONE
(SEE NOTE 30)



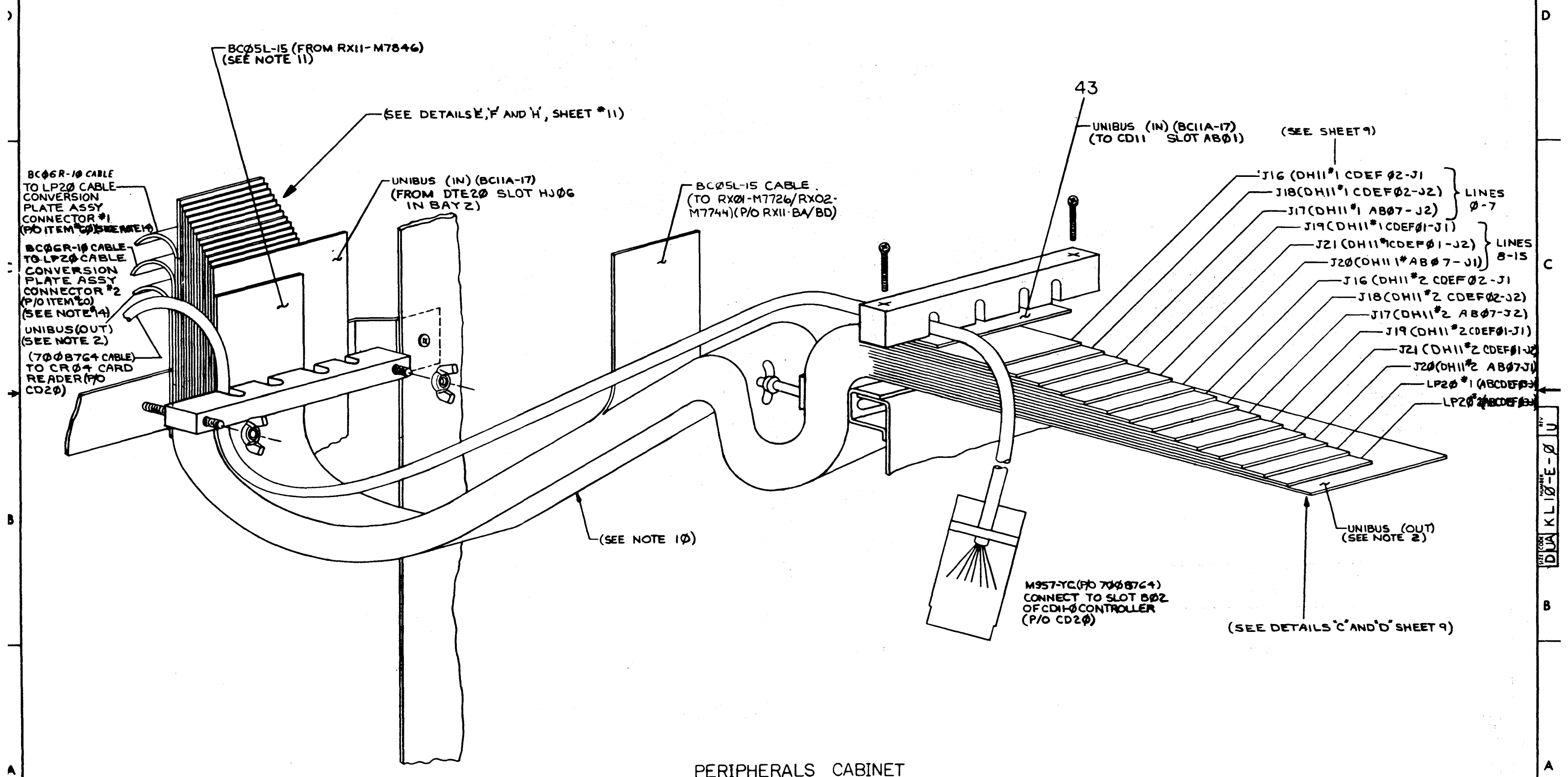
REV	CHANGE NO.	REV



REV.	CHANGE NO.	REVISIONS
1		

TITLE	ARITHMETIC PROCESSOR	SIZE CODE	DUA	NUMBER	KL10-E-0	REV.	U
SCALE	1/1	SHEET	9 OF 39	DIST.			

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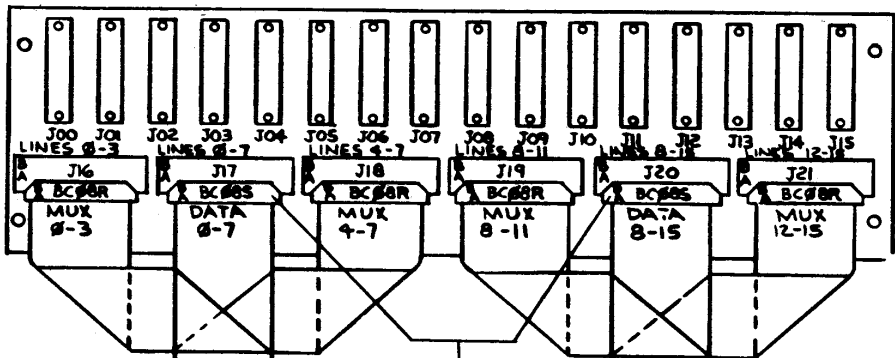
PERIPHERALS CABINET

REVISIONS		
CHK	CHANGE NO	REV

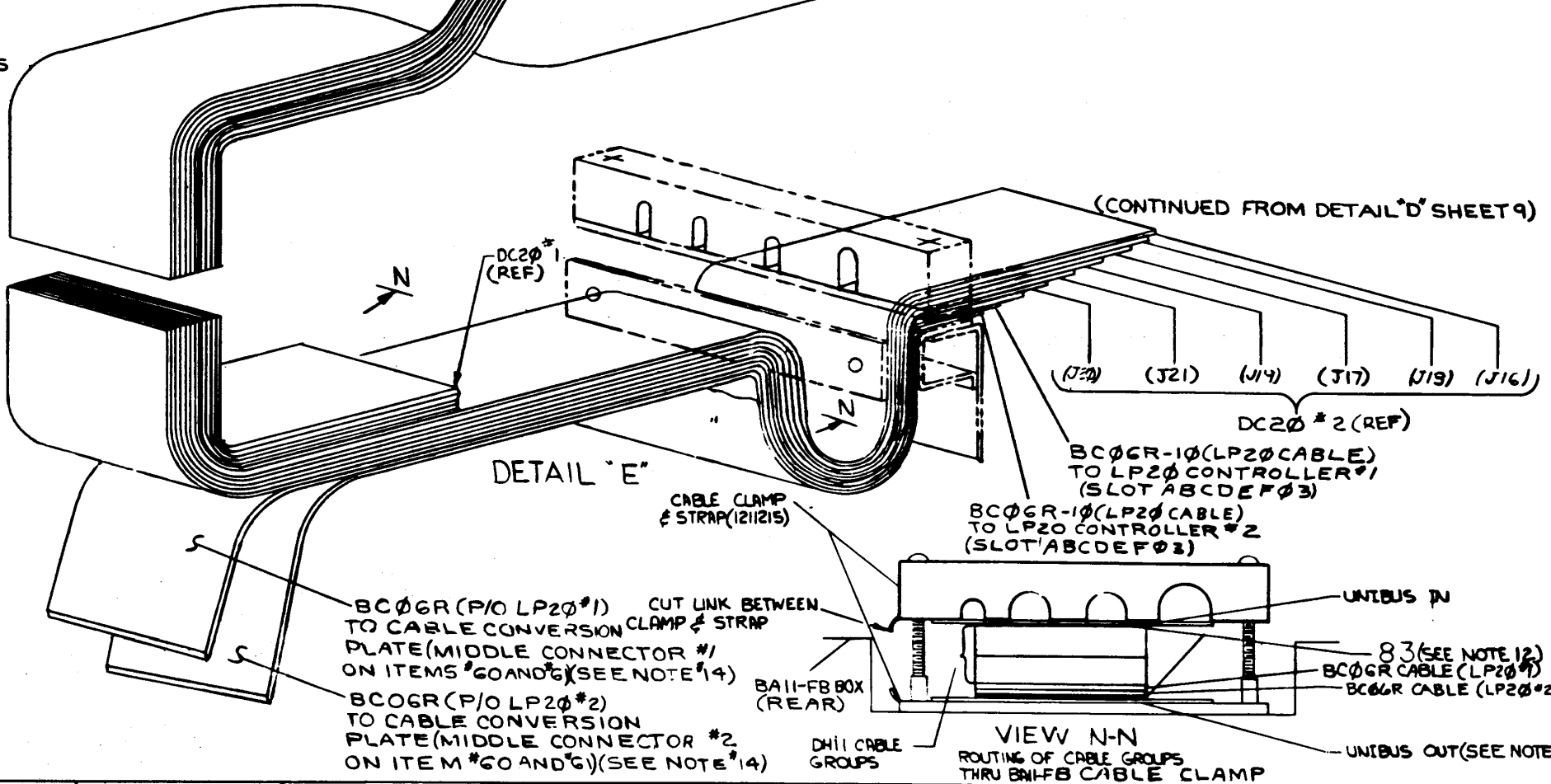
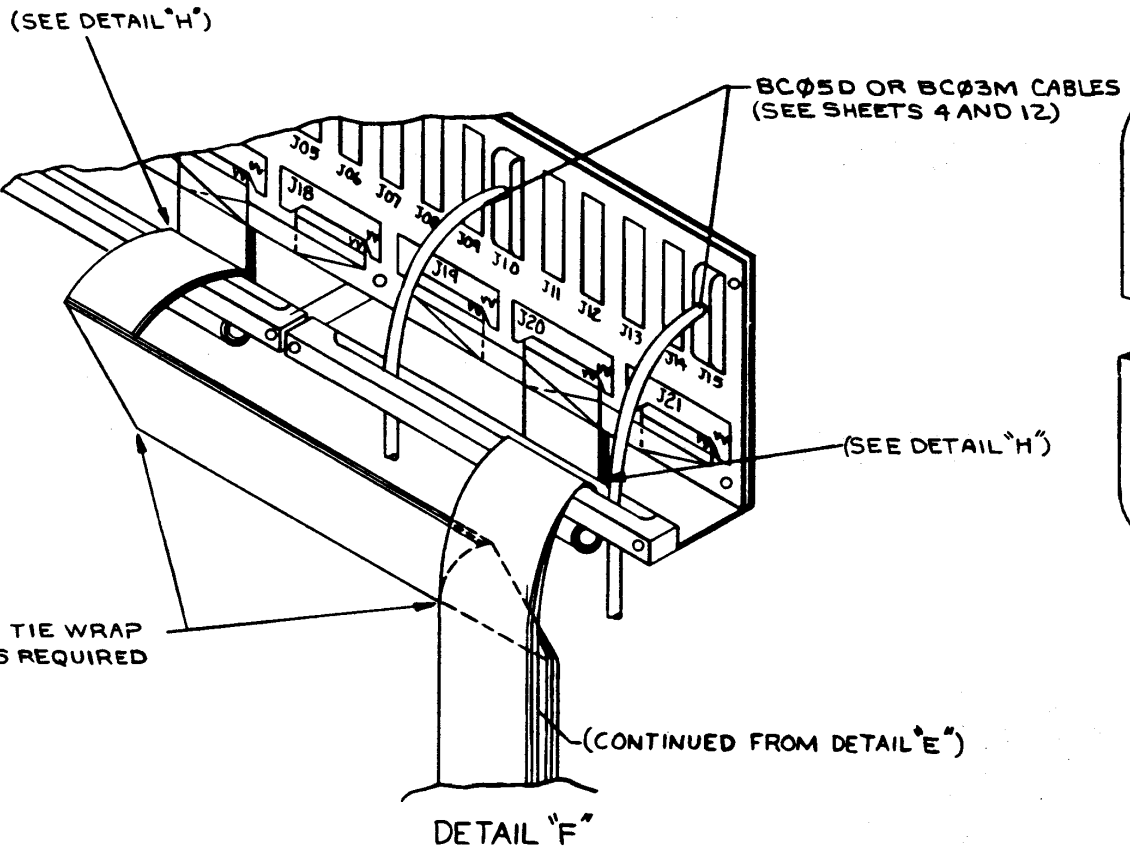
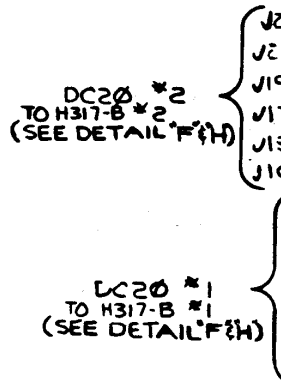
TITLE		SIZE CODE	NUMBER	REV.
ARITHMETIC PROCESSOR		DUA	KLI0-E-0	U
SCALE	SHEET 10 OF 39	DIST.		

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(CONTINUED IN DETAIL "F")



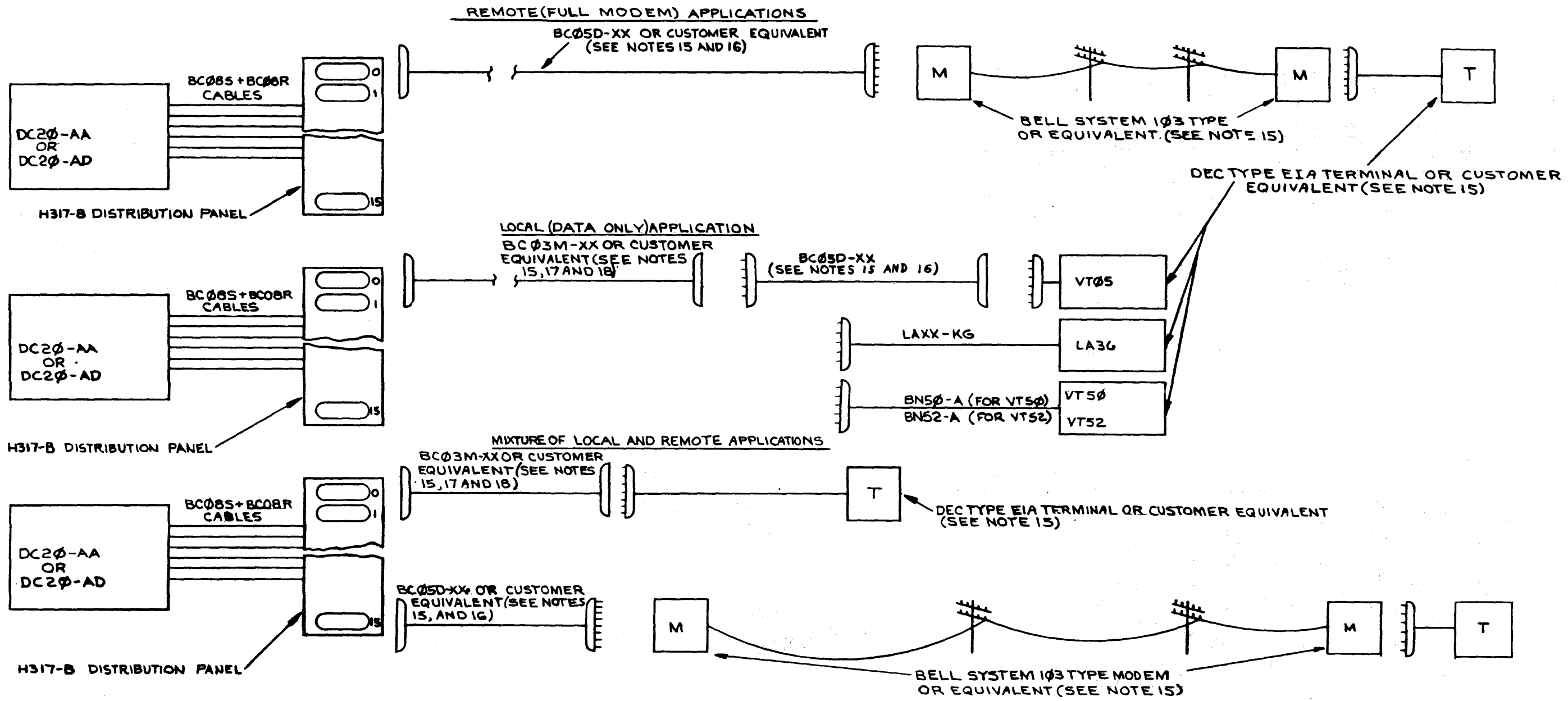
(SEE DETAIL "H" SHEET 9)
CONTINUED FROM DETAIL "F"
(SEE NOTES 13 AND 21)
DETAIL "H"
(SEE NOTES 13 AND 21)



REVISIONS		
CHK	CHANGE NO	REV

TITLE	SIZE CODE	NUMBER	REV.
ARITHMETIC PROCESSOR	DUA	KLIØ-E-Ø	U
SCALE	SHEET 11 OF 39	DIST.	

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TYPICAL SYSTEM COMMUNICATIONS CABLING
(REFERENCE ONLY FOR INTEGRATION OF MODEMS AND TERMINALS)

REVISIONS		
CHK	CHANGE NO.	REV

TITLE		SIZE CODE	NUMBER	REV.
ARITHMETIC PROCESSOR		DUA	KLI0-E-0	U
SCALE	SHEET 12 OF 39	DIST.		

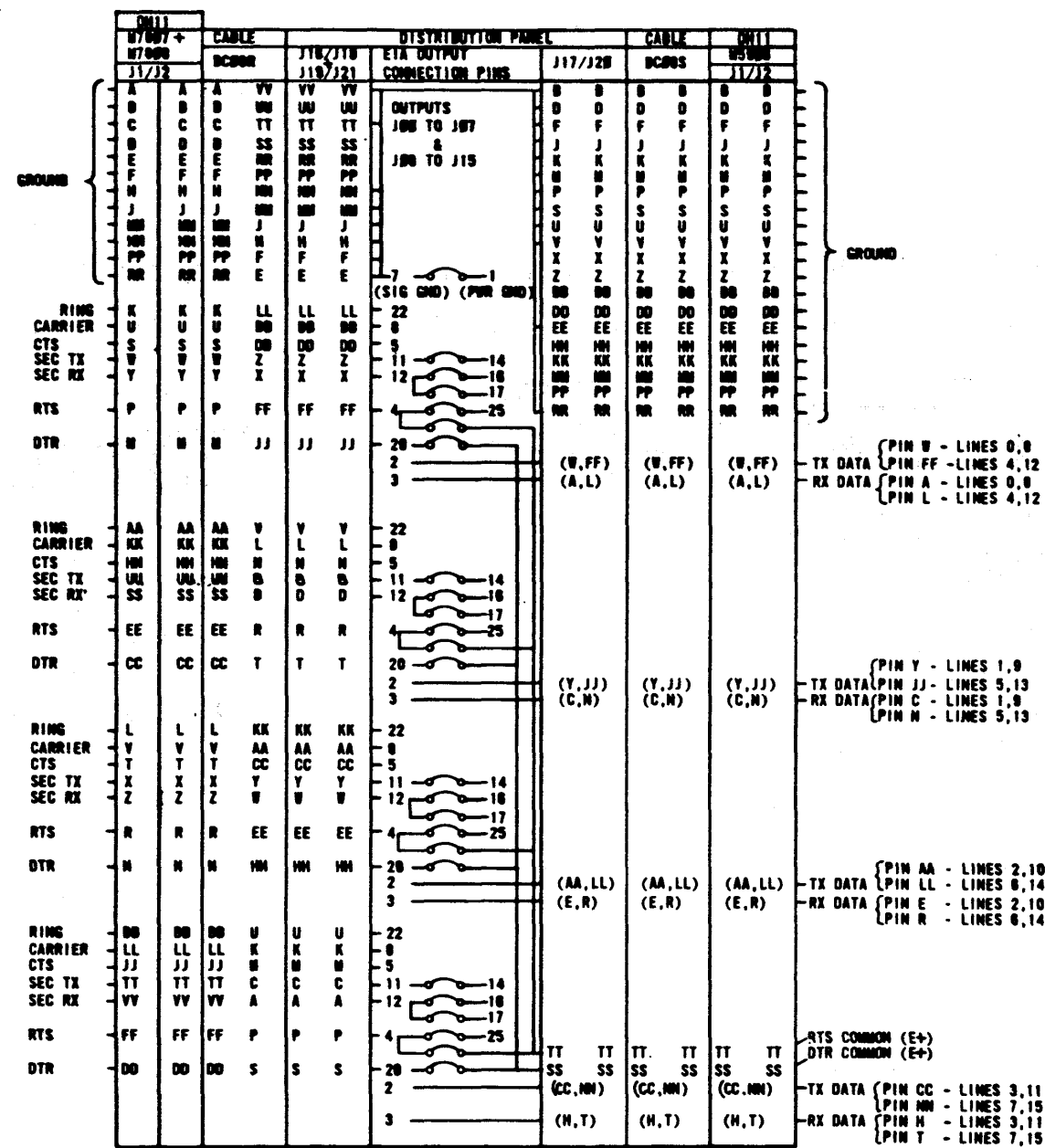
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D

C

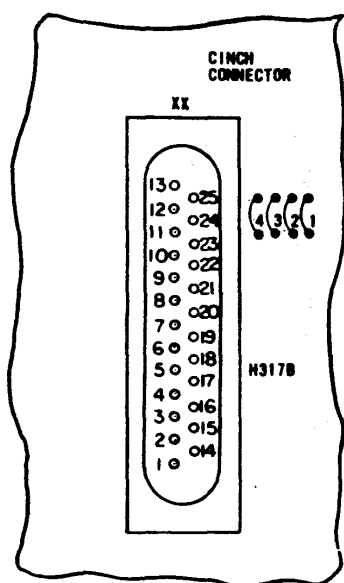
B

A



DC2B-AA,AD DISTRIBUTION PANEL CONNECTOR BREAKDOWN

1. N7007 - LINES 0 TO 15: J1-0 TO 11; J2-12 TO 15
2. N7000 - LINES 0 TO 7: J1-0 TO 3; J2-4 TO 7
3. DISTRIBUTION PANEL (10 LINES) J10-0 TO 3 J19-0 TO 11
J10-4 TO 7 J21-12 TO 15 } CONTROL
J17-0 TO 7 J20-0 TO 15 } DATA
4. N5900 (10 DATA LINES) J1-0 TO 15; J2-0 TO 7



MODEM TYPE	DESCRIPTION	JUMPERS			
103A	300 BAUD FULL DUP	.	.	.	.
103E,G,H	300 BAUD FULL DUP	IN	.	.	.
103F	300 BAUD FULL DUP	.	.	.	.
113A	300 BAUD ORIGINATE ONLY	.	.	.	.
202C,D	1800 BAUD 1/2 DUP	.	.	.	.
011B	LOW SPEED TWX	.	.	.	IN
EIA	RS232-C (SEE BELOW)	OUT	IN	IN	OUT

* DON'T CARE CASES:
JUMPERS PIN 25 TO 4
JUMPERS PIN 11 TO 14
JUMPERS PIN 12 TO 18
JUMPERS PIN 12 TO 17

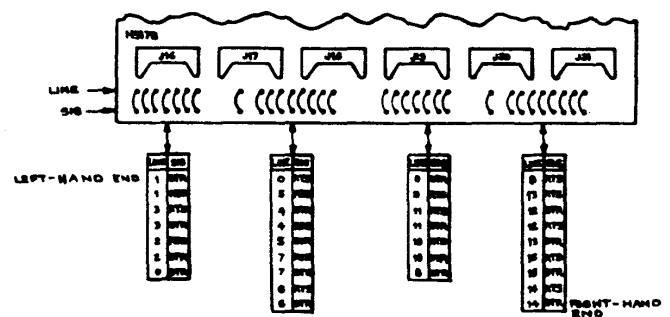
PIN NO.	SIGNAL	MODEM
4	REQ TO SEND	-
11	SEC TRANS DATA	BELL
12	SEC REC'D DATA	202
14	SEC TRANS DATA	EIA
18	SEC REC'D DATA	-
17	RESTRAINT	011B
25	BUSY	103E,G,H

CINCH-CONNECTOR STRAPPING ON H317B DISTRIBUTION PANEL

1. IN SPECIAL CASES, ANY GIVEN SIGNAL FROM THE MODEM SHOULD BE PUT ON WHATEVER PIN REPRESENTS THAT SIGNAL ON THE H317-B DIST. PANEL WITH JUMPERS 1,2,3, OR 4. CHECK MODEM SCHEMATIC AND COMPARE IT WITH THIS FIGURE.
2. BUS INITIALIZATION OF THE MODEM CONTROL MODULES (N7007 AND N7000) CAN BE INHIBITED BY REMOVING DH11 BACKPANEL WIRE F0202 TO GROUND.
3. INTERRUPTS FOR ALL LINES MAY BE INHIBITED FOR CARRIER, RING, SEC RX, OR CLEAR TO SEND BY REMOVING THE WIRES LISTED BELOW:

STATUS	DH11 WIRE REMOVED
CARRIER	E02A1 TO D02B1
RING	E02C1 TO D02F2
SEC RX	E02B1 TO D02A1
CLEAR TO SEND	E02D1 TO D02C1

DTR AND RTS STRAPPING ON H317-B DISTRIBUTION PANEL



(SEE NOTE 20)

REVISIONS		
CHK	CHANGE NO.	REV

OCTAL TO JUMPER CONVERSIONS

		M7821				IN=1		OUT=0	
		VECTORS							
		18	7	6	5	4	3	2	1
300	OUT	IN	IN	OUT	OUT	OUT	OUT	IN	
306	OUT	IN	IN	OUT	OUT	OUT	OUT	IN	
310	OUT	IN	IN	OUT	OUT	IN	OUT	IN	
314	OUT	IN	IN	OUT	OUT	IN	OUT	IN	
320	OUT	IN	IN	OUT	OUT	IN	OUT	IN	
324	OUT	IN	IN	OUT	OUT	IN	OUT	IN	
330	OUT	IN	IN	OUT	OUT	IN	OUT	IN	
336	OUT	IN	IN	OUT	OUT	IN	OUT	IN	
340	OUT	IN	IN	OUT	OUT	IN	OUT	IN	
350	OUT	IN	IN	OUT	OUT	IN	OUT	IN	
360	OUT	IN	IN	OUT	OUT	IN	OUT	IN	
370	OUT	IN	IN	OUT	OUT	IN	OUT	IN	
400	IN	OUT	OUT	OUT	OUT	OUT	OUT	IN	
410	IN	OUT	OUT	OUT	OUT	OUT	OUT	IN	
420	IN	OUT	OUT	OUT	OUT	OUT	OUT	IN	
430	IN	OUT	OUT	OUT	OUT	OUT	OUT	IN	

* ALWAYS IN FOR M7821 IN LOCATION A86

PDP-11 BIT TO OCTAL DIGIT CORRESPONDENCE

BITS	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
EXAMPLE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
OCTAL	6th			5th			4th			3rd			2nd			1st		
DIGIT	7			6			5			4			3			2		
EXAMPLE	7			6			5			4			3			2		

NOTE: I/O DEVICE ADDRESS IN '11 LITERATURE ARE VARIOUSLY GIVEN AS 760 000 THRU 777 777 AND AS 160 000 THRU 177 777. THESE ARE EQUIVALENT IN MACHINES WITHOUT MEMORY MANAGEMENT. WHENEVER BITS 15, 14 AND 13 ARE ALL "1" (16x xxx OR 17x xxx) THE PROCESSOR ALSO MAKES BITS 17 AND 16 "1" (76x xxx OR 77x xxx). [ON MACHINES WITH MEMORY MANAGEMENT (NOT STD ON 20 SERIES) I/O DEVICE ADDRESSES ARE IN PHYSICAL MEMORY AT 760 000 THRU 777 777. THEY ARE ONLY AVAILABLE TO A PROGRAM IF SOME VIRTUAL ADDRESS AREA IS MAPPED INTO THIS PHYSICAL AREA.]

DH11-AD JUMPERS AND MODIFICATIONS.

M5706 LOCATION A807 (DH11-AD) OPTIONS

BR LEVEL SELECT
BOTH BR PLUGS SHOULD BE
5400778 (LEVEL #5)
(AS SUPPLIED STANDARD)

M7821 LOCATION A86

VECTOR LOCATION
W2 BIT 2 IN (ALWAYS)
W3 BIT 3 IN (ALWAYS)
W4 BIT 4 IN FOR "1"
W5 BIT 5 OUT FOR "0"
W6 BIT 6 SEE TABLE OF
W7 BIT 7 OCTAL TO JUMPER
W8 BIT 8 CONVERSIONS
W9 NFR SPEED UP IN (ALWAYS)

M7821 LOCATION A82

NFR CONTROL
ALL JUMPERS ARE "DON'T CARE"
ON THIS MODULE

DH11-AD MODEM CONTROL ADDRESS AND VECTORS

M78C7 LOCATION C,D,E,F8

VECTOR LOCATION
W2 BIT 2 IN FOR "1"
W3 BIT 3 OUT FOR "0"
W7 BIT 4 SEE TABLE
W6 BIT 5 OF OCTAL TO
W4 BIT 6 JUMPER CONVERSIONS
W5 BIT 7
W1 BIT 8

ADDRESS LOCATION
W15 BIT 3 IN FOR "0"
W12 BIT 4 OUT FOR "1"
W13 BIT 5 SEE TABLE OF
W16 BIT 6 M7807 MODEM
W17 BIT 7 CONTROL ADDRESSES
W10 BIT 8
W9 BIT 9
W11 BIT 10
W14 BIT 11
W8 BIT 12

M7777 LOCATION A80704

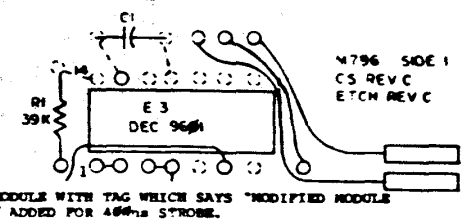
REGISTER ADDRESSES

"4" BIT 4
"5" BIT 5
"6" BIT 6
"7" BIT 7
"8" BIT 8
"9" BIT 9
"10" BIT 10
"11" BIT 11
"12" BIT 12

OUT FOR "1"
IN FOR "0"
SEE TABLE OF DH11-AD ADDRESSES

M796 LOCATION A82

INITIAL MASTER CONTROL
DATA STROBE LENGTH 400ns NOMINAL
ADD 100 pF 5% NICA CAPACITOR DEC P.B. 1800016
ACROSS SPLIT LUGS NEAR FRONT OF BOARD



		M7277						M7807 MODEM			
		DH11-AD ADDRESSES OUT=1 IN=0						CONTROL ADDRESS OUT=1 IN=0			
		BITS 8,9,10,11,12 ARE ALL IN						BITS 6,8, & 12 ARE ALL OUT BITS 7,9,10, & 11 ARE ALL IN			
		7	6	5	4			15	14	13	12
760	020	IN	IN	IN	OUT	770	500	IN	IN	IN	IN
840	IN	IN	IN	OUT	IN	510	IN	IN	IN	OUT	IN
960	IN	IN	OUT	OUT	IN	520	IN	OUT	IN	IN	IN
100	IN	OUT	IN	IN	IN	530	IN	OUT	OUT	OUT	IN
120	IN	OUT	IN	OUT	IN	540	OUT	IN	IN	IN	IN
140	IN	OUT	OUT	IN	IN	550	OUT	IN	OUT	IN	OUT
160	IN	OUT	OUT	OUT	IN	560	OUT	OUT	IN	IN	IN
200	OUT	IN	IN	IN	IN	570	OUT	OUT	OUT	OUT	OUT

DC20-AA/AD (DH11-AD) ADDRESS VECTOR, JUMPER & MODIFICATION INFORMATION

DC20 CONFIGURATIONS (ADDRESS & VECTOR TABLES)

ASSUMES EVERY DM11 HAS MODEM CONTROL INSTALLED.

DC20 #		REJUMPER			
		1	2	3	4
DC20	#1	760 020 330	760 020 330	760 020 330	760 020 330
	#2		760 040 350	760 040 350	760 040 350
	#3			760 060 370	760 060 370
	#4	FORMAT OF ENTRIES: 1st ADDRESS 1st VECTOR			760 100 410
MODEM CONTROL #1	#1	770 500 320	770 500 320	770 500 320	770 500 320
	#2		770 510 340	770 510 340	770 510 340
	#3			770 520 360	770 520 360
	#4				770 530 400

DC20 (DM11) ASYNCHRONOUS COMMUNICATION MULTIPLEXOR

MODULE	DESCRIPTION
M7247	CONTROL MUX
M105	ADDRESS SELECTOR
M7248	MODEM CONTROL SCAN
M7021	INTERRUPT CONTROL
M790	UNIBUS MASTER CONTROL
M7270	REGISTERS & BYTE COUNT
M7277	CURRENT ADDRESS & ADDRESS SELECT
M7209	SYSTEM CONTROL & RECEIVER SCAN
M405	EXTERNAL CLOCK
M7200	MULTIPLE UARTS
M7200	LINE PARAMETER CONTROL
G7300	PRIORITY SELECTOR
M071	RIBBON CABLE CONNECTOR
M7270	FIFO BUFFER
M5900	EIA LEVEL CONVERSION
M4540	DM11 CLOCK
M7000	MODEM CONTROL
M7007	BUS CONTROL AND MUX (MODEM CONTROL)
7009100-0 (DM11 WIRED BACKPLANE)	
AWT LOWEST ACCEPTABLE REV. E WIRE LIST LOWEST ACCEPTABLE REV. B	

CD20 (CD11-B) CARD READER CONTROLLER

MODULE	DESCRIPTION
M112	NOR GATE
M113	TEN 2-INPUT NAND GATE
M117	SIX 4-INPUT NAND GATE
M203	8-R/S FLIP-FLOP
M205	5-ZERO FLIP FLOPS
M239	3-4 BIT COUNTER REG.
M304	ONE SHOT DELAY
M011	HIGH SPEED POWER INV.
M721	CLOCK INPUT SYNC
M703	UNIBUS TRANSMITTER
M704	LINE RECEIVER
M790	UNIBUS MASTER CONTROL
M057-YC	CABLE CONNECTOR
M7219	BUS INTERFACE
M7249	MULTIPLE ONES DETECTOR
M7021	INTERRUPT CONTROL
7000055 (CD11 WIRED ASSEMBLY)	
USE WIRE LIST REV J OF K-WL-CD11-B-12 OR LATER	

LOWEST ACCEPTABLE CS REV	LOCATION
*	C, D01 C, D02
C	E01
J	E, F02
D	A02, A00, F01
C	B02
D	A, B, C, D, E, F03
F	A, B, C, D, E, F04
A	A, B, C, D, E, F05
B	B00, E00
F	C, D, E, F00; C, D, E, F07
*	A, B, C, D, E, F00
A	A07
A	B07
A	C, D00
A	A, B07
A	F00
D	C, D, E, F02
D	C, D, E, F01
D	-

LOWEST ACCEPTABLE CS REV	LOCATION
D	D04
C	C04
E	E03
B	F04
B	F03
A	B03
B	E04
B	D03
B	A02
*	D02
C	C02
D	F02
H	B02
H	C, D, E, F01
B	C03
D	E02
E	-

JUMPER TABLE FOR M7219 (CD11)

JUMPER	STATE	COMMENTS
A	OUT	BA02 BIT #2
B	IN	BA02 XOR OF BITS #1 AND #2
C	OUT	BA01 BIT #1
D	IN	BA01 BIT #2
03	IN	ADDRESS BIT #3
04	OUT	ADDRESS BIT #4
05	OUT	ADDRESS BIT #5
06	OUT	ADDRESS BIT #6
07	IN	ADDRESS BIT #7
08	IN	ADDRESS BIT #8
09	OUT	ADDRESS BIT #9
10	OUT	ADDRESS BIT #10
11	OUT	ADDRESS BIT #11
12	OUT	ADDRESS BIT #12

THIS CORRESPONDS TO A BASE ADDRESS OF 777100

JUMPER TABLE FOR M7021 (CD11)

JUMPER	STATE	COMMENTS
2	OUT	VECTOR BIT #2
3	IN	VECTOR BIT #3
4	IN	VECTOR BIT #4
5	OUT	VECTOR BIT #5
6	OUT	VECTOR BIT #6
7	IN	VECTOR BIT #7
8	OUT	VECTOR BIT #8

THIS CORRESPONDS TO A VECTOR ADDRESS OF 230

NO PRIORITY PLUG. HARDWIRED TO PRIORITY LEVEL 4.
STATUS AND CONTROL REGISTER (CDST) 777100
COLUMN COUNT REGISTER (C0CC) 777102
CURRENT ADDRESS REGISTER (C0BA) 777104
DATA BUFFER REGISTER (C00B) 777106
INTERFACE CABLE 7000764 (M957 PADDLE BOARD C0NNECTOR)
CONNECTED TO CD11 SLOT B02.

REVISIONS		
CHK	CHANGE NO	REV

							TITLE	SIZE CODE	NUMBER	REV.
							ARITHMETIC PROCESSOR	DUA	KLI0-E-0	U
							SCALE	SHEET	OF	
							15	39		

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LP28-B LINE PRINTER CONTROLLER

5411704 ETCHED BACKPLANE

LOWEST ACCEPTABLE REVISION ETCH REV A

7011427 WIRED ASSEMBLY

USE WIRE LIST REV B OF K-WL-LP28-B-WL OR LATER

W0505 TRANSLATION RAM LOCATION CODE#4

LOWEST ACCEPTABLE REVISION MODULE REV B

NO JUMPERS OR OTHER CONFIGURABLE COMPONENTS.

W0506 LINE PRINTER CONTROL LOCATION ABCDEF#2

LOWEST ACCEPTABLE REVISION MODULE REV B

JUMPER TABLE

JUMPER	STATE	COMMENTS
W1	IN (UNIT #1), OUT (UNIT #2)	ADDRESS BIT #4
W2	IN	ADDRESS BIT #5
W3	IN	ADDRESS BIT #6
W4	IN	ADDRESS BIT #7
W5	OUT	ADDRESS BIT #8
W6	OUT	ADDRESS BIT #9
W7	IN	ADDRESS BIT #10
W8	OUT	ADDRESS BIT #11
W9	OUT	ADDRESS BIT #12
W10	IN(UNIT#1) OUT (UNIT#2)	VECTOR BIT #2
W11	IN	VECTOR BIT #3
W12	OUT	VECTOR BIT #4
W13	IN	VECTOR BIT #5
W14	IN	VECTOR BIT #6
W15	IN	VECTOR BIT #7
W16	IN	VECTOR BIT #8

W1-W9 CORRESPOND TO A BASE ADDRESS OF 775400 IN UNIT #1 AND OF 775420 IN UNIT #2.

W10-W16 CORRESPOND TO A VECTOR ADDRESS OF 754 IN UNIT #1 AND OF 750 IN UNIT #2.

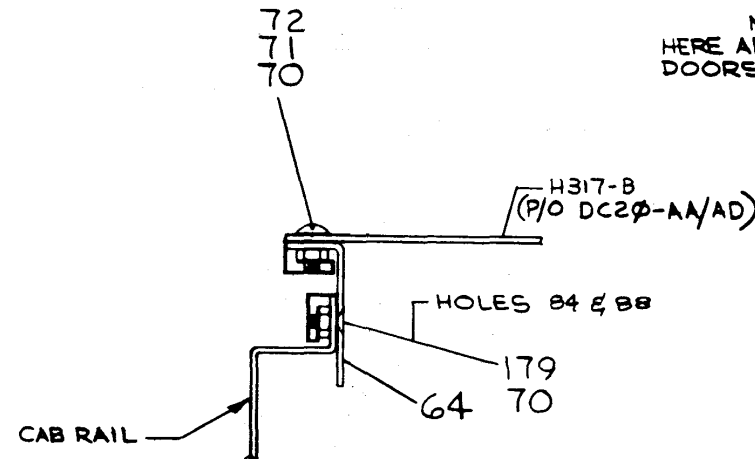
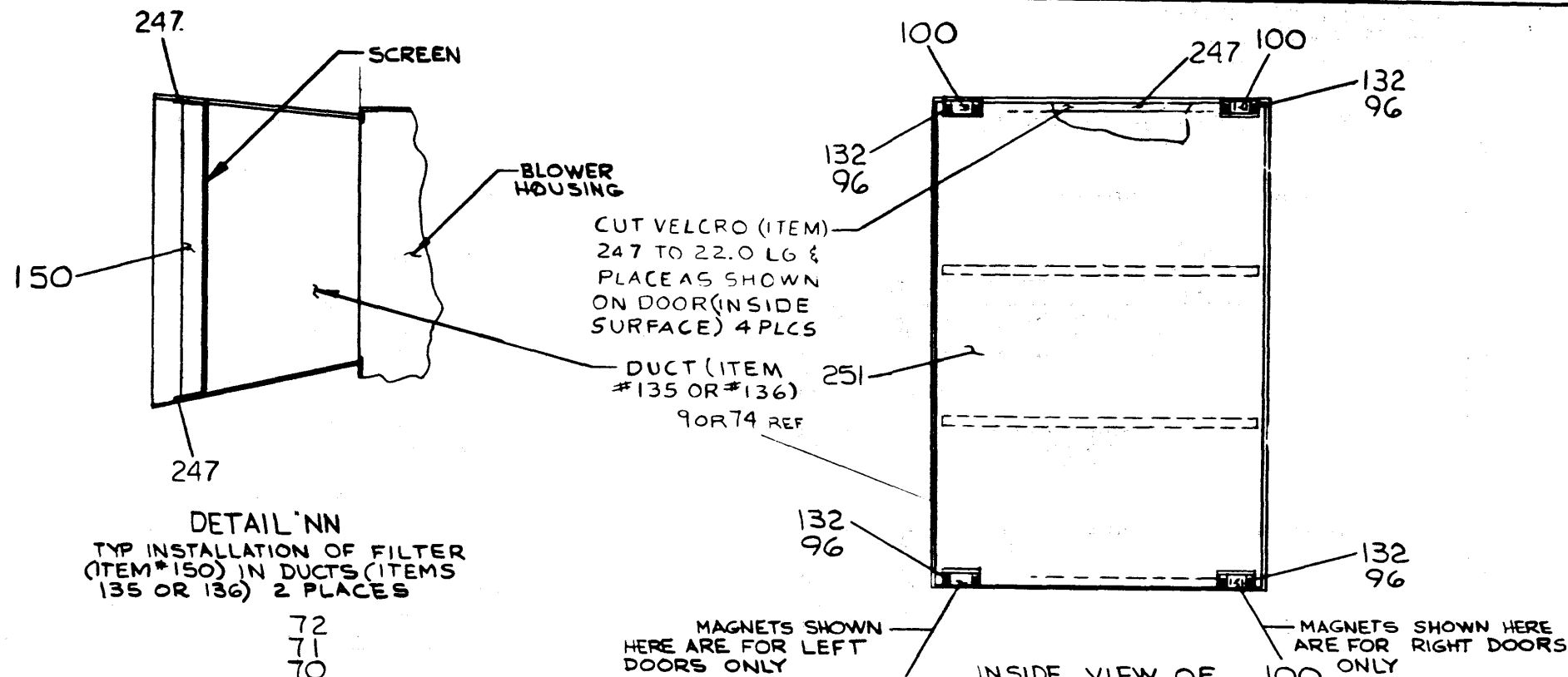
DIP SITE E06 CONTAINS PRIORITY PLUG 5408770 (B04).

W0507 LINE PRINTER DATA PATHS LOCATION ABCDEF#3

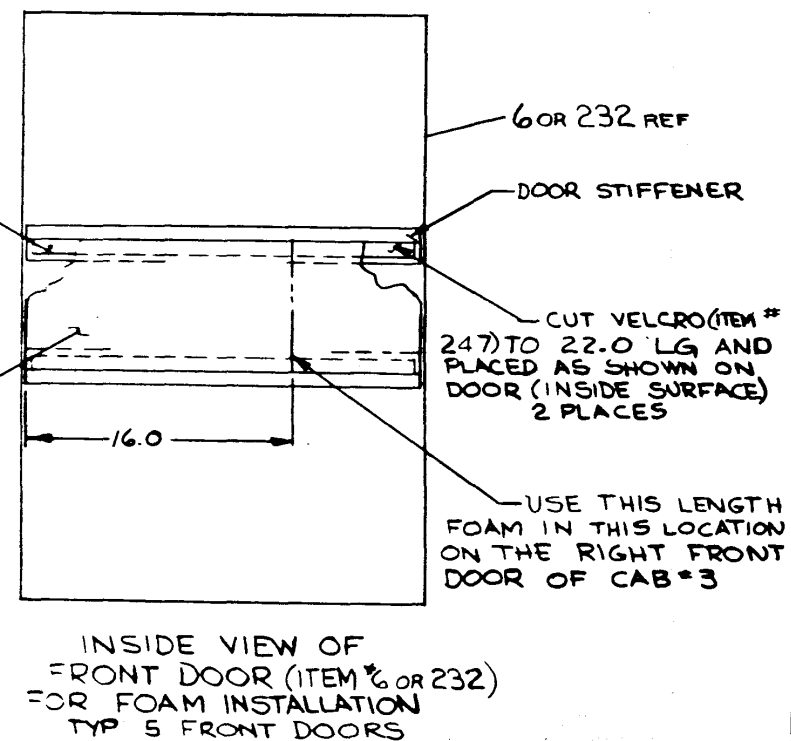
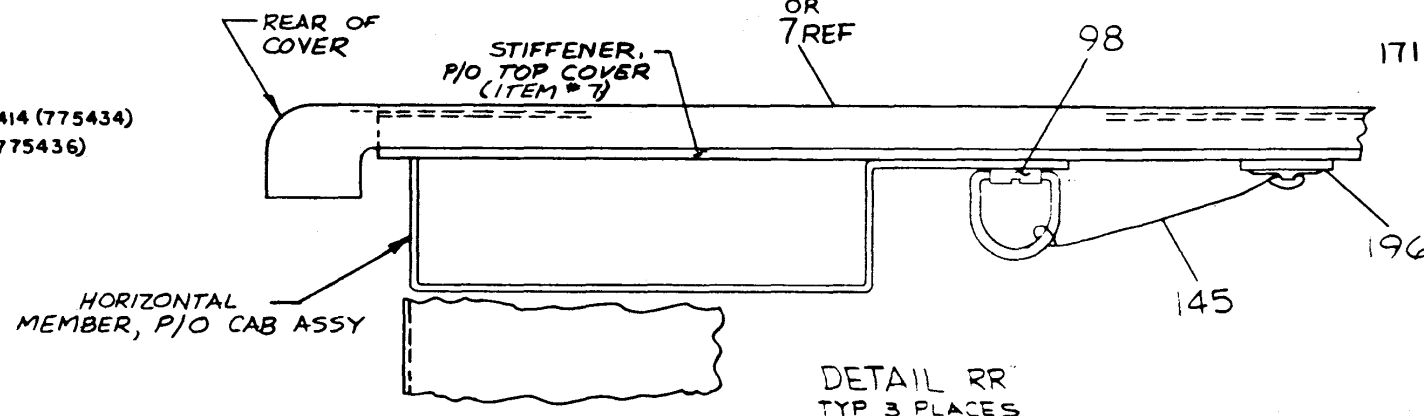
LOWEST ACCEPTABLE REVISION MODULE REV B

JUMPER TABLE

JUMPER	STATE	COMMENTS
W1	OUT	INSTALL TO ENABLE PARITY
W2	IN	INSTALL FOR DATA
STATUS REGISTER (LPCSR) 775400 (775420)		
ERROR AND TEST REGISTER (LPCSTR) 775402 (775422)		
DMA BUS ADDRESS REGISTER (LPBSAR) 775404 (775424)		
DMA BYTE COUNTER REGISTER (LPCBCTR) 775406 (775426)		
PAGE COUNTER REGISTER (LPPCTR) 775410 (775430)		
RAM DATA REGISTER (LPRAMD) 775412 (775432)		
COLUMN COUNTER/CHAR. BUFFER REGISTER (LPCCTR/LPCBUF) 775414 (775434)		
PRINTER DATA/CHECKSUM REGISTER (LPTDAT/LPCKSM) 775416 (775436)		



DETAIL 'KK'
SCALE: 1/1
TYP MOUNTING OF H317-B
MOUNTING BRACKET (ITEM #64)
(4 PLACES)



REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE CODE	NUMBER	REV.
ARITHMETIC PROCESSOR		DUA KL10-E-0	U	
SCALE		SHEET 16 OF 39	DIST.	



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0-3-017XMD 2

1 MK

D

D

C

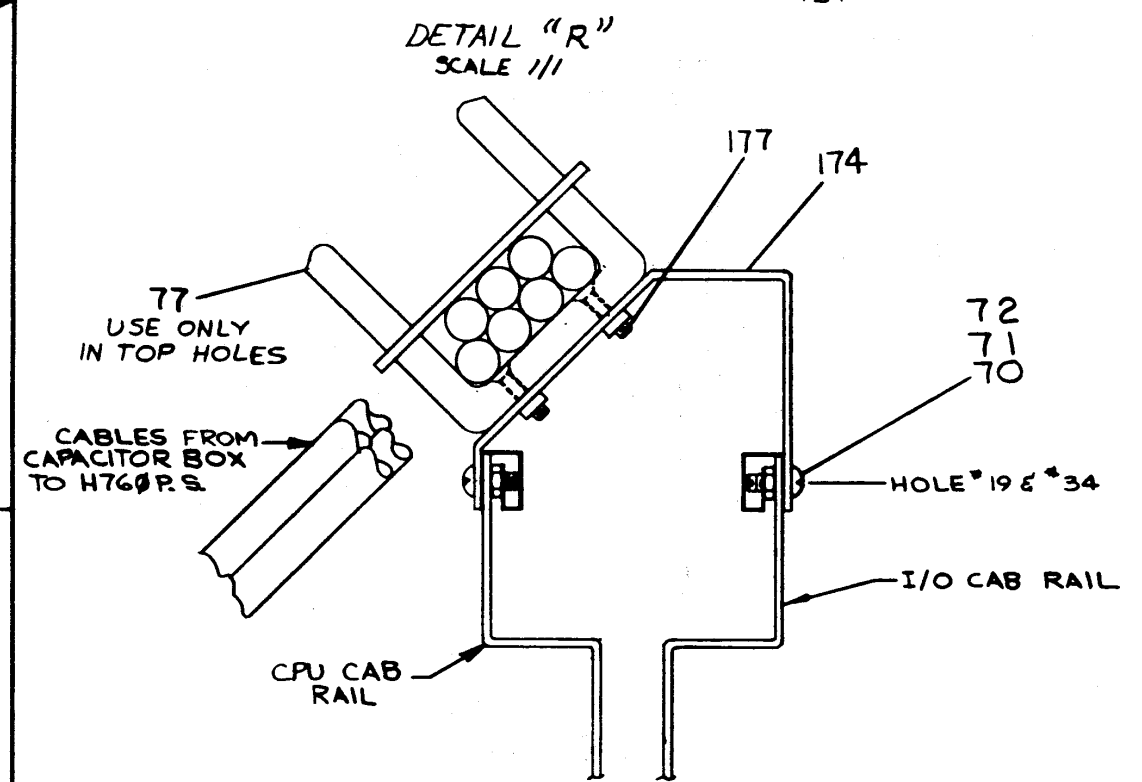
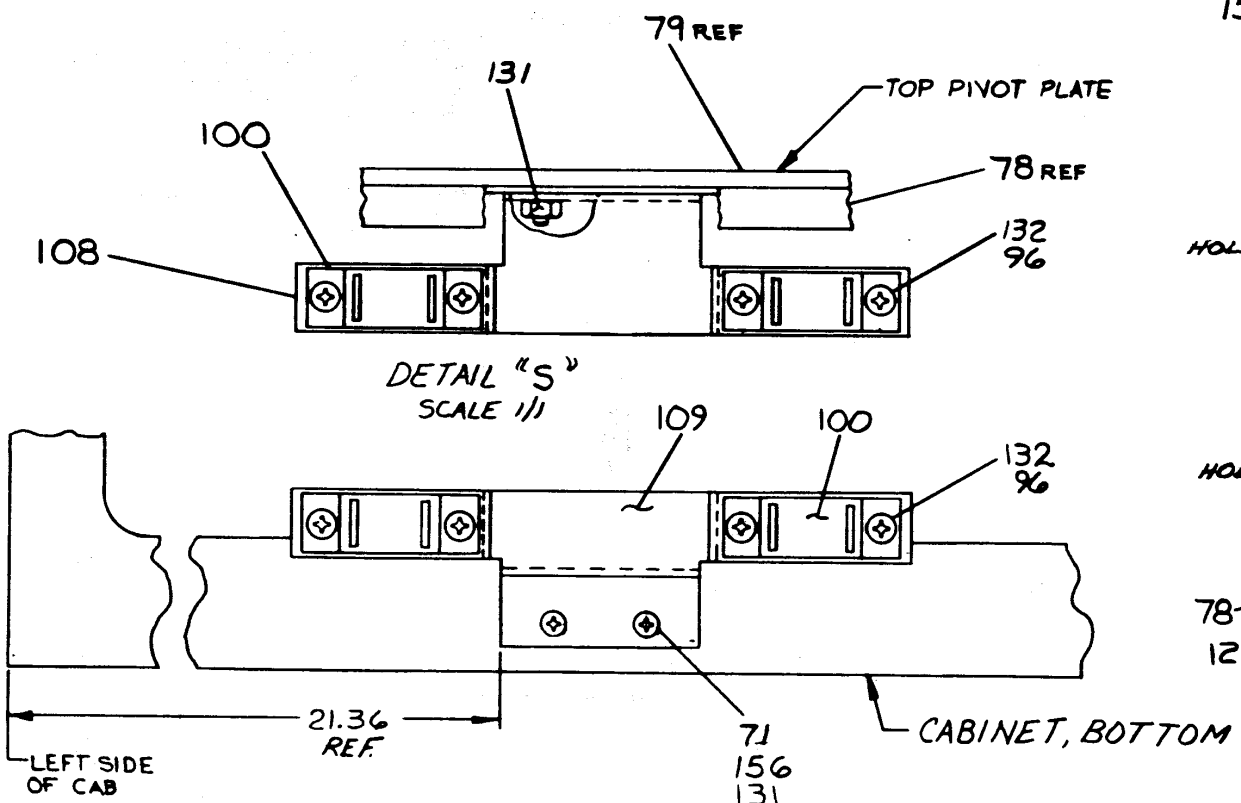
C

B

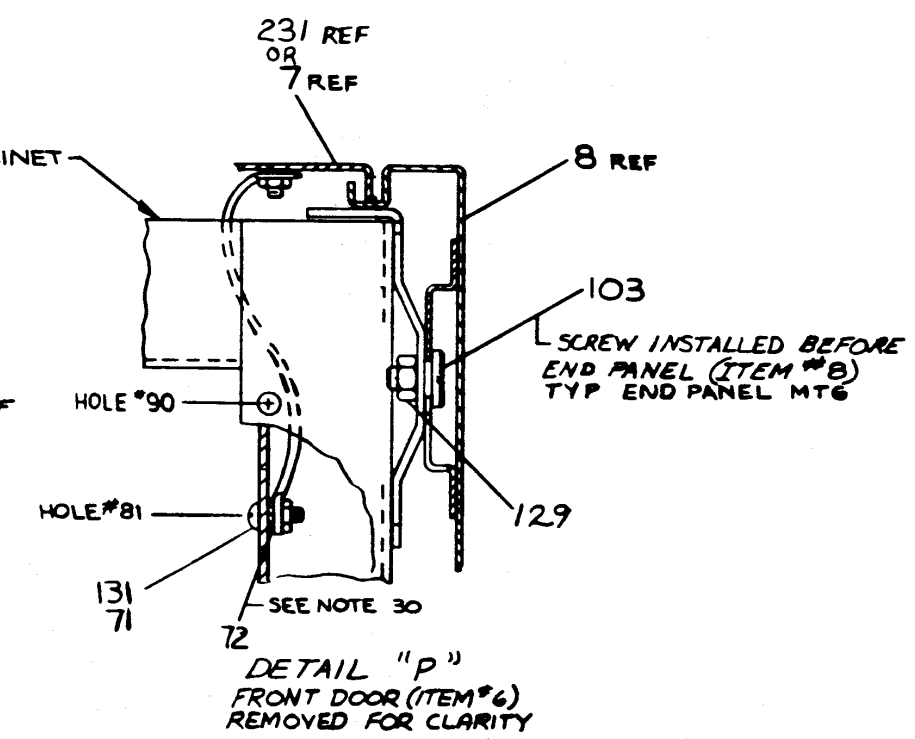
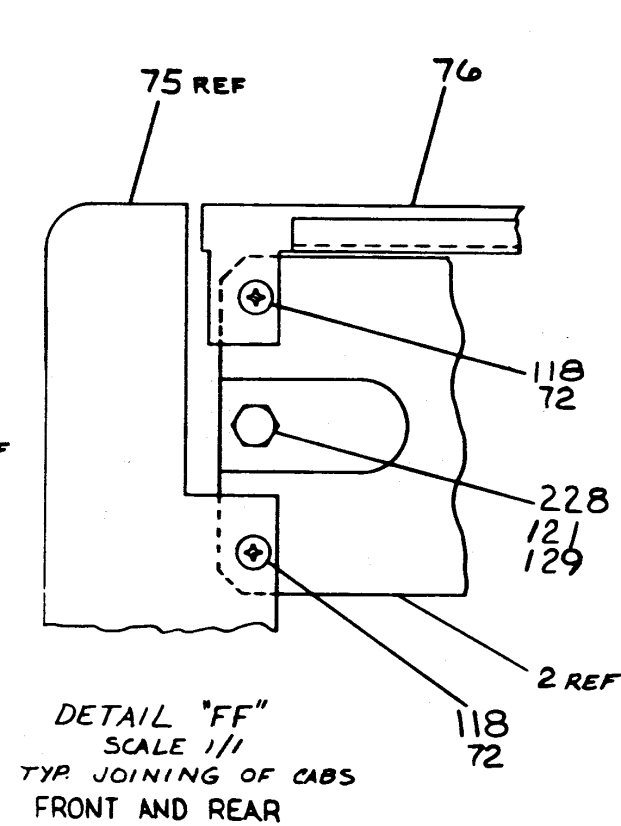
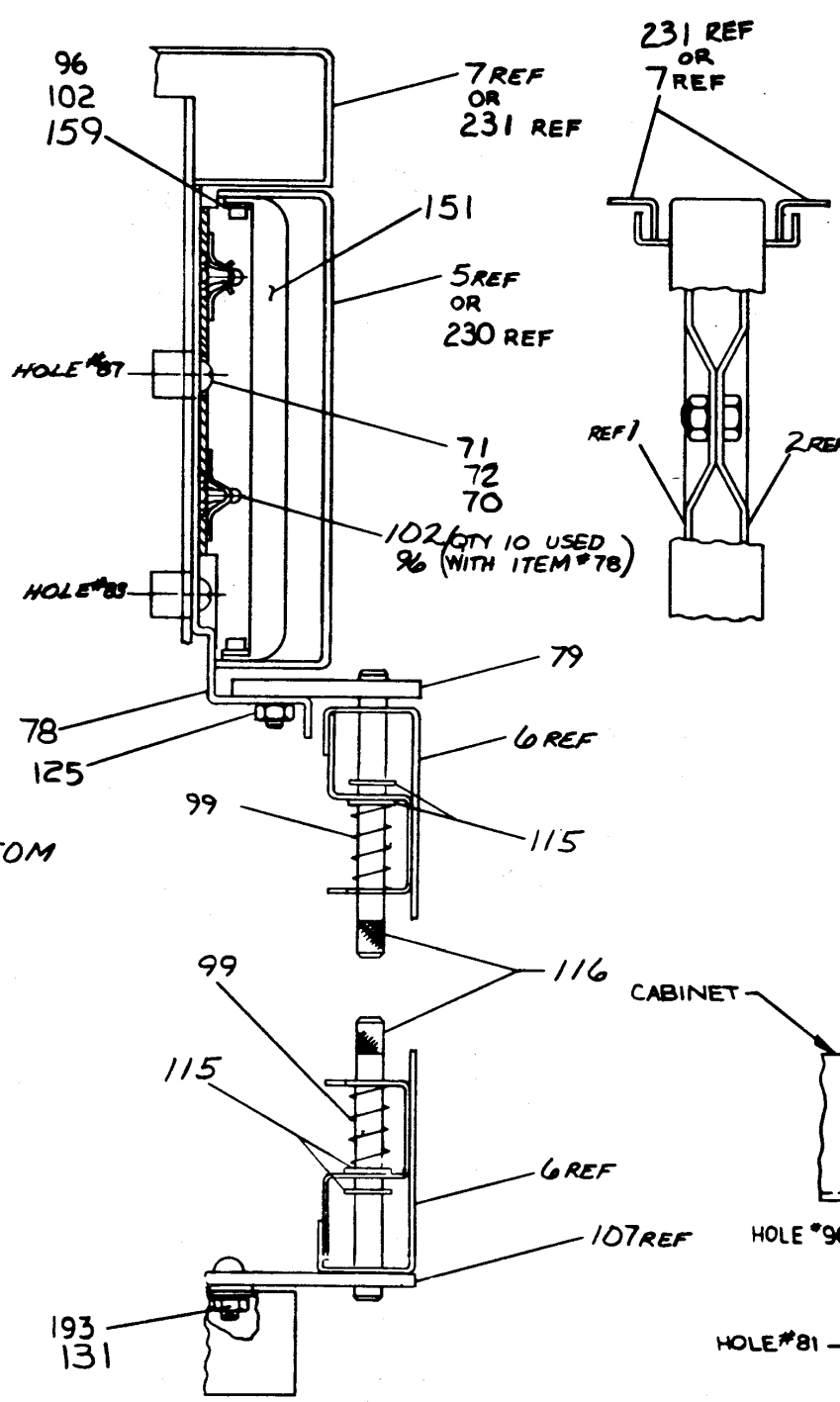
B

A

A



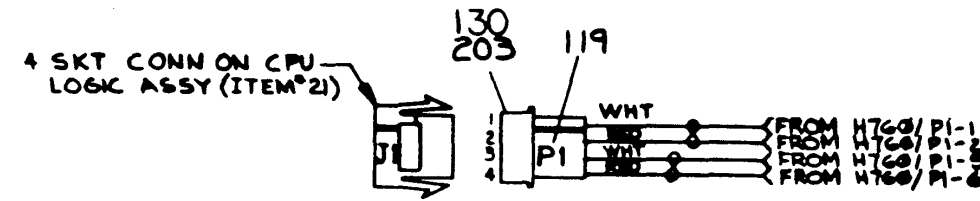
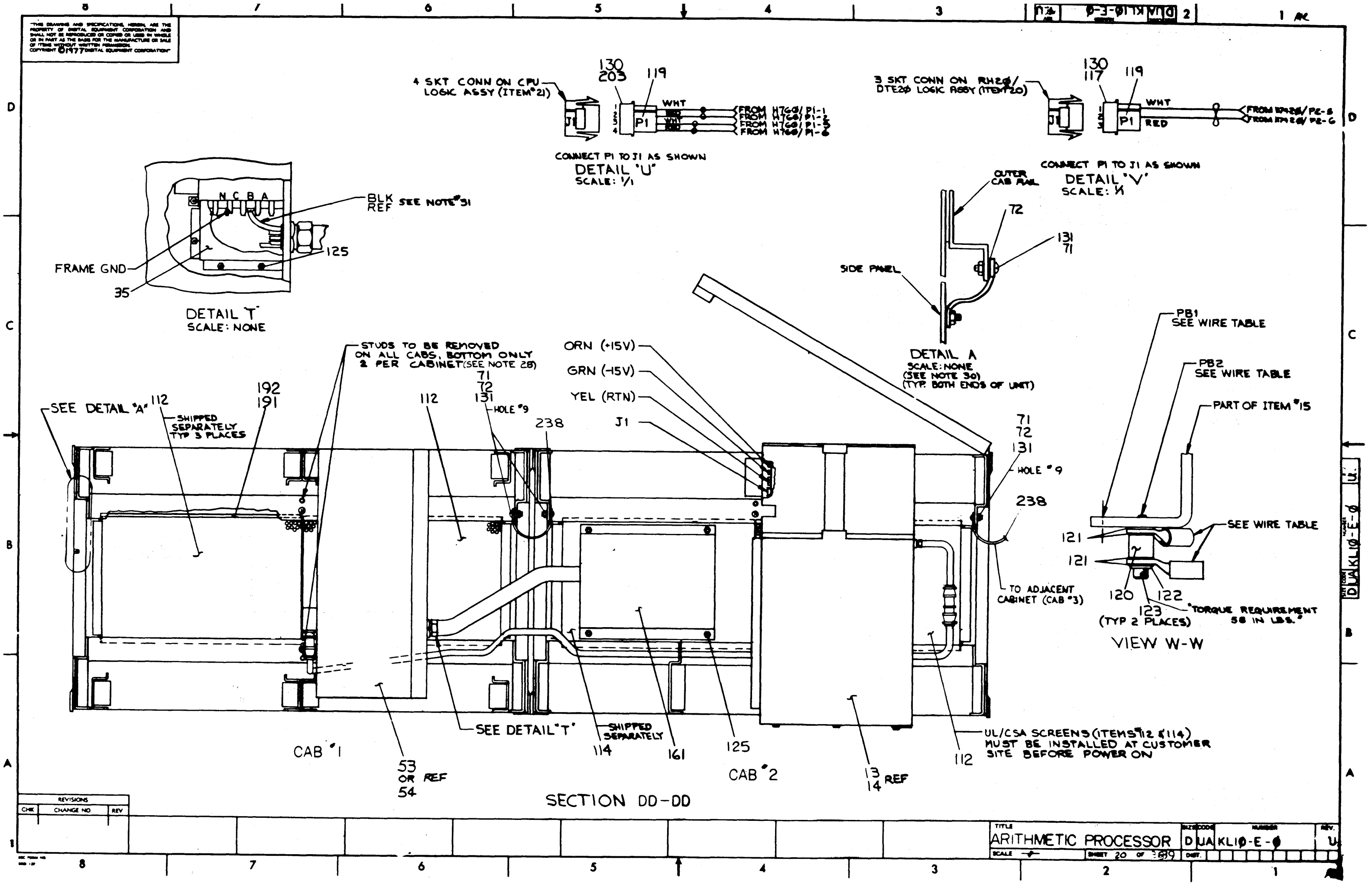
SECTION HH-HH
SCALE: 1/1



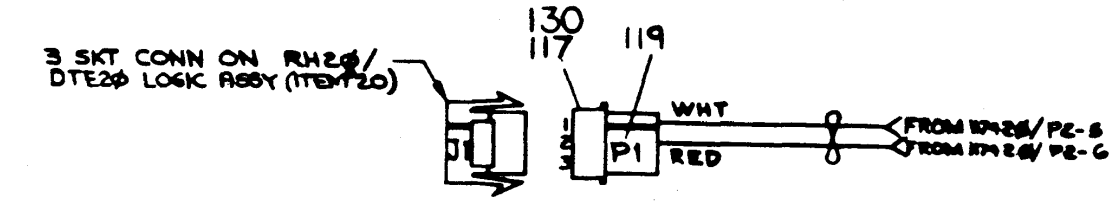
REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE CODE	NUMBER	REV.
ARITHMETIC PROCESSOR		DUA KL10-E-φ	U	U
SCALE		SHEET 19 OF 39	DIST.	

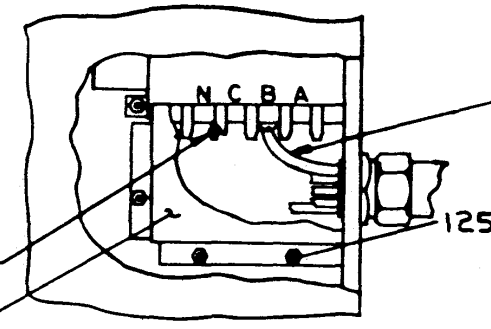
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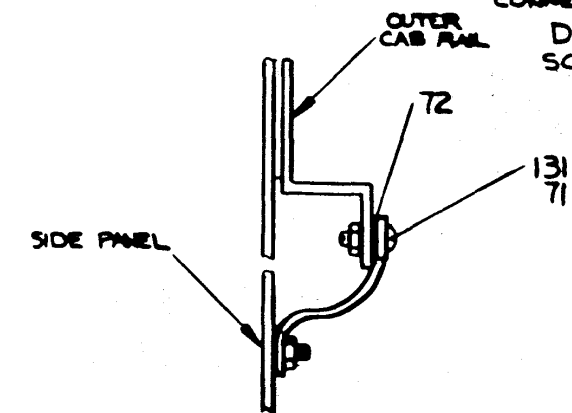
CONNECT P1 TO J1 AS SHOWN
DETAIL 'U'
SCALE: 1/1



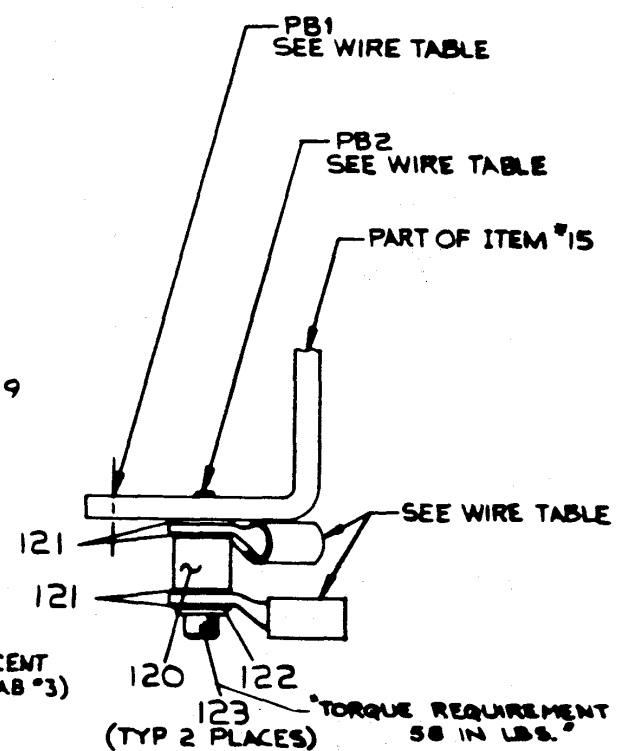
CONNECT P1 TO J1 AS SHOWN
DETAIL 'V'
SCALE: 1/1



DETAIL 'T'
SCALE: NONE



DETAIL 'A'
SCALE: NONE
(SEE NOTE 30)
(TYP. BOTH ENDS OF UNIT)



VIEW W-W

STUDS TO BE REMOVED
ON ALL CABS, BOTTOM ONLY
2 PER CABINET (SEE NOTE 28)

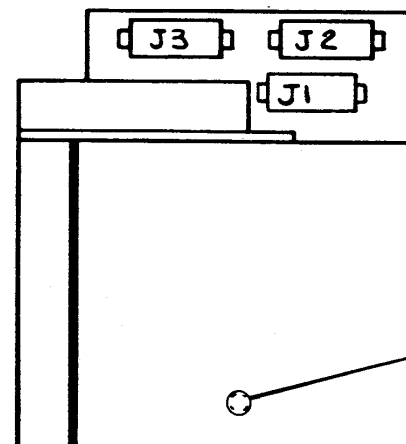
ORN (+15V)
GRN (-15V)
YEL (RTN)
J1

SECTION DD-DD

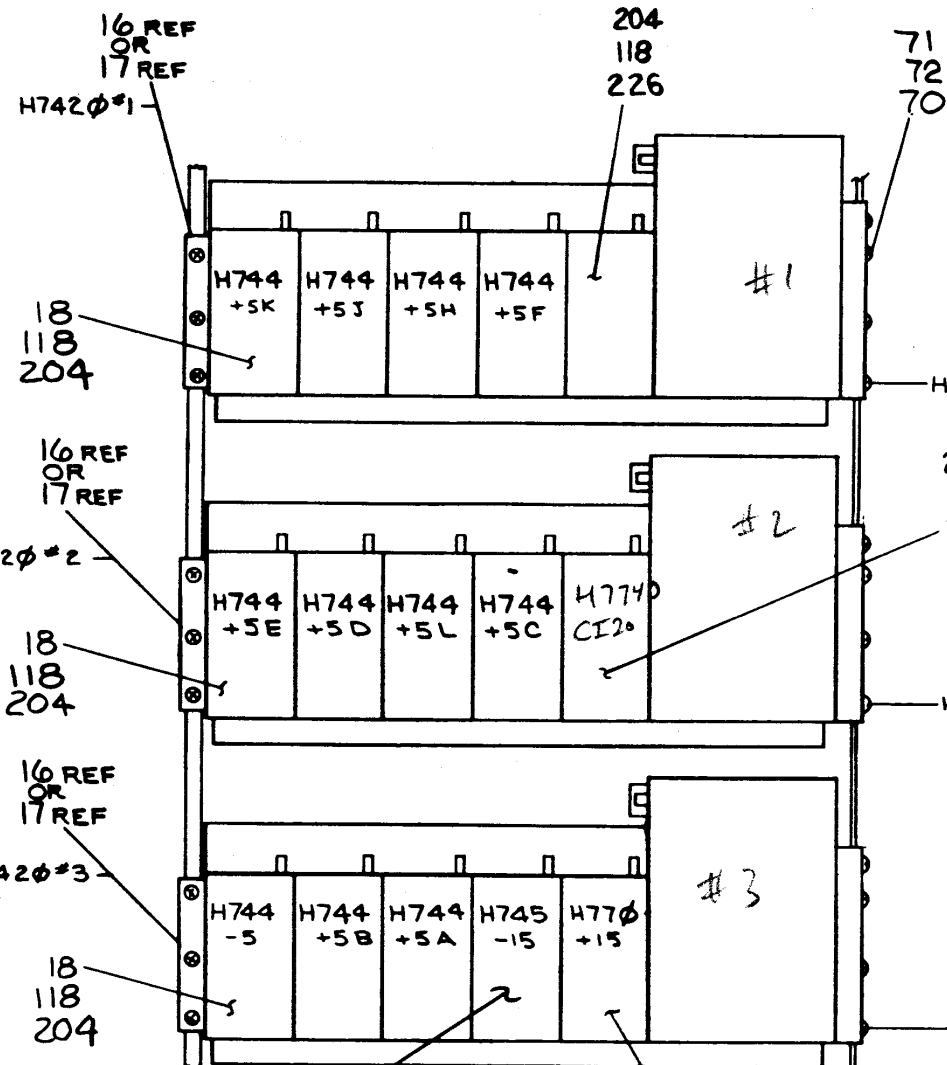
REVISIONS		
CHE	CHANGE NO	REV

TITLE	ARITHMETIC PROCESSOR	NUMBER	DJAKLQ-E-0	REV	U
SCALE	1" = 1"	SHEET	20 OF 39	DATE	

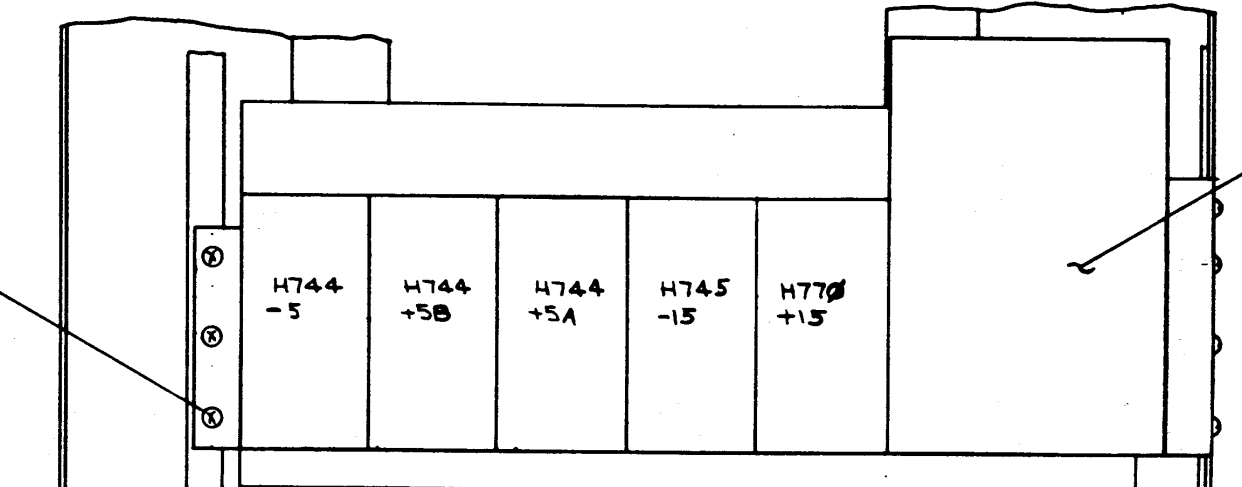
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VIEW OF H742 ϕ CONNECTIONS



71
72
70



16 REF
OR
17 REF

13 REF
OR
14 REF

82

59 REF

128
121

128
122
129

FRONT OF CAB

REAR OF CAB

VIEW CC-CC
(I/O CAB)

SHIPPED SEPARATELY
TYP 3 PLACES

HOLE #21

HOLE #58

HOLE #40

VIEW BB-BB
(I/O CAB)

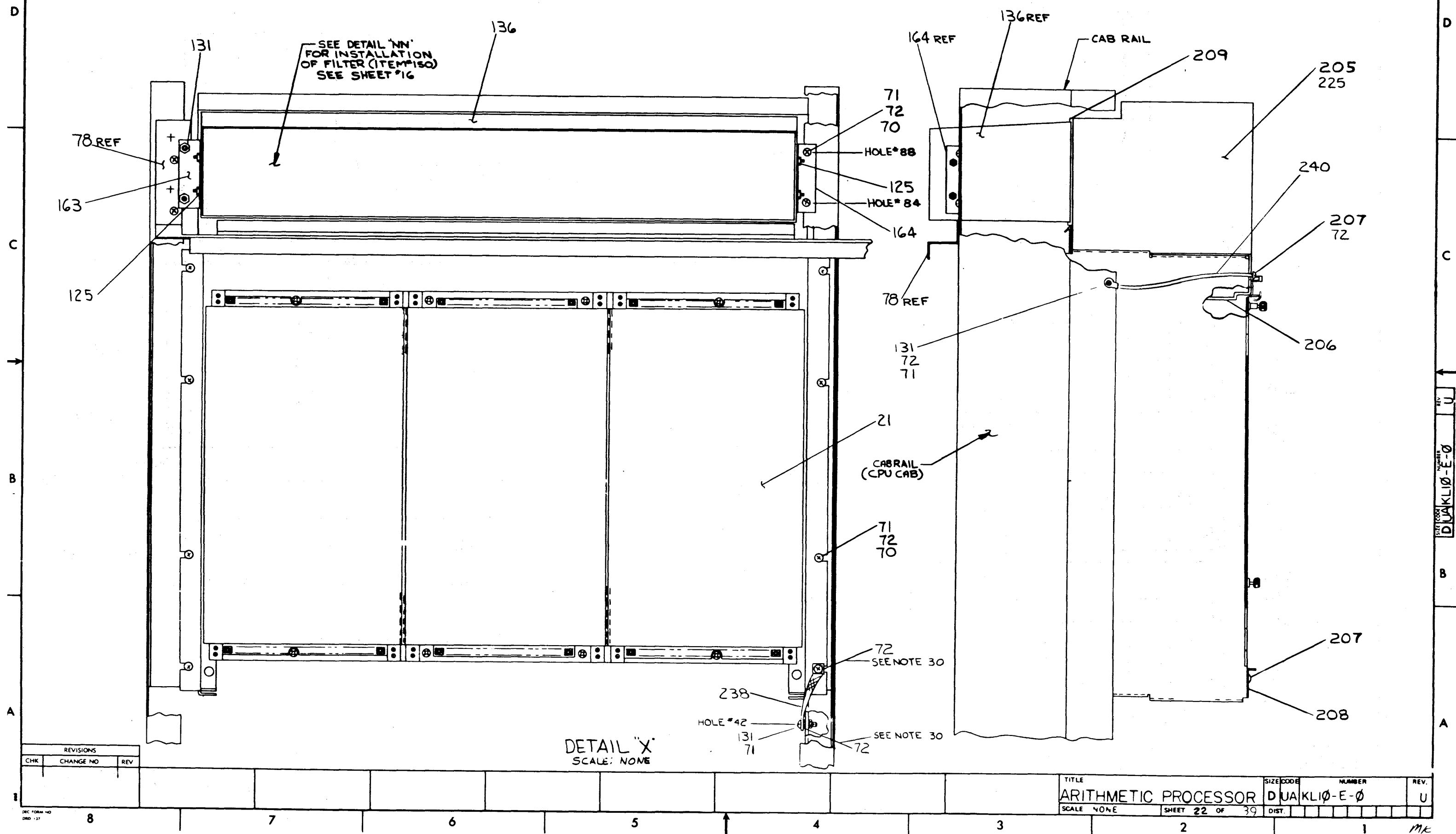
REVISIONS		
CHK	CHANGE NO.	REV

TITLE		SIZE CODE	NUMBER	REV.
ARITHMETIC PROCESSOR		DUA KLIO-E- ϕ	U	
SCALE		SHEET 21 OF 39	DIST.	

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0-3-017XMD 2

1 MK

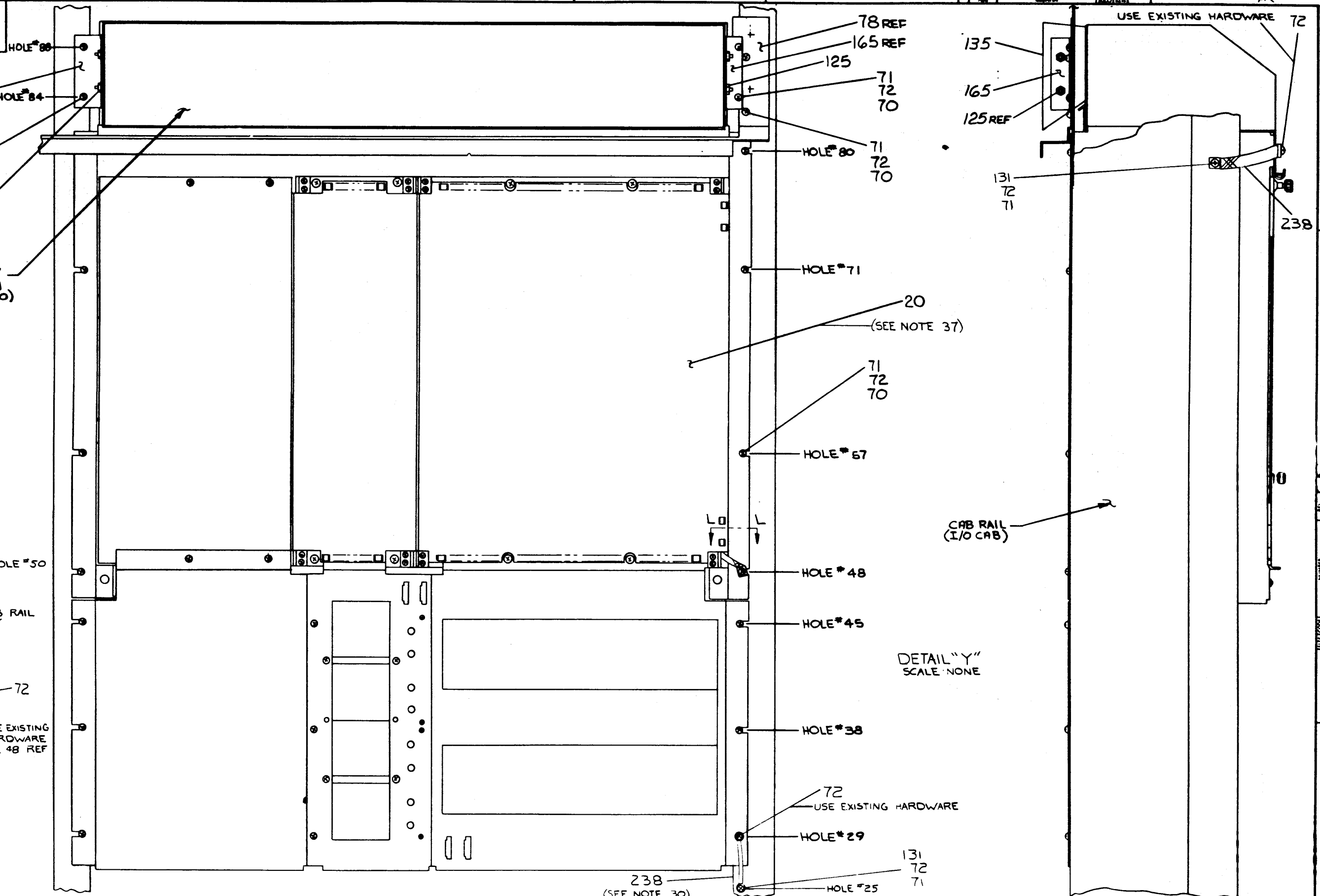


REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE CODE	NUMBER	REV.
ARITHMETIC PROCESSOR		D	UAKLIØ-E-Ø	U
SCALE NONE		SHEET 22 OF 39		DIST.

1 MK

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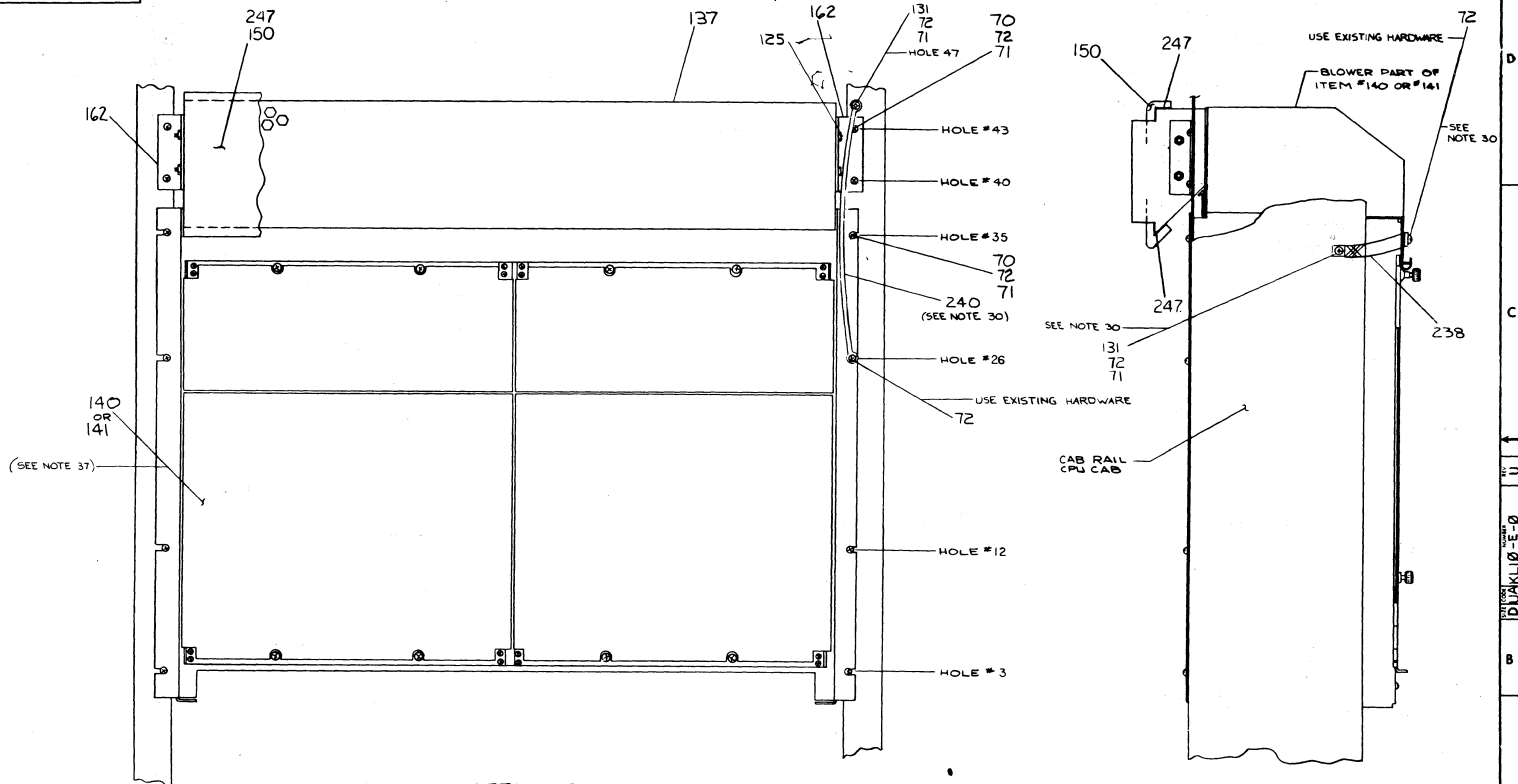
REVISIONS		
CHK	CHANGE NO	REV

DEC FORM 100
DMD 137

TITLE		SIZE CODE	NUMBER	REV.
ARITHMETIC PROCESSOR		D	UAKLQ-E-0	U
SCALE		SHEET	23 OF 39	DIST.

U
D
UAKLQ-E-0
B
A

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DETAIL - Z
SCALE: 1/2
KLIO-EA/EB/EC/ED
VARIATION ONLY

REVISIONS		
CHK	CHANGE NO	REV

DEC FORM NO
080 137

8

7

6

5

4

3

2

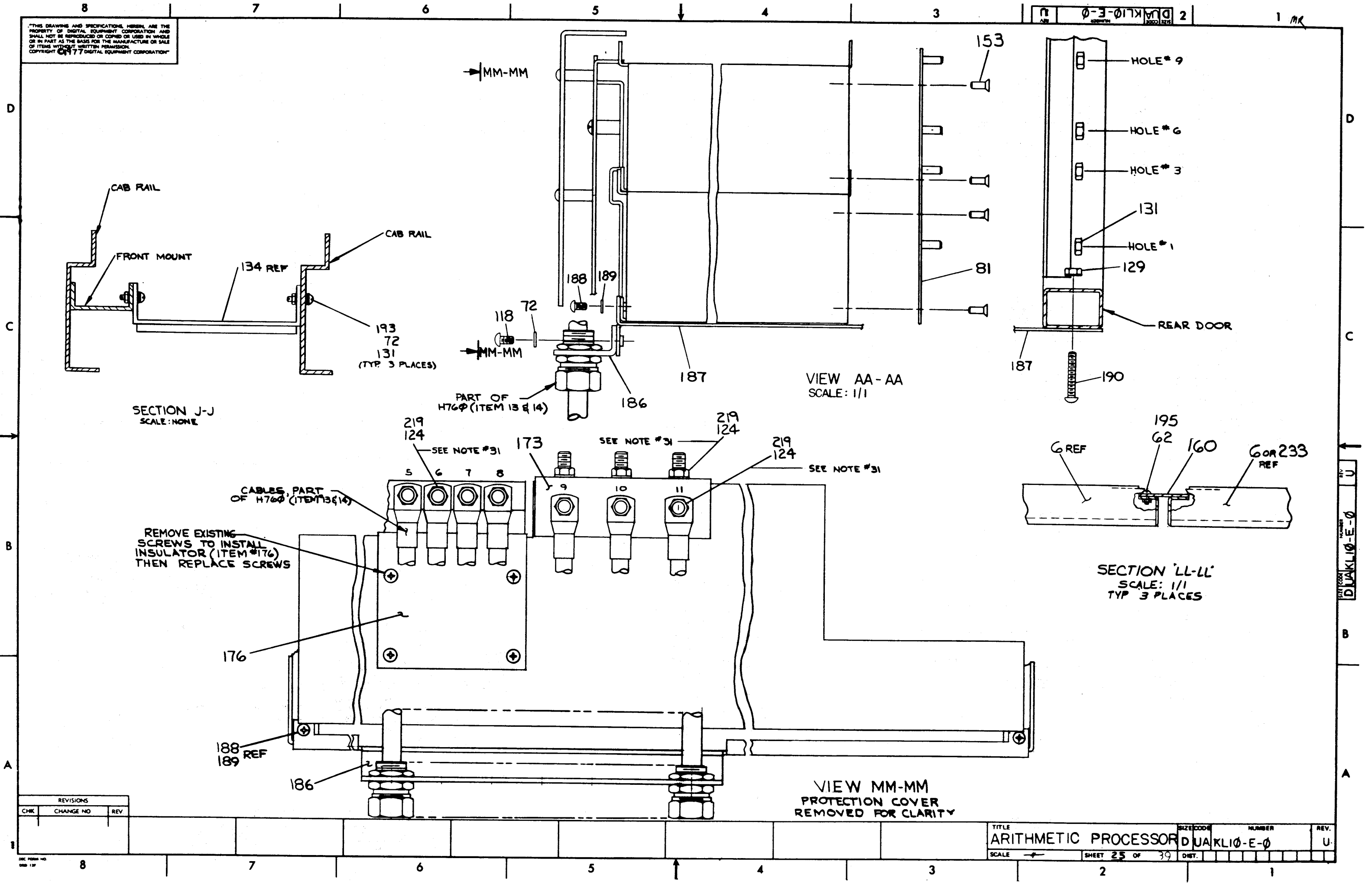
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100

TITLE		SIZE CODE	NUMBER	REV.
ARITHMETIC PROCESSOR		DUA	KLIO-E-0	U
SCALE		SHEET 24 OF 39		DIST.

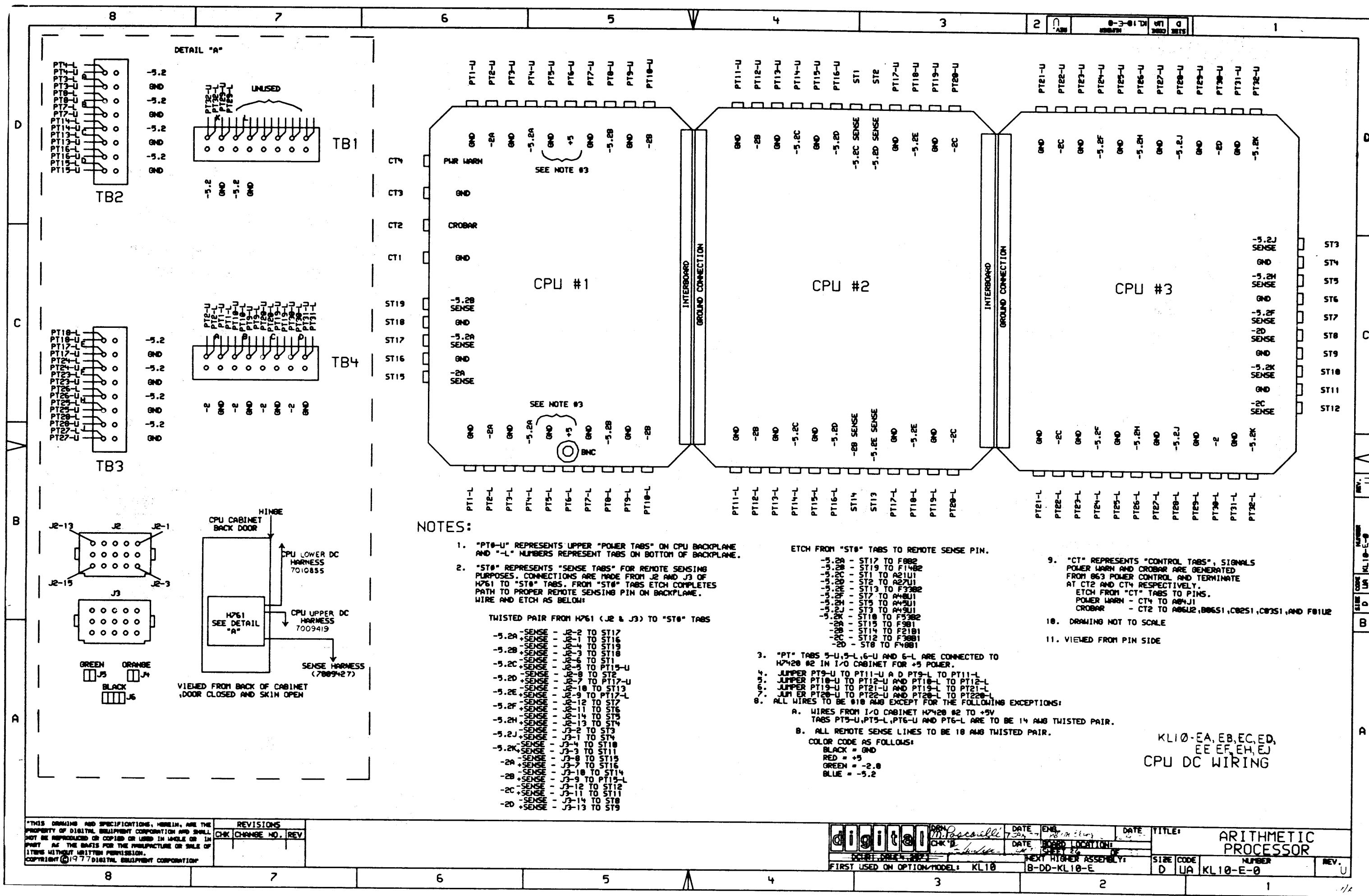
100

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REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE CODE	NUMBER	REV.
ARITHMETIC PROCESSOR		DUAL	KLIØ-E-Ø	U.
SCALE		SHEET 25 OF 39	DIST.	



DETAIL "A"

NOTES:

- 1. "PT-U" REPRESENTS UPPER "POWER TABS" ON CPU BACKPLANE AND "L" NUMBERS REPRESENT TABS ON BOTTOM OF BACKPLANE.
- 2. "ST-U" REPRESENTS "SENSE TABS" FOR REMOTE SENSING PURPOSES. CONNECTIONS ARE MADE FROM J2 AND J3 OF H761 TO "ST-U" TABS. FROM "ST-U" TABS ETCH COMPLETES PATH TO PROPER REMOTE SENSING PIN ON BACKPLANE. WIRE AND ETCH AS BELOW:

TWISTED PAIR FROM H761 (J2 & J3) TO "ST-U" TABS

-5.2A	SENSE	J2-2	TO ST17
-5.2B	SENSE	J2-1	TO ST18
-5.2C	SENSE	J2-3	TO ST19
-5.2D	SENSE	J2-8	TO ST2
-5.2E	SENSE	J2-7	TO ST17-U
-5.2F	SENSE	J2-10	TO ST13
-5.2G	SENSE	J2-9	TO PT17-L
-5.2H	SENSE	J2-12	TO ST7
-5.2J	SENSE	J2-11	TO ST6
-5.2K	SENSE	J2-14	TO ST5
-5.2L	SENSE	J2-13	TO ST4
-5.2M	SENSE	J2-2	TO ST3
-5.2N	SENSE	J2-1	TO ST2
-5.2P	SENSE	J2-3	TO ST1
-5.2Q	SENSE	J2-8	TO ST19
-5.2R	SENSE	J2-7	TO ST18
-5.2S	SENSE	J2-10	TO ST17
-5.2T	SENSE	J2-9	TO ST16
-5.2U	SENSE	J2-12	TO ST15
-5.2V	SENSE	J2-11	TO ST14
-5.2W	SENSE	J2-14	TO ST13
-5.2X	SENSE	J2-13	TO ST12
-5.2Y	SENSE	J2-2	TO ST11
-5.2Z	SENSE	J2-1	TO ST10

ETCH FROM "ST-U" TABS TO REMOTE SENSE PIN.

-5.2A	ST17	TO F882
-5.2B	ST19	TO F1482
-5.2C	ST1	TO A21U1
-5.2D	ST2	TO A27U1
-5.2E	ST13	TO F3382
-5.2F	ST7	TO A48U1
-5.2G	ST5	TO A45U1
-5.2H	ST3	TO A45U1
-5.2J	ST18	TO F3382
-5.2K	ST19	TO F3881
-5.2L	ST14	TO F2181
-5.2M	ST12	TO F3881
-5.2N	ST8	TO F4881

- 3. "PT" TABS 5-U, 5-L, 6-U AND 6-L ARE CONNECTED TO H7420 #2 IN I/O CABINET FOR +5V POWER.
- 4. JUMPER PT9-U TO PT11-U AND PT9-L TO PT11-L
- 5. JUMPER PT18-U TO PT12-U AND PT18-L TO PT12-L
- 6. JUMPER PT19-U TO PT21-U AND PT19-L TO PT21-L
- 7. JUMPER PT28-U TO PT22-U AND PT28-L TO PT22-L

- 8. ALL WIRES TO BE #18 AWG EXCEPT FOR THE FOLLOWING EXCEPTIONS:
 - A. WIRES FROM I/O CABINET H7420 #2 TO +5V TABS PT5-U, PT5-L, PT6-U AND PT6-L ARE TO BE 14 AWG TWISTED PAIR.
 - B. ALL REMOTE SENSE LINES TO BE 18 AWG TWISTED PAIR.

COLOR CODE AS FOLLOWS:
BLACK = GND
RED = +5
GREEN = -2.0
BLUE = -5.2

- 9. "CT" REPRESENTS "CONTROL TABS". SIGNALS POWER WARN AND CROBAR ARE GENERATED FROM 863 POWER CONTROL AND TERMINATE AT CT2 AND CT4 RESPECTIVELY. ETCH FROM "CT" TABS TO PINS.
POWER WARN - CT4 TO A84J1
CROBAR - CT2 TO A86J2, B86S1, C82S1, C83S1, AND F81U2
- 10. DRAWING NOT TO SCALE
- 11. VIEWED FROM PIN SIDE

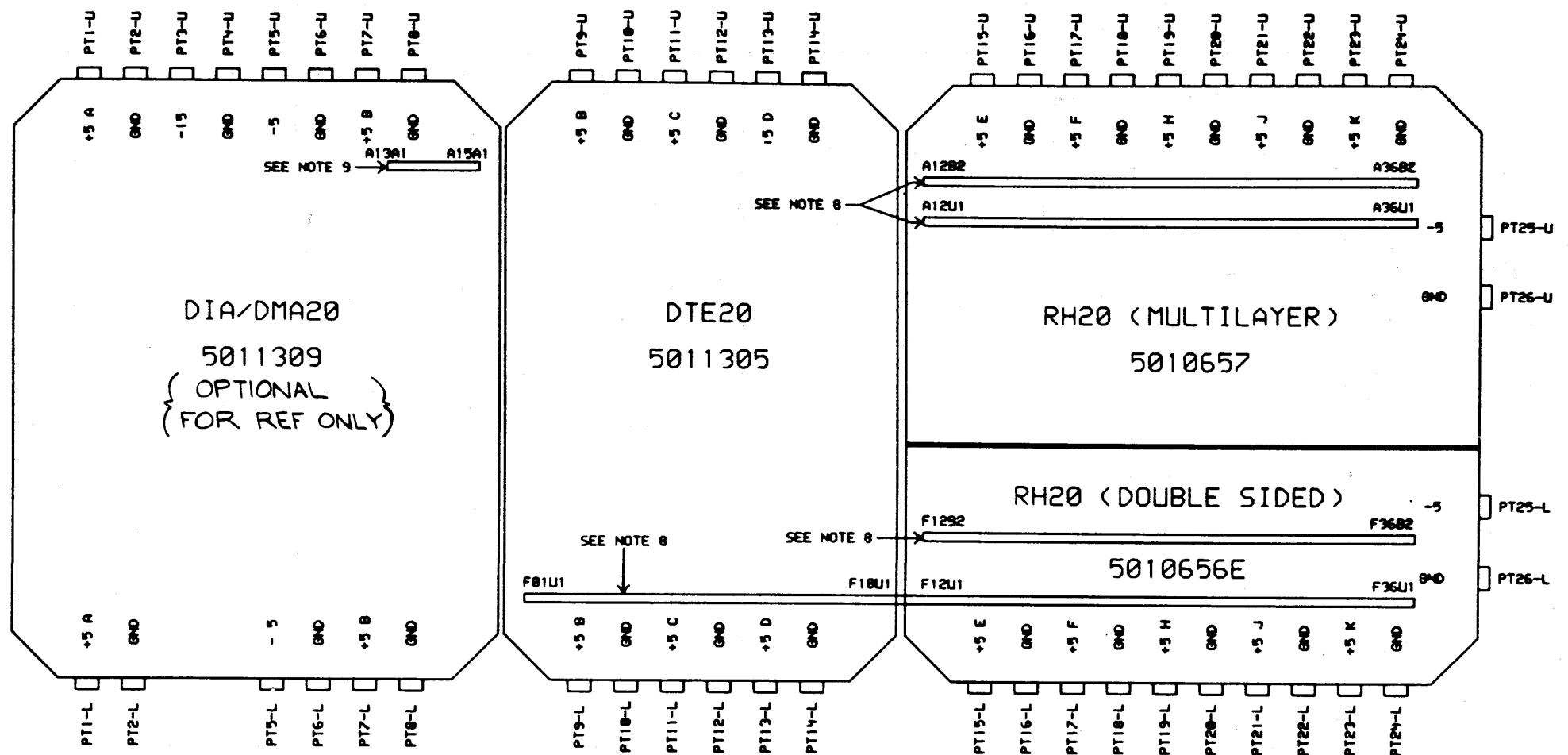
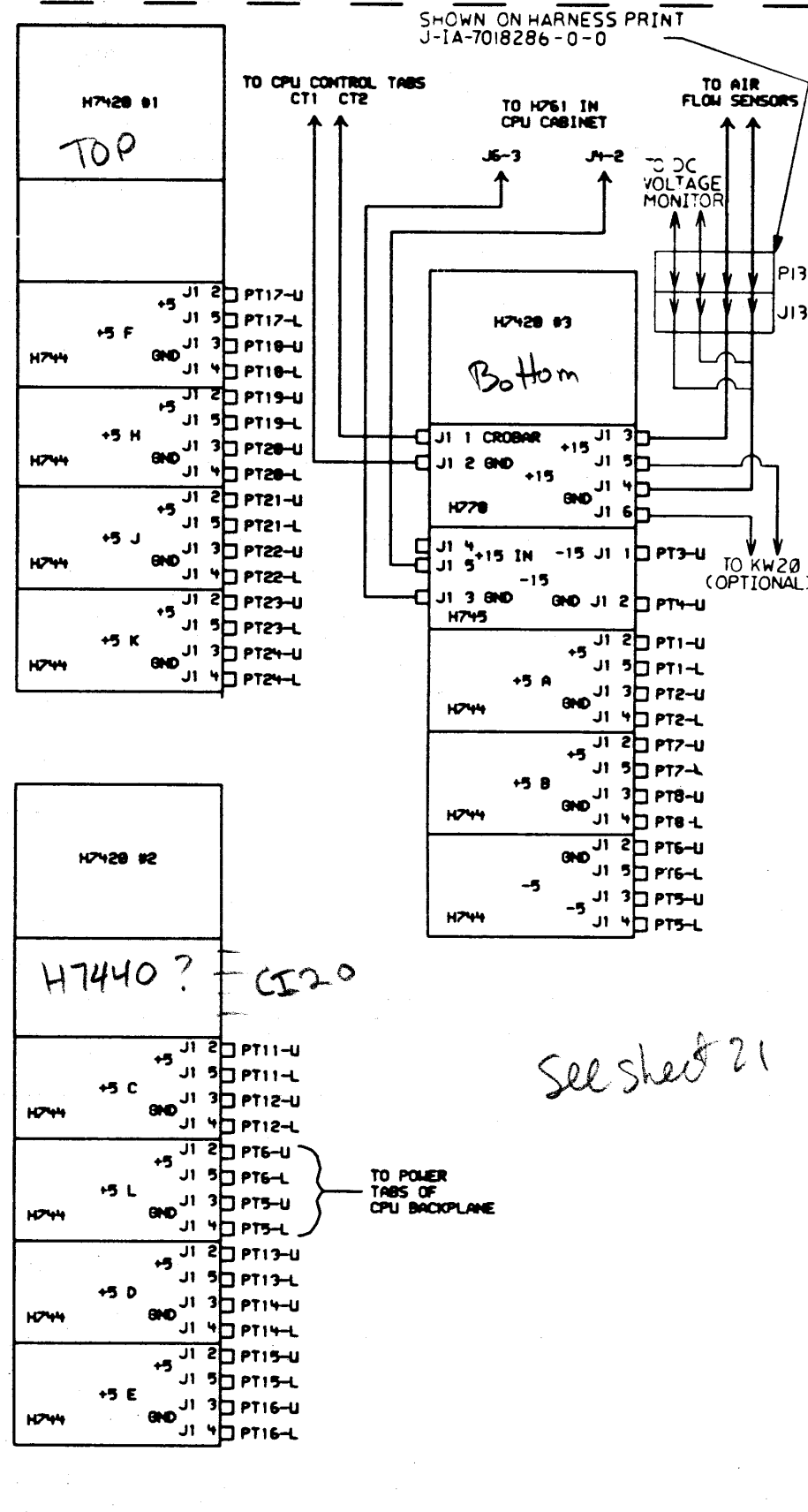
KL10-EA, EB, EC, ED, EE, EF, EH, EJ
CPU DC WIRING

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REVISIONS	
CHK	CHANGE NO. REV

digital	DATE	ENG	DATE	TITLE
	7-28-77	AK/WH/SL		ARITHMETIC PROCESSOR
DATE	CHK	DATE	CHK	DATE
7-28-77	AK/WH/SL	7-28-77	AK/WH/SL	7-28-77
FIRST USED ON OPTION/MODEL: KL10		NEXT HIGHER ASSEMBLY: B-DD-KL10-E		SIZE CODE
				D UA KL10-E-0
				REV. U

SHOWN ON HARNESS PRINT
J-1A-7018286-0-0



NOTES:

1. "PT8-U" REPRESENTS UPPER "POWER TAB" ON I/O BACKPLANE AND "L" NUMBERS REPRESENT TABS ON BOTTOM OF BACK PLANE.
2. +5.0 L FEEDS POWER TABS 5-U, 5-L, 6-U, AND 6-L OF CPU BACKPLANE.
3. +15V REGULATOR (H778) FEEDS THE AIRFLOW SENSORS IN THE KL10 SYSTEM.
4. JUMPER PT7-U TO PT9-U AND PT8-U TO PT10-U.
5. JUMPER PT7-L TO PT9-L AND PT8-L TO PT10-L.
6. JUMPER PT5-U TO PT25-U AND PT5-L TO PT25-L.
7. JUMPER PT6-U TO PT26-U AND PT6-L TO PT26-L.
8. PIN BLOCK BUS BARS ARE USED IN RH20 AND DTE20 TO DISTRIBUTE -5.0V.
9. PIN BLOCK BUS BAR IS USED IN DIA/DMA20 TO DISTRIBUTE -15V.
10. ALL WIRES TO BE #14 AWG TWISTED PAIR EXCEPT FOR THE FOLLOWING EXCEPTIONS:
 - A. WIRES TO AIR FLOW SENSORS TO BE 18 AWG
 - B. WIRES FROM H778 TO CPU BACK PLANE TO BE 18 AWG
 - C. +15V FROM H761 TO H745 TO BE 18 AWG
11. DRAWINGS ARE NOT TO SCALE.
12. VIEWED FROM PIN SIDE.
13. IF DIA/DMA OPTION IS NOT REQUIRED, CONNECT AND DISCONNECT THE FOLLOWING TERMINALS.
 - 13.1 SPlice the two (2) WIRES WHICH TERMINATE TO POWER TAB PT5-U WITH IN-LINE SPLICE ITEM #23 ALSO PERFORM THE FOLLOWING SPLICE ON POWER TABS PT6-U, PT7-U, PT8-U, PT5-L, PT6-L, PT7-L AND PT8-L.
 - 13.2 REMOVE THE WIRES ON THE FOLLOWING POWER TABS AND COVER WITH IN-LINE SPLICE (ITEM #23) PT1-U, PT1-L, PT2-U, PT2-L, PT3-U AND PT4-U.
 - 13.3 DISCONNECT THE MATE "N" LOK CONNECTORS IN H7420 #3 FROM THE FOLLOWING POWER SUPPLIES.
H744 (+5A)
H754 (-15)
 - 13.4 DISCONNECT THE FOLLOWING CONNECTION FROM THE H761 POWER SUPPLY (+15V POWER TO H754) J6-3 AND J4-2. COVER WITH IN-LINE SPLICE (ITEM #23).

COLOR CODE AS FOLLOWS:
BLACK = GND
RED = +5
GREEN = -5
BLUE = -15
ORANGE = +15

KL10 EA, EB, EC, ED, EE, EF, EN, EJ
I/O DC WIRING

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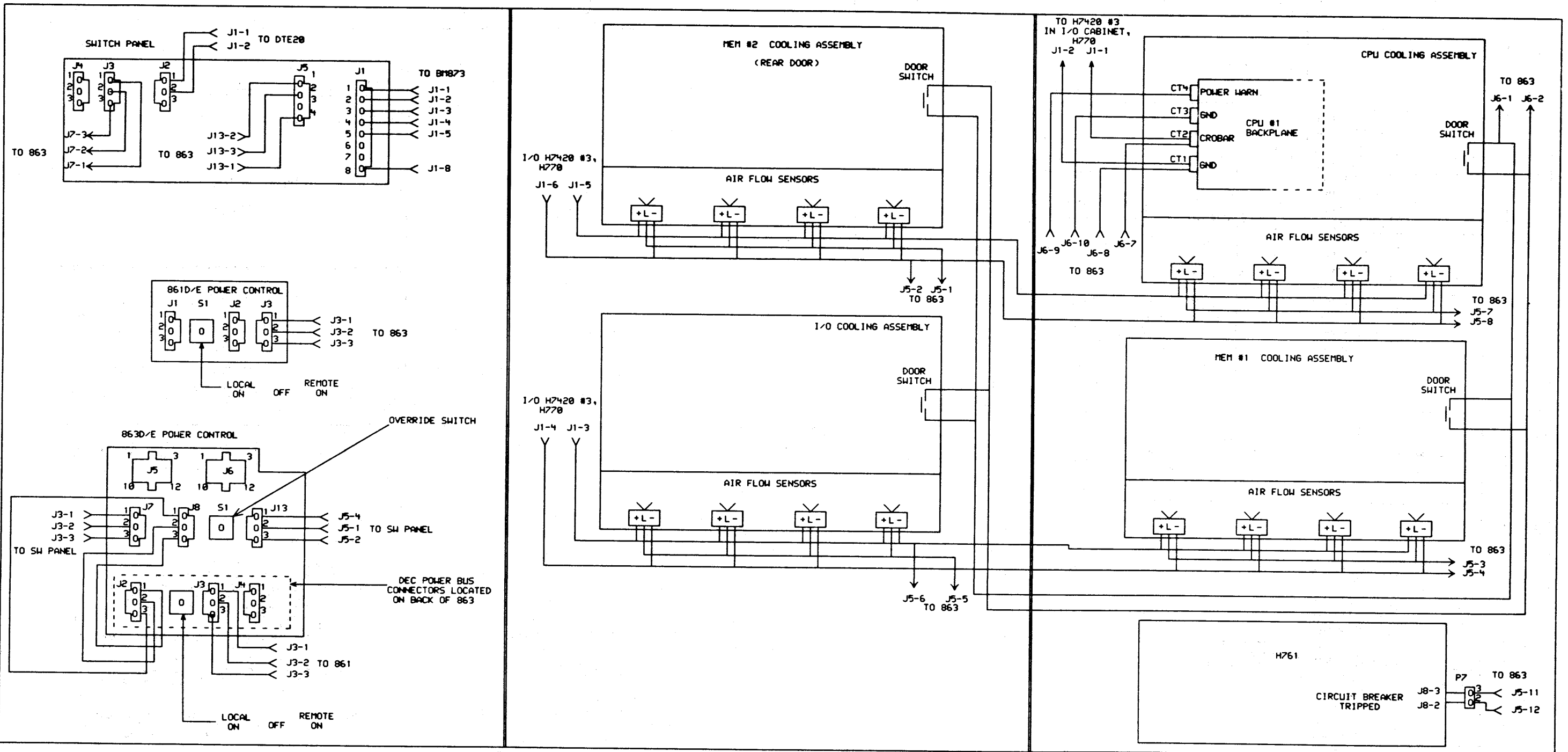
REVISIONS		
CHK	CHANGE NO.	REV

digital	DATE	ENG	DATE	ENG	TITLE:
	10/1/77	10/1/77	10/1/77	10/1/77	ARITHMETIC PROCESSOR
FIRST USED ON OPTION/MODEL: KL10		B-DD-KL10-E		SIZE CODE	NUMBER
				D	UA KL10-E-0
				REV.	U

CONSOLE PROCESSOR CABINET

I/O CABINET

CPU CABINET



NOTES:

1. VIEWED FROM FRONT.
2. FAULT HARNESS IS 7011800-0 & 7011800-1
3. DRAWING NOT TO SCALE.

KL10-EA,EB,EC,ED
FAULT WIRING

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REVISIONS
CHK CHANGE NO. REV

digital
CHK'D.

DATE ENG.
08-FEB-83
DATE BOARD LOCATION:
SHEET 28 OF 39

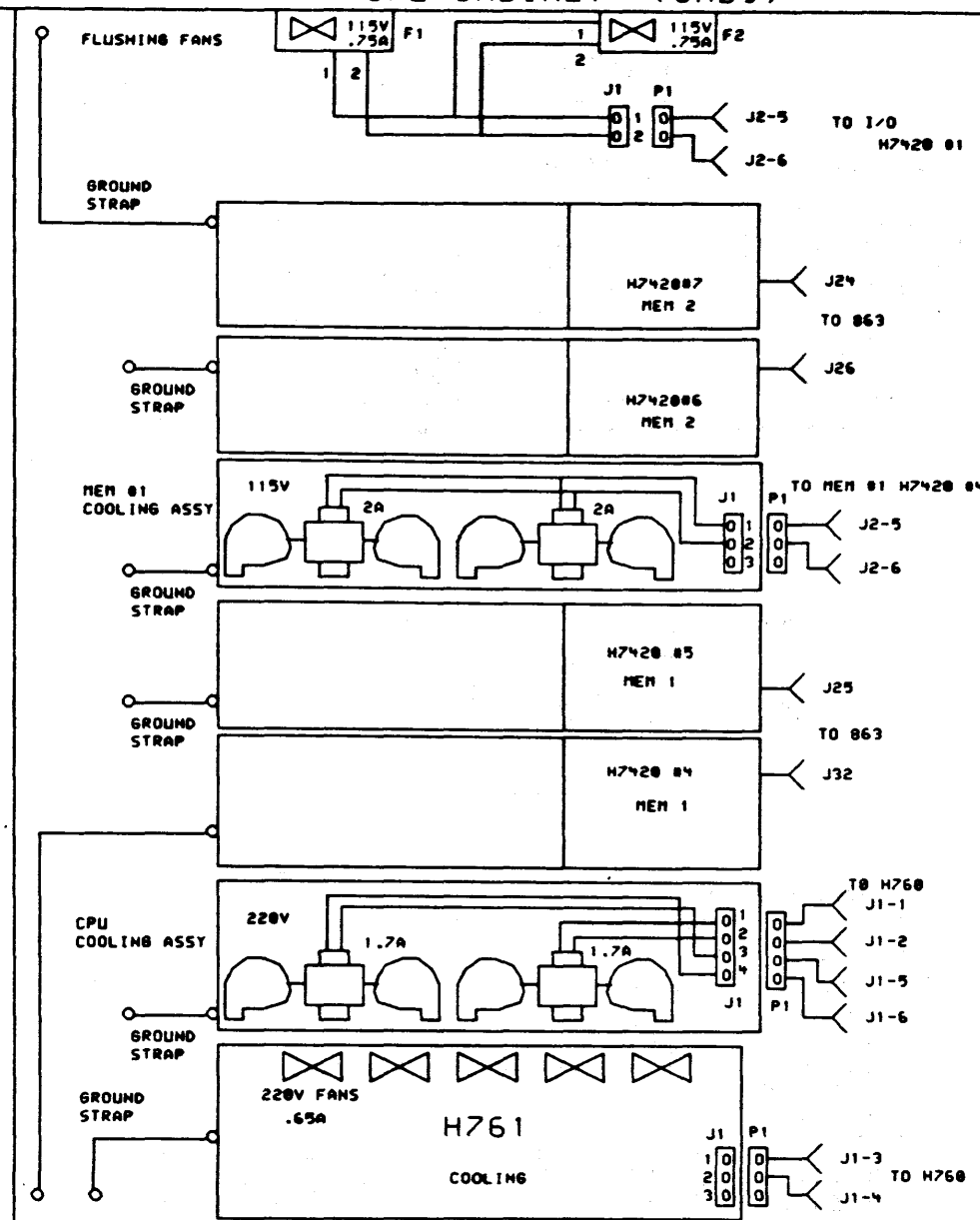
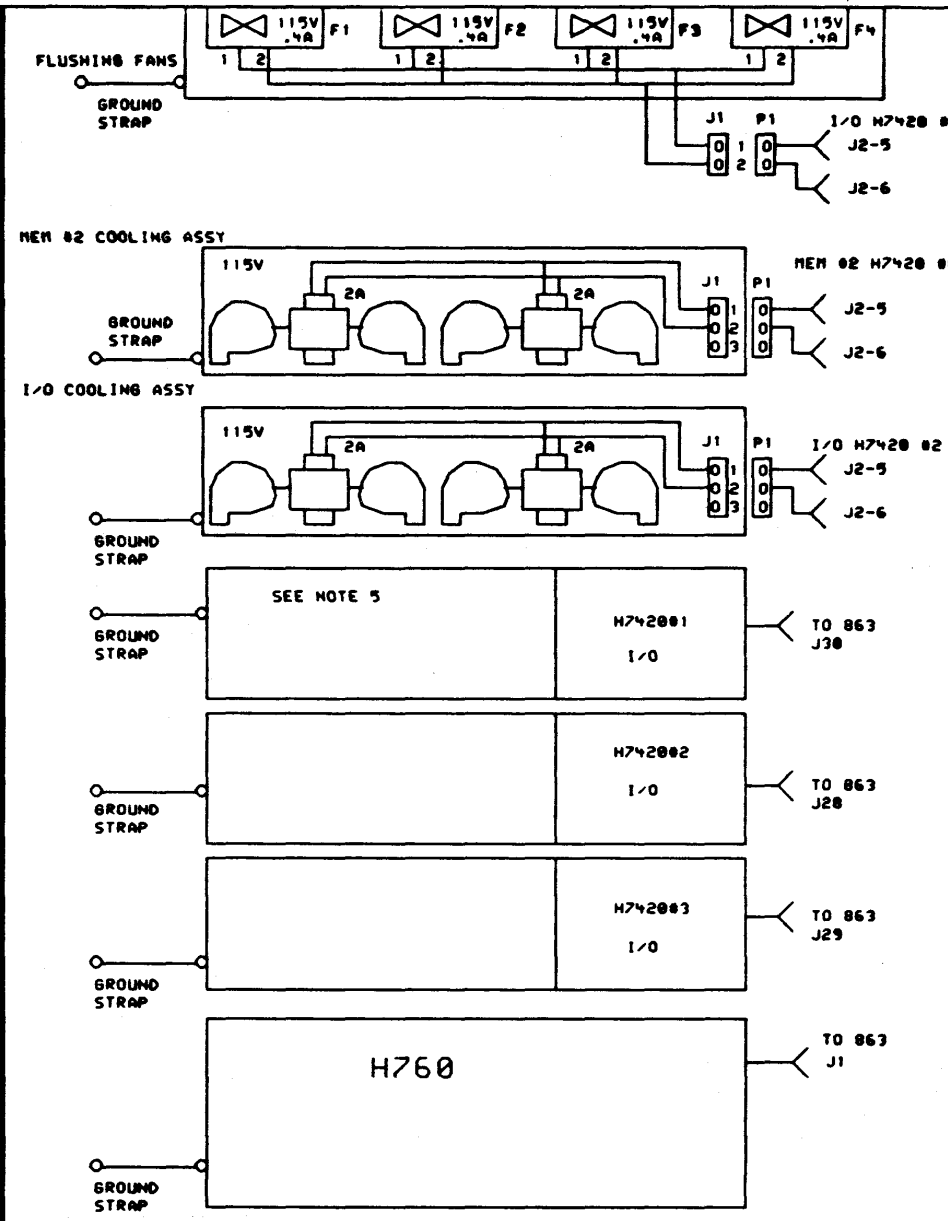
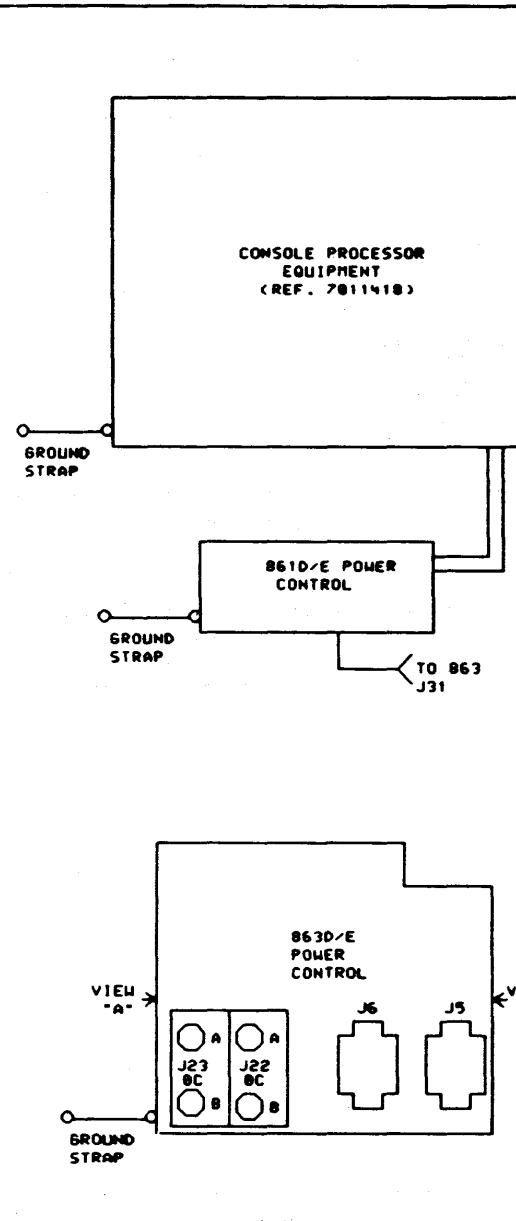
SUBCORN (BOMEN, SCRATCH) 20K110E.DWG 08-FEB-83 07:18 NEXT HIGHER ASSEMBLY:
FIRST USED ON OPTION/MODEL: KL10 B-DD-KL10-E

TITLE: ARITHMETIC
PROCESSOR
SIZE CODE NUMBER REV.
D UA KL10-E-0 U

CONSOLE PROCESSOR CABINET (CAB1)

I/O CABINET (CAB2)

CPU CABINET (CAB3)

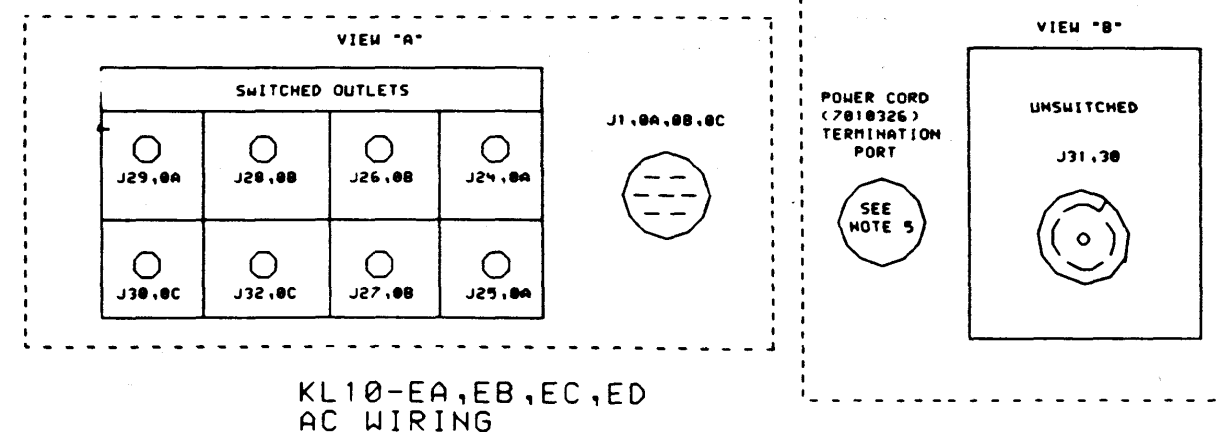


NOTES:

- COOLING FANS TO BE WIRED WITH RED AND WHITE 18 AWG TWISTED PAIR
- BELOW DESCRIBES OUTLETS FOR 863 POWER CONTROL:

OUTLET	CURRENT CAPACITY	PHASE	SW
J1	30A	A,B,C	SW
J31	30A	A,B,C	UN-SW
J24	15A	C	SW
J25	15A	A	SW
J26	15A	B	SW
J27	15A	B	SW
J28	15A	B	SW
J29	15A	A	SW
J30	15A	C	SW
J23, J32	15A	C	SW
- GND STRAPS ARE TO BE USED TO PROVIDE A SOLID GROUND FOR ALL POWER SUPPLIES AND CABINETS
- GROUND ALL POWER SUPPLIES ON CABINET WITH GROUND STRAPS (SEE SHEETS 17 & 18) AND BOTTOM OF CAB DOORS TO BOTTOM OF CABINETS WITH ITEMS 238, 71, 72 & 131
- GROUND ALL THREE CABINETS TOGETHER AS SHOWN ON SHEET 020
- GRILLS (ITEM 05) AND LOGO (ITEM 03) TO BE GROUNDED TO CABINETS WITH ITEMS 238, 71, 72 & 131. FRONT DOORS (ITEM 06, QTY 4) & ITEM 0232, QTY 2) WITH ITEMS 0238, 71, 72 & 131. RIGHT REAR DOOR (ITEM 09, QTY 3) & LEFT REAR DOOR (ITEM 07, QTY 3) WITH ITEMS 0238, 71, 72 & 131. END PANELS (ITEM 08, QTY 2) TO BE GROUNDED TO CABINET WITH ITEMS 0238, 71, 72 & 131.
- FOR 60 HZ OPERATION "A" VERSION POWER SUPPLIES, POWER CONTROLS, FEMALE PUR. CONN. KIT (H874-A) AND 7014407 PUR. CORD ASSY MUST BE USED. FANS TO BE WIRED AS SHOWN ABOVE.
- FOR 50 HZ OPERATION "B" VERSION POWER SUPPLIES, POWER CONTROLS, AND 7014409 POWER CORD ASSEMBLY MUST BE USED. COOLING ASSEMBLIES TO BE WIRED IN THE FOLLOWING FASHION:
 - CPU COOLING ASSEMBLY CONNECT P1-1 TO J1-1 OF H760 P1-2 TO J1-7 OF H760 P1-3 TO J1-2 OF H760 P1-4 TO J1-8 OF H760
 - H761 COOLING, CONNECT P1-1 TO J1-3 OF H760 P1-2 TO J1-9 OF H760
- POWER CORD IS INTERNALLY TERMINATED TO 863 POWER CONTROLLER LINE FILTER (F1). TERMINATE AS FOLLOWS:

POWER CORD TERMINAL	F1
1	A
2	B
3	C
4	GROUND STUD
5	N
- VIEWED FROM FRONT
- DRAWING NOT TO SCALE



KL10-EA,EB,EC,ED
AC WIRING

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REVISIONS
CHK CHANGE NO. REV

digital

DATE ENG. DATE

DATE BOARD LOCATION: SHEET 30 OF 39

DATE BOARD LOCATION: SHEET 30 OF 39

DATE BOARD LOCATION: SHEET 30 OF 39

TITLE: ARITHMETIC PROCESSOR

PS<CLUSTER, TRAIN>30KL10E.DRW 27-JUN-79 14:37 NEXT HIGHER ASSEMBLY: FIRST USED ON OPTION/MODEL: KL10 B-DD-KL10-E

SIZE CODE NUMBER REV. D UA KL10-E-0 U

REV. U
KL10-E-0

B

A

MR

HARNESS CONNECTION CHART			
ITEM NO.	HARNESS TERM	CONNECTION	WITH
25	P2	H761/J2	
	P3	H761/J3	
27		CPU #3/ST11	
30		CPU #3/ST11	
20		CPU #3/ST12	
29		CPU #3/ST10	
31		CPU #3/ST9	
32		CPU #3/ST8	
33		CPU #3/ST6	
34		CPU #3/ST7	
35		CPU #3/ST5	
36		CPU #3/ST4	
38		CPU #3/ST4	
37		CPU #3/ST3	
39		CPU #2/ST2	
40		CPU #2/PT17-U	
41		CPU #2/ST1	
42		CPU #2/PT16-U	
43		CPU #1/ST19	
44		CPU #1/ST18	
45		CPU #1/ST17	
46		CPU #1/ST16	
48		CPU #1/ST16	
47		CPU #1/ST15	
49		CPU #2/ST14	
50		CPU #2/PT15-L	
51		CPU #2/ST13	
52		CPU #2/PT17-L	
258	48	PI-9	DIA/DMA20/PT1-U
	47	PI-7	DIA/DMA20/PT2-U
	46	PII-7	DIA/DMA20/PT3-U
	45	PII-1	DIA/DMA20/PT4-U
	44	P2-9	DTE20/PT9-U
	43	P2-7	DTE20/PT10-U
	42	P3-9	DTE20/PT11-U
	41	P3-7	DTE20/PT12-U
	40	P4-9	DTE20/PT13-U
	39	P4-7	DTE20/PT14-U
	38	P5-9	RH20/PT15-U
	37	P5-7	RH20/PT16-U
	36	P6-9	RH20/PT17
	35	P6-7	RH20/PT18-U
	34	P7-9	RH20/PT19-U
	33	P7-7	RH20/PT20-U
	32	P8-9	RH20/PT21-U
	31	P8-7	RH20/PT22-U
	30	P9-9	RH20/PT23-U
	29	P9-7	RH20/PT24-U
	28	PI2-9	RH20/PT26-U
	27	PI2-11	RH20/PT25-U
	25	PI0-7	CPU 1/PT5-L
	26	PI0-9	CPU 1/PT6-L
	69	PI3-1	J13 #15V, I/O #1 HARNESS
258	70	PI3-2	J13 GND, I/O #1 HARNESS

HARNESS CONNECTION CHART			
ITEM NO.	HARNESS TERM	CONNECTION	WITH
101	63	RH20/PT25-U	
	64	RH20/PT25-U	
	65	RH20/PT24-U	
	66	RH20/PT23-U	
	67	RH20/PT22-U	
	68	RH20/PT21-U	
	69	RH20/PT20-U	
	70	RH20/PT19-U	
	71	RH20/PT18-U	
	72	RH20/PT17-U	
	73	RH20/PT16-U	
	74	RH20/PT15-U	
	75	DTE20/PT14-U	
	76	DTE20/PT13-U	
	77	DTE20/PT12-U	
	78	DTE20/PT11-U	
	79	DTE20/PT10-U	
	80	DTE20/PT9-U	
	81	#1 DMA20/PT8-U	
	82	#1 DMA20/PT8-U	
	83	#1 DMA20/PT7-U	
	84	#1 DMA20/PT7-U	
	85	#1 DMA20/PT6-U	
	86	#1 DMA20/PT6-U	
	87	#1 DMA20/PT5-U	
	88	#1 DMA20/PT5-U	
	89	#2 DMA20/PT4-U	
	90	#2 DMA20/PT3-U	
	91	#2 DMA20/PT2-U	
	92	#2 DMA20/PT1-U	
	93	#2 DMA20/PT1-L	
	94	#2 DMA20/PT2-L	
	95	#1 DMA20/PT6-L	
	96	#1 DMA20/PT6-L	
		PI	H7420 #1/H744(-5K) J1
		P2	H7420 #1/H744(-5J) J1
		P3	H7420 #1/H744(-5H) J1
		P4	H7420 #1/H744(-5F) J1
		P5	H7420 #2/H744(-5E) J1
		P6	H7420 #2/H744(-5D) J1
		P7	H7420 #2/H744(-5L) J1
		P8	H7420 #2/H744(-5C) J1
		P9	H7420 #3/H744(-5) J1
		PI0	H7420 #3/H744(-5B) J1
		PI1	H7420 #3/H744(-5A) J1
		PI2	H7420 #3/H745(-15) J1
		PI3	H7420 #3/H770(-15) J1
	49		PI3 PIN 4, I/O SHORT HARNESS
181	50		PI3 PIN 3, I/O SHORT HARNESS
258	71	J13 PIN 3	PI3 PIN 3 OF ITEM #181
258	72	J13 PIN 4	PI3 PIN 4 OF ITEM #181

HARNESS CONNECTION CHART			
ITEM NO.	HARNESS TERM	CONNECTION	WITH
101	97	#1 DMA20/PT5-L	
	98	#1 DMA20/PT5-L	
	99	#1 DMA20/PT8-L	
	100	#1 DMA20/PT8-L	
	101	#1 DMA20/PT7-L	
	102	#1 DMA20/PT7-L	
	103	DTE20/PT10-L	
	104	DTE20/PT9-L	
	105	DTE20/PT11-L	
	106	DTE20/PT12-L	
	107	DTE20/PT13-L	
	108	DTE20/PT14-L	
	109	RH20/PT15-L	
	110	RH20/PT16-L	
	111	RH20/PT17-L	
	112	RH20/PT18-L	
	113	RH20/PT19-L	
	114	RH20/PT20-L	
	115	RH20/PT21-L	
	116	RH20/PT22-L	
	117	RH20/PT23-L	
	118	RH20/PT24-L	
	119	RH20/PT25-L	
101	120	RH20/PT26-L	
102	129	CPU VME SWITCH J1-2	(ITEM #130)
	130	SEE NOTE 26	
	61	#3 H761 J4-2	
	62	#3 H761 J6-3	
	131	CPU #1/PT6-L	
	132	CPU #1/PT5-L	
	133	CPU #1/CT1	
	134	CPU #1/CT2	
	135	CPU #1/PT5-U	
102	136	CPU #1/PT6-U	

NOTES:
#1 JUMPER WHEN DMA/DIA IS NOT USED SEE NOTE 13.1 ON SHEET 27
#2 SEE NOTE 13.2 ON SHEET 27
#3 SEE NOTE 13.4 ON SHEET 27

HARNESS CONNECTION CHART

ITEM NO.	HARNESS TERM		CONNECTION	WITH
	POINT	CONNECTION		
24	1		H761/TB4 (-2D,GND)	
	2		H761/TB4 (-2D)	
	3		H761/TB4 (-2C,GND)	
	4		H761/TB4 (-2C)	
	5		H761/TB4 (-2B,GND)	
	6		H761/TB4 (-2B)	
	7		H761/TB4 (-.2A)	
	8		H761/TB4 (-2,GND)	
	9		H761/TB2 (-5,2E)	
	10		H761/TB2 (-5,2E,GND)	
	11		H761/TB3 (-5,2F)	
	12		H761/TB3 (-5,2F,GND)	
	13		H761/TB3 (-5,2H)	
	14		H761/TB3 (-5,2H,GND)	
	15		H761/TB3 (-5,2J)	
	16		H761/TB3 (-5,2J,GND)	
	17		H761/TB2 (-5,2A,GND)	
	18		H761/TB2 (-5,2A)	
	19		H761/TB2 (-5,23)	
	20		H761/TB2 (-5,2B,GND)	
	21		H761/TB2 (-5,2C)	
	22		H761/TB2 (-5,2C,GND)	
	23		H761/TB2 (-5,2D)	
	24		H761/TB2 (-5,2D,GND)	
	25		H761/TB1 (-5,2<)	
	26		H761/TB1 (-5,2<,GND)	
	60		CPU #1/PT1-U	
	59		CPU #1/PT2-U	
	58		CPU #1/PT3-U	
	57		CPU #1/PT4-U	
	56		CPU #1/PT7-U	
	55		CPU #1/PT8-U	
	54		CPU #1/PT9-U	
	52		CPU #1/PT9-U	
	53		CPU #1/PT10-U	
	51		CPU #1/PT10-U	
	50		CPU #2/PT11-U	
	49		CPU #2/PT12-U	
	48		CPU #2/PT13-U	
	47		CPU #2/PT14-U	
	46		CPU #2/PT15-U	
	45		CPU #2/PT16-U	
	44		CPU #2/PT17-U	
	43		CPU #2/PT18-U	
	42		CPU #2/PT19-U	
	40		CPU #2/PT19-U	
	41		CPU #2/PT20-U	
	39		CPU #2/PT20-U	
	38		CPU #3/PT21-U	
	37		CPU #3/PT22-U	
	36		CPU #3/PT23-U	
	35		CPU #3/PT24-U	
	34		CPU #3/PT25-U	
	33		CPU #3/PT26-U	
24	32		CPU #3/PT2'-U	

HARNESS CONNECTION CHART

ITEM NO.	HARNESS TERM		CONNECTION	WITH
	POINT	CONNECTION		
23	31		CPU #3/PT28-U	
	30		CPU #3/PT29-U	
	29		CPU #3/PT30-U	
	28		CPU #3/PT31-U	
24	27		CPU #3/PT32-U	
25	1		H761/TB1 (-2D, GND)	
	2		H761/TB4 (-2D)	
	3		H761/TB4 (-2C, GND)	
	4		H761/TB4 (-2C)	
	5		H761/TB4 (-2B, GND)	
	6		H761/TB4 (-2B)	
	7		H761/TB4 (-2A)	
	8		H761/TB4 (-2A, GND)	
	9		H761/TB2 (-5, 2E)	
	10		H761/TB2 (-5, 2E GND)	
	11		H761/TB3 (-5, 2F)	
	12		H761/TB3 (-5, 2F, GND)	
	13		H761/TB3 (-5, 2H)	
	14		H761/TB3 (-5, 2H, GND)	
	15		H761/TB3 (-5, 2J)	
	16		H761/TB3 (-5, 2J, GND)	
	17		H761/TB2 (-5, 2A GND)	
	18		H761/TB2 (-5, 2A)	
	19		H761/TB2 (-5, 2B)	
	20		H761/TB2 (-5, 2B, GND)	
	21		H761/TB2 (-5, 2C)	
	22		H761/TB2 (-5, 2C, GND)	
	23		H761/TB2 (-5, 2D)	
	24		H761/TB2 (-5, 2D, GND)	
	25		H761/TB1 (-5, 2K)	
	26		H761/TB32(-5, 2K, GND)	
	60		CPU #3/PT32-L	
	59		CPU #3/PT31-L	
	58		CPU #3/PT30-L	
	57		CPU #3/PT29-L	
	56		CPU #3/PT28-L	
	55		CPU #3/PT27-L	
	54		CPU #3/PT26-L	
	53		CPU #3/PT25-L	
	52		CPU #3/PT24-L	
	51		CPU #3/PT23-L	
	50		CPU #3/PT22-L	
	49		CPU #3/PT21-L	
	48		CPU #3/PT20-L	
	46		CPU #3/PT20-L	
	47		CPU #2/PT19-L	
	45		CPU #2/PT19-L	
	44		CPU #2/PT18-L	
	43		CPU #2/PT17-L	
	42		CPU #2/PT16-L	
	41		CPU #2/PT15-L	
	40		CPU #2/PT14-L	
	39		CPU #2/PT13-L	
	38		CPU #2/PT12-L	
25	37		CPU #2/PT11-L	

HARNESS CONNECTION CHART

ITEM NO.	HARNES TERM		CONNECTION	WITH
	POINT	CONNECTION		
25	36		CPU 01/PT10-L	
	34		CPU 01/PT10-L	
	35		CPU 01/PT9-L	
	33		CPU 01/PT9-L	
	32		CPU 01/PT0-L	
	31		CPU 01/PT7-L	
	30		CPU 01/PT4-L	
	29		CPU 01/PT3-L	
	28		CPU 01/PT2-L	
25	27		CPU 01/PT1-L	
257	1	P9-II	MB20 #1/PT10A-U	
	2	P7-II	MB20 #1/PT7A-U	
	3	P2-II	MB20 #1/PT16A-L	
	4	P2-9	MB20 #1/PT15A-L	
	5,6	P8-7, P7-9	MB20 #1/PT9A-L	
	7	P8-3	MB20 #1/PT8A-L	
	8,9	P10-7, P9-9	MB20 #1/PT12A-L	
	10	P10-3	MB20 #1/PT11A-L	
	11	P1-II	MB20 #1/PT3A-L	
	12	P1-9	MB20 #1/PT2A-L	
	13,14	P6-7, P5-9	MB20 #1/PT6A-L	
	15	P6-3	MB20 #1/PT5A-L	
	16	P5-II	MB20 #1/PT4A-U	
	17	P13-II	MB20 #2/PT7B-U	
	18	P15-II	MB20 #2/PT10B-U	
	19	P4-II	MB20 #2/PT16B-L	
	20	P4-9	MB20 #2/PT15B-L	
	21,22	P14-7 P13-9	MB20 #2/PT9B-L	
	23	P14-3	MB20 #2/PT8B-L	
	24,25	P16-7 P15-9	MB20 #2/PT12B-L	
	26	P16-3	MB20 #2/PT11B-L	
	27	P3-II	MB20 #2/PT3B-L	
	28	P3-9	MB20 #2/PT2B-L	
	29,30	P12-7, P11-9	MB20 #2/PT6B-L	
	31	P12-3	MB20 #2/PT5B-L	
257	32	P11-II	MB20 #2/PT4B-U	

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REVISIONS		
CHK	CHANGE NO.	REV

digital

CHK'D

[illegible]

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1000

DATE 12 APR 1964

27

E:

A

WRITE
PROC

HME
FSCTIC
500

ARITHMETIC PROCESSOR

FIRST USED ON OPTION MODEL: KL10

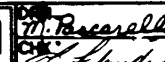
NEXT HIGHER ASSEMBLY
B-DD-KL10-E

SIZE	CODE	NUM
D	UA	KI 1A-E-A

REV.

Δ WHEN POINT TO POINT WIRING IS COMPLETE CONNECT H760/P1 TO H760/J1
 * KL10-EA,EB,EC,ED,ONLY
 ** KL10-EE,EF,EH,EJ, ONLY

REVISIONS		
CHK	CHANGE NO.	REV

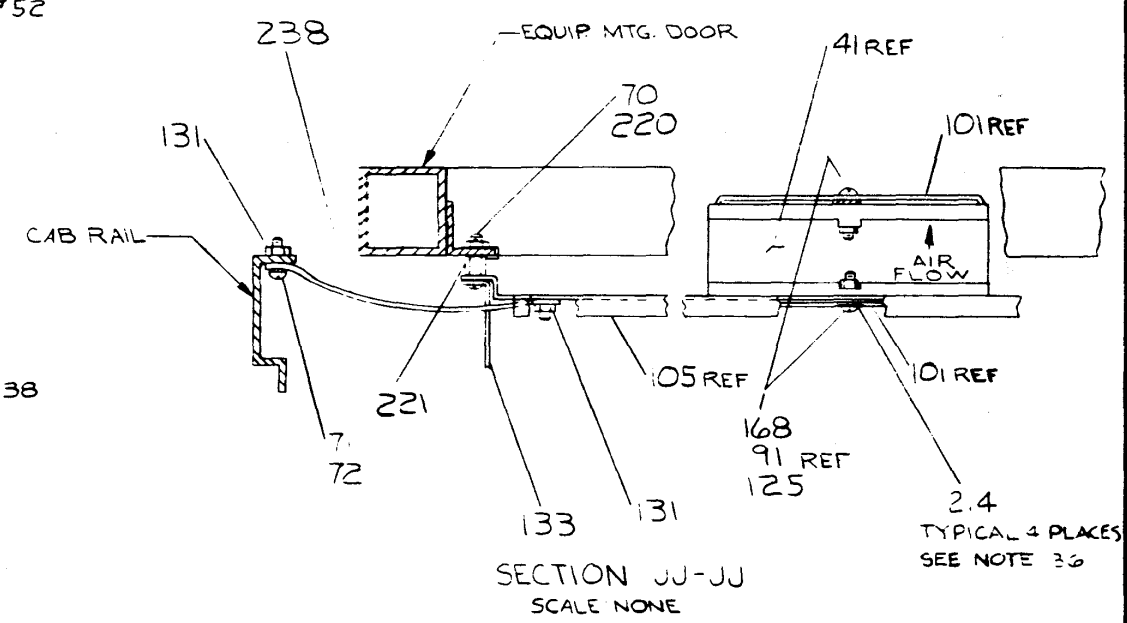
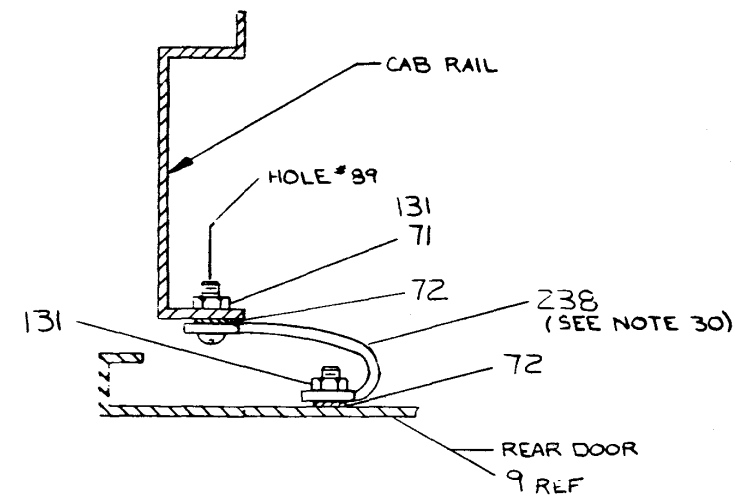
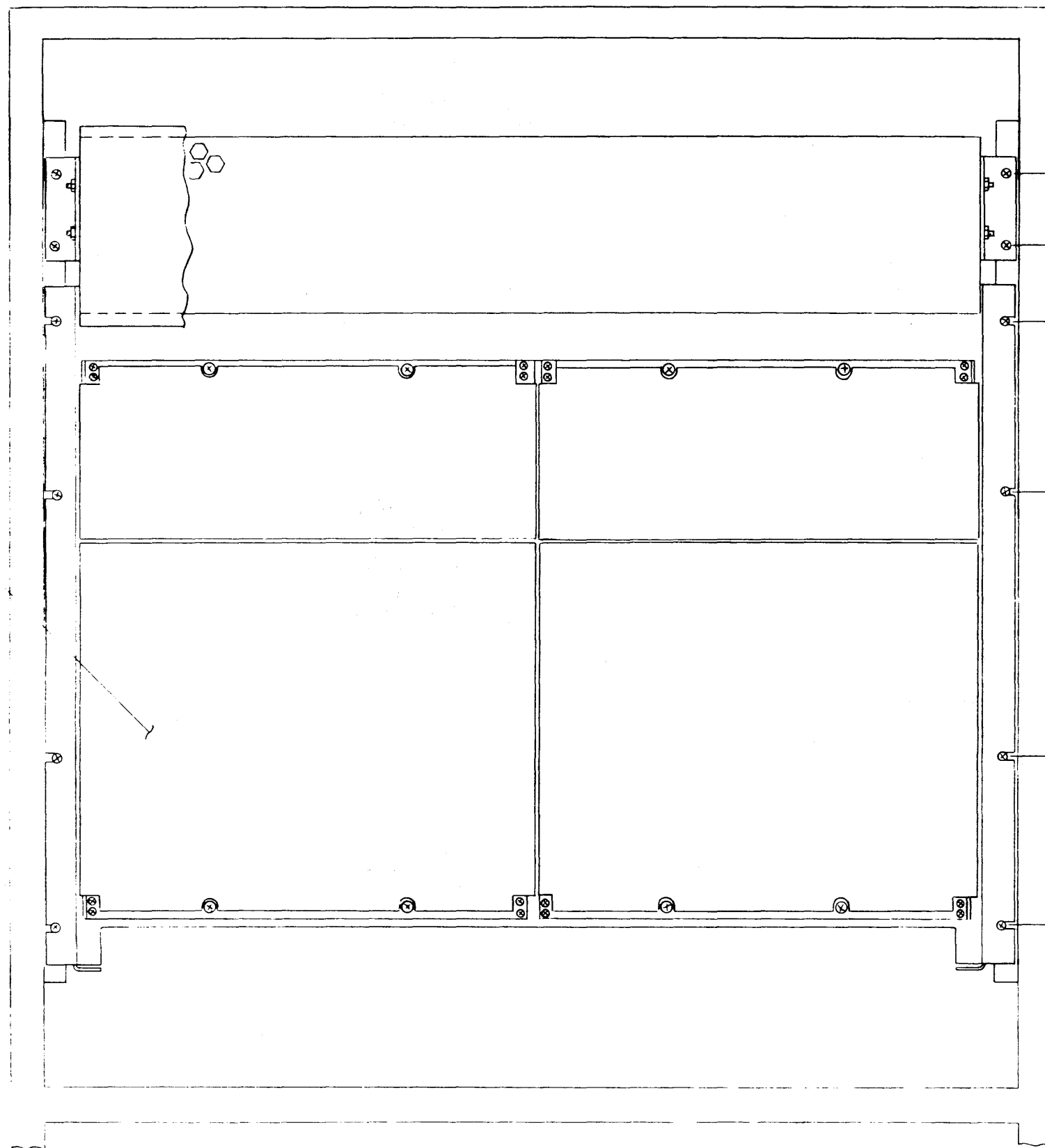


DATE	END	DATE
6 JAN 77	XB Mc Elroy	12 APR
DATE	MOORE LOCATIONS	
2 JAN 77	SHEET	13 OF 34
NEXT HIGHER ASSEMBLY:		
B-DD-KL10-E		

27	TITLE: ARITHMETIC PROCESSOR			
	SIZE	CODE	NUMBER	REV
	D	UA	KL10-E-0	U

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REAR VIEW I/O CAB
SCALE: 1/2
(FOR KLIØ-EA, EB, EC & ED VARIATIONS ONLY)



REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE	NUMBER	REV.
ARITHMETIC PROCESSOR		DUA	KLIØ-E-Ø	U
SCALE	SHEET 36 OF 39	DIST.		

CABLE CONNECTION CHART

ITEM NO.	FROM		TO		REMARKS
	UNIT	LOCATION	UNIT	LOCATION	
42	11/48/RH11-AB	CD04	CABLE CONVERSION PLATE ASSY (ITEM #22)	SLOT A	
42	11/48/RH11-AB	CD05	CABLE CONVERSION PLATE ASSY (ITEM #22)	SLOT B	
42	11/48/RH11-AB	CD06	CABLE CONVERSION PLATE ASSY (ITEM #22)	SLOT C	
43	11/48/DD11-B	AB04	RHE0/DTE20 LOGIC ASSY (ITEM # 20)	HJ05	
43	PERPH/DB11-A	AB01	RHE0/DTE20 LOGIC ASSY (ITEM # 20)	HJ06	
44	CPU LOGIC ASSY (ITEM #21)	AB01	RHE0 DTE20 LOGIC ASSY (ITEM #20)	AB??	
45	CPU LOGIC ASSY (ITEM #21)	CD01	RHE0 DTE20 LOGIC ASSY (ITEM #20)	CD??	
45	CPU LOGIC ASSY (ITEM #21)	EF01	RHE0 DTE20 LOGIC ASSY (ITEM #20)	EF??	CONN ASSY INTERNAL BUS H920 (REF ONLY)
REF	RHE0 DTE20 LOGIC ASSY (ITEM #20)	AB01	DMA20 LOGIC ASSY (ITEM # 22)	AB16	
REF	RHE0 DTE20 LOGIC ASSY (ITEM # 20)	CD01	DMA20 LOGIC ASSY (ITEM # 22)	CD16	
REF	CPU LOGIC ASSY (ITEM #21)	AB02	DM-20 LOGIC ASSY (ITEM # 22)	AB01	
REF	CPU LOGIC ASSY (ITEM #21)	CD02	DMA20 LOGIC ASSY (ITEM # 22)	CD02	
157	863	J8	863	J2	CONN ASSY SERIAL BC20C-6C (REF ONLY)
149	863	J3	861	J3	
47	CABLE CONVERSION PLATE ASSY (ITEM #22)	J1	11/48	CONN (7000360)	
32 OR 34	H7420 #1	—	863	J30	
	H7420 #2	—	863	J28	
	H7420 #3	—	863	J29	FOR KL10- EA, EB, EC, & ED VARIATIONS ONLY
32 OR 34 31 OR 33	H7420 #4	—	863	J32	
32 OR 34 31 OR 33	H7420 #5	—	863	J25	
82	H760	—	863	J1	CONN ASSY SERIAL BC20C-6C (REF ONLY)
—	REMOTE TURN-ON ASSY (ITEM #169)	—	863	J20	
32 OR 34 31 OR 33	H7131 *1	—	863	J26	FOR KL10- EE, EF, EH, & EJ VARIATIONS ONLY
250	ASSY, THERMAL SWITCH (ITEM 250)	—	HARNESS, FAULT INDICATOR (ITEM 27)	J5	

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REVISIONS		
CHK	CHANGE NO.	REV

digital

FIRST USED ON OPTION MODEL: KL10

DATE: 12-18-77
BY: J.B. Hulse
DATE: 12-18-77
BY: J.B. Hulse
NEXT HYBRID ASSEMBLY: B-DD-KL10-E

TITLE: ARITHMETIC PROCESSOR
SIZE: D
CODE: UA
NUMBER: KL10-E-0
REV: U

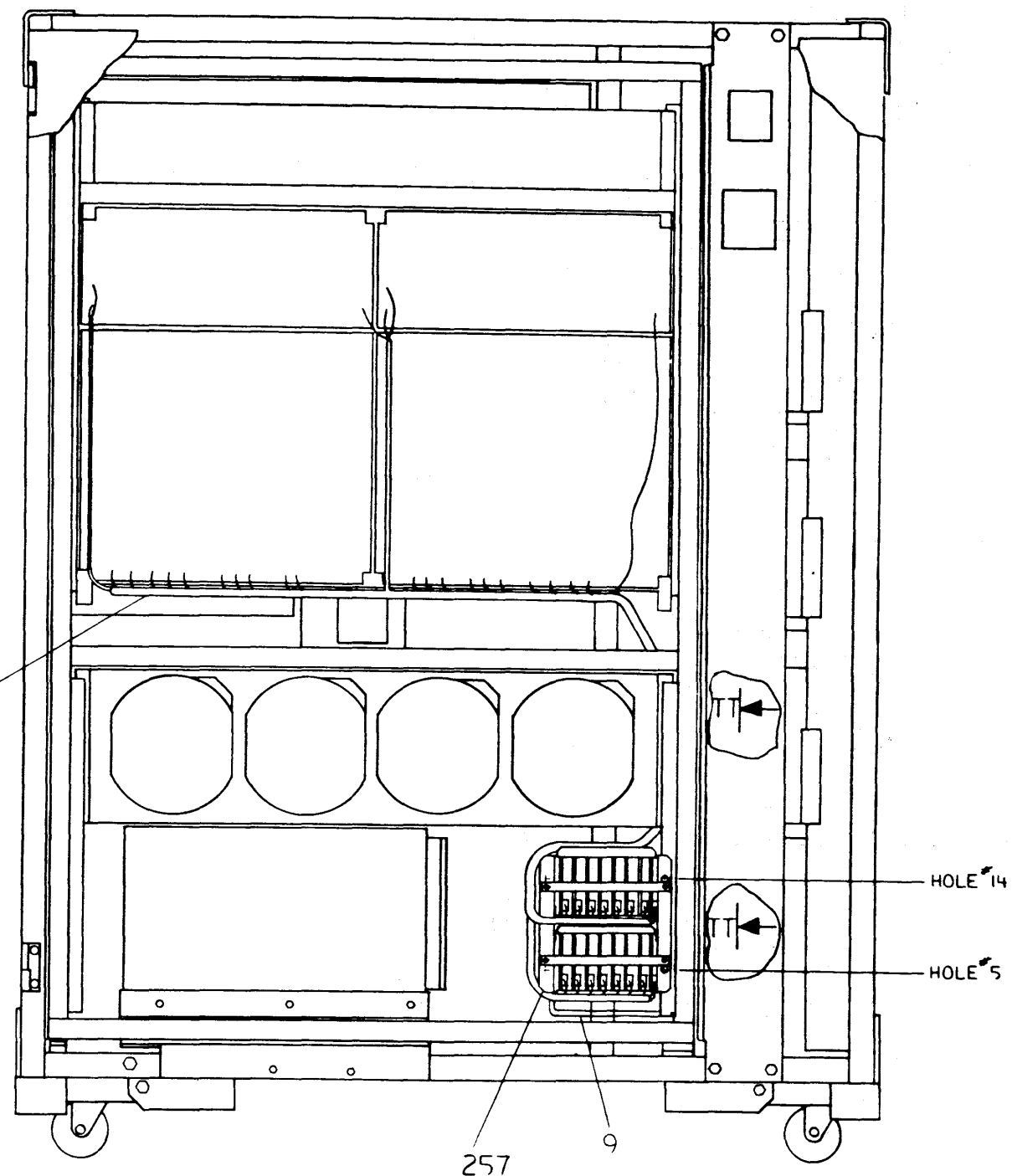
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1981 DIGITAL EQUIPMENT CORPORATION

EQUIP MTG DOOR

TIE WRAPS (PART OF ITEM 257)
USE FAN MTG HARDWARE

SEE HARNESS CONNECTION CHART

VIEW TT-TT
SCALE NONE



I/O CAB-REAR VIEW

REVISION HISTORY		
DATE	ECO NUMBER	REV

TITLE
ARITHMETIC PROCESSOR

DOCUMENT NUMBER		
SIZE CODE	NUMBER	REV
DUA	KL10-E-0	U
SCALE		SHEET 38 OF 39

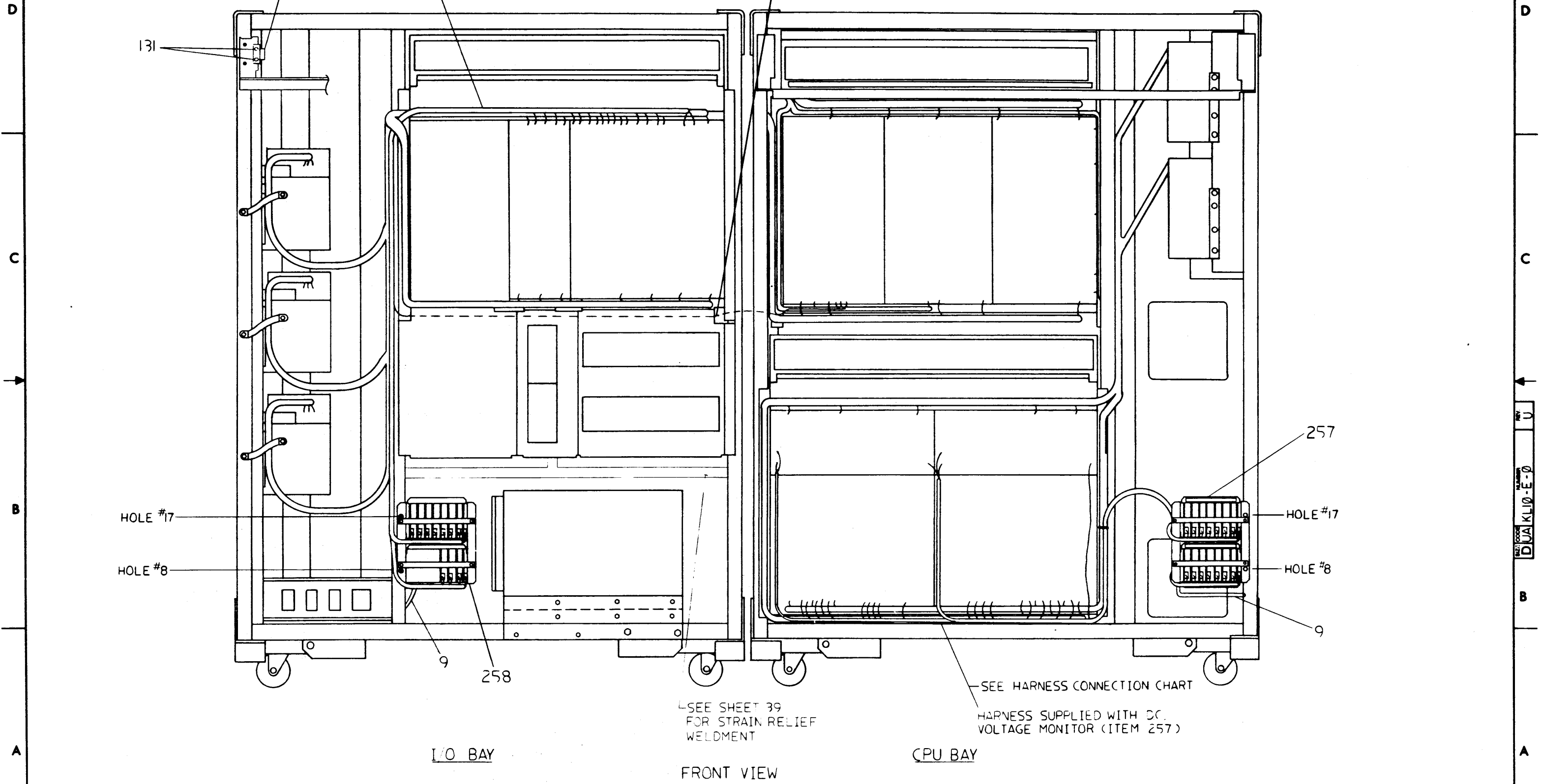
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U
0-3-017X
DUA KL10-E-0

HARNESS SUPPLIED WITH DC.
VOLTAGE MONITOR (ITEM 258)

SEE HARNESS CONNECTION CHART

SEE INSTALLATION PROCEDURE
A/D-SP-7018288-0-1



REVISION HISTORY		
DATE	ECO NUMBER	REV.

DDI 137A

TITLE
ARITHMETIC PROCESSOR

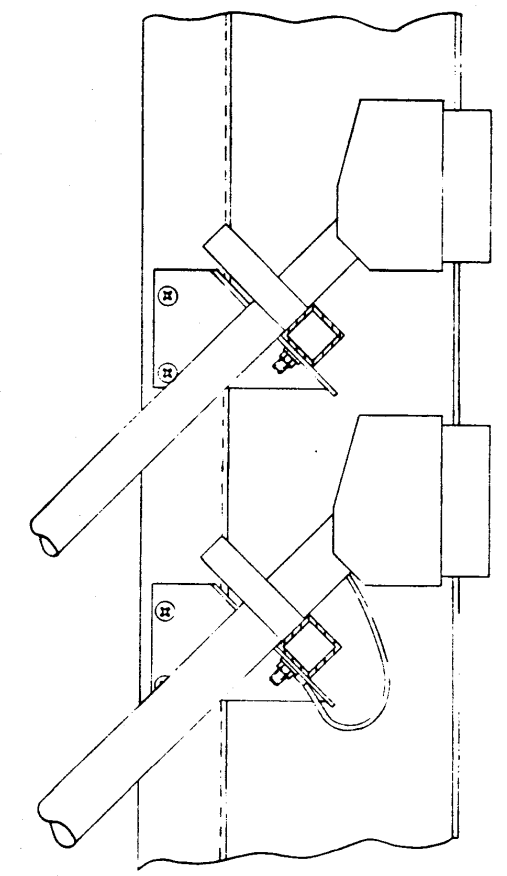
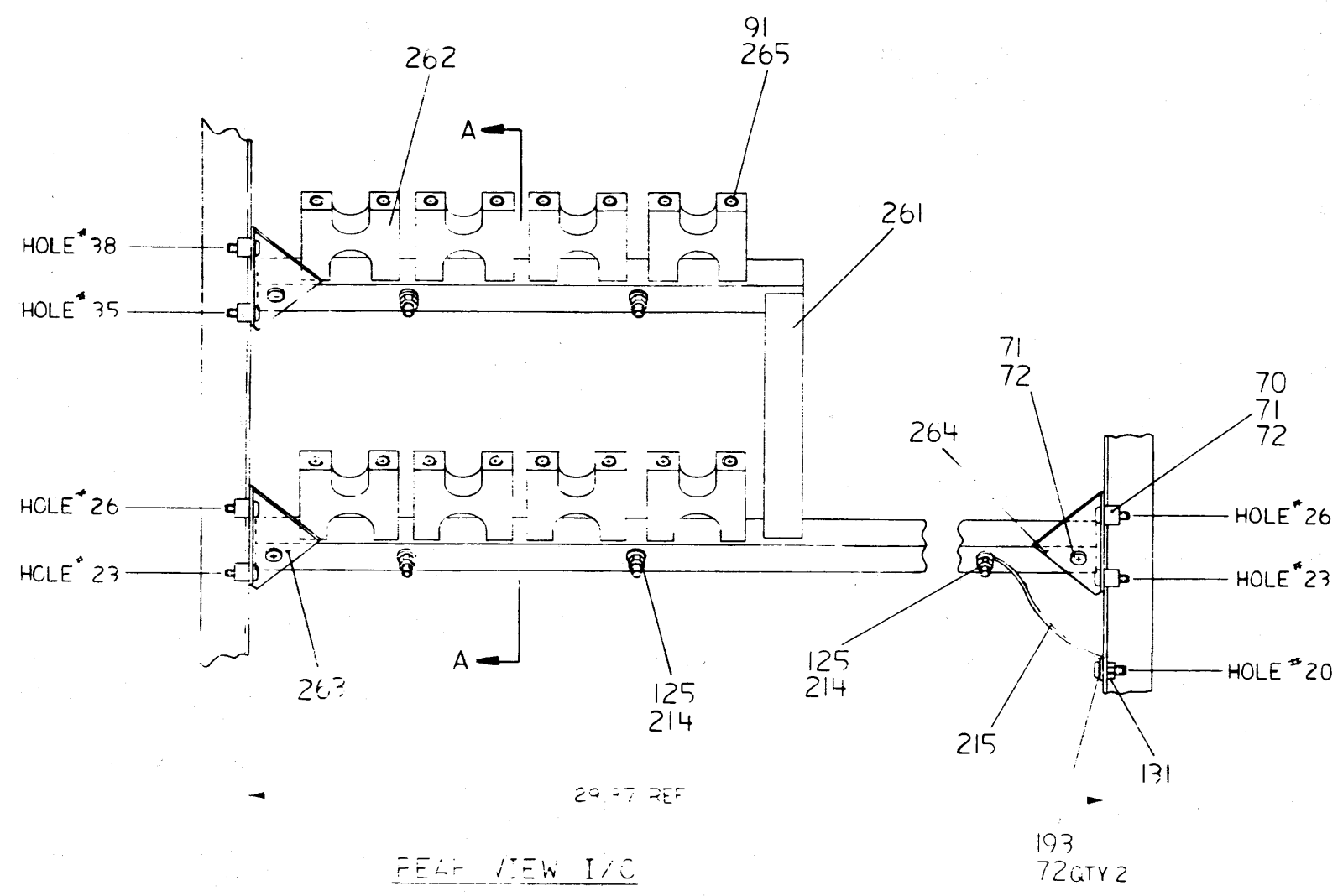
DOCUMENT NUMBER		REV
SIZE CODE	NUMBER	
DUA KL10-E-0		U
SCALE	SHEET 37 OF 39	

1 MRL

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION															
					EA	EB	EC	ED	EE	EF	EH	EJ	EK	EL	EM	EN				
1	1	E-AD-7011293-0-0	7011293-02	CABINET	1	1	1	1	1	1	1	1	1	1	1	1				
2	2	E-AD-7011293-0-0	7011293-03	CABINET	1	1	1	1	1	1	1	1	1	1	1	1				
3	3	D-IA-7415202-0-0	7415202-00	LOGO PANEL	1	1	-	-	1	1	-	-	1	1	-	-				
4	4	A-PL-KL10-E-SH		KL10-E (SHIP LIST)	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF				
5	5	D-MD-7414725-0-0	7414725-00	PANEL GRILLE	2	2	-	-	2	2	-	-	2	2	-	-				
6	6	E-IA-7011580-0-0	7011580-00	WELDMENT	4	4	4	4	4	4	4	4	4	4	4	4				
7	7	E-IA-7011552-0-0	7011552-02	COVER TOP (TERRACOTTA)	3	3	-	-	3	3	-	-	3	3	-	-				
8	8	E-IA-7011509-0-0	7011509-00	END PANEL ASSY HIBOV	2	2	2	2	2	2	2	2	2	2	2	2				
9	9	E-IA-7012023-0-0	7012023-00	REAR DOOR LEFT	3	3	3	3	3	3	3	3	3	3	3	3				
10	10	E-AD-7011639-0-0	7011639-00	ASSY SWITCH PANEL [2040]	1	1	1	1	1	1	1	1	1	1	1	1				
11	11	E-AD-7011418-0-0	7011418-01	2010 CONSOLE PROCESSOR	1	-	1	-	1	-	1	-	1	-	1	-				
12	12	E-AD-7011418-0-0	7011418-02	2010 CONSOLE PROCESSOR	-	1	-	1	-	1	-	1	-	1	-	1				
13	13	E-UA-H760-C-0	OH760-C	RAW POWER SUPPLY 60HZ	1	-	1	-	1	-	1	-	1	-	1	-				
14	14	E-UA-H760-D-0	OH760-D	RAW POWER SUPPLY 50HZ	-	1	-	1	-	1	-	1	-	1	-	1				
15	15	E-UA-H761-0-0	OH761-00	REG KL10 SUPPLY	1	1	1	1	1	1	1	1	1	1	1	1				
16	16	E-UA-H7420-A-0	H7420-A	POW SUPPLY HI POW H742-A 115V	3	-	3	-	3	-	3	-	3	-	3	-				
17	17	E-UA-H7420-B-0	H7420-B	POW SUPPLY HI POW H742-B 230V	3	3	-	3	-	3	-	3	-	3	-	3				
18	18	E-UA-H744-0-0	OH744-00	POWER REGULATOR	11	11	11	11	11	11	11	11	11	11	11	11				
19	19	E-UA-H770-0-0	OH770-00	+15V 10A REGULATOR FOR H742	1	1	1	1	1	1	1	1	1	1	1	1				
20	20	E-AD-7012278-0-0	7012278-00	RH20/DTE20 LOGIC ASSY	1	1	1	1	1	1	1	1	1	1	1	1				
21	21	E-UA-KL10-PV-0	OKL10-PV	EXTENDED ADDRESSING KL10-PA	1	1	1	1	1	1	1	1	1	1	1	1				
22	22	E-IA-7010700-0-0	7010700-00	LOGIC I/O ADAPTERS	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF				
23	23		9009110-00	TERM,TAB .365TAB 2POS	16	16	16	16	16	16	16	16	16	16	16	16				
24	24	J-IA-7009419-0-0	7009419-00	HARNESS DC (70-9418) KL10	1	1	1	1	1	1	1	1	1	1	1	1				
25	25	J-IA-7010855-0-0	7010855-00	HARNESS DC CPU KL10	1	1	1	1	1	1	1	1	1	1	1	1				
26	26	J-IA-7009427-0-0	7009427-00	HARNESS SENSE (70-9418) KL10	1	1	1	1	1	1	1	1	1	1	1	1				
27	27	J-IA-7011808-0-0	7011808-00	HARNESS FAULT INDICATOR	1	1	1	1	1	1	1	1	1	1	1	1				
28	28	J-IA-7011808-0-0	7011808-01	HARNESS, FAULT INDICATOR	1	1	1	1	1	1	1	1	1	1	1	1				
29	29	D-IA-7010877-0-0	7010877-00	HARNESS AC WIRING NO. 3	2	2	2	2	2	2	2	2	2	2	2	2				
30	30	D-IA-7010805-0-0	7010805-00	A/C WIRING HARNESS ASSY 1	1	1	1	1	1	1	1	1	1	1	1	1				

REVISION HISTORY			BASIC PART NO: OKL10		DRN: M. PASCARELLI		DATE: 22-DEC-76		DIGITAL				
ENG	ECO NUMBER	REV	SECTION A OF A						TITLE PARTS LIST				
JT	KL10-E-MR015	IN	SECTION. VARIATION INDEX		CHK'D: G. FLANDRES		DATE: 12-APR-77		ARITHMETIC PROCESSOR				
BW	KL10-E-MR016	IP	[A] EA,EB,EC,ED,EE,EF,										
JT	KL10-E-MR017	IR	EH,EJ,EK,EL,EM,EN										
JT	KL10E-MR019	IS	[B]		DES.ENG.: J.B. MCCELROY		DATE: 12-APR-77						
BW	KL10E-MR020	IT											
JC	KL10-E-MR021	IU	[C]		RESP.ENG.: J.D. ALLEN		DATE: 12-APR-77		DOCUMENT NUMBER				
			[D]						SIZE		CODE	NUMBER	REV
			[E]		MFG.ENG.: MATHEW NOLAND		DATE: 12-APR-77		K	PL	KL10-E-DBP	0	
			[F]		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #		
					1D-UA-KL10-E-0		1#B-DD-KL10-E		224570.PLS		25		
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VIEW A-A

REVISION HISTORY		
DATE	ECO NUMBER	REV

DOCUMENT NUMBER		
SIZE CODE	NUMBER	REV
D	KL10-E-0	U
SCALE 1:1		SHEET 39 OF 40

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION													
					EA	EB	EC	ED	EE	EF	EH	EJ	EK	EL	EM	EN		
79	79	C-IA-7414428-0-0	7414428-00	DOOR PIVOT TJP	3	3	3	3	3	3	3	3	3	3	3	3		
80	80		1211747-00	FAN,TUBE AXIAL 7.0" 350CFM 115V	2	2	2	2	2	2	2	2	2	2	2	2		
81	81	C-IA-7414615-0-0	7414615-00	MOUNTING PLATE, CAPACITOR BOX	3	3	3	3	3	3	3	3	3	3	3	3		
82	82	D-IA-7011920-0-0	7011920-8B	POWER CORD EXTENSION	1	1	1	1	1	1	1	1	1	1	1	1		
83	83		9C08881-00	TAPE,FOAM,GRAY 1-3/16" 33"L 1/8T	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R		
84	84		1211513-00	TERM,RING 3/8STUD CRIMP	4	4	4	4	4	4	4	4	4	4	4	4		
85	85		1211513-01	TERM,RING 1/4STUD CRIMP	8	8	8	8	8	8	8	8	8	8	8	8		
86	86	A-DC-7415437-0-0	7415437-00	DECAL	1	1	1	1	1	1	1	1	1	1	1	1		
87	87		1211514-00	TERM,RING .398STUD FLAG	4	4	4	4	4	4	4	4	4	4	4	4		
88	88	D-IA-7414529-0-0	7414529-00	SUPPORT POWER SUPPLY	1	1	1	1	1	1	1	1	1	1	1	1		
89	89		9007600-00	FOOT, LEVELER, CUSHION, 1/2-13,	12	12	12	12	12	12	12	12	12	12	12	12		
90	90		9107242-00	WRAP,CABLE,.50 OD VINYL	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R		
91	91		9006660-00	WASHER,FLAT SST	32	32	32	32	32	32	32	32	32	32	32	32		
92	92		9107764-66	WIRE, 02AWG(665/30)IPVC 600V1	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R		
93	93		9006637-00	WASHER,LOCK INTERNAL STEEL	4	4	4	4	4	4	4	4	4	4	4	4		
94	94		9107430-29	WIRE,TWP 18AWG(19/30)IPVC 150V	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R		
95	95		9107766-00	WIRE,3TW 14AWG19/.0147	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R		
96	96		9006633-00	WASHER,LOCK INTERNAL STEEL	76	76	76	76	76	76	76	76	76	76	76	76		
97	97		9008978-00	NUT,TEE 1/2-13X1.50 LG S/Z	12	12	12	12	12	12	12	12	12	12	12	12		
98	98		1212972-00	STUD,RING HD .300	3	3	3	3	3	3	3	3	3	3	3	3		
99	99		9007097-00	SPRING,COMPRESSION .410JDX1.125	12	12	12	12	12	12	12	12	12	12	12	12		
100	100		1209165-00	MAGNET #9765 AMEROCK	24	24	24	24	24	24	24	24	24	24	24	24		
101	101		1212561-00	FAN GUARD,6" FLAT	8	8	8	8	8	8	8	8	8	8	8	8		
102	102		9007775-00	STUD,BALL .250X0.447	28	28	28	28	28	28	28	28	28	28	28	28		
103	103	C-MD-7414318-0-0	7414318-00	KEY BUTTON	12	12	12	12	12	12	12	12	12	12	12	12		
104	104	C-IA-7011547-0-0	7011547-00	HINGE BRACKET ASSY (R.H.)	6	6	6	6	6	6	6	6	6	6	6	6		
105	105	D-MD-7415271-0-0	7415271-00	PLATE,I/O FAN MTG	1	1	1	1	1	1	1	1	1	1	1	1		
106	106		1212462-00	*** THIS ITEM IS NOT USED ***	-	-	-	-	-	-	-	-	-	-	-	-		
107	107	C-MD-7415200-0-0	7415200-00	PIVOT PLATE	6	6	6	6	6	6	6	6	6	6	6	6		
108	108	C-IA-7415108-0-0	7415108-00	BRACKET TOP DOOR LATCH	3	3	3	3	3	3	3	3	3	3	3	3		
109	109	C-IA-7415107-0-0	7415107-00	BRACKET BOTTOM DOOR LATCH	3	3	3	3	3	3	3	3	3	3	3	3		
110	110	D-IA-7012686-0-0	7012686-00	FINGER GUARD	2	2	2	2	3	3	3	3	3	3	3	3		
111	111	C-IA-7011547-0-0	7011547-01	HINGE BRACKET ASSY (L.H.)	6	6	6	6	6	6	6	6	6	6	6	6		
112	112	D-MD-7415394-0-0	7415394-00	SHIELD	5	5	5	5	5	5	5	5	5	5	5	5		
113	113	R-IA-7415268-0-0	7415268-00	SUPPORT	3	3	3	3	3	3	3	3	3	3	3	3		
114	114	D-IA-7012196-0-0	7012196-00	SHIELD,WEIDMENT	1	1	1	1	1	1	1	1	1	1	1	1		
115	115		9008500-00	RING,RETAINER FJR .243	24	24	24	24	24	24	24	24	24	24	24	24		
116	116	B-MD-7416512-0-0	7416512-00	PIN, DOOR RETAINER	12	12	12	12	12	12	12	12	12	12	12	12		
117	117		1209351-03	MATE-N-LOK 03PIN(1X03).200CC HSG	2	2	2	2	2	2	2	2	2	2	2	2		
118	118		9006071-03	SCREW,MACH TRUSS PHIL 10-	80	80	80	80	80	80	80	80	80	80	80	80		
119	119	A-DC-7409872-0-0	7409872-02	PWR HARNESS DECAL, BLACK ON CLEA	1	1	1	1	1	1	1	1	1	1	1	1		
120	120	B-MD-7411296-0-0	7411296-00	HEAT SINK SPACER (KL10)	2	2	2	2	2	2	2	2	2	2	2	2		
121	121		9006724-00	WASHER,LOCK EXTERNAL STEEL	32	32	32	32	32	32	32	32	32	32	32	32		
122	122		9008415-00	WASHER,FLAT SST	6	6	6	6	6	6	6	6	6	6	6	6		
123	123		9006376-08	SCREW,CAP SOC HEX 1/4-	2	2	2	2	2	2	2	2	2	2	2	2		
124	124		9006568-00	NUT,HEX EXT TOOTH LCKWSH 5/16-18	18	18	18	18	18	18	18	18	18	18	18	18		
125	125		9006563-00	NUT,HEX EXT TOOTH LCKWSHR 9-32	45	45	45	45	41	41	41	41	41	41	41	41		
126	126		9006055-01	SCREW,MACH PAN PHIL 1/4-	6	6	6	6	6	6	6	6	6	6	6	6		

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I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
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ARITHMETIC PROCESSOR															KL10-E-DBP			
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LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION											
					EA	EB	EC	ED	EE	EF	EH	EJ	EK	EL	EM	EN
175	175		1211336-02	*** THIS ITEM IS NOT USED ***	-	-	-	-	-	-	-	-	-	-	-	-
176	176	C-MD-7415648-0-0	7415648-00	INSULATOR	1	1	1	1	1	1	1	1	1	1	1	1
177	177		9006040-02	SCREW,MACH FLAT PHIL 8-	2	2	2	2	2	2	2	2	2	2	2	2
178	178		9007033-00	TIE,CABLE BUNDL.DIA 9-1-3/4"=101	12	12	12	12	12	12	12	12	12	12	12	12
179	179		9006073-02	SCREW,MACH FLAT PHIL 10-	8	8	8	8	8	8	8	8	8	8	8	8
180	180		9006024-01	SCREW,MACH PAN PHIL 6-	12	12	12	12	12	12	12	12	12	12	12	12
181	181	J-IA-7012411-0-0	7012411-00	I/O DC HARNESS	1	1	1	1	1	1	1	1	1	1	1	1
182	182	J-IA-7012411-0-0	7012411-01	I/O DC HARNESS	1	1	1	1	1	1	1	1	1	1	1	1
183	183		1210821-02	MATE-N-LOK 02SKT(1X02) HSG	2	2	2	2	2	2	2	2	2	2	2	2
184	184		1210822-02	MATE-N-LOK 02PIN(1X02) HSG	2	2	2	2	2	2	2	2	2	2	2	2
185	185		1210820-02	TERM,QUICK .020TAB 22-18AWG	12	12	12	12	12	12	12	12	12	12	12	12
186	186	D-MD-7415825-0-0	7415825-00	BRACKET STRAIN RELIEF	1	1	1	1	1	1	1	1	1	1	1	1
187	187	D-IA-7415826-0-0	7415826-00	SUPPORT STRAIN RELIEF	1	1	1	1	1	1	1	1	1	1	1	1
188	188		9006037-01	SCREW,MACH PAN PHIL 8-	3	3	3	3	3	3	3	3	3	3	3	3
189	189		9006634-00	WASHER,LOCK INTERNAL STEEL	2	2	2	2	2	2	2	2	2	2	2	2
190	190		9006062-01	SCREW,MACH PAN PHIL 1/4-	2	2	2	2	2	2	2	2	2	2	2	2
191	191		9007036-00	GROMMET,CATERPILLAR POLYAMIDE	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
192	192		9007594-00	ADHESIVE,NEOPRENE	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
193	193		9006073-03	SCREW,MACH TRUSS PHIL 10-	24	24	24	24	16	15	16	16	16	15	16	16
194	194		9008887-00	*** THIS ITEM IS NOT USED ***	-	-	-	-	-	-	-	-	-	-	-	-
195	195		9006557-00	NUT,HEX EXT TOOTH LCKWSHR 4-40	24	24	24	24	24	24	24	24	24	24	24	24
196	196		9008264-00	MOUNT,CABLE TIE, ADHESIVE BACKE	158	158	158	158	158	158	158	158	158	158	158	158
197	197		9006560-00	NUT,HEX EXT TOOTH LCKWSHR 6-32	12	12	12	12	12	12	12	12	12	12	12	12
198	198	A-PL-KL10-E-KIT		HARDWARE KIT	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF
199	199		3612629-00	LABEL,-DEC SYS 10 QC STAT-,ADH B	1	1	1	1	1	1	1	1	1	1	1	1
200	200		9007081-00	CLAMP,CABLE,SCREW MTD. 1/4"	8	8	8	8	8	8	8	8	8	8	8	8
201	201		9007085-00	CLAMP,CABLE,SCREW MTD. 1/2 "	15	15	15	15	15	15	15	15	15	15	15	15
202	202		9007867-00	MOUNT,PUSH,CABLE TIE	30	30	30	30	30	30	30	30	30	30	30	30
203	203		1209351-04	MATE-N-LOK 04PIN(1X04).200CC HSG	1	1	1	1	1	1	1	1	1	1	1	1
204	204		9006635-00	WASHER,LOCK INTERNAL STEEL	34	34	34	34	34	34	34	34	34	34	34	34
205	205		1213012-00	BLOWER,CENTRIFUGAL 550CFM 208V	1	-	1	-	1	-	1	-	1	-	1	-
206	206	D-IA-7012343-0-0	7012343-00	SCREEN,DIFFUSER ASSY (C-P-U)	1	1	1	1	1	1	1	1	1	1	1	1
207	207		9006072-01	SCREW,MACH PAN PHIL 10-	4	4	4	4	4	4	4	4	4	4	4	4
208	208	D-AD-7009676-0-0	7009876-00	VALE SWITCH ASSY	1	1	1	1	1	1	1	1	1	1	1	1
209	209		9008273-00	FOAM,TAPE 1/8" X 1/4" BLACK	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
210	210	E-UA-MB20-GC-0	OMB20-GC	2ND MB20-GA,120V 60HZ	REF	-	REF	-	-	-	-	-	-	-	-	-
211	211	E-UA-MB20-GD-0	OMB20-GD	2ND MEMORY (50HZ)	-	REF	-	REF	-	-	-	-	-	-	-	-
212	212	C-IA-7013059-0-0	7013059-06	*** THIS ITEM IS NOT USED ***	-	-	-	-	-	-	-	-	-	-	-	-
213	213	C-IA-7013059-0-0	7013059-07	GROUND STRIP	2	2	2	2	2	2	2	2	2	2	2	2
214	214		9008072-00	WASHER,LOCK EXTERNAL STEEL	11	11	11	11	11	11	11	11	11	11	11	11
215	215	C-IA-7013059-0-0	7013059-02	GROUND STRAP	1	1	1	1	1	1	1	1	1	1	1	1
216	216	C-IA-7013059-0-0	7013059-05	*** THIS ITEM IS NOT USED ***	-	-	-	-	-	-	-	-	-	-	-	-
217	217	D-SP-7013425-0-0	7013425-00	*** THIS ITEM IS NOT USED ***	-	-	-	-	-	-	-	-	-	-	-	-
218	218		9007788-00	WASHER,HELICAL SPLIT SST	4	4	4	4	4	4	4	4	4	4	4	4
219	219		9006638-00	WASHER,LOCK INTERNAL STEEL	18	18	18	18	18	18	18	18	18	18	18	18
220	220		9006078-03	SCREW,MACH TRUSS PHIL 10-	4	4	4	4	4	4	4	4	4	4	4	4
221	221		9006831-00	SPACER,CLEAR HOLE HEX ALUM 10	4	4	4	4	4	4	4	4	4	4	4	4
222	222		7014407-00	POWER CORD ASSY 60HZ	1	-	1	-	1	-	1	-	1	-	1	-

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ARITHMETIC PROCESSOR

SECTION A OF A

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LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION											
					EA	EB	EC	ED	EE	EF	EH	EJ	EK	EL	EM	EN
127	127	A-DC-7412561-0-0	7412561-00	DECAL MG10	3	3	3	3	3	3	3	3	3	3	3	3
128	128		9006241-09	SCREW,MACH HEX PLN 1/4-	8	8	8	8	8	3	8	8	8	8	8	8
129	129		9008203-00	NUT,HEX EXT TOOTH LCKWSHR 1/4-20	20	20	20	20	20	20	20	20	20	20	20	20
130	130		1209378-00	MATE-N-LOK OIPIN 20-14AWG .085JD	24	24	24	24	24	24	24	24	24	24	24	24
131	131		9006565-00	NUT,HEX EXT TOOTH LCKWSHR 10-32	241	241	241	241	235	235	235	235	235	235	235	235
132	132		9006021-01	SCREW,MACH PAN PHIL 6-	48	48	48	43	48	43	48	48	48	48	48	48
133	133	C-MD-7418502-0-0	7418502-00	BRACKET, COVER	1	1	1	1	1	1	1	1	1	1	1	1
134	134	D-AD-7013828-0-0	7013828-00	PANEL ASSY INTERFACE	1	1	1	1	1	1	1	1	1	1	1	1
135	135	D-IA-7012203-0-0	7012203-00	DUCT,WELDMENT	1	1	1	1	1	1	1	1	1	1	1	1
136	136	D-IA-7012216-0-0	7012216-00	DUCT ASSY	1	1	1	1	1	1	1	1	1	1	1	1
137	137	D-IA-7012204-0-0	7012204-00	DUCT ASSY (MEM 1)	1	1	1	1	-	-	-	-	1	1	1	1
138	138		9008922-09	SCREW,MACH HEX PLN 3/8-	4	4	4	4	4	4	4	4	4	4	4	4
139	139		9006593-00	NUT,HEX 3/8-16X .557AF SS/N	4	4	4	4	4	4	4	4	4	4	4	4
140	140	E-UA-MB20-GA-0	0MB20-GA	64K 37BIT CORE MEM + CONTROL,SPA	1	-	1	-	-	-	-	-	-	-	-	-
141	141	E-UA-MB20-GB-0	0MB20-GB	64K 37BIT CORE MEM + CONTROL,SPA	-	1	-	1	-	-	-	-	-	-	-	-
142	142	A-SP-KL10-C-PI		PACKAGING INSTRUCTIONS	REF	RE	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF
143	143		1209351-12	MATE-N-LOK 12PIN(3X04).240CC HSG	1	1	1	1	1	1	1	1	1	1	1	1
144	144		1209379-02	MATE-N-LOK OISKT 20-14AWG .082JD	8	8	8	3	3	3	8	8	8	8	8	8
145	145		1212907-00	CABLE ASSY,NYLON,6"LG,UNCRIMPED	3	3	3	3	3	3	3	3	3	3	3	3
146	146		9009025-00	WASHER,FLAT SST	6	6	6	6	6	6	6	6	6	6	6	6
147	147		9007969-00	TERM,QUICK .300TAB CRIMP 14-1	6	6	6	5	5	5	6	6	6	6	6	6
148	148		9007880-00	TIE,CABLE BUNDL DIA 0-1.14"=101	450	450	450	450	450	450	450	450	450	450	450	450
149	149	D-IA-7008288-0-0	7008288-3F	CABLE ASSY	1	1	1	1	1	1	1	1	1	1	1	1
150	150		1211255-03	FILTER,AIR FOAM 030PPI .	3	3	3	3	2	2	2	2	2	2	2	2
151	151		1211255-01	FILTER,AIR FOAM 030PPI .	2	2	2	2	2	2	2	2	2	2	2	2
152	152		1213121-00	*** THIS ITEM IS NOT USED ***	-	-	-	-	-	-	-	-	-	-	-	-
153	153		9006037-02	SCREW,MACH FLAT PHIL 8-	12	12	12	12	12	12	12	12	12	12	12	12
154	154		9008450-00	SPACER,THREADED HEX ALUM 10-3	1	1	1	1	1	1	1	1	1	1	1	1
155	155		9009350-00	TIE,CABLE BUNDL.DIA 0-4"RELEASE	5	5	5	5	5	5	5	5	5	5	5	5
156	156		9006664-00	WASHER,FLAT SST	22	22	22	22	22	22	22	22	22	22	22	22
157	157	D-IA-7008288-0-0	7008288-06	CABLE ASSY	1	1	1	1	1	1	1	1	1	1	1	1
158	158	C-IA-7415201-0-0	7415201-00	PLATE, ADAPTER	1	1	1	1	1	1	1	1	1	1	1	1
159	159	C-IA-7415410-0-0	7415410-00	RETAINER, FILTER	4	4	4	4	4	4	4	4	4	4	4	4
160	160	C-MD-7415438-0-0	7415438-00	FILLER STRIP, FRONT DOORS	3	3	3	3	3	3	3	3	3	3	3	3
161	161	C-MD-7415476-0-0	7415476-00	COVER,SHIELD	1	1	1	1	1	1	1	1	1	1	1	1
162	162	B-MD-7415420-0-0	7415420-00	BRKT (MEM 1)	2	2	2	2	-	-	-	-	-	-	-	-
163	163	C-MD-7415400-0-0	7415400-00	BRACKET LEFT SIDE (C.P.O.)	1	1	1	1	1	1	1	1	1	1	1	1
164	164	C-MD-7415399-0-0	7415399-00	BRACKET RIGHT SIDE (C.P.O.)	1	1	1	1	1	1	1	1	1	1	1	1
165	165	B-MD-7415413-0-0	7415413-00	BRACKET NO. 1(I/O)	1	1	1	1	1	1	1	1	1	1	1	1
166	166	B-MD-7415412-0-0	7415412-00	BRACKET NO.2 (I/O)	1	1	1	1	1	1	1	1	1	1	1	1
167	167		9006233-09	SCREW,MACH HEX PLN 10-	4	4	4	4	4	4	4	4	4	4	4	4
168	168		9006041-01	SCREW,MACH PAN PHIL 8-	16	16	16	16	16	16	16	16	16	16	16	16
169	169	C-AD-7011799-0-0	7011799-00	50 HZ REMOTE TURN ON ASSY	1	1	-	1	-	1	-	1	-	1	-	1
170	170		1210820-01	TERM,QUICK HSG,SIR RECPTACLE .	12	12	12	12	12	12	12	12	12	12	12	12
171	171		1211255-02	FILTER,AIR FOAM 030PPI .	5	5	5	5	5	5	5	5	5	5	5	5
172	172	A-DC-7415449-0-0	7415449-00	CAUTION DECAL	2	2	2	2	2	2	2	2	2	2	2	2
173	173	C-IA-7415646-0-0	7415646-00	PLATE ADAPTER	1	1	1	1	1	1	1	1	1	1	1	1
174	174	D-IA-7415649-0-0	7415649-00	BRACKET,CABLE ROUTING	1	1	1	1	1	1	1	1	1	1	1	1

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							ARITHMETIC PROCESSOR					
									K	PL	KL10-E-DBP	U

LINE ITEM DOCUMENT NUMBER PART NUMBER DESCRIPTION

QUANTITY PER VARIATION
EA EB EC ED EE EF EH EJ EK EL EM EN

267 NOTE: 1 ITEMS 38 AND 39,SEE CPU LOGIC ASSY E-UA-KL10-PV-0 (ITEM #21).
268 NOTE: 2 REFER TO E-UA-4F20-0-0 FOR INSTALLATION

RELEASABLE *****

DIGITAL							TITLE		SECTION A OF A		SIZE	CODE	DOCUMENT NUMBER		REV
							ARITHMETIC PROCESSOR						KL10-E-DBP		U

[illegible]

D	I	G	I	T	A	L	TITLE	ARITHMETIC PROCESSOR	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	KL10-E-DBP	U

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2-0-017K D IC 2

D

RTN

-12V

FAN
AC IN

+15V

RTN

-15V

REGULATOR
ASSEMBLY
H761

REMOTE
SENSE LEADS
TWP AWG #18

-2.0D
-2.0C
-2.0B
-2.0A
-5.2L
-5.2K
-5.2J
-5.2H
-5.2F
-5.2E
-5.2D
-5.2C
-5.2B
-5.2A

LOAD -5.2A
LOAD -5.2B
LOAD -5.2C
LOAD -5.2D
LOAD -5.2E
LOAD -5.2F
LOAD -5.2H
LOAD -5.2J
LOAD -5.2K
LOAD -5.2L
LOAD -2.0A
LOAD -2.0B
LOAD -2.0C
LOAD -2.0D

DC POWER
TO LOAD
2-AWG #10

C

B

A

D

C

B

A

KL10-0-2
D IC

FIRST USED ON OPTION/MODEL KL10		QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		PARTS LIST			
TOLERANCES		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
DECIMALS	ANGLES	TITLE REGULATOR ASSEMBLY			
.XXX - .005	+0° 30'	SIZE CODE D IC			
.XXX - .02		NUMBER KL10-0-2			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		REV.			
MATERIAL		NEXT HIGHER ASSY.			
FINISH		SCALE			
		SHEET 1 OF 1			

MR 1

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1-0-017X 510 2

D

D

C

C

B

B

A

A

D.C. VOLTAGE
OUTPUT

-5.2A
-5.2B
-5.2C
-5.2D
-5.2E
-5.2F
-5.2H
-5.2J
-5.2K
-5.2L

3 PHASE A.C.
INPUT

ØA
ØB
ØC
N
G

RAW
SUPPLY
H76ØA, H76ØB

3-AWG #2 RTN
4-AWG #2 -12V

CAPACITOR
ASSEMBLY
7009475

4-AWG #2 RTN
4-AWG #2 -12V

REGULATOR
ASSEMBLY
HT61

-2A
-2B
-2C
-2D

AC TO FANS #18TWP AWG
+15V 14AWG
RTN 14AWG
-15V 14AWG

ALL OUTPUT D.C.
VOLTAGES ON 2-#10 AWG

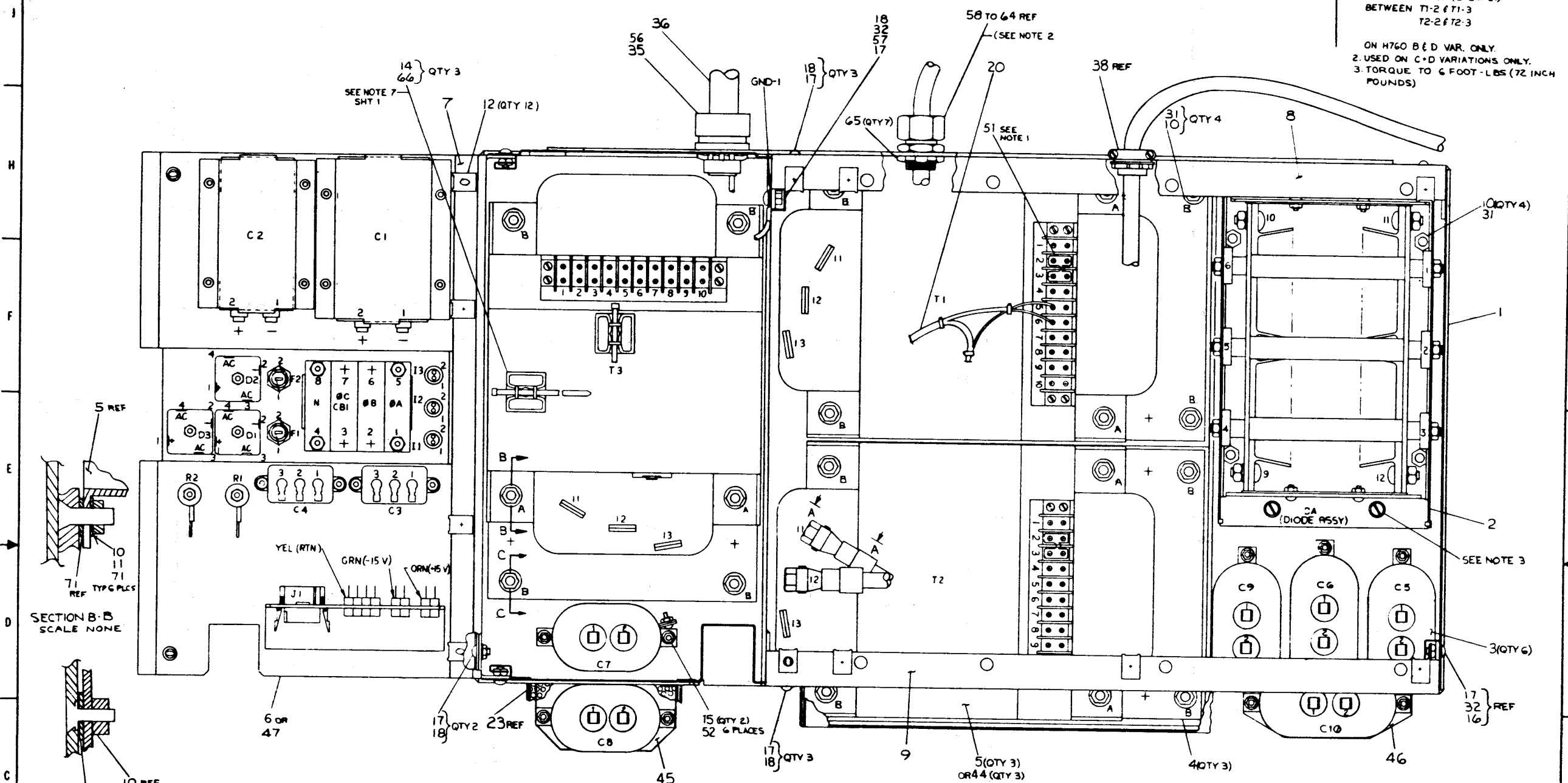
REVISION	CHANGE NO.	DATE
1	1	10/1/75

FIRST USED OR OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
KL1Ø					
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES		DRN. <i>[Signature]</i>	DATE 2/21/73	PARTS LIST	
TOLERANCES		CHKD. <i>[Signature]</i>	DATE 2/26/73	digital EQUIPMENT CORPORATION	
DECIMALS	ANGLES	ENG. <i>[Signature]</i>	DATE 2/25/73	TITLE	
.0005	Ø .00	APP. ENG. <i>[Signature]</i>	DATE 2/25/73	POWER DIAGRAM	
REMOVE BLUNTS AND BREAK SHARP CORNERS SURFACE QUALITY 1		PROD. <i>[Signature]</i>	DATE 2-7-73	SIZE CODE	
MATERIAL		NEXT HIGHER ASSY.		NUMBER	
FINISH		SCALE		REV.	
		SHEET 1 OF 1		KL1Ø-Ø-1	

MR 1

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- NOTES:
1. INSTALL JUMPER (ITEM 51) BETWEEN T1-2 & T1-3 T2-2 & T2-3
 - ON H760 B & D VAR. ONLY.
 2. USED ON C & D VARIATIONS ONLY.
 3. TORQUE TO 6 FOOT-POUNDS (72 INCH POUNDS)



WIRE TABLE										WIRE TABLE												
ITEM NO	DESCRIPTION	AWG	COLOR	POINT	FROM CONNECTION	TERM	POINT	TO CONNECTION	TERM	REMARKS	ITEM NO	DESCRIPTION	AWG	COLOR	POINT	FROM CONNECTION	TERM	POINT	TO CONNECTION	TERM	REMARKS	
22	2	BLU			T1-11	21		DA-1	21		20	14	BLK	21		T1-4 *		37	C6-2		*T1-6	
					T1-13			DA-2				TWP	RED	22		T1-3 *		36	C6-1 (POS)		*T1-5	
					T2-11			DA-3					14	YEL	26		T1-6 *		29	T2-6 *		*T1-8 T2-8
					T2-13			DA-4					14	RED	32		T2-3 *		35	C9-1 (POS)		*T2-5
					T3-11			DA-5			20	TWP	BLK	33		T2-4 *		34	C9-2		*T2-6	
22	2	BLU			T3-13	21		DA-6	21		37A	2	BLK			T1-12		9			Δ ITEM 58	
											38A	2	BLK			T2-12		10			Δ ITEM 59	
											39A	2	BLK			T3-12		11			Δ ITEM 60	
											40A	2	BLU			DA-11		5			Δ ITEM 61	
											41A	2	BLU			DA-10		6			Δ ITEM 62	
											42A	2	BLU			DA-9		7			Δ ITEM 63	
											43A	2	BLU			DA-12		8			Δ ITEM 64	
2	18	WHT			FAN1-B			CB1-1			36	10	WHT			CB1-8						
REF	18	RED			FAN1-A			CB1-2 *		*CB1-4	36	10	ORG			CB1-7						
20	18			1	D2-3		30	T2-5 *		*T2-7	36	10	RED			CB1-6						
	TWP			2	D2-4		31	T2-7 *		*T2-9	36	10	ORG			CB1-5						
	18			3	D1-3		23	T1-5 *		*T1-7	36	10	WHT			CB1-8						
	TWP			4	D1-4		24	T1-7 *		*T1-9	36	10	ORG			CB1-7						
	18			5	D3-3		17	T3-5 *		*T3-7	36	10	RED			CB1-6						
20	TWP	RED		6	D3-4		16	T3-7 *		*T3-9	36	10	BLK			CB1-5						
REF	14	YEL			C1-1			T3-6 *		*T3-8	36	10	GRN			GND-1						
20	10	BLU		8	T3-1		20	T2-2 *		*T2-4	20	14	RED	43		C9-1 (POS)		45	C10-1 (POS)			
		BLU		9	T3-1		40	CB1-3			20	TWP	BLK	44		C9-2		46	C10-2			
		BLK		10	T3-2 *		18	T1-1		*T3-4	20	14	RED	49		C6-1 (POS)		48	C9-1 (POS)			
	10	BLK		11	T3-2 *		42	CB1-1		*T3-4	20	TWP	BLK	50		C6-2		47	C9-2			
	14	RED		12	T3-3 *		38	C7-1 (POS)		*T3-5	20	14	RED	53		C7-1 (POS)		51	C8-1 (POS)			
	TWP	BLK		13	T3-4 *		39	C7-2		*T3-6	20	TWP	BLK	54		C7-2		52	C8-2			
	14	YEL		14	T3-6 *		25	T1-6 *		*T3-8 T1-8	20	14	BLK	54		T3-2	69		T3-3	69	B & D ONLY	
	10	RED		19	T1-2 *		27	T2-1		*T1-4	68	14	BLK			T3-2	69		T3-3	69		
20	10	RED		20	T1-2 *		41	CB1-2		*T1-4												

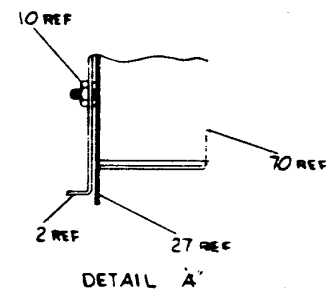
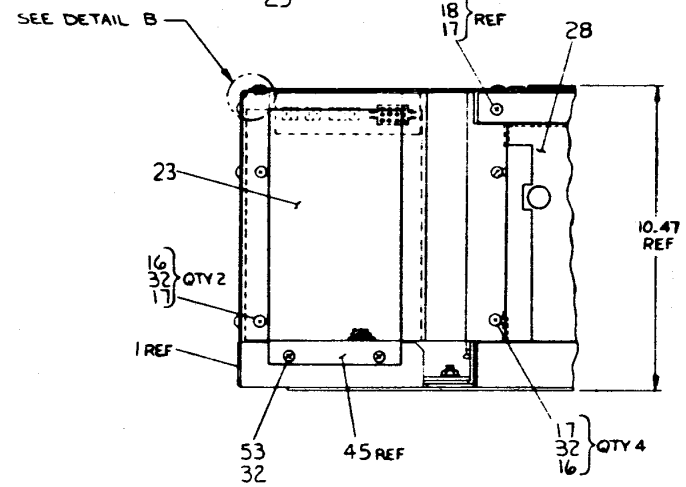
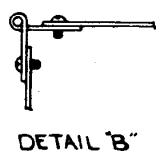
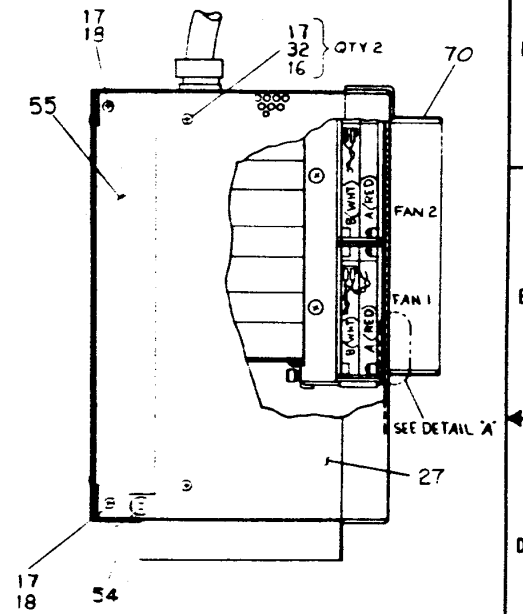
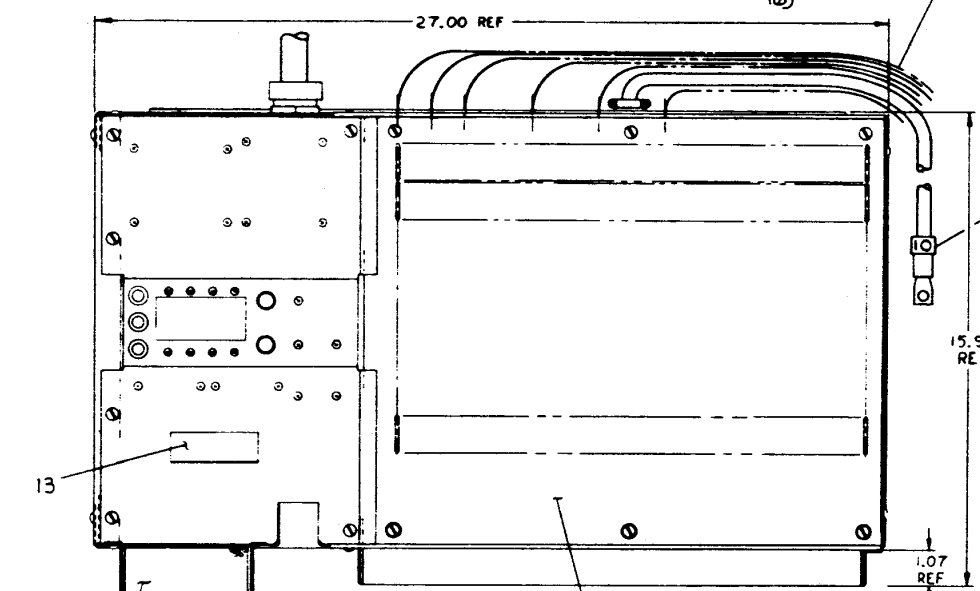
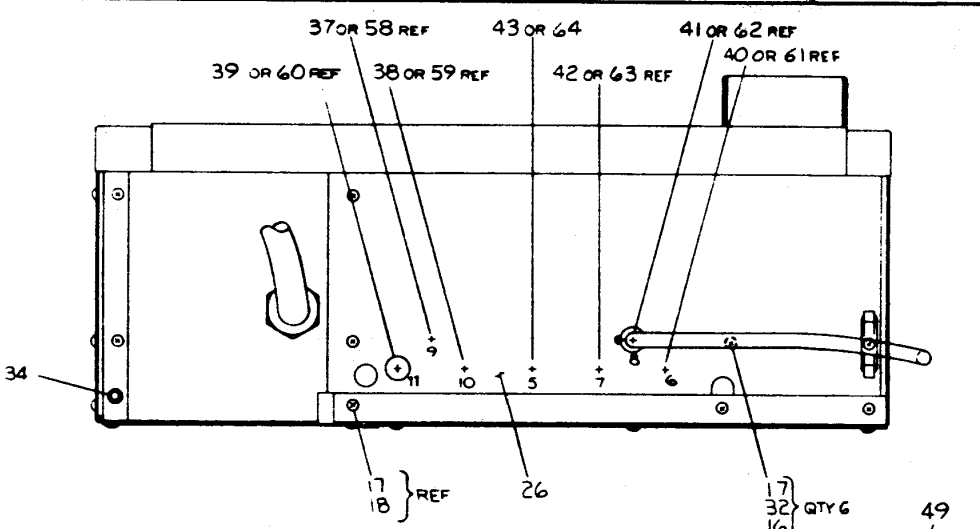
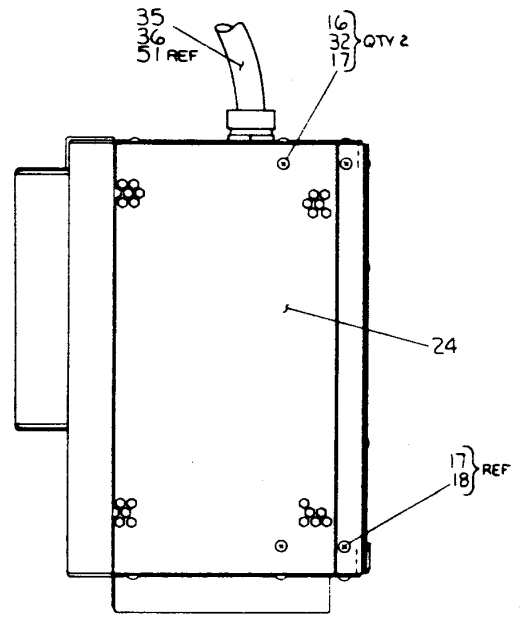
* FOR H760-B H760-D VARIATION, TERMINATE TO CONNECTIONS LISTED UNDER "REMARKS" COLUMN.
Δ FOR H760-C, H760-D USE ITEMS LISTED IN "REMARKS" COLUMN

KL10	RAW POWER SUPPLY	H760
SEE PARTS LIST	KL10	H760-0-0

1. THIS ASSY HAS AN OFF SHEET PARTS LIST. REFER TO R-PL-H760-0-0.

LEGEND	
PART NUMBER	VARIATION
H760-A	208V 60HZ
H760-B	416V 50HZ
H760-C	208V 60HZ
H760-D	416V 50HZ

- NOTES:
- THIS ASSY HAS AN OFF SHEET PARTS LIST. REFER TO R-PL-H760-0-0.
 - TRANSFORMER ITEMS TO BE ASSEMBLED USING ITEM 10 (15) TO MTG PLATE ITEM 3 PLACES (TYP FOR T1, T2, T3) THEN ATTACH MTG PLATE TO CHASSIS WITH 4) ITEM 10 (3) (TYP 3 PLACES).
 - ENGAGE 4 MTG FASTENERS ON 1) HEAT SINK ITEM 2 & REMOVE FROM FAN BRKT (PART OF HEAT SINK) ATTACH FAN BRKT WITH 4) ITEM 10 (3) TO CHASSIS ITEM 1) REPLACE DIODE HEAT SINK WHEN ABOVE OPERATION IS COMPLETE.
 - LABEL POINT DESIGNATIONS OF 2 AWG CABLES (ITEM 37 & 43) WITH BRADY MARKERS.
 - INSTALL INSULATOR CAPS (PART OF ITEM 37 & 43) TO CAPACITORS AFTER LEAD CONNECTIONS.
 - LOG MAY GO ON EITHER SIDE OF TRANSFORMER OR DIODE TERMINALS.
 - ATTACH MOUNTS WITH ITEM 67 OR EQUIVALENT AND TIE HARNESS (ITEM 20) TO CABLE TIE MOUNTS 3 PLACES.
 - TORQUE DOWN #2 AWG WIRE MTG. HARDWARE ON TRANSFORMERS T1, T2 & T3 TERMINALS 1 THRU 13 AND DIODE ASSY. 2) TERMINALS 1 THRU 6 AND 9 THRU 12 TO 236 IN. LBS. (19 PLACES).



REV	DATE	BY	CHKD	DESCRIPTION
1	11/18/00	KL10		INITIAL DESIGN
2	11/18/00	KL10		REVISED FOR MANUFACTURING
3	11/18/00	KL10		REVISED FOR MANUFACTURING
4	11/18/00	KL10		REVISED FOR MANUFACTURING
5	11/18/00	KL10		REVISED FOR MANUFACTURING
6	11/18/00	KL10		REVISED FOR MANUFACTURING
7	11/18/00	KL10		REVISED FOR MANUFACTURING
8	11/18/00	KL10		REVISED FOR MANUFACTURING
9	11/18/00	KL10		REVISED FOR MANUFACTURING
10	11/18/00	KL10		REVISED FOR MANUFACTURING
11	11/18/00	KL10		REVISED FOR MANUFACTURING
12	11/18/00	KL10		REVISED FOR MANUFACTURING
13	11/18/00	KL10		REVISED FOR MANUFACTURING
14	11/18/00	KL10		REVISED FOR MANUFACTURING
15	11/18/00	KL10		REVISED FOR MANUFACTURING
16	11/18/00	KL10		REVISED FOR MANUFACTURING
17	11/18/00	KL10		REVISED FOR MANUFACTURING
18	11/18/00	KL10		REVISED FOR MANUFACTURING
19	11/18/00	KL10		REVISED FOR MANUFACTURING
20	11/18/00	KL10		REVISED FOR MANUFACTURING
21	11/18/00	KL10		REVISED FOR MANUFACTURING
22	11/18/00	KL10		REVISED FOR MANUFACTURING
23	11/18/00	KL10		REVISED FOR MANUFACTURING
24	11/18/00	KL10		REVISED FOR MANUFACTURING
25	11/18/00	KL10		REVISED FOR MANUFACTURING
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29	11/18/00	KL10		REVISED FOR MANUFACTURING
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31	11/18/00	KL10		REVISED FOR MANUFACTURING
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37	11/18/00	KL10		REVISED FOR MANUFACTURING
38	11/18/00	KL10		REVISED FOR MANUFACTURING
39	11/18/00	KL10		REVISED FOR MANUFACTURING
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43	11/18/00	KL10		REVISED FOR MANUFACTURING
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71	11/18/00	KL10		REVISED FOR MANUFACTURING
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74	11/18/00	KL10		REVISED FOR MANUFACTURING
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80	11/18/00	KL10		REVISED FOR MANUFACTURING
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97	11/18/00	KL10		REVISED FOR MANUFACTURING
98	11/18/00	KL10		REVISED FOR MANUFACTURING
99	11/18/00	KL10		REVISED FOR MANUFACTURING
100	11/18/00	KL10		REVISED FOR MANUFACTURING

KL10		EQUIPMENT CORPORATION	
RAW POWER SUPPLY		H760	
SEE PARTS LIST		H760-0-0	

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY V.Souza
DATE 1/16/74
ENG
DATE
CHECKED D. Healy
DATE 1/28/74
SECTION
PROD
DATE
ISSUED SECT.

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION
44	1611985	TRANS., STEPDOWN 416V 180A 50HZ
45	C-IA-7413131-0-0	CAP. MOUNTING BRKT. #1
46	C-IA-7010838-0-0	CAPACITOR SUPPORT WELDMENT
47	D-AD-7009410-2-0	COMPONENT MTG. PLATE ASSEMBLY
48	9007772-11	CABLE, CABLE
49	9007032	TIES, CABLE
50	9006074-2	SCREW, PHL TRUSS HD #10-32 x .62
51	9009002	JUMPER, TERM BLOCK
52	9006653	WASHER, FLAT No.6
53	9006071-3	SCREW, PHL TRUSS HD #10-32 x.375
54	9007857	GROMMET
55	C-IA-7413454-0-0	SUPPORT, COVER
56	9009309-02	LOCKNUT
57	9007651	WASHER, LK6 EXT TOOTH #10
58	C-IA-7012467-0-0	POWER CABLE #3
59	C-IA-7012467-1-0	POWER CABLE #3
60	C-IA-7012467-2-0	POWER CABLE #3
61	C-IA-7012468-0-0	POWER CABLE #4
62	C-IA-7012468-1-0	POWER CABLE #4
63	C-IA-7012468-2-0	POWER CABLE #4
64	C-IA-7012468-3-0	POWER CABLE #4
65	9009309-00	LOCKNUT

TITLE RAW POWER SUPPLY
ASSY NO. E-UA-H760-0-0
SIZE CODE A PL
SHEET 3 OF 4
DIST.

DEC FORM DEC 16-(325)-1031-N870
ORA 110

QUANTITY / VARIATION
H760-A(208V 60HZ)
H760-B(416V 50HZ)
H760-C(208V 60HZ)
H760-D(416V 50HZ)
NUMBER H760-0-0
REV. ECO NO. H

MR

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY V. SOUZA
DATE 16/JAN/74
ENG
DATE
CHECKED D. HEALY
DATE 28/JAN/74
SECTION
PROD
DATE
ISSUED SECT.

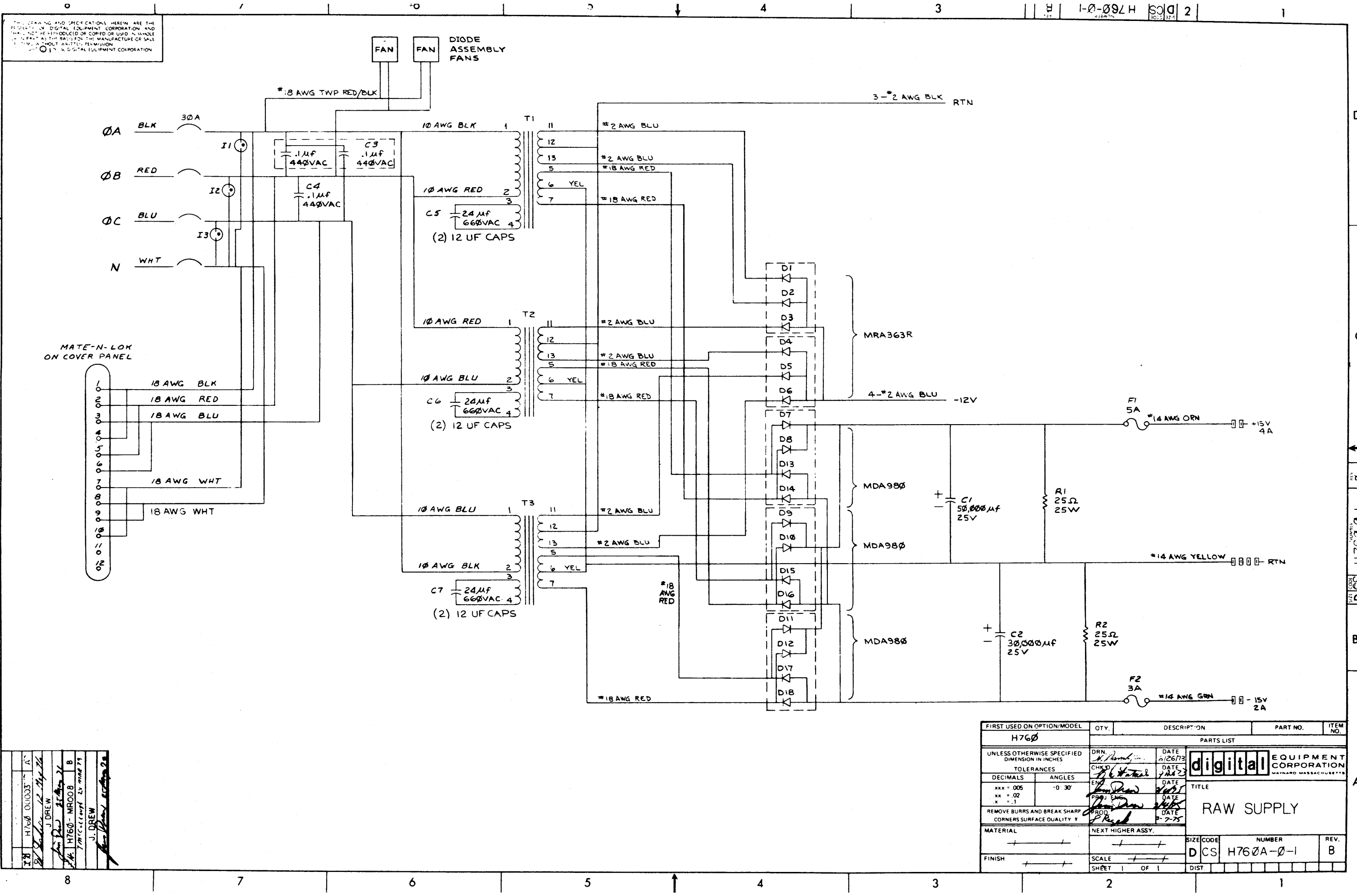
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION
66	9008264	MOUNT, CABLE TIE, ADHESIVE BACKED
67	9009157	ADHESIVE, PERMABOND #102
68	9107370	WIRE, 14 AWG STRD - BLACK
69	9007927	TERMINAL, RING - BLUE
70	D-MD-7417235-0-0	SCREEN, DRIP
71	9006784	EXT. TOOTH LOCK WASHER - 1/4-20

QUANTITY / VARIATION
H760-A(208V 60HZ)
H760-B(416V 50HZ)
H760-C(208V 60HZ)
H760-D(416V 50HZ)
NUMBER H760-0-0
REV. ECO NO. H

TITLE RAW POWER SUPPLY
ASSY NO. E-UA-H760-0-0
SIZE CODE A PL
SHEET 4 OF 4
DIST.

DEC FORM DEC 16-(325)-1031-N870
ORA 110

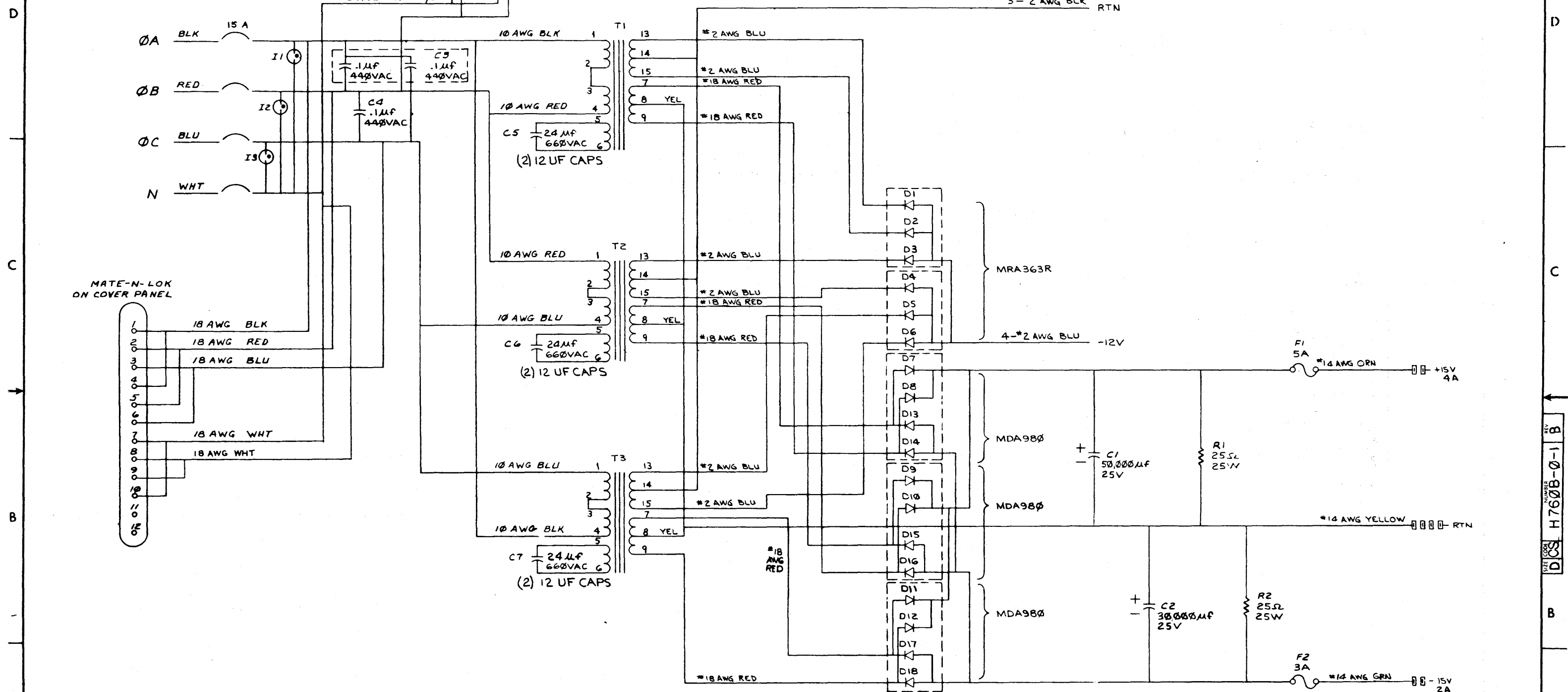
MR



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1	H760 00003	A
2	H760 00003	A
3	H760 00003	A
4	H760 00003	A
5	H760 00003	A
6	H760 00003	A
7	H760 00003	A
8	H760 00003	A
9	H760 00003	A
10	H760 00003	A
11	H760 00003	A
12	H760 00003	A

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
H760					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		PARTS LIST			
TOLERANCES		digital EQUIPMENT CORPORATION NATURAL MASSACHUSETTS			
DECIMALS	ANGLES	TITLE			
xxx = .005	0 30	RAW SUPPLY			
xx = .02					
x = .1					
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY Y					
MATERIAL		NEXT HIGHER ASSY.			
FINISH		SCALE			
		SHEET 1 OF 1			
		SIZE CODE		NUMBER	REV.
		D CS		H760A-0-1	B
		DIST.			



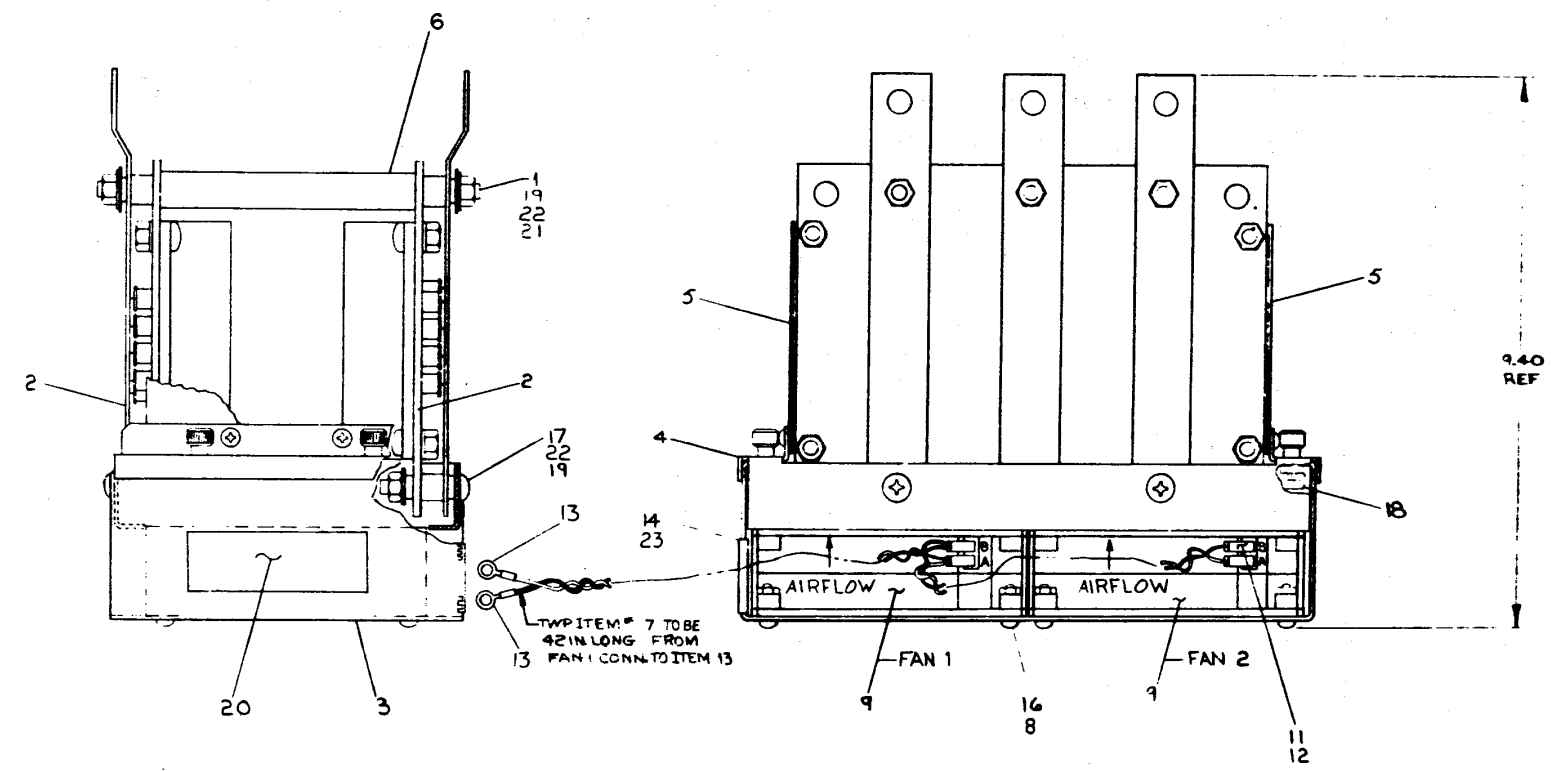
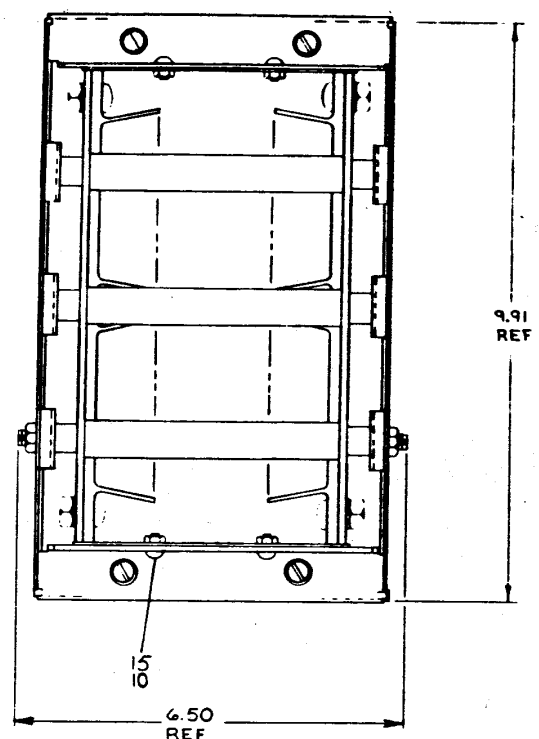
REVISIONS		
DATE	CHANGE NO.	REV.
2/27	H760-00003	A
9/26/02 12:44g 26		
J.DREW		
10/1/02 2:42g 26		
2/27	H7600 - MRO08	B
T.M.C. 12/1/02 2:00g 27		
J.DREW		
10/1/02 2:42g 26		

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
H76Ø		PARTS LIST			
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		DRN. <i>S. Dwyer</i>	DATE <i>6/26/73</i>	 DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
TOLERANCES		CHKD. <i>S. Dwyer</i>	DATE <i>6/26/73</i>		
DECIMALS	ANGLES	ENG. <i>S. Dwyer</i>	DATE <i>6/26/73</i>		
xxx = .005	-0° 30'	PROD. ENG. <i>S. Dwyer</i>	DATE <i>6/26/73</i>		
xx = .02		PROD. <i>S. Dwyer</i>	DATE <i>6/26/73</i>	TITLE RAW SUPPLY	
x = .1		PROD. <i>S. Dwyer</i>	DATE <i>6/26/73</i>		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY 1					
MATERIAL		NEXT HIGHER ASSY.			
<i>+</i> <i>+</i>		<i>+</i> <i>+</i>			
FINISH	<i>+</i> <i>+</i>	SCALE <i>+</i> <i>+</i>	SIZE CODE	NUMBER	REV.
		SHEET <i>+</i> <i>+</i>	DCS	H76ØB-Ø-1	B

DIGITAL EQUIP. CORP.

WIRE TABLE						
ITEM DESCRIPTION			FROM		TO	
NO.	WPG	COLOR	CONN	WITH	CONN	WITH
7	16	RED	FAN2-A	11-12	FAN1-A	11-12
7	TWP	WHT	FAN2-B	11-12	FAN1-B	11-12
16	RED	FAN1-A	11-12	-	13	
7	TWP	WHT	FAN1-B	11-12	-	13

*CRIMP ITEM#12 TO BOTH RED TWP
**CRIMP ITEM#12 TO BOTH WHT TWP

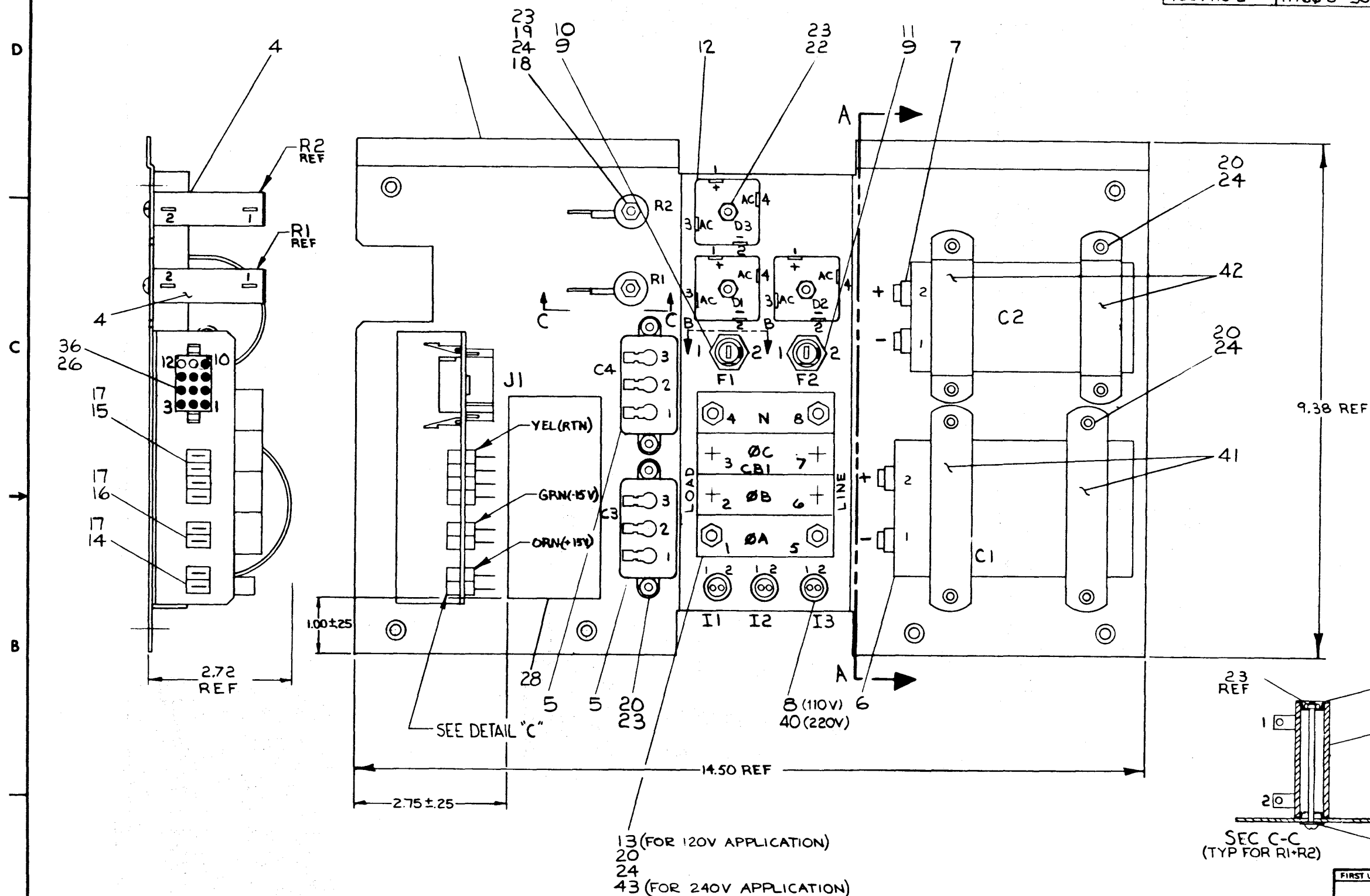


AVT ADHESIVE, HYBRID PC	9007594	23
10 WASH FLAT	9007792	22
6 BR. WHT. NYLON	9009646	21
1 LABEL ADHESIVE BACKER	9009255	20
10 NUT KEPS 1/4-20	9008273	19
4 NUT, SPRING	9007786	18
4 SCREW, PAN. PAN. HD. #2-1/2	9009450-1	17
8 SCREW, PAN. PAN. HD. #3-1/2	9006025-1	16
4 SCREW, PAN. PAN. HD. #3-1/2	9006036-1	15
A/R GRAMMET	9007646	14
2 CONNL. SOLDERLESS, RED	9007930	13
4 FASTAB TERMINAL	1210820-4	12
4 FASTAB SOCKET HSG	1210820-1	11
4 NUT KEPS 9-32	9006563	10
2 FAN SUPER BOXER	216130	9
8 NUT KEPS 6-32	9006560	8
AVT 18 AWG TWP RED/WHY	9007430-29	7
3 SPACER	9009631	6
2 PANEL RAFFLE	9009631	5
1 HEAT SINK SUPPORT	9009631	4
1 FAN BRACKET	9009631	3
1 DIODE ASSEMBLY	1111495	2
3 ROD THREADED	8-MIL-NH475-00	1

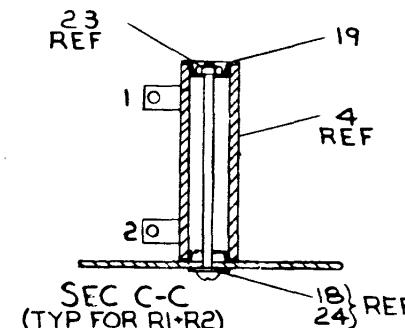
DATE	BY	REV	7009409-0-0
10/1/77	J. L. H.	1	
EQUIPMENT CORPORATION			
TITLE			
DIODE HEAT SINK ASSY			
D-1A-H760-E-0			
REV			
1			

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LEGEND	
NUMBER	VARIATION
7009410-1	H760-A 60 HZ
7009410-2	H760-B 50 HZ



QTY	DESCRIPTION	PART NO.	ITEM NO.
1	CIRCUIT BREAKER 30A 240V	1212321-01	43
2	CAP. MTG BRKT #1	1214463-0-0	42
2	CAP. MTG BRKT #2	7014453-0-0	41
3	LAMP, PILOT	1202556	40
11	CONNECTOR (BLUE)	9007928	39
5	TIES, CABLE	9007031	38
A/R	A/R #18 AWG WIRE STRD INS (WHITE)	9107360-99	37
1	CONN. MAT-N-LOK 12 SKT	1209350-12	36
6	CONN. SOLDESS	9007694-0	35
A/R	A/R #18 AWG WIRE STRD INS (YELLOW)	9107370-44	34
A/R	A/R #18 AWG WIRE STRD INS (GREEN)	9107370-55	33
A/R	A/R #18 AWG WIRE STRD INS (ORANGE)	9107370-33	32
A/R	A/R #18 AWG WIRE STRD INS (ORANGE)	9107360-33	31
A/R	A/R #18 AWG WIRE STRD INS (RED)	9107360-22	30
A/R	A/R #18 AWG WIRE STRD INS (BLACK)	9107360-00	29
1	LABEL, ADHESIVE BACKED	9009255	28
6	CONNECTOR (RED)	9007930-0	27
10	FEMALE CONTACT	1209379-01	26
13	CONNECTOR (BLUE)	9007919-0	25
18	INT TOOTH LOCK WASHER #6	9006633	24
9	KEP NUT #6-32	9008185	23
3	PHL PAN HD SCR #6-32 x .56 LG.	9007793-1	22
20	PHL PAN HD SCR #6-32 x .31 LG	9006021-1	20
4	WASHER, CENTERING	9006674	19
2	PHL PAN HD SCR #6-32 x .12 LG	9007850-1	18
8	TERMINAL INSERT	9007238	17
2	BUSH. JUNC. TERM (GRN)	9007236	16
4	BUSH. JUNC. TERM (YEL)	9007233	15
2	BUSH. JUNC. TERM (ORN)	9007234	14
1	CIRCUIT BREAKER 30A 240V	121037-02	13
3	DIODE PACK	1110168	12
1	FUSE 3A	9007217	11
1	FUSE 5A	9007221	10
2	FUSE HOLDER	9007242	9
3	LAMP, PWR ON IND (RED)	1211263	8
1	CAPACITOR 30,000MFD 25VDC	1010184	7
1	CAPACITOR 50,000MFD 25VDC	1009967-0	6
2	CAPACITOR 2X-1MFD 440VAC	1010193	5
2	RESISTOR 25 OHM 25W 1.0%	1300190	4
1	CAP. MTG BRKT #1	1214463-0-0	3
1	CAP. MTG BRKT #2	7014453-0-0	2
1	COMPONENT MTG PLATE	E-MD-2408H-0-0	1



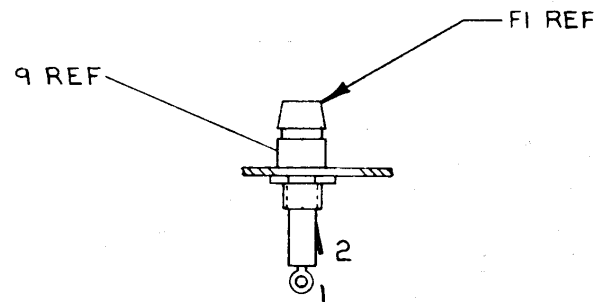
REVISIONS		
CHK	CHANGE NO	REV
1	1760 - 00001	A
2	1760 - 00002	B
3	1760 - 00003	C
4	1760 - 00004	D
5	1760 - 00005	E
6	1760 - 00006	F
7	1760 - 00007	G
8	1760 - 00008	H
9	1760 - 00009	I
10	1760 - 00010	J
11	1760 - 00011	K
12	1760 - 00012	L
13	1760 - 00013	M
14	1760 - 00014	N
15	1760 - 00015	O
16	1760 - 00016	P
17	1760 - 00017	Q
18	1760 - 00018	R
19	1760 - 00019	S
20	1760 - 00020	T
21	1760 - 00021	U
22	1760 - 00022	V
23	1760 - 00023	W
24	1760 - 00024	X
25	1760 - 00025	Y
26	1760 - 00026	Z
27	1760 - 00027	AA
28	1760 - 00028	AB
29	1760 - 00029	AC
30	1760 - 00030	AD
31	1760 - 00031	AE
32	1760 - 00032	AF
33	1760 - 00033	AG
34	1760 - 00034	AH
35	1760 - 00035	AI
36	1760 - 00036	AJ
37	1760 - 00037	AK
38	1760 - 00038	AL
39	1760 - 00039	AM
40	1760 - 00040	AN
41	1760 - 00041	AO
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224	1760 - 00224	HP
225	1760 - 00225	HQ
226	1760 - 00226	HR
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229	1760 - 00229	HU
230	1760 - 00230	HV
231	1760 - 00231	HW
232	1760 - 00232	HX
233	1760 - 00233	HY
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271	1760 - 00271	JK
272	1760 - 00272	IL
273	1760 - 00273	IM
274	1760 - 00274	IN
275	1760 - 00275	IO
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282	1760 - 00282	IV
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305	1760 - 00305	KS
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315	1760 - 00315	LC
316	1760 - 00316	LD
317	1760 - 00317	LE
318	1760 - 00318	LF
319	1760 - 00319	LG
320	1760 - 00320	LH
321	1760 - 00321	LI
322	1760 - 00322	LJ
323	1760 - 00323	LK
324	1760 - 00324	LL
325	1760 - 00325	LM
326	1760 - 00326	LN
327	1760 - 00327	LO
328	1760 - 00328	LP
329	1760 - 00329	LQ
330	1760 - 00330	LR
331	1760 - 00331	LS
332	1760 - 00332	LT
333	1760 - 00333	LU
334	1760 - 00334	LV
335	1760 - 00335	LW
336	1760 - 00336	LX
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348	1760 - 00348	MJ
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351	1760 - 00351	MM
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357	1760 - 00357	MS
358	1760 - 00358	MT
359	1760 - 00359	MU
360	1760 - 00360	MV
361	1760 - 00361	MW
362	1760 - 00362	MX
363	1760 - 00363	MY
364	1760 - 00364	MZ
365	1760 - 00365	NA
366	1760 - 00366	NB
367	1760 - 00367	NC

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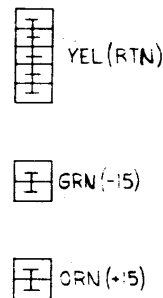
WIRE TABLE

ITEM NO.	DESCRIPTION		FROM			TO		
	AWG	COLOR	POINT	CONNECTION	WITH	POINT	CONNECTION	WITH
8	*22	*BLK		I1-2				27
8	*22	*BLK		I2-2			CBI-4	27
8	*22	*BLK		I3-2				27
8	*22	*BLK		I1-1			CBI-1	39
29	18	BLK		J1-1	26		J1-4	26
8	*22	*BLK		I2-1			CBI-2	39
30	18	RED		J1-2	26		J1-5	26
30	18	RED						
31	*22	*BLK		I3-1			CBI-3	39
31	18	ORN		J1-3	26		J1-6	26
29	18	BLK		C3-1	SOLD		CBI-1	27
29	18	BLK		C3-2	SOLD		CBI-2	39
29	18	BLK		C4-1	SOLD			
29	18	BLK		C3-3	SOLD		CBI-3	39
29	18	BLK		C4-2	SOLD			
32	14	ORN		D1-1	25+35		D2-1	25+35
32	14	ORN		D2-1	25		D3-1	25+35
32	14	ORN		D3-1	25		C1-2(POS)	39
32	14	ORN		R1-1	SOLD		D1-1	25
32	14	ORN		F1-1	SOLD		F1-2	SOLD
32	14	ORN					**+15(ORG)	17+SOLD
33	14	GRN		D1-2	25+35		D2-2	25+35
33	14	GRN		D2-2	25		D3-2	25+35
33	14	GRN		D3-2	25		C2-1(NEG)	39
33	14	GRN		R2-1	SOLD		D1-2	25
33	14	GRN		F2-1	SOLD		F2-2	SOLD
33	14	GRN					** -15(GRN)	17+SOLD
34	14	YEL		C1-1(NEG)	39		C2-2(POS)	39
34	14	YEL		C2-2(POS)	39		R1-2	SOLD
34	14	YEL		R1-2	SOLD		R2-2	SOLD
34	14	YEL		R2-2	SOLD		**RTN(YEL)	17+SOLD
37	18	WHT		J1-10	26		CBI-4	27
37	18	WHT					J1-7	26
37	18	WHT		CBI-4	27			25
37	18	WHT		J1-9	26		J1-8	26

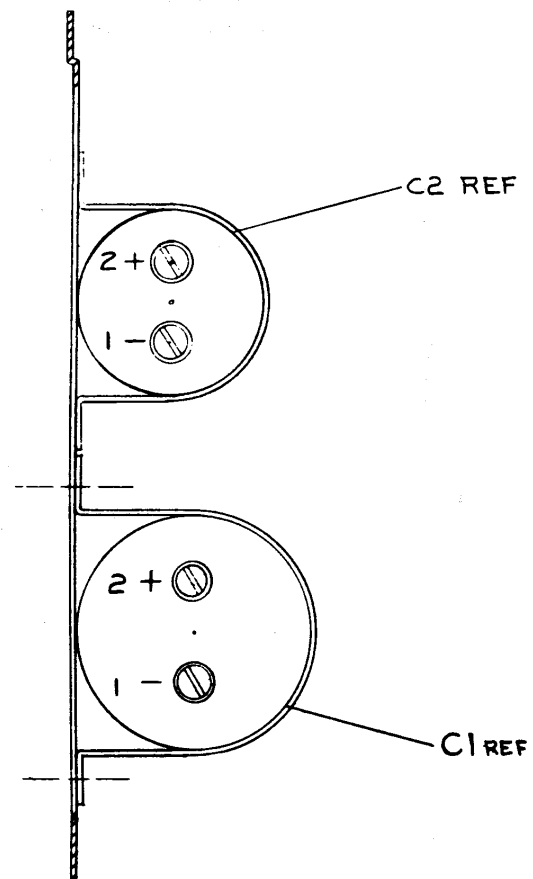
* #22 AWG BLK WIRE PART OF INDICATOR LAMP ITEM #8
** SEE DETIAL 'C'



SECTION B-B
(TYP FOR FI&F2)



DETAIL 'C'
(BUS YEL, GRN & ORN WIRES AS SHOWN)
TURNED TO SHOW TERMINALS



SECTION A-A

REVISIONS		
CHK	CHANGE NO	REV

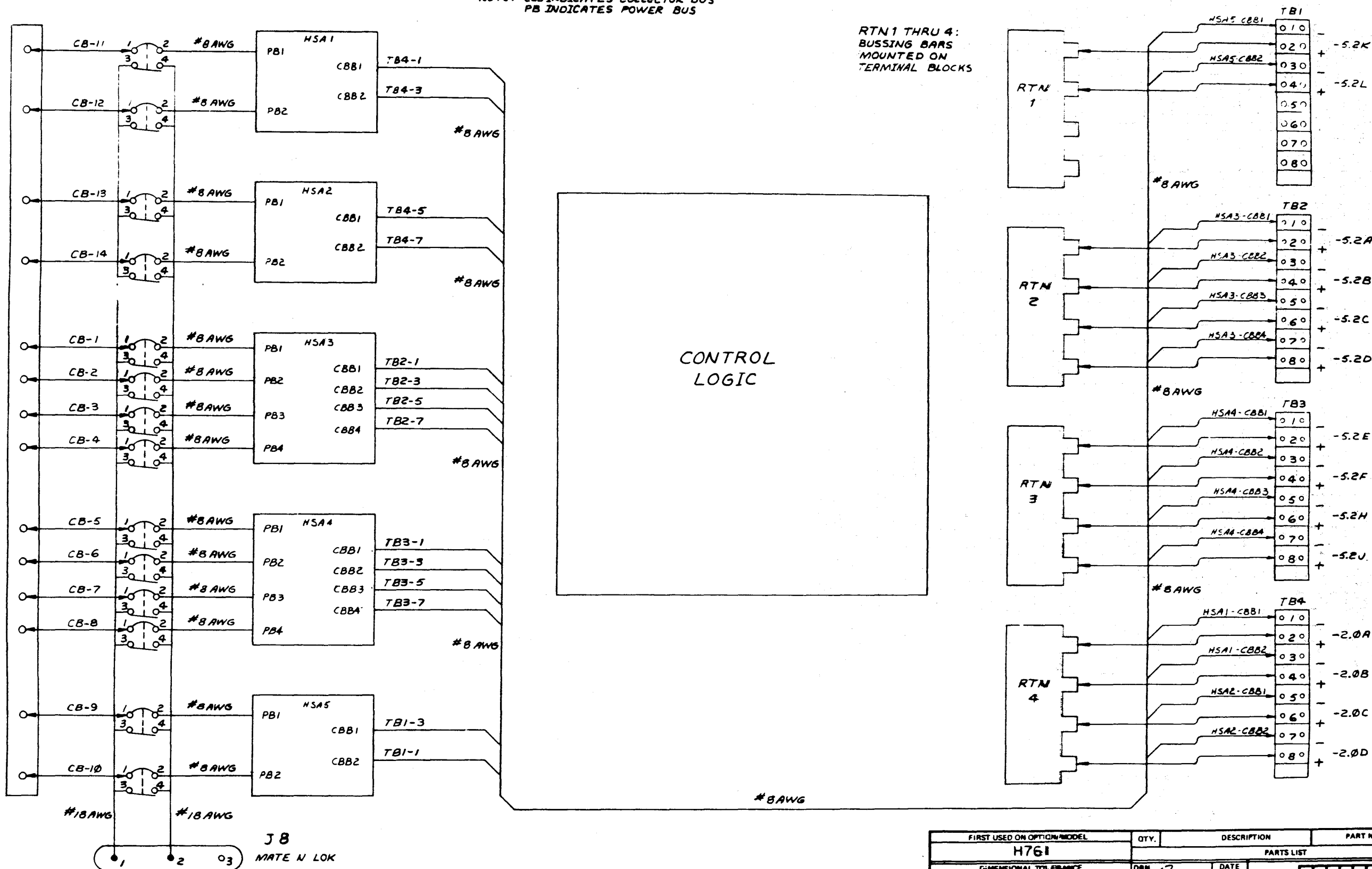
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NOTE: CBB INDICATES COLLECTOR BUS
PB INDICATES POWER BUS

RTN1 THRU 4:
BUSSING BARS
MOUNTED ON
TERMINAL BLOCKS

-12V BUS BAR
MOUNTED ON
CIRCUIT BREAKER
POSTS

CONTROL
LOGIC



J B
MATE N LOK

REV	CHANGE NO	DATE
1	1	10/1/76
2	2	10/1/76
3	3	10/1/76
4	4	10/1/76
5	5	10/1/76
6	6	10/1/76
7	7	10/1/76
8	8	10/1/76
9	9	10/1/76
10	10	10/1/76

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
H761					
DIMENSIONAL TOLERANCE		PARTS LIST			
DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED		digital			
MILLIMETERS	INCHES	ANGLES	TITLE		
XX - ±0.10	XX - ±0.004	XX - ±0.004	H761 (POWER)		
XX - ±0.05	XX - ±0.002	XX - ±0.002	WIRING DIAGRAM		
XX - ±0.02	XX - ±0.001	XX - ±0.001	NUMBER		
THIRD ANGLE PROJECTION		REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		REV.	
MATERIAL		NEXT HIGHER ASSY.		A	
FINISH		SCALE		D I C	
		SHEET 1 OF 2		H761-0-8	

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RTN 1 THRU 4:
BUSSING BARS
MOUNTED ON
TERMINAL BLOCK

#14 AWG

#18 AWG BLK

HEAT SINK ASSY #1 (7009404)
MATE N LOKS -2.0A,B

HEAT SINK ASSY #2 (7009404)
MATE N LOKS -2.0C,D

HEAT SINK ASSY #3 (7009405)
MATE N LOKS -5.2A,B,C,D

HEAT SINK ASSY #4 (7009405)
MATE N LOKS -5.2E,F,H,J

HEAT SINK ASSY #5 (7009405)
MATE N LOKS -5.2K,L

#18 AWG

CONTROL
LOGIC

SCR GATE
TO ALL SUPPLIES
#18 AWG

DRIVE
TO ALL SUPPLIES
#18 AWG

SENSE
#18 AWG TWP
(M905 LOGIC SLOT B04)

OPEN SENSE
#18 AWG TWP
(M905 LOGIC SLOT B03)

OPEN SENSE
#18 AWG TWP

TB1	PI-K2	1	-	-5.2K
	PI-K1	2	+	-5.2L
	PI-L2	3	-	-5.2L
	PI-L1	4	+	-5.2L

TB2	PI-A2	1	-	-5.2A
	PI-A1	2	+	-5.2A
	PI-B2	3	-	-5.2B
	PI-B1	4	+	-5.2B
	PI-C2	5	-	-5.2C
	PI-C1	6	+	-5.2C
	PI-D2	7	-	-5.2D
	PI-D1	8	+	-5.2D

TB3	PI-E2	1	-	-5.2E
	PI-E1	2	+	-5.2E
	PI-F2	3	-	-5.2F
	PI-F1	4	+	-5.2F
	PI-H2	5	-	-5.2H
	PI-H1	6	+	-5.2H
	PI-J2	7	-	-5.2J
	PI-J1	8	+	-5.2J

TB4	PI-M2	1	-	-2.0A
	PI-M1	2	+	-2.0A
	PI-N2	3	-	-2.0B
	PI-N1	4	+	-2.0B
	PI-P2	5	-	-2.0C
	PI-P1	6	+	-2.0C
	PI-R2	7	-	-2.0D
	PI-R1	8	+	-2.0D

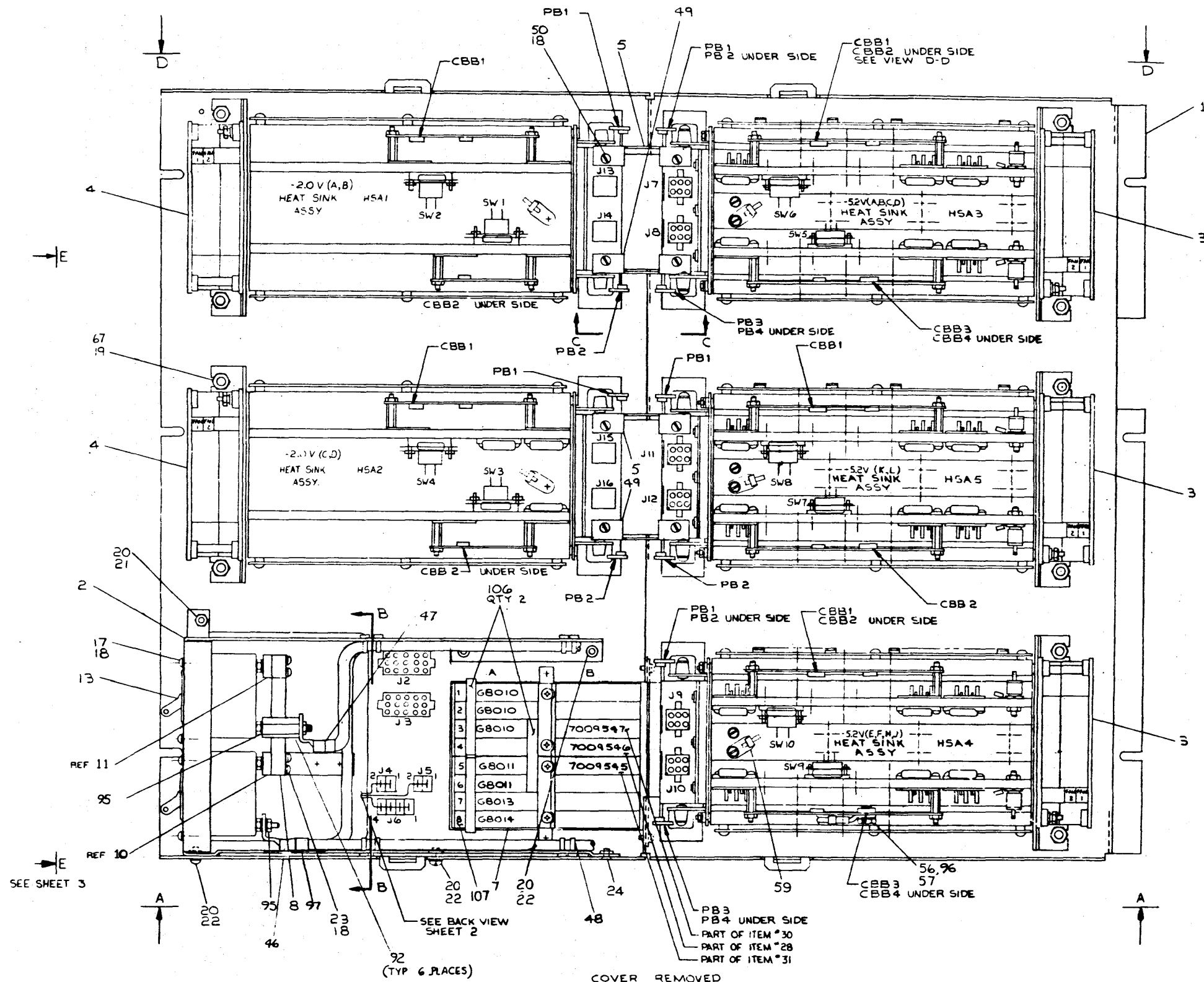
CHK	CHANGE NO	REV

TITLE	H761 (CONTROL)	SIZE	CODE	NUMBER	REV
WIRING DIAGRAM	D IC	H761-0-8	A		
SCALE	SHEET 2 OF 2	DIST.			

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DO NOT SCALE DRAWING

NOTES:
1. USE TIE WRAPS (ITEM #36) ACCORDING TO DEC STANDARD 116.
2. COLOR DOT ON THERMOSTAT MATCHES COLOR OF POWER WIRING TO REGULATOR. (GREEN FOR -2.0V BLUE FOR -5.0V)



QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	GB010	7009547	1
1	GB010	7009548	2
1	GB010	7009545	3
1	GB011		4
1	GB013		5
1	GB014		6
1	7009547		7
1	7009548		8
1	7009545		9
1	7009546		10
1	7009547		11
1	7009548		12
1	7009545		13
1	7009546		14
1	7009547		15
1	7009548		16
1	7009545		17
1	7009546		18
1	7009547		19
1	7009548		20
1	7009545		21
1	7009546		22
1	7009547		23
1	7009548		24
1	7009545		25
1	7009546		26
1	7009547		27
1	7009548		28
1	7009545		29
1	7009546		30
1	7009547		31
1	7009548		32
1	7009545		33
1	7009546		34
1	7009547		35
1	7009548		36
1	7009545		37
1	7009546		38
1	7009547		39
1	7009548		40
1	7009545		41
1	7009546		42
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1	7009547		91
1	7009548		92
1	7009545		93
1	7009546		94
1	7009547		95
1	7009548		96
1	7009545		97
1	7009546		98
1	7009547		99
1	7009548		100

FIRST USED ON 07-01-60		QTY.	DESCRIPTION	PART NO.	ITEM NO.
KL10					
DIGITAL					
REGULATED POWER SUPPLY					
SEE PARTS LIST					
D-1A-KL10-0-0					
E-1A H761-0-0					
MR					

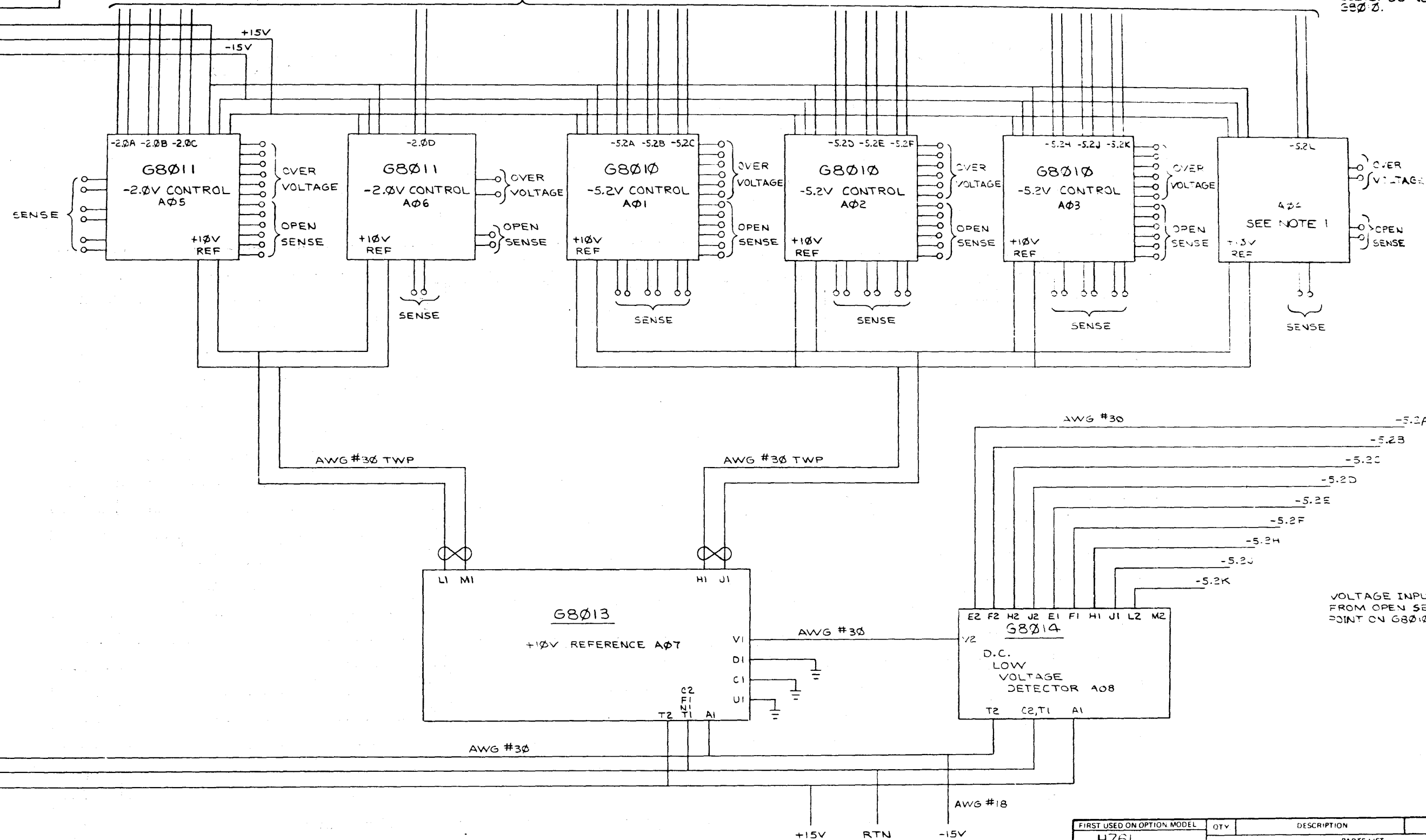
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WIRE TABLE									
ITEM NO.	DESCRIPTION			FROM			TO		
	AWG	COLOR	POINT	CONNECTION	WITH	POINT	CONNECTION	WITH	REMARKS
104	18	WHT	1	HARNESS	SOLD		CBI-5		TWP
	TWP	RED	2		SOLD		CBI-3		
		RED	3						
		BLK	4		J1-3		CHASSIS		TWP
		WHT	5		J1-2		ITEM #1		TWP
		YEL	6		J1-1				
		YEL	7						
		YEL	8				SW4-1		TWP
		BLK	9						
		BLK	10				SW4-2		TWP
		YEL	11						
		YEL	12				SW3-1		
		BLK	13						
		BLK	14				SW3-2		TWP
		BLK	15				SW2-2		
		YEL	16				SW2-1		TWP
		YEL	17						
		YEL	18				SW1-1		TWP
		BLK	19						
		BLK	20				SW1-2		TWP
		YEL	21						
		YEL	22				SW5-1		TWP
		ELK	23						
		BLK	24				SW5-2		TWP
		YEL	25						
		YEL	26				SW6-1		TWP
		BLK	27						
		BLK	28				SW6-2		TWP
		YEL	29						
		YEL	30				SW7-1		TWP
		BLK	31						
		BLK	32				SW7-2		TWP
		YEL	33						
		YEL	34				SW8-1		TWP
		BLK	35						
		BLK	36				SW8-2		TWP
		YEL	37						
		YEL	38				SW9-1		TWP
		BLK	39						
		BLK	40				SW9-2		TWP
		YEL	41						
		YEL	42				SW10-1		TWP
18	BLK	43							
104	TWP	BLK	44	HARNESS			SW10-2		TWP

REVISIONS		
NO.	DESCRIPTION	REV.

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS					QUANTITY / VARIATION																			
PARTS LIST																								
MADE BY K. GAMACHE		CHECKED		SECTION																				
DATE		DATE																						
ENG <i>[Signature]</i>		PROD		ISSUED SECT.																				
DATE 11/17/74		DATE <i>[Signature]</i> 11-19-74																						
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION																						
89	5308943-15	12 POINT DECALS (NUMBERS)		1																				
90	5308943-17	12 POINT DECALS (NUMBERS)		1																				
91	5308943-19	12 POINT DECALS (NUMBERS)		1																				
92	9008841-01	STANDOFF		6																				
93	9008151	WASHER, EXT. TOOTH LKG #8		1																				
94	9008881	TAPE, FOAM		A/R																				
95	9006635	WASHER, INT. TOOTH LKG #10		13																				
96	9006637	WASHER, INT. TOOTH LKG #12		28																				
97	9009507	VINYL ELECT. TAPE		A/R																				
98	9007036	GROMMET		A/R																				
99	9007250	TUBING SHRINKABLE		A/R																				
100	A-WL-H761-0-10	H761 SPECIAL GND WIRES		REF																				
101	A-PS-3613819-0-0	CIRCUIT BREAKER DESIGNATIONS CB1-CB8		1																				
102	A-PS-3613819-0-1	CIRCUIT BREAKER DESIGNATIONS CB9-CB14		1																				
103	A-PS-3613819-0-2	PLUG DESIGNATIONS J1-J8		1																				
104	7015218	HARNESS, THERMOSTAT, H761		1																				
105	9007036	GROMMET		A/R																				
106	1209856-03	MODULE CLIP		2																				
107	7018177	ASSY, MODULE CLIP		1																				
TITLE		ASSY NO.		SIZE	CODE	NUMBER				REV	ECO NO.													
REGULATED POWER SUPPLY		E-UA-H761-0-0		A	PL	H761-0-0				J														
		SHEET 5 OF 5		DIST.																				

1 WIRING TO A24 FOR SPARE
68010. DO NOT PLUG IN
68010.



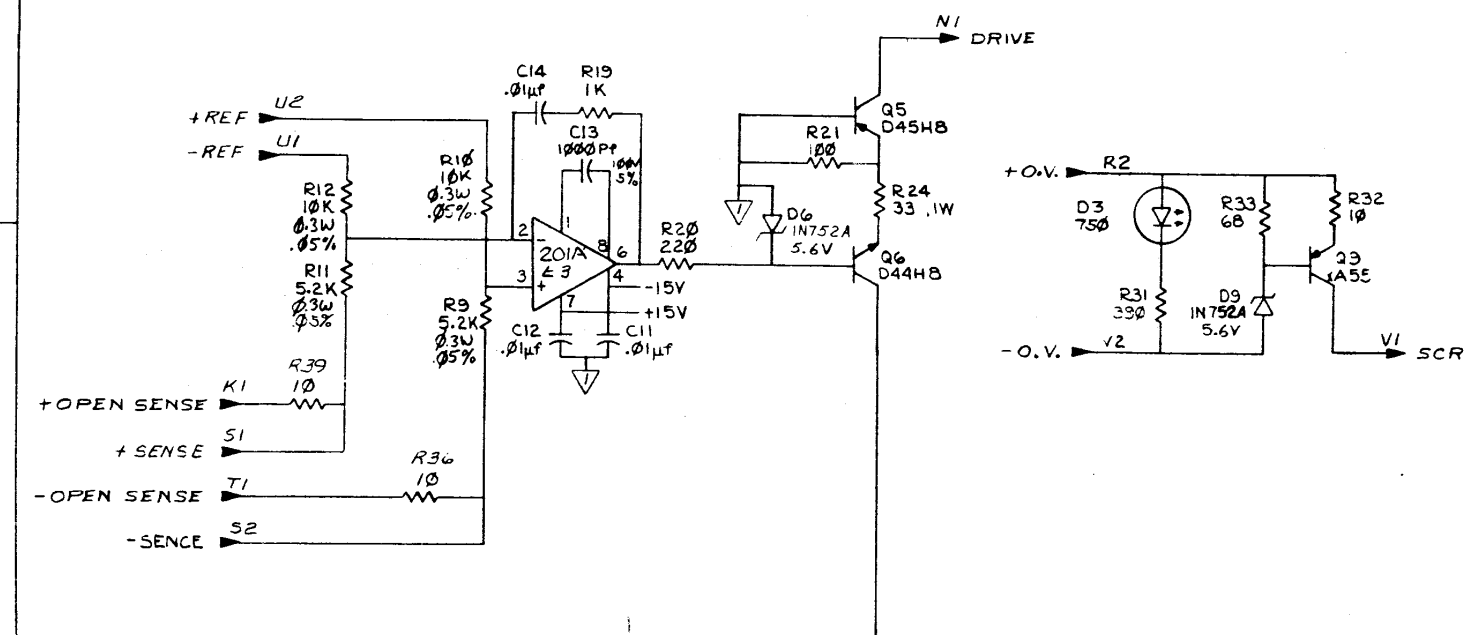
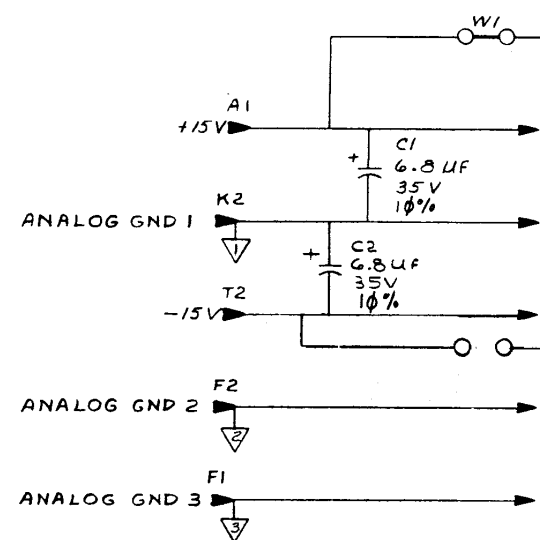
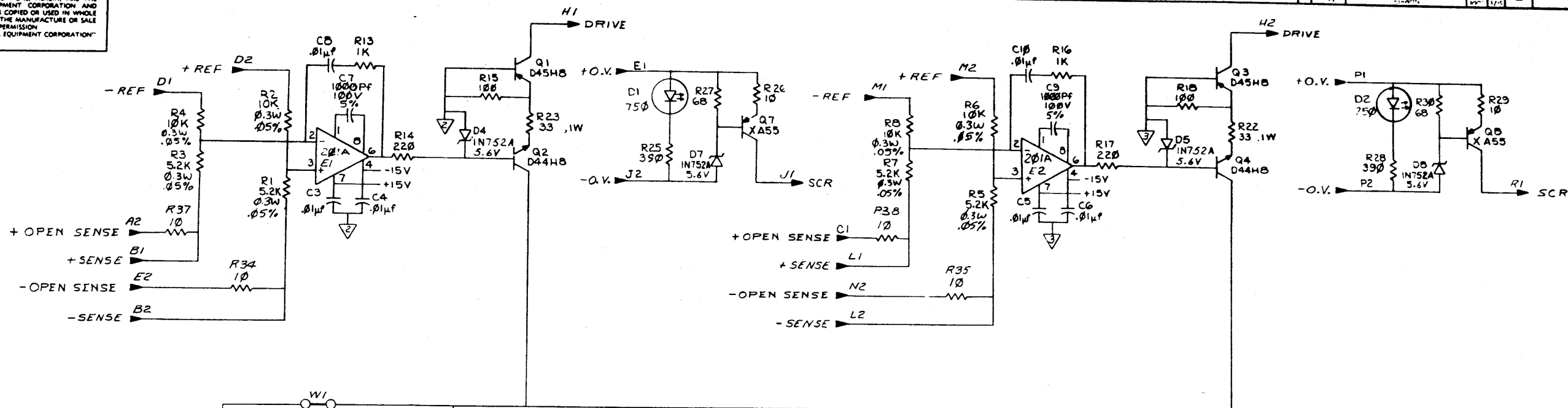
VOLTAGE INPUTS TO G804
FROM OPEN SENSE
POINT ON G8010

FIRST USED ON OPTION MODEL		QTY	DESCRIPTION		PART NO.		PARTS LIST	ITEM NO.	
H761									
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		DWN. <i>J. Dardjian</i>		DATE <i>6/28/78</i>	digital EQUIPMENT CORPORATION WATFORD, MASSACHUSETTS				
TOLERANCES		CHINA <i>M. S. Fattouh</i>		DATE <i>4/18/78</i>					
DECIMALS	ANGLES	ENG. <i>from plan</i>		DATE <i>7/1/78</i>					
xxx + .005	-0 30'	PROJ. ENG. <i>H. S. Fattouh</i>		DATE <i>4/1/78</i>					
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY 1		PRD. <i>P. Bayak</i>		DATE <i>8-2-78</i>	TITLE CONTROL LOGIC				
MATERIAL		NEXT HIGHER ASSY.							
+ +		+ +							
FINISH		SCALE + +		SIZE CODE		NUMBER		REV	
+ +		SHEET 1 OF 1		D I C		H761-0-1		A	
				DIST					

REVISIONS		
CHK	CHANGE NO	REV
AK	H761 - 00001	A
B. Brown 7-8-75		
J. DREW		
VP President 7-25-75		

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1-0-01089530 2



NOTES: 1. UNLESS OTHERWISE SPECIFIED:
A. RESISTORS ARE 1/4W 5% RESISTANCE IN OHMS.
B. CAPACITORS ARE 50V, ±20%

REVISIONS		
CHK	CHANGE NO.	REV
✓	G8010-00001	B
✓	G8010-00003	C
✓	J. DREW	22 Nov 76
✓	J. DREW	1 Dec 76

DRN. B. BALENTINE	DATE 8-5-73
CHKD. F. CANBERRY	DATE 9-20-73
ENG. J. DREW	DATE 7-17-74
PROJ. ENG. J. DREW	DATE 7-17-74
✓	DATE 7-17-74

-5.2 VOLT CONTROL

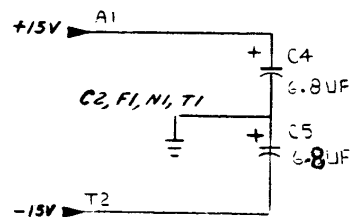
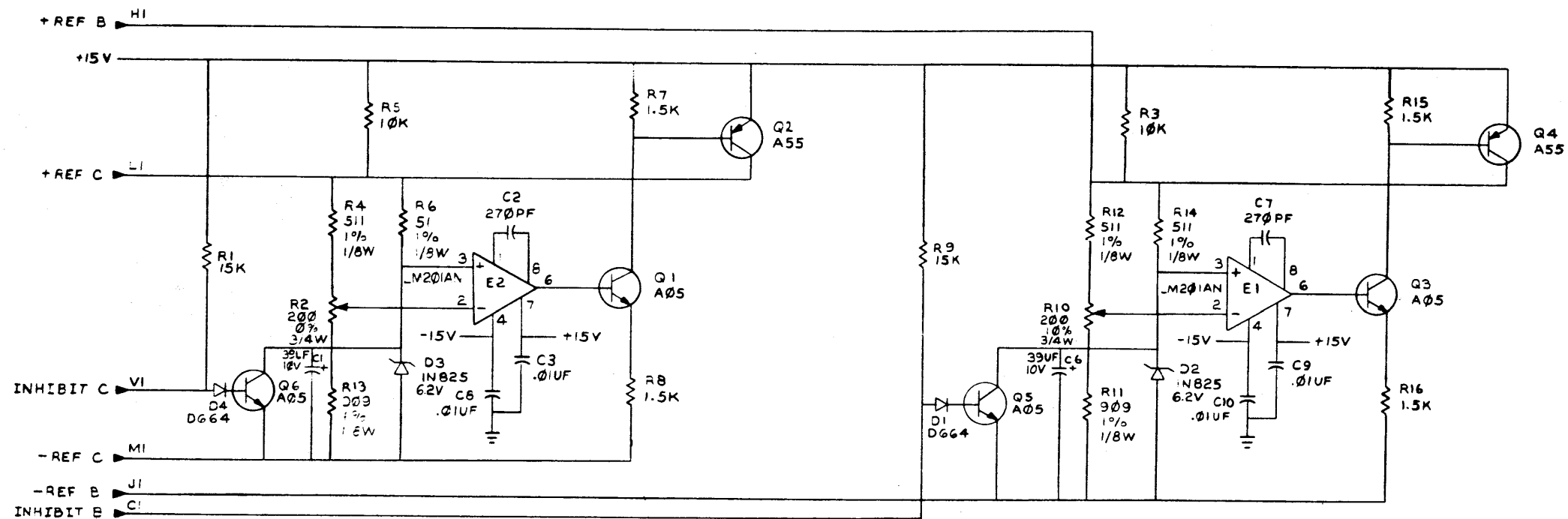
FIRST USED ON OPTION MODEL KL10	
NEXT HIGHER ASSEMBLY SIZE CODE	NUMBER
DCS G8010-0-1	C
DIST.	

SHEET 1 OF 1

NOTES: 1. UNLESS OTHERWISE SPECIFIED:
A. RESISTANCE IS IN OHMS
B. ALL RESISTORS ARE 1/4 W, $\pm 5\%$
C. ALL CAPACITORS ARE 50V $\pm 20\%$

FIRST USED ON OPTIM MODEL		KL10	
NEXT HIGHER ASSEMBLY			
SIZE	CODE	NUMBER	REV
D	CS	G8011-0-1	C
DIST			

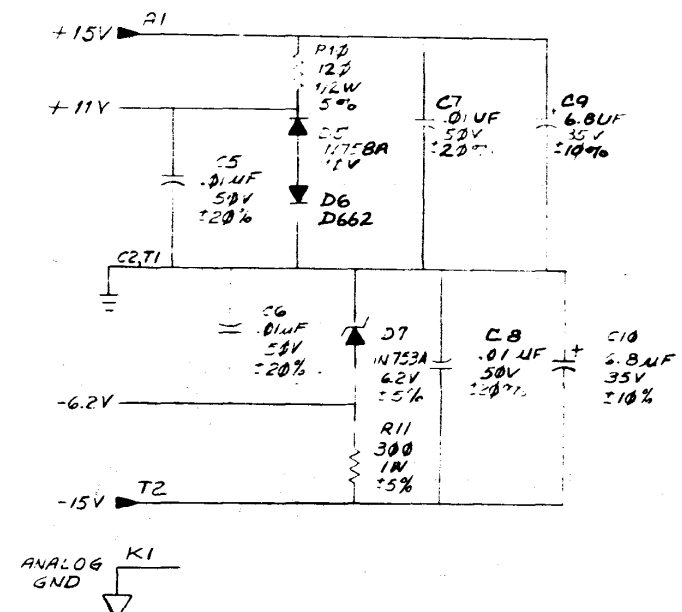
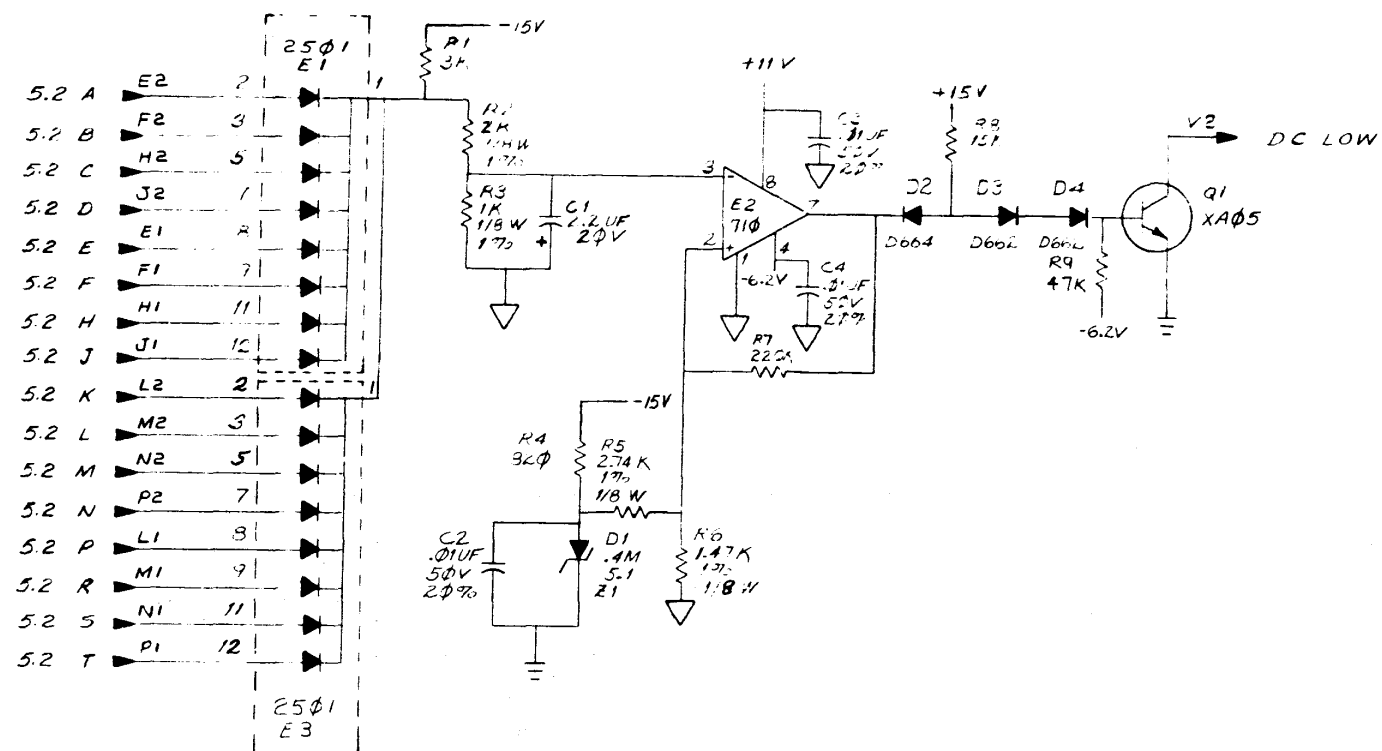
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REVISIONS		
CHK	CHANGE NO	REV
1	68013-00001	B
J DREW		

DRN		DATE		CHK'D		DATE		ENG		DATE		PROJ ENG		DATE		PROD		DATE	
H.DENSMORE		4-10-75		J. M. J.		9-25-75		J. M. J.		4-10-75		J. M. J.		4-10-75		4-10-75		4-10-75	
				TITLE				+10V REFERENCE				SIZE CODE		NUMBER				REV	
												D CS		G8013-0-1				8	
				SCALE				SHEET				L OF 1				DIST.			

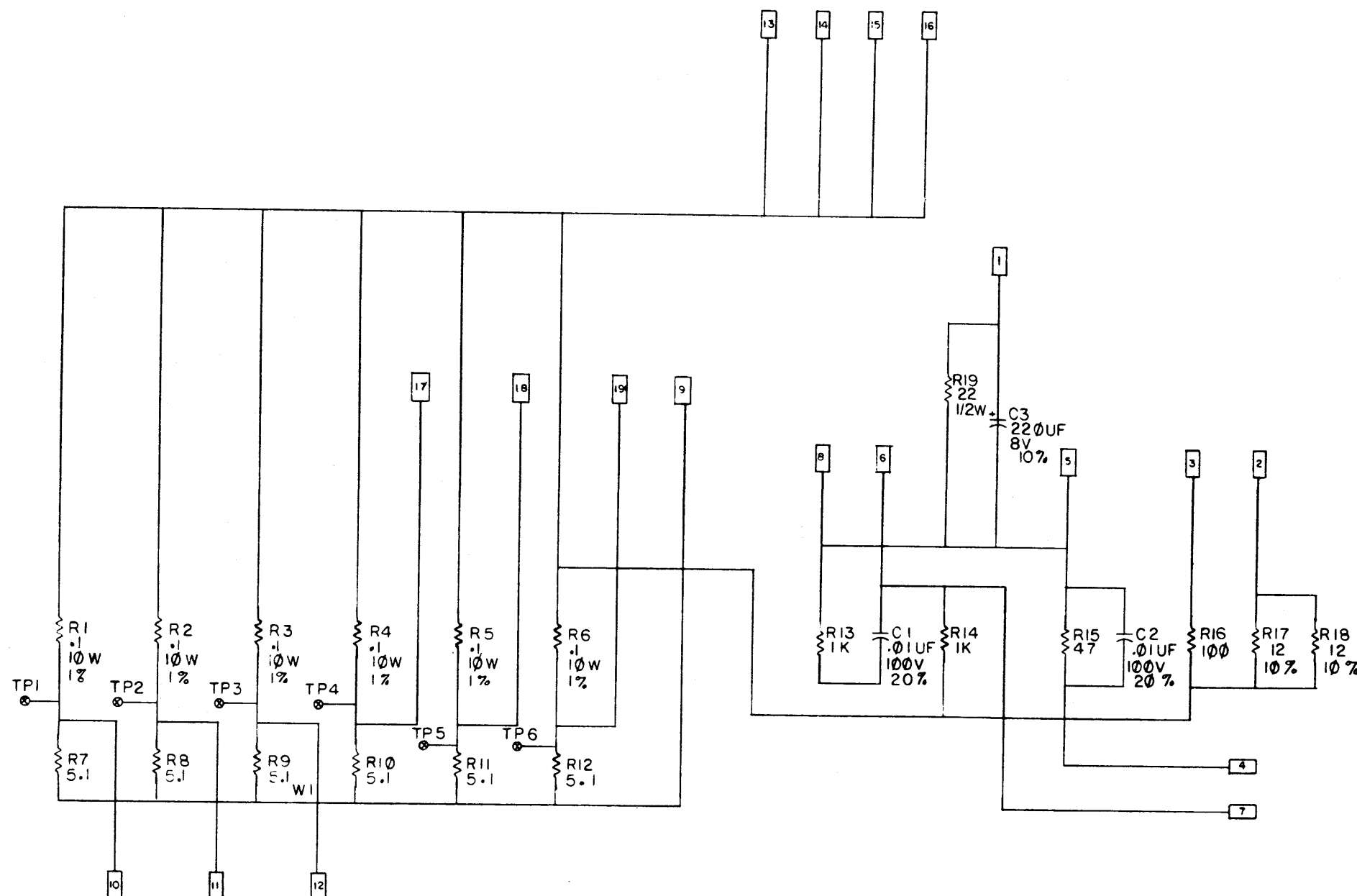
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REVISIONS		
CHK	CHANGE NO	REV
J. DREW	1	B
J. DREW	2	B

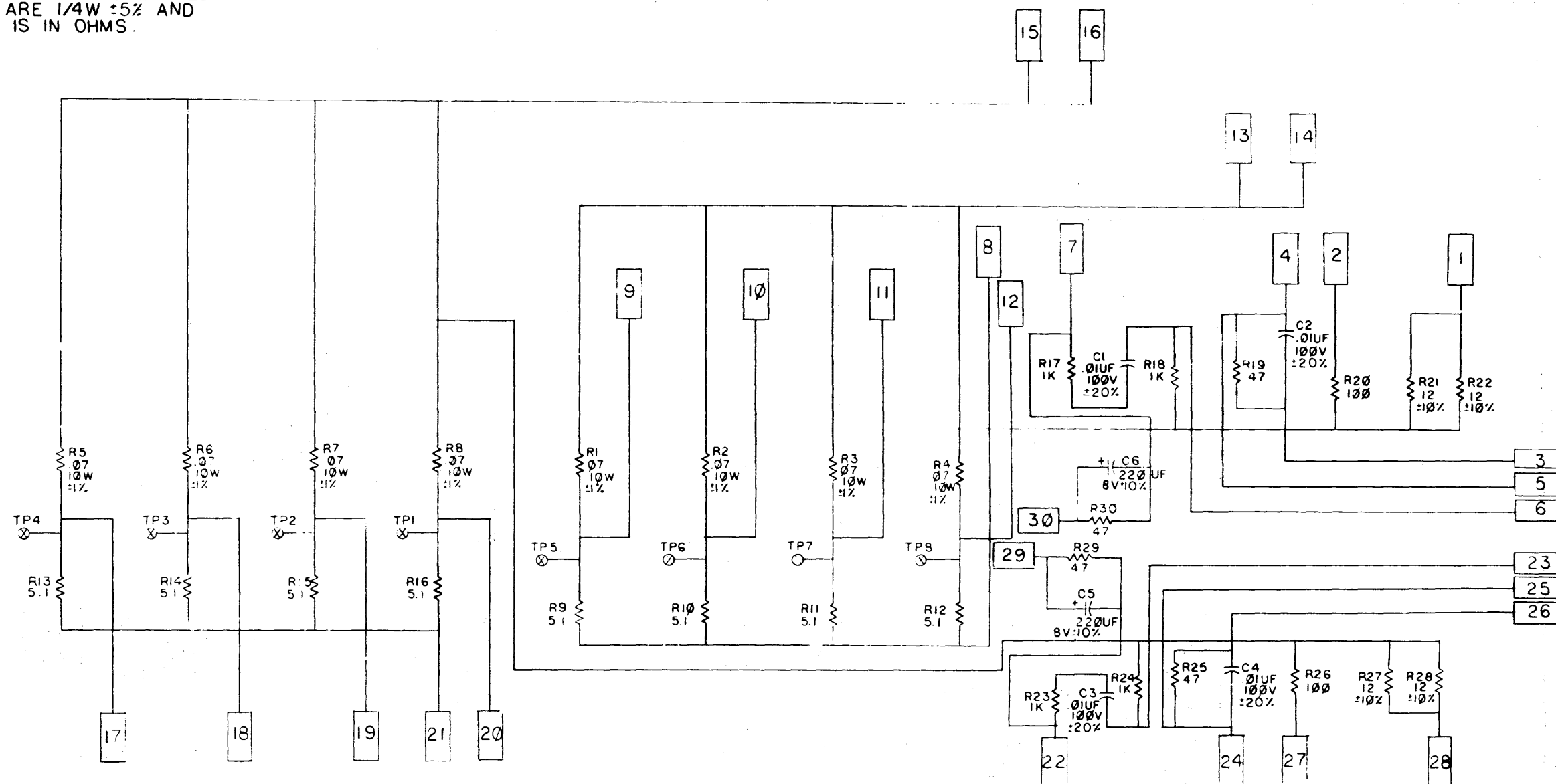
DRN. B. NICHOL	DATE 7-23-75	ENG. JIM DREW
CHK. J. DREW	DATE 10/2/75	EXT. HIGHER ASSY. B-00 68014-0-1
TITLE LOW VOLTAGE DETECTOR	SIZE CODE DCS	NUMBER 68014-0-1
SCALE 1/1	SHEET 1 OF 1	REV B

1 UNLESS OTHERWISE SPECIFIED:
A RESISTANCE IS IN OHMS, ALL RESISTORS ARE $\frac{1}{4}W \pm 5\%$

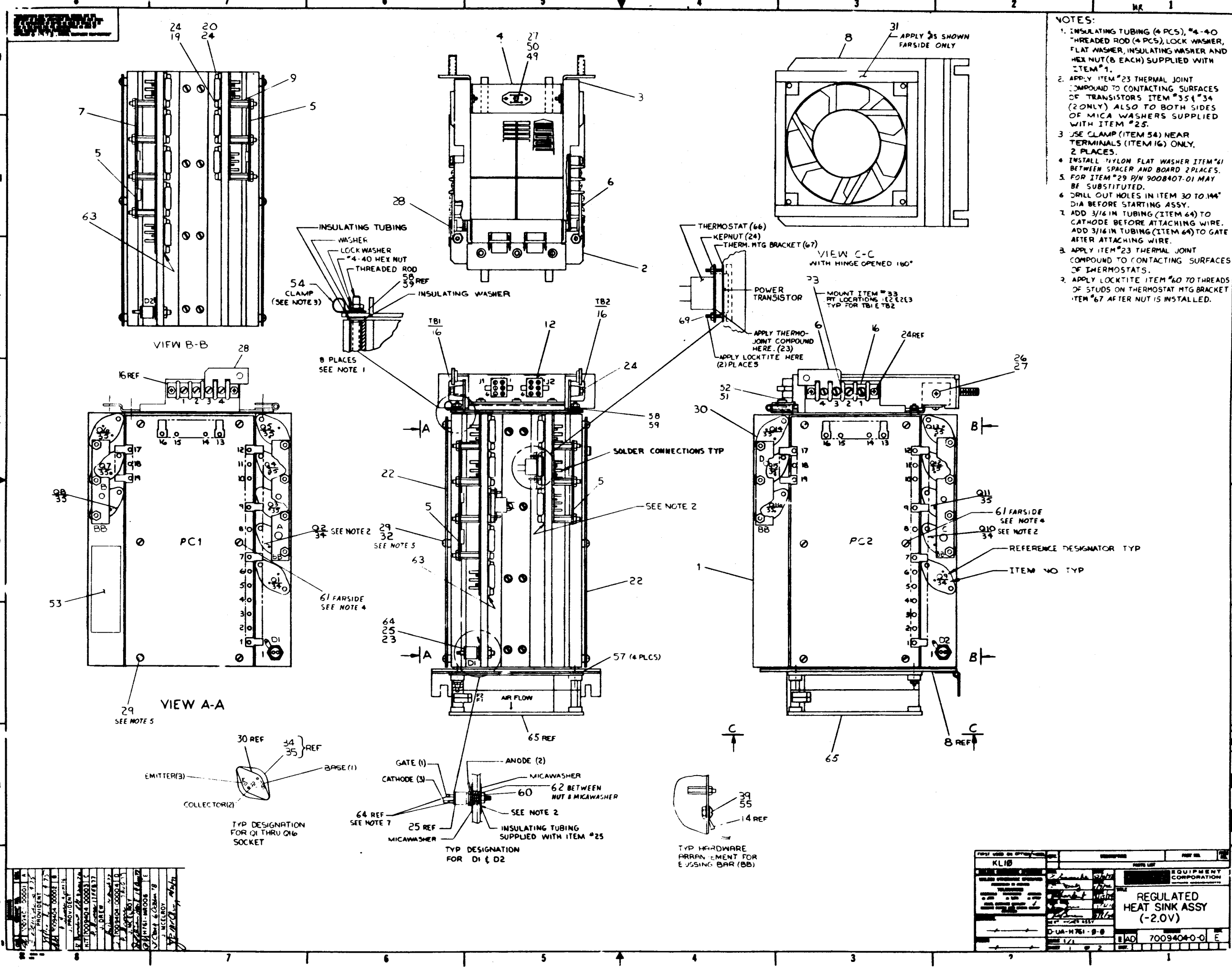
[illegible]

QTY		REF. DESIGNATION		DESCRIPTION		PART NO.		ITEM NO.	
FIRST USED ON OPTION MODEL				PARTS LIST					
H761				ETCH BOARD-REV					
1/10/75 JIM DREW 5410663-00001 ORIGINALTED CHW CHANGE NO. REV REVISIONS				DRAWN 1/10/75 CHECKED 1/10/75 ENG. 1/10/75 PROJ. ENG. 1/10/75 PROD. 1/10/75		DATE 1/10/75 DATE 1/10/75 DATE 1/10/75 DATE 1/10/75 DATE 1/10/75		digital TITLE SERIES PASS - 20V BOARD	
DEC NO.		EIA NO.		DEC NO.		EIA NO.		NEXT HIGHER ASSY	
								B-DD-5410663-0	
SCALE		SHEET		OF		SIZE CODE		NUMBER	
1		1		1		D CS		5410663-0-1	
DISC.								REV. B	
SEMICONDUCTOR CONVERSION CHART									

NOTES: UNLESS OTHERWISE SPECIFIED
RESISTORS ARE 1/4W $\pm 5\%$ AND
RESISTANCE IS IN OHMS.

[illegible]

QTY		REF. DESIGNATION		DESCRIPTION		PART NO.		ITE	
H761		ETCH BOARD REV.		PARTS LIST					
DWN.		DATE		digital TITLE -5.2V BOARD					
CHNGD.		DATE							
EXT.		DATE							
MOD. CHG.		DATE							
PROD.		DATE							
NEXT HIGHER ASSY				7009405		SIZE CODE		NUMBER	
DEC NO.		EIA NO.		DEC NO.		EIA NO.		REV.	
CHK		CHNGE NO.		REV.		D		CS	
SEMICONDUCTOR CONVERSION CHART				SHEET		OF		DST.	



- NOTES:
1. INSULATING TUBING (4 PCS), "4-40" THERMAL ROD (4 PCS), LOCK WASHER, FLAT WASHER, INSULATING WASHER AND HEX NUT (8 EACH) SUPPLIED WITH ITEM #1.
 2. APPLY ITEM #23 THERMAL JOINT COMPOUND TO CONTACTING SURFACES OF TRANSISTORS ITEM #35 & #34 (2 ONLY) ALSO TO BOTH SIDES OF MICA WASHERS SUPPLIED WITH ITEM #25.
 3. USE CLAMP (ITEM #54) NEAR TERMINALS (ITEM #16) ONLY, 2 PLACES.
 4. INSTALL NYLON FLAT WASHER ITEM #61 BETWEEN SPACER AND BOARD 2 PLACES.
 5. FOR ITEM #29 P/N 9008407-01 MAY BE SUBSTITUTED.
 6. DRILL OUT HOLES IN ITEM #30 TO .144" DIA BEFORE STARTING ASSY.
 7. ADD 3/16 IN TUBING (ITEM #64) TO CATHODE BEFORE ATTACHING WIRE. ADD 3/16 IN TUBING (ITEM #64) TO GATE AFTER ATTACHING WIRE.
 8. APPLY ITEM #23 THERMAL JOINT COMPOUND TO CONTACTING SURFACES OF THERMOSTATS.
 9. APPLY LOCKTITE ITEM #60 TO THREADS OF STUDS ON THERMOSTAT MTG BRACKET ITEM #67 AFTER NUT IS INSTALLED.

1	INSULATING TUBING (4 PCS)	1
2	THERMAL JOINT COMPOUND	1
3	CLAMP (ITEM #54)	2
4	NYLON FLAT WASHER (ITEM #61)	2
5	POWER TRANSISTOR (ITEM #35 & #34)	2
6	THERMOSTAT (ITEM #66)	1
7	THERM. MTG BRACKET (ITEM #67)	1
8	KEYPIN (ITEM #24)	8
9	KEYPIN NUT (ITEM #24)	8
10	KEYPIN WASHER (ITEM #24)	8
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100	KEYPIN LOCK NUT (ITEM #24)	8

KL10	REGULATED HEAT SINK ASSY (-2.0V)
7009404-0-01	

WIRE TABLE										WIRE TABLE									
FROM										TO									
ITEM NO.	AWG.	COLOR	CONN	WITH	CONN	WITH	REMARKS	ITEM NO.	AWG.	COLOR	CONN	WITH	CONN	WITH	REMARKS				
40	14	GRN	PC1-2	37	Q1-3	SOLD		40	14	GRN	PC2-2	37	Q9-3	SOLD					
			PC1-3	37	Q2-3	SOLD					PC2-3	37	Q10-3	SOLD					
			Q3-1	SOLD	Q4-1	SOLD					Q11-1	SOLD	Q12-1	SOLD					
			Q5-1	SOLD	Q6-1	SOLD					Q13-1	SOLD	Q14-1	SOLD					
			Q7-1	SOLD	Q8-1	SOLD					Q15-1	SOLD	Q16-1	SOLD					
40	14	GRN	PC1-4	37	D1-1	SOLD		40	14	GRN	PC2-4	37	D2-1	SOLD					
46	18	BRN	PC1-5	37	J1-2	12		43	18	RED	PC2-5	37	J2-2	12					
40	14	GRN	PC1-6	37	D1-3	SOLD		40	14	GRN	PC2-6	37	D2-3	SOLD					
40	14	GRN	PC1-7	37	Q1-2	SOLD		40	14	GRN	PC2-7	37	Q9-2	SOLD					
41	18	GRN	PC1-8	37	Q2-1	SOLD		41	18	GRN	PC2-8	37	Q10-1	SOLD					
47	18	GRY/BRN	PC1-9	37	J1-1	12		42	18	GRY/RED	PC2-9	37	J2-1	12					
40	14	GRN	PC1-10	37	Q2-2	SOLD		40	14	GRN	PC2-10	37	Q10-2	SOLD					
			PC1-11	37	Q3-3						PC2-11	37	Q11-3						
			PC1-12	37	Q4-3						PC2-12	37	Q12-3						
			PC1-13	37	Q5-3						PC2-13	37	Q13-3						
			PC1-14	37	Q6-3						PC2-14	37	Q14-3						
			PC1-15	37	Q7-3						PC2-15	37	Q15-3						
			PC1-16	37	Q8-3	SOLD					PC2-16	37	Q16-3	SOLD					
			PC1-17	37	TB1-4	36					PC2-17	37	TB2-1	36					
			PC1-18	37	TB1-3						PC2-18	37	TB2-2						
			PC1-19	37	TB1-2						PC2-19	37	TB2-3						
40	14	GRN	PC1-20	37	TB1-1	36		40	14	GRN	PC2-20	37	TB2-4	36					
					SOLD						PC2-21	37	TB2-5						
44	14	BLK	PC1-1	56	D1-2	12		44	14	BLK	PC2-1	56	D2-2	SOLD					
					J1-3								T2-3	12					
45	10	RED	BB-A	14 39	BB-B	14 39													
45	10	RED	BB-C	14 39	BB-D	14 39													

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REV.	DATE	BY	CHKD.

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS						QUANTITY / VARIATION										
PARTS LIST																
MADE BY K. GAMACHE		CHECKED D. HEALY		SECTION												
DATE 12/21/73		DATE 1/2/74		1												
ENG JIM DREW		PROD R. O'BRIEN		ISSUED SECT.												
DATE 9/7/74		DATE 9/6/74		1												
ITEM NO	DWG NO. / PART NO.	DESCRIPTION														
REF	D-CS-H761-0-1	CIRCUIT SCHEMATIC H761				x										
1	1211480	HEAT SINK				1										
2	D-IA-7411262-0-0	MTG PLATE, HEAT SINK				1										
3	D-IA-7411000-0-0	SUPPORT, HEAT SINK				1										
4	C-IA-7410999-0-0	RET. BRKT., HEAT SINK				1										
5	C-IA-7411136-1-0	BUSSING STRIP NO. 1				2										
6	C-IA-7411137-1-0	BUSSING STRIP NO. 2				1										
7	C-IA-7411136-2-0	BUSSING STRIP NO. 1				2										
8	E-IA-7411001-0-0	BRACKET, FAN				1										
9	B-MD-7411295-0-0	STANDOFF BUSSING				14										
10	1209350-06	CONN., 6 SKT HOUSING				2										
11																
12	1209379-00	SOCKET, MAT-N-LOCK				6										
13	1210930-01	FAN, SUPER BOXER				1										
14	9007926-01	CONN. SOLDERLESS YEL #10				4										
15	9007031	CABLE TIE, 3-3/4 LG x 3/32 WIDE				6										
16	1203346	TERMINAL BLOCK 4 TERM				2										
17																
18																
19	9009648-8	SCR, SOCKET HD CAP #6-32 x 1.38				14										
20	9006331-8	SCR, SOCKET HD CAP #6-32 x .62				16										
21																

TITLE	ASSY NO.	SIZE CODE	NUMBER	REV.	ECO NO.
REGULATED HEAT SINK ASSY -2.0V	D-UA-7009404-0-0	A PL	7009404-0-0	E	H761-IMR006
SHEET 1 OF 4	DIST.				

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			QUANTITY / VARIATION														
PARTS LIST																	
MADE BY K. GAMACHE		CHECKED D. HEALY	SECTION 1														
DATE 12/21/73		DATE 1/2/74															
ENG		PROD	ISSUED SECT. 1														
DATE		DATE 9-6-74															
ITEM NO	DWG NO. / PART NO.	DESCRIPTION															
44	9107370-00	#14 AWG WIRE STRD INS (BLK)		3FT													
45	9107390-22	#10 AWG WIRE STRD INS RED		3FT													
46	9107360-11	#18 AWG WIRE STRD INS (BRN)		2FT													
47	9107410-81	#18 AWG WIRE STRD INS (GRY/BRN)		1FT													
48	9107430-29	#18 AWG WIRE STRD INS RED/WHI		1 FT													
49	9007775-00	BALL STUD #6-32		1													
50	9006020-1	SCR, PHL HD PAN #6-32 x .25		1													
51	9006037-1	SCR, PH HD PAN #8-32 x .38		3													
52	9006634	WASH, INT TOOTH #8		3													
53	9009255	LABEL, ADHESIVE BACK		1													
54	9007080	CLAMP, CABLE		2													
55	9006635	WASHER, LOCK # 10		4													
56	9007920-00	CONN, SOLDERLESS YEL # 10		2													
57	9006557	NUT KEPS # 4-40		4													
58	9007046	GROMMET		A/R													
59	9007594	ADHESIVE, HYBOND 80		A/R													
60	9009321	LOCKTITE		A/R													
61	9006707	WASHER, FLAT, NYLON #6		2													
62	9006669	WASHER, FLAT (.81 X .25 X .032) THK		2													
63	1213071-02	INSULATOR, THERMAL RUBBER		2													
64	9107714-00	TUBING SHRINKABLE		A/R													
65	1210930-02	FAN, 230V, 50HZ/60HZ		1													
TITLE		REGULATED HEAT SINK ASSY -2.0V		ASSY NO. D-UA-7009404-0-0		SIZE CODE A PL		NUMBER 7009404-0-0		REV E		ECO NO					
		SHEET 3 OF 4		DIST													

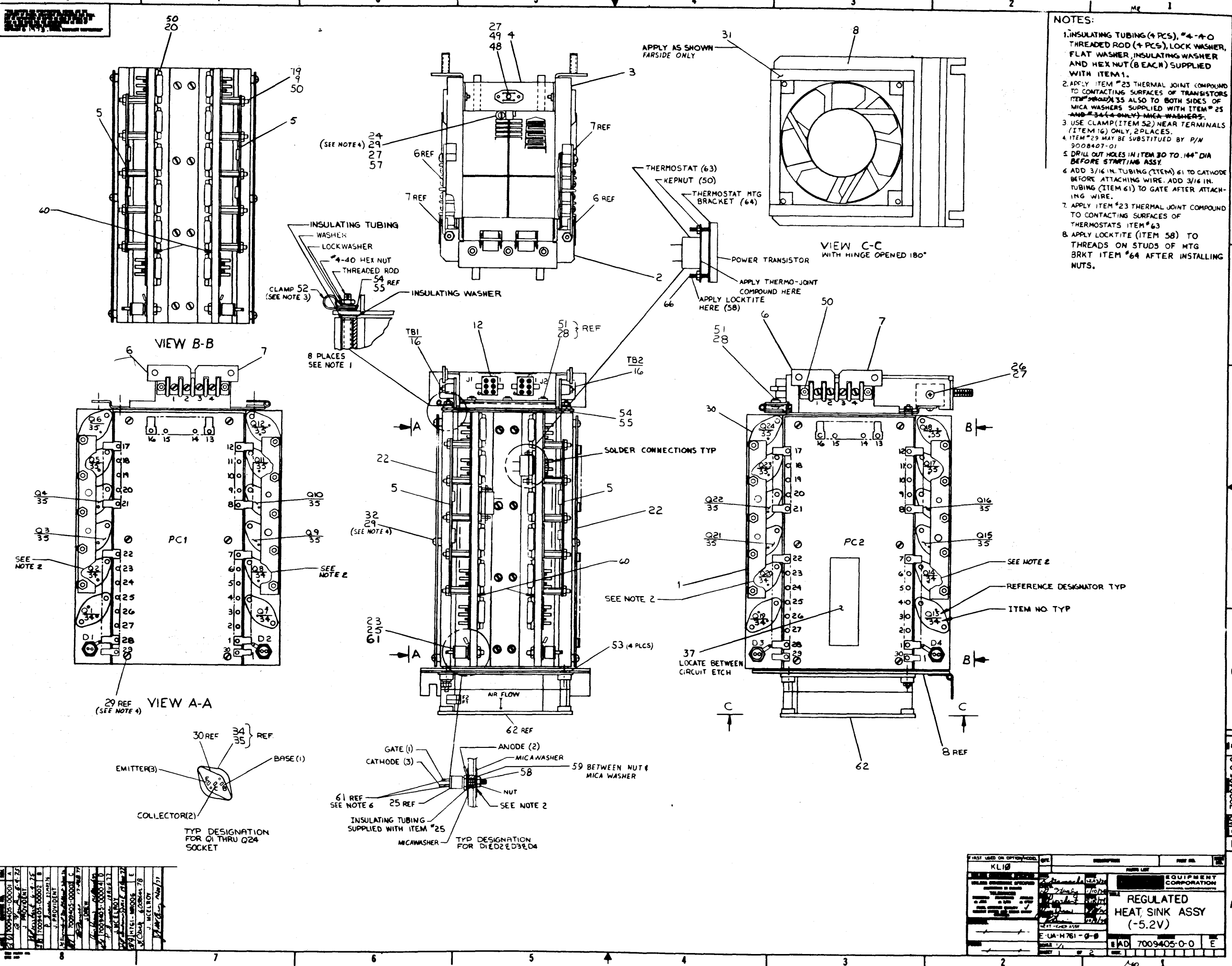
DEC FORM DEC 16-(325)-1031 N870
DRA 110

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS						QUANTITY / VARIATION														
PARTS LIST																				
MADE BY K. GAMACHE		CHECKED D. HEALY		SECTION																
DATE 12/21/73		DATE 1/2/74		1																
ENG [Signature]		PROD [Signature]		ISSUED SECT.																
DATE 9-6-74				1																
ITEM NO	DWG NO. / PART NO.	DESCRIPTION																		
22	D-CS-5410663-0-1	-2.0V BOARD				2														
23	9008268	COMPOUND THERMAL JOINT				10E														
24	9008185	NUT, KEPS #6-32, .25 A.F.X.12 THK				40														
25	1111481	RECTIFIER				2														
26	9006021-1	SCR. PHL PAN HD #6-32 x .31				2														
27	9006633	WASHER, LOCK INT. TOOTH #6				3E														
28	C-IA-7411137-2-0	BUSSING STRIP #2				1														
29	9008201-1	SCR. SLOT. HD PAN SH. METAL #6 x .38				12														
30	1210130	SOCKET, TRANSISTOR				16														
31	9008274	TAPE, POLY.ADH.BACK .38W X .03 THK				A/R														
32	9009283	SPACER, .25 A.F. x .12 LG x #6 HOLE				12														
33	9009002	JUMPER				4														
34	1503068	TRANSISTOR, DEC 3715				4														
35	1509730	TRANSISTOR, 2N5301				12														
36	9007928-0	CONN. SOLDERLESS BLUE #14				8														
37	9007969	CONN. SOLDERLESS BLUE #14				36														
38	9007970	CONN. SOLDERLESS RED #18				2														
39	9006070-1	SCR. PHL PAN HD #10-32 x .31				4														
40	9107370-55	#14 AWG WIRE STRD INS (GREEN)				13 FT														
41	9107360-55	#18 AWG WIRE STRD INS (GREEN)				1 FT														
42	9107410-82	#18 AWG WIRE STRD INS GRAY/RED				2 FT														
43	9107360-22	#18 AWG WIRE STRD INS RED				2 FT														
TITLE		ASSY NO.		SIZE CODE		NUMBER		REV		ECO NO										
REGULATED HEAT SINK ASSY -2.0V		D-UA-7009404-0-0		A PL		7009404-0-0		E												
		SHEET 2 OF 4		DIST																

DEC FORM DFC 16 (325)-1031 N870
DRAWING

MR

[illegible]



DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY K. GAMACHE
DATE 12/13/73
ENG J. DREW
DATE 9/19/74

CHECKED D. HEALY
DATE 1/7/74
PROD R. O'BRIEN
DATE 10/9/74

SECTION 1
ISSUED SECT. 1

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION
REF	D-CS-H761-Ø-1	CIRCUIT SCHEMATIC H761
1	1211480	HEAT SINK
2	D-IA-7411262-0-0	MTG. PLATE, HEAT SINK
3	D-IA-7411000-0-0	SUPPORT, HEAT SINK
4	C-IA-7410999-0-0	RET. BRKT., HEAT SINK
5	C-IA-7411136-3-0	BUSSING STRIP NO. 1
6	C-IA-7411137-1-0	BUSSING STRIP NO. 2
7	C-IA-7411137-2-0	BUSSING STRIP NO. 2
8	E-IA-7411001-0-0	BRACKET, FAN
9	B-MD-7411295-0-0	STANDOFF, BUSSING
10	1209350-06	CONN., 5 SKT HOUSING
11		
12	1209379-02	SOCKET, MAT-N-LOCK
13	1210930-01	PAN, SUPER BOXER
14	9007926-01	CONN. CRIMP SOLDERLESS YEL #10
15	9007031	CABLE TIE 3.75 LG x .09 WIDE
16	1203346	TERM BLOCK, 4 TERM
17		
18		
19	9009648-8	SCR, SOCKET HD CAP #6-32 x 1.38
20	9006331-8	SCR, SOCKET HD CAP #6-32 x .62
21		

TITLE REGULATED HEAT SINK ASSY
-5.2V

ASSY NO.
D-UA-7009405-0-0

SIZE CODE
A PL

SHEET 1 OF 4

NUMBER
7009405-0-0

REV.
E

ECO NO.
H761-
MK006

QUANTITY / VARIATION

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY K. GAMACHE
DATE 12/13/73
ENG J. DREW
DATE 9/19/74

CHECKED D. HEALY
DATE 1/7/74
PROD R. O'BRIEN
DATE 10/9/74

SECTION 1
ISSUED SECT. 1

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION
22	D-CS-5410665-0-0	-5.2V BOARD
23	9008268	COMPOUND THERMAL JOINT
24	9007081	CABLE CLAMP .25 I.D.
25	1111481	RECTIFIER
26	9006021-1	SCR. PHL PAN HD #6-32 x .31
27	9006633	WASHER, LOCK INT. TOOTH #6
28	9006037-1	SCR PHL HD PAN #8-32 x .38
29	9008201-1	SCR. SLOT. HD PAN, SH METAL #6 x .38
30	1210130	SOCKET, TRANSISTOR
31	9008274	TAPE, POLY. ADH. BACK .38W x .38 THK
32	9009283	SPACER, .25 A.F.X.12 LG X #6 HOLE
33	9007920-00	CONN. SOLDERLESS YEL #10
34	1503068	TRANSISTOR DEC 3715
35	1509730	TRANSISTOR, DEC 5301
36	9007969	CONN. SOLDERLESS BLU #14
37	9009255	LABEL, ADHESIVE BACK
38	9107370-88	#14 AWG WIRE STRD INS. (GRY)
39	9107370-55	#14 AWG WIRE STRD INS. (GRN)
40	9107370-00	#14 AWG WIRE STRD INS. (BLK)
41	9107360-88	#18 AWG WIRE STRD INS. (GRY)
42	9107360-77	#18 AWG WIRE STRD INS. (VIO)
43	9107360-55	#18 AWG WIRE STRD INS. (GRN)

TITLE REGULATED HEAT SINK ASSY
-5.2V

ASSY NO.
D-UA-7009405-0-0

SIZE CODE
A PL

SHEET 2 OF 4

NUMBER
7009405-0-0

REV.
E

ECO NO.

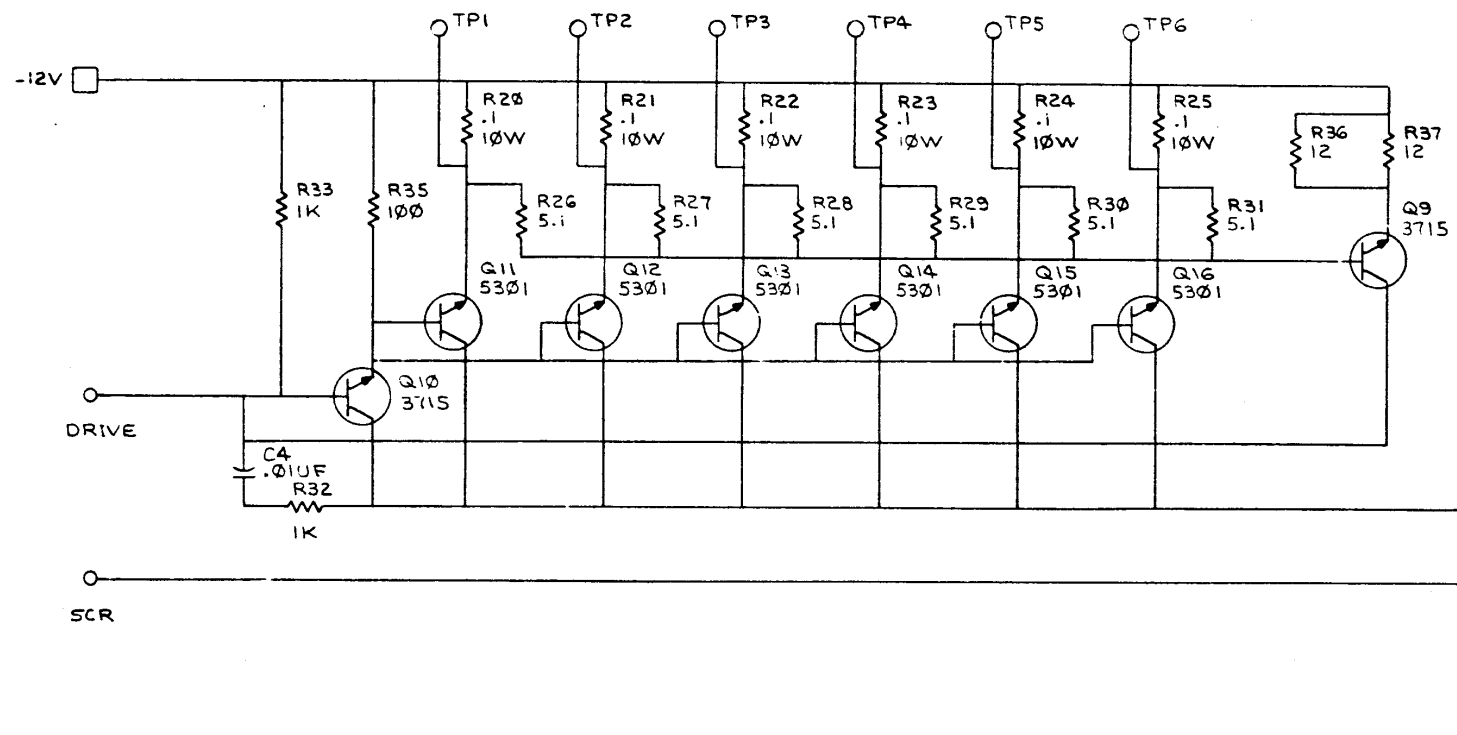
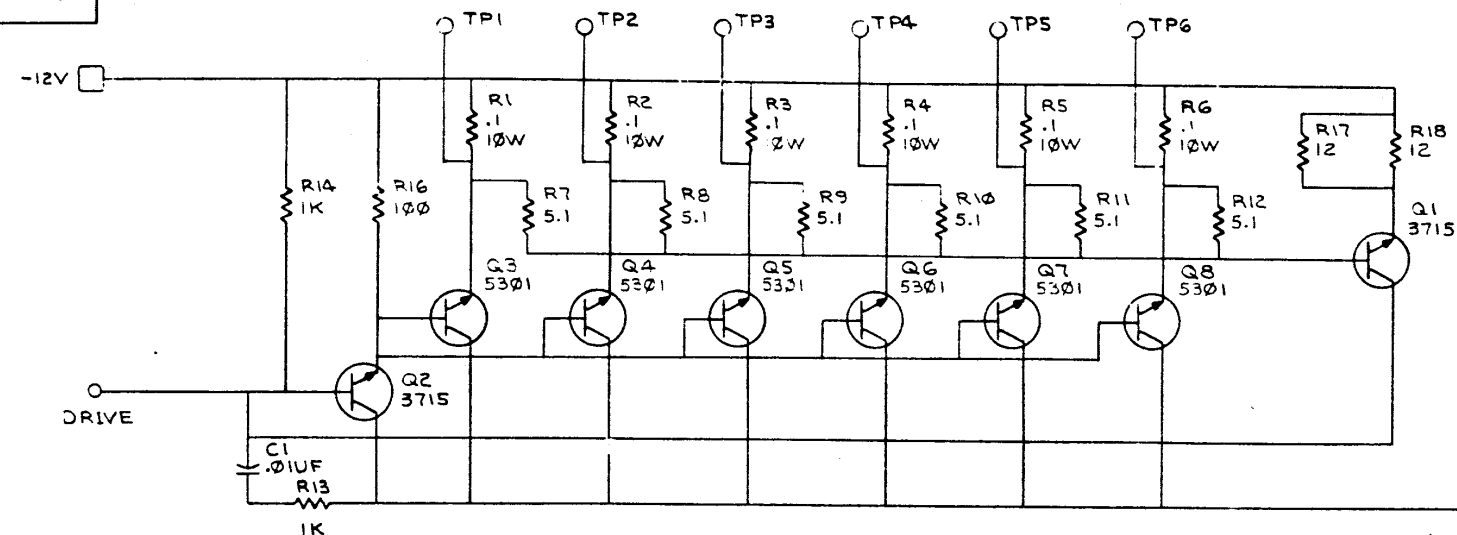
QUANTITY / VARIATION

MR

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NOTES:

1. ALL RESISTORS 1/4W 5% UNLESS OTHERWISE STATED.
2. ALL RESISTORS IN OHMS UNLESS OTHERWISE STATED.
3. SYMBOL -  INDICATES NO. 8 AWG CONNECTION.
4. OUTPUT OF EACH REGULATOR IS -2.0V MEASURED FROM -V.O. TO RTN. (SEE D-IC-H761-0-9).



FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.	
KL10						
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		PARTS LIST				
TOLERANCES		DRN.	DATE			
DECIMALS		CHKD.	DATE			
ANGLES		ENG.	DATE			
.005		PROJ. ENG.	DATE			
.02		PROD.	DATE			
.1						
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY					TITLE - 2.0 V HEAT SINK ASSY	
MATERIAL		NEXT HIGHER ASSY.				
FINISH		SCALE				
+		H761			SIZE CODE	
		SHEET 1 OF 1			NUMBER	
					REV.	
					D CS 7009404-0-1	

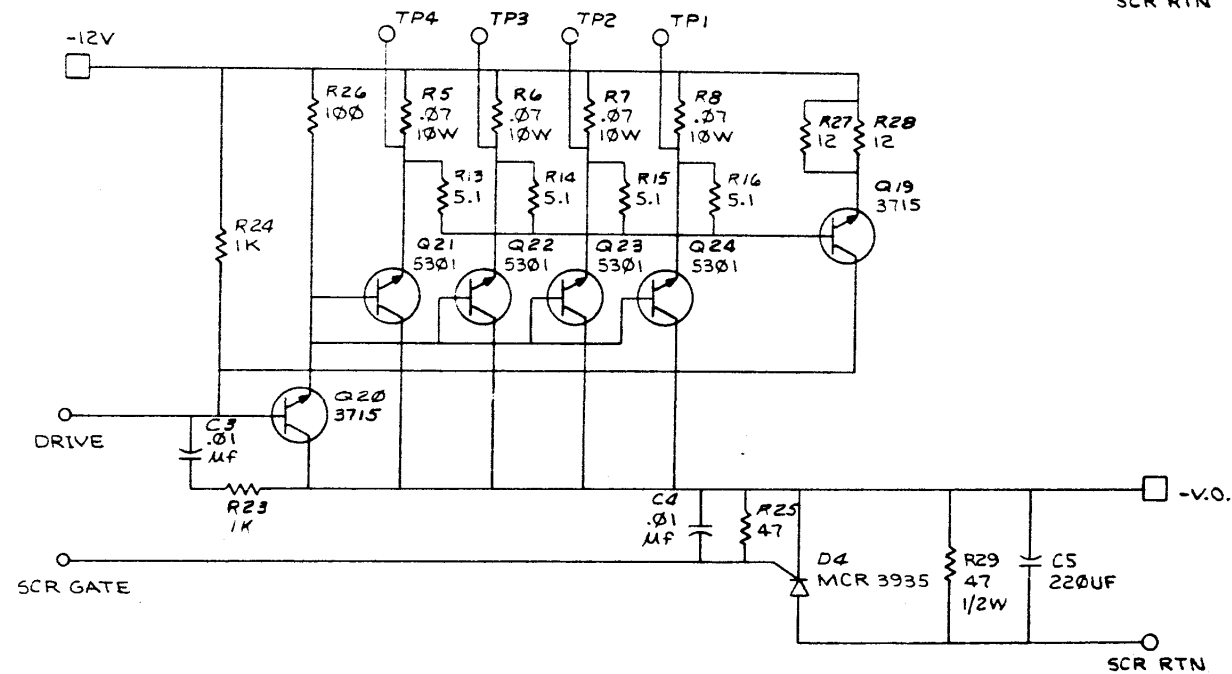
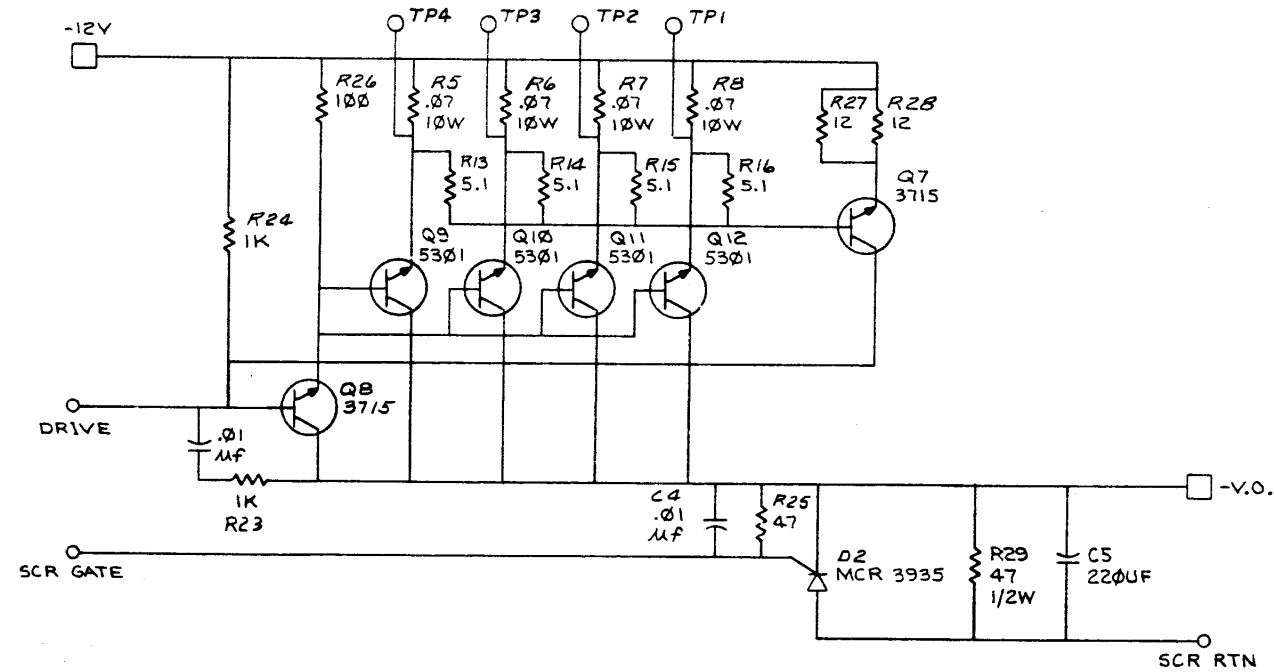
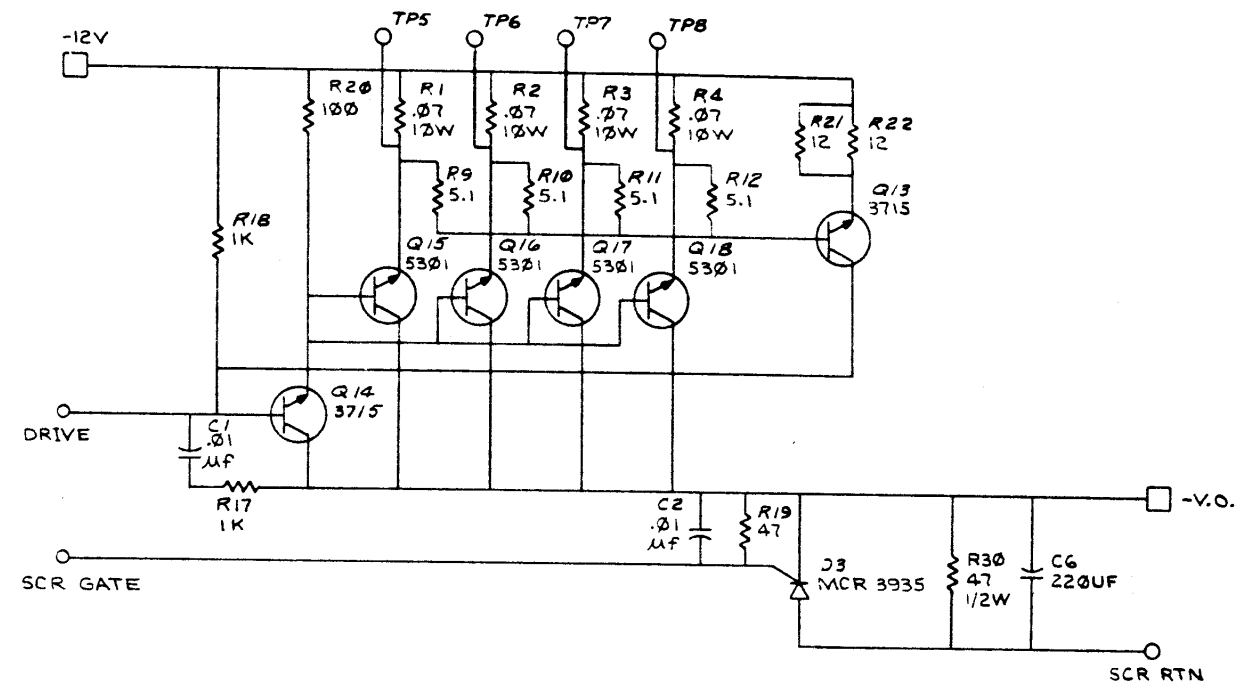
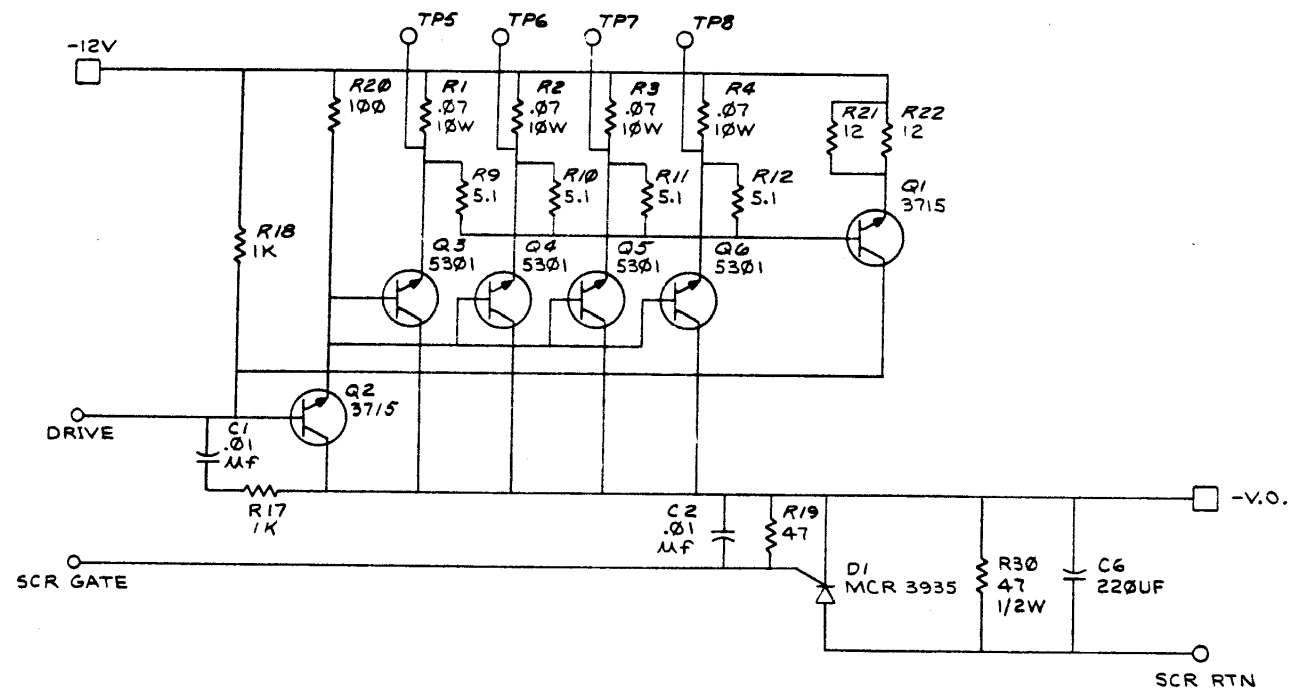
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NOTES:

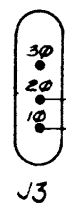
1. OUTPUT OF EACH REGULATOR IS -5.2 V MEASURED FROM -V.O. TO RTN. (SEE D-IC-4761-0-8).

NOTES:

2. ALL RESISTORS 1/4W 5% UNLESS OTHERWISE STATED.
3. ALL RESISTORS IN OHMS UNLESS OTHERWISE STATED.
4. SYMBOL -  INDICATES NO. 8 AWG CONNECTION.



MATE-N-LOK
LOCATED ON
HEAT SINK
MOUNTING
BKT.



SUPER
BOXER
FAN
220 VAC

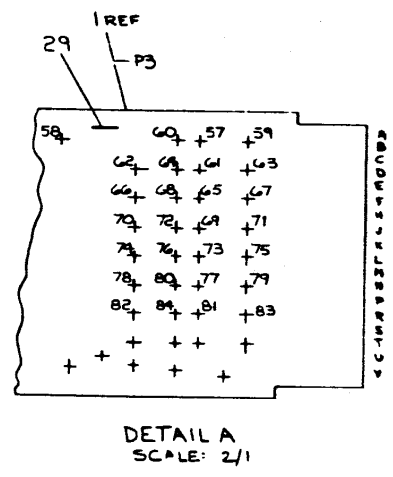
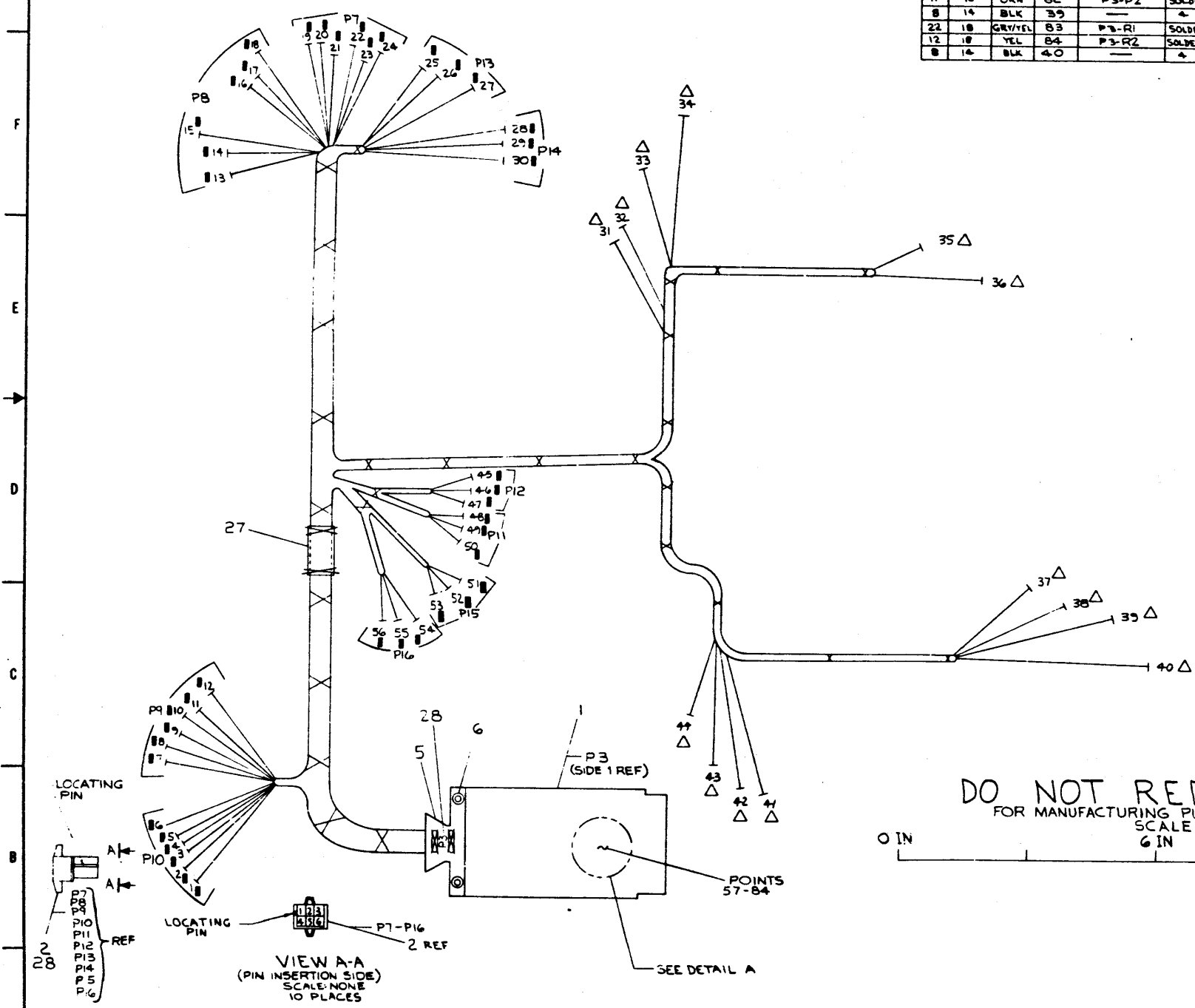
FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
KL10					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		PARTS LIST			
TOLERANCES		DRN. <i>[Signature]</i>	DATE 7/13/73		
DECIMALS		CHKD. <i>[Signature]</i>	DATE 7/13/73		
ANGLES		ENG. <i>[Signature]</i>	DATE 7/13/73	TITLE	
XXX = .005		PROJ. ENG. <i>[Signature]</i>	DATE 7/13/73		
XX = .02		PROD. <i>[Signature]</i>	DATE 7/13/73	-5.2 V HEAT SINK ASSY	
X = .1					
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY Y				SIZE CODE NUMBER REV.	
MATERIAL		NEXT HIGHER ASSY.			
FINISH		H761		D CS 7009405-0-1	
		SCALE			
		SHEET 1 OF 1			

THIS DRAWING AND SPECIFICATION, WHEN USED IN CONNECTION WITH THE PARTS LIST, SHALL BE CONSIDERED AS THE BASIS FOR THE FABRICATION OF THIS HARNESS. IT IS THE RESPONSIBILITY OF THE FABRICATOR TO OBTAIN THE LATEST REVISIONS OF THIS DRAWING AND SPECIFICATION.

WIRE TABLE									
ITEM NO.	AWG	COLOR	POINT	FROM CONNECTION	TERM	POINT	TO CONNECTION	TERM	FUNCTION
15	18	VIO	69	P3-H1	SOLDER	1	P10-1	2F3	DRIVE
25	18	GRY/VIO	70	P3-H2	SOLDER	2	P10-2		SCR GATE
8	14	BLK	42			4	P10-3		SCR RTN
16	18	GRY	71	P3-I1	SOLDER	4	P10-4		DRIVE
18	18	GRY/BLU	72	P3-I2	SOLDER	5	P10-5		SCR GATE
8	14	BLK	41			6	P10-6		SCR RTN
13	18	GRN	65	P3-E1	SOLDER	7	P9-1		DRIVE
23	18	GRY/GRN	66	P3-E2	SOLDER	8	P9-2		SCR GATE
8	14	BLK	44			9	P9-3		SCR RTN
14	18	BLU	67	P3-F1	SOLDER	10	P9-4		DRIVE
24	18	GRY/BLU	68	P3-F2	SOLDER	11	P9-5		SCR GATE
8	14	BLK	43			12	P9-6		SCR RTN
11	18	GRN	61	P3-C1	SOLDER	13	P8-1		DRIVE
21	18	GRY/GRN	62	P3-C2	SOLDER	14	P8-2		SCR GATE
8	14	BLK	34			15	P8-3		SCR RTN
12	18	VEL	63	P3-D1	SOLDER	16	P8-4		DRIVE
22	18	GRY/VEL	64	P3-D2	SOLDER	17	P8-5		SCR GATE
8	14	BLK	32			18	P8-6	2F3	SCR RTN

WIRE TABLE									
ITEM NO.	AWG	COLOR	POINT	FROM CONNECTION	TERM	POINT	TO CONNECTION	TERM	FUNCTION
9	18	BRN	57	P3-A1	SOLDER	19	P7-1	2F3	DRIVE
19	18	GRY/BRN	58	P3-A2	SOLDER	20	P7-2		SCR GATE
8	14	BLK	31			21	P7-3		SCR RTN
10	18	RED	59	P3-B1	SOLDER	22	P7-4		DRIVE
20	18	GRY/RED	60	P3-B2	SOLDER	23	P7-5		SCR GATE
8	14	BLK	33			24	P7-6		SCR RTN
17	18	WHT	73	P3-K1	SOLDER	45	P12-1		DRIVE
26	18	GRY/WHT	74	P3-K2	SOLDER	46	P12-2		SCR GATE
8	14	BLK	35			47	P12-3		SCR RTN
25	18	GRY/VIO	75	P3-L1	SOLDER	48	P11-1		DRIVE
15	18	VIO	76	P3-L2	SOLDER	49	P11-2		SCR GATE
8	14	BLK	36			50	P11-3		SCR RTN
19	18	GRY/BRN	77	P3-M1	SOLDER	25	P13-1		DRIVE
9	18	BRN	78	P3-M2	SOLDER	26	P13-2		SCR GATE
8	14	BLK	37			27	P13-3		SCR RTN
20	18	GRY/RED	79	P3-N1	SOLDER	28	P14-1		DRIVE
10	18	RED	80	P3-N2	SOLDER	29	P14-2		SCR GATE
8	14	BLK	38			30	P14-3		SCR RTN
21	18	GRY/GRN	81	P3-P1	SOLDER	51	P15-1		DRIVE
11	18	GRN	82	P3-P2	SOLDER	52	P15-2		SCR GATE
8	14	BLK	39			53	P15-3		SCR RTN
22	18	GRY/VEL	83	P3-R1	SOLDER	54	P16-1		DRIVE
12	18	VEL	84	P3-R2	SOLDER	55	P16-2		SCR GATE
8	14	BLK	40			56	P16-3	2F3	SCR RTN

NOTES:
1. USE "TIE WRAPS" (ITEM #7) APPROXIMATELY EVERY THREE INCHES WHEN NECESSARY, AND AT EVERY BREAK-OUT POINT. 'X' REPRESENTS TIE WRAP.
2. LABEL ALL CUT LINES WITH POINT DESIGNATIONS SHOWN, USING BRADY MARKERS.

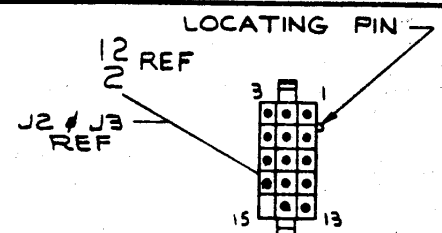


1	JUMPER	9009185	29
1	DECAL	400740982-00	28
1	LABEL, CABLE, I.D.	9009532	27
2 FT	WIRE, 18AWG, IPC, GRY/WH	9107410-87	26
3 FT	WIRE, 18AWG, IPC, GRY/VIO	9107410-87	25
1 FT	WIRE, 18AWG, IPC, GRY/BLU	9107410-84	24
1 FT	WIRE, 18AWG, IPC, GRY/GRN	9107410-85	23
4 FT	WIRE, 18AWG, IPC, GRY/VEL	9107410-84	22
4 FT	WIRE, 18AWG, IPC, GRY/GRN	9107410-83	21
5 FT	WIRE, 18AWG, IPC, GRY/RED	9107410-82	20
5 FT	WIRE, 18AWG, IPC, GRY/BRN	9107410-81	19
1 FT	WIRE, 18AWG, IPC, GRY/BLK	9107410-80	18
2 FT	WIRE, 18AWG, IPC, LINT	9107360-99	17
1 FT	WIRE, 18AWG, IPC, GRY	9107360-88	16
3 FT	WIRE, 18AWG, IPC, VIO	9107360-77	15
1 FT	WIRE, 18AWG, IPC, BLU	9107360-66	14
1 FT	WIRE, 18AWG, IPC, GRN	9107360-55	13
3 FT	WIRE, 18AWG, IPC, VEL	9107360-44	12
4 FT	WIRE, 18AWG, IPC, ORN	9107360-33	11
5 FT	WIRE, 18AWG, IPC, RED	9107360-22	10
5 FT	WIRE, 18AWG, IPC, BRN	9107360-11	9
3 FT	WIRE, 18AWG, IPC, BLK	9107370-00	8
31	TIE, CABLE 375L6-00WH	9007031	7
2	EYELET	9006741	6
1	CLAMP, CABLE	1202790	5
14	CONN, SOLDERLESS	9007128	4
42	PIN, TERMINAL CONT	1209378-00	3
10	CONN HOUSING, 6 PIN	1209351-06	2
1	CABLE TRX CONN TO WRES	1209351-06	1

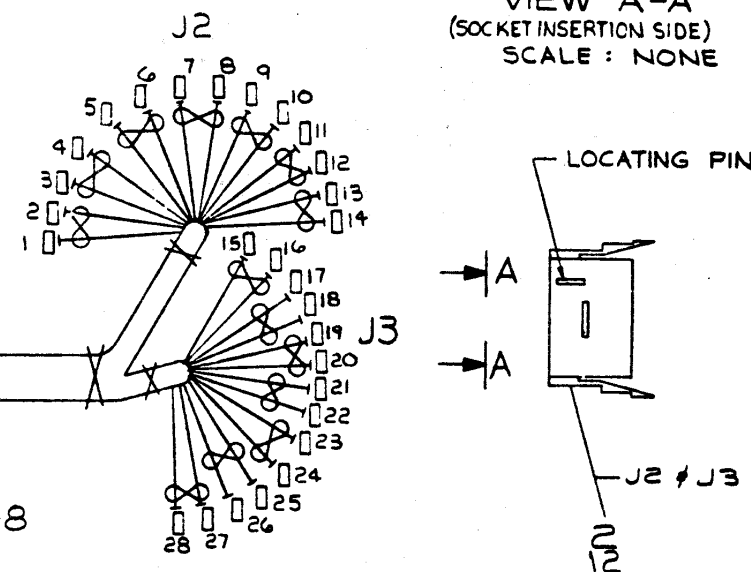
KLN		PARTS LIST	
DESCRIPTION	QTY	DESCRIPTION	QTY
HARNESS			
DRIVE SCR & SCR RTN			
E-VA-N761-0-0		E-VA-N761-0-0	
SCALE 1/1		SCALE 1/1	

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0-0-979600Z VI 0 2



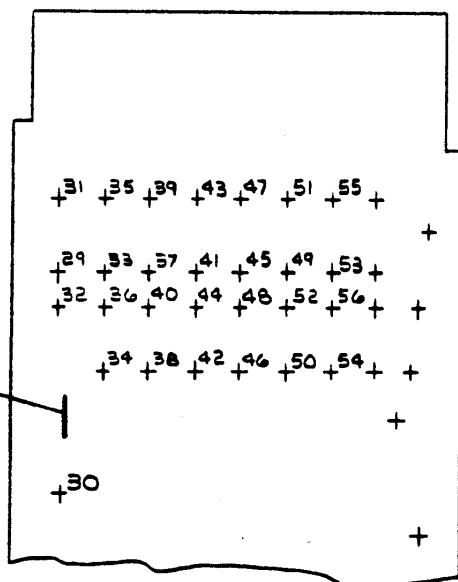
VIEW A-A
(SOCKET INSERTION SIDE)
SCALE: NONE



ITEM NO.	WIRE TABLE										WIRE LENGTH	FUNCTION
	AWG	COLOR	POINT	CONNECTION	TERM	POINT	CONNECTION	TERM				
4	18	BLK	1	J2-1	2+3	29	P1-A1	SOLDER			19.0"	+ SENSE
4	TWP	BLU	2	J2-2		30	-A2					- SENSE
4		BLK	3	J2-3		31	-B1				19.5"	+ SENSE
4		BLU	4	J2-4		32	-B2					- SENSE
4		BLK	5	J2-5		33	-C1				19.0"	+ SENSE
4		BLU	6	J2-6		34	-C2					- SENSE
4		BLK	7	J2-7		35	-D1				19.5"	+ SENSE
4		BLU	8	J2-8		36	-D2					- SENSE
4		BLK	9	J2-9		37	-E1				18.5"	+ SENSE
4		BLU	10	J2-10		38	-E2					- SENSE
4		BLK	11	J2-11		39	-F1				19.0"	+ SENSE
4		BLU	12	J2-12		40	-F2					- SENSE
4		BLK	13	J2-13		41	-H1				18.5"	+ SENSE
4		BLU	14	J2-14		42	-H2					- SENSE
4		BLK	15	J3-1		43	-J1				19.0"	+ SENSE
4		BLU	16	J3-2		44	-J2					- SENSE
4		BLK	17	J3-3		45	-K1				18.0"	+ SENSE
4		BLU	18	J3-4		46	-K2					- SENSE
4		BLK	19	J3-5		47	-L1				18.5"	+ SENSE
4		BLU	20	J3-6		48	-L2					- SENSE
5		BLK	21	J3-7		49	-M1				18.0"	+ SENSE
5		GRN	22	J3-8		50	-M2					- SENSE
5		BLK	23	J3-9		51	-N1				18.5"	+ SENSE
5		GRN	24	J3-10		52	-N2					- SENSE
5		BLK	25	J3-11		53	-P1				18.0"	+ SENSE
5		GRN	26	J3-12		54	-P2					- SENSE
5	18	BLK	27	J3-13		55	-R1				18.5"	+ SENSE
5	TWP	GRN	28	J3-14	2+3	56	P1-R2	SOLDER				- SENSE

- NOTES:
1. USE "TIE WRAPS" (ITEM #8) APPROXIMATELY EVERY THREE INCHES WHEN NECESSARY, AND AT EVERY BREAKOUT POINT. "X" REPRESENTS TIE WRAPS.
 2. CONNECTORS J2 & J3 ARE TO BE LABELED WITH COMPONENT IDENTIFIERS, USING ITEM #12

ABCDEFGHIJKLMNPRSTUV



DETAIL A
SCALE: 2/1
ROTATED 90°
COUNTER CLOCK WISE

DO NOT REDUCE
FOR MANUFACTURING PURPOSES ONLY
SCALE
6 IN

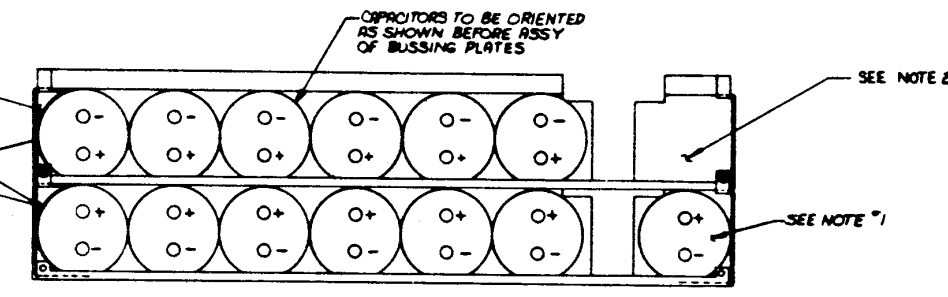
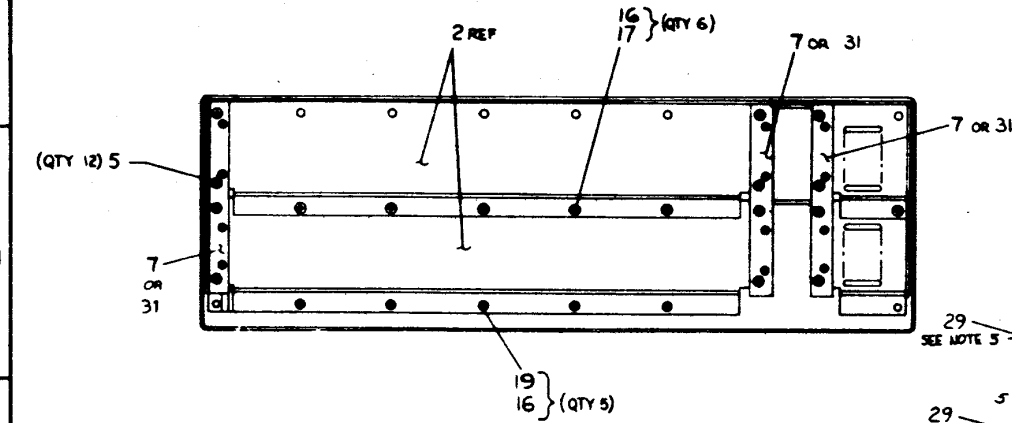
QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	DECAL	A-DC-7409873-1-0	10
1	DECAL	A-DC-7409872-0-0	11
1	JUMPER	9009185	12
1	LABEL, CABLE, I.D.	9009532	13
10	TIE, CABLE 375LG*09W	9007031	14
2	EYELET	9006741	15
1	CLAMP, CABLE	1222790	16
7 FT	WIRE, #18 AWG TWP, BLK/GRN	9107430-C5	17
13 FT	WIRE, #18 AWG TWP, BLK/BLU	9107430-06	18
28	SOCKET, TERMINAL CONTACT	1209379-00	19
2	CONN. HOUSING, 15 SKT	1209350-15	20
1	CABLE TRACK CONN. BOARD M905	M905	21

FIRST USED ON OPTION/MODEL		SYM	QTY.	DESCRIPTION	PART NO.	ITEM NO.
KL10						
DIMENSIONAL TOLERANCE		PARTS LIST				
DIMENSIONS ARE UNLESS OTHERWISE SPECIFIED		DATE 8/27/74				
MILLIMETERS		DATE 8/27/74				
INCHES		DATE 8/27/74				
ANGLES		DATE 8/27/74				
THIRD ANGLE PROJECTION		DATE 8/27/74				
MATERIAL		DATE 8/27/74				
FINISH		DATE 8/27/74				
SEE PARTS LIST		DATE 8/27/74				
SCALE 1/1		DATE 8/27/74				
SHEET 1 OF 1		DATE 8/27/74				
TITLE		HARNESS, SENSE				
SIZE CODE		DIA 7009546-0-0				
NUMBER		REV.				

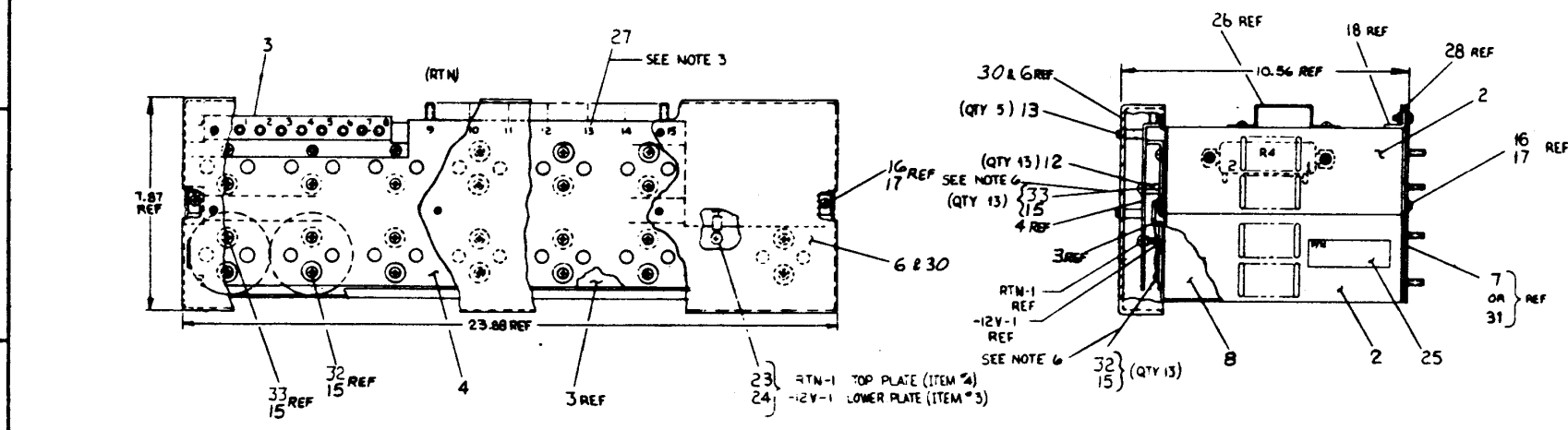
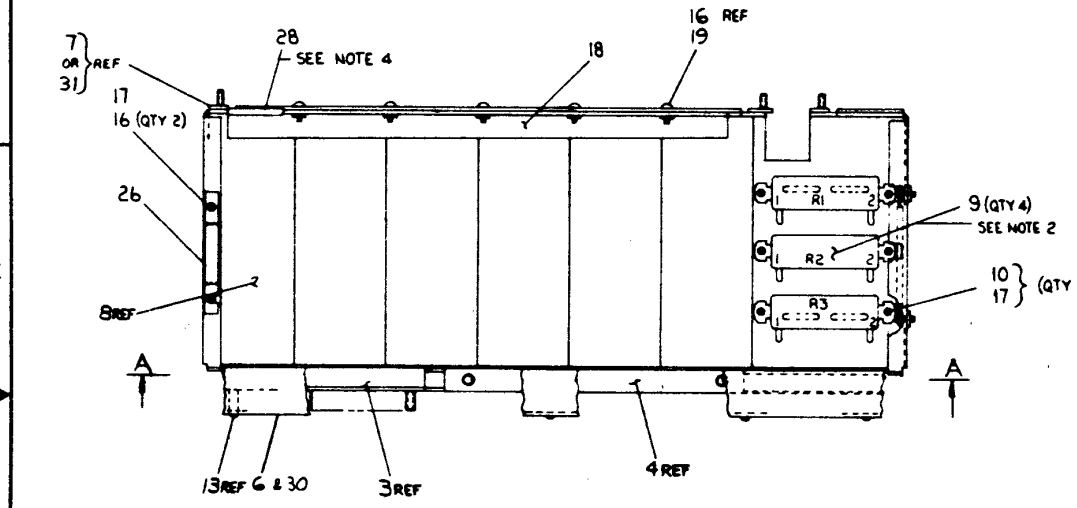
1. CAPACITORS (ITEM #8) MUST BE PLACED IN BOX BEFORE ASSY.
2. RESISTORS ITEM #9 TO BE MTD IN UPPER BOX ONLY.
3. PLACE DECALS (ITEM #27) APPROX. WERE SHOWN ON BUSSING PLATES (ITEM #31 & #4).
4. INSTALL ITEM #28 ON ITEM #18 AS SHOWN TO SIDE OF ITEM 2 BEFORE ASSEMBLY OF CAPACITORS.
5. CUT FOAM TO BSX 3.0 IN AND INSTALL TO SIDE OF ITEM 2 BEFORE ASSEMBLY OF CAPACITORS.
6. TORQUE SCREWS (ITEM #32 & #33) TO 16 INCH POUNDS.

WIRE TABLE						
ITEM NO	AWG	COLOR	CONNECTION	FROM	TO	LENGTH (INCHES)
21	14	BLK	R1-1	SOLDER	R2-1	5.00
20	14	RED	R3-1		R2-1	
					-12-V-1	ITEM #22 4.00
21	14	BLK	R2-2		R1-2	SOLDER 3.75
21	14	BLK	R3-2		R4-2	SOLDER 2.00
21	14	BLK	R4-1	SOLDER	RTN-1	ITEM #22 10.00

- NOTES:
1. CAPACITORS (ITEM #8) MUST BE PLACED IN BOX BEFORE ASSY.
 2. RESISTORS ITEM #9 TO BE MTD IN UPPER BOX ONLY.
 3. PLACE DECALS (ITEM #27) APPROX. WERE SHOWN ON BUSSING PLATES (ITEM #31 & #4).
 4. INSTALL ITEM #28 ON ITEM #18 AS SHOWN TO SIDE OF ITEM 2 BEFORE ASSEMBLY OF CAPACITORS.
 5. CUT FOAM TO BSX 3.0 IN AND INSTALL TO SIDE OF ITEM 2 BEFORE ASSEMBLY OF CAPACITORS.
 6. TORQUE SCREWS (ITEM #32 & #33) TO 16 INCH POUNDS.



VIEW A-A
BUSSING PLATES REMOVED
FOR CLARITY



CAUTION: OFF SHEET PARTS LIST EXISTS
REFER TO K-PL-7009878-0-DBP

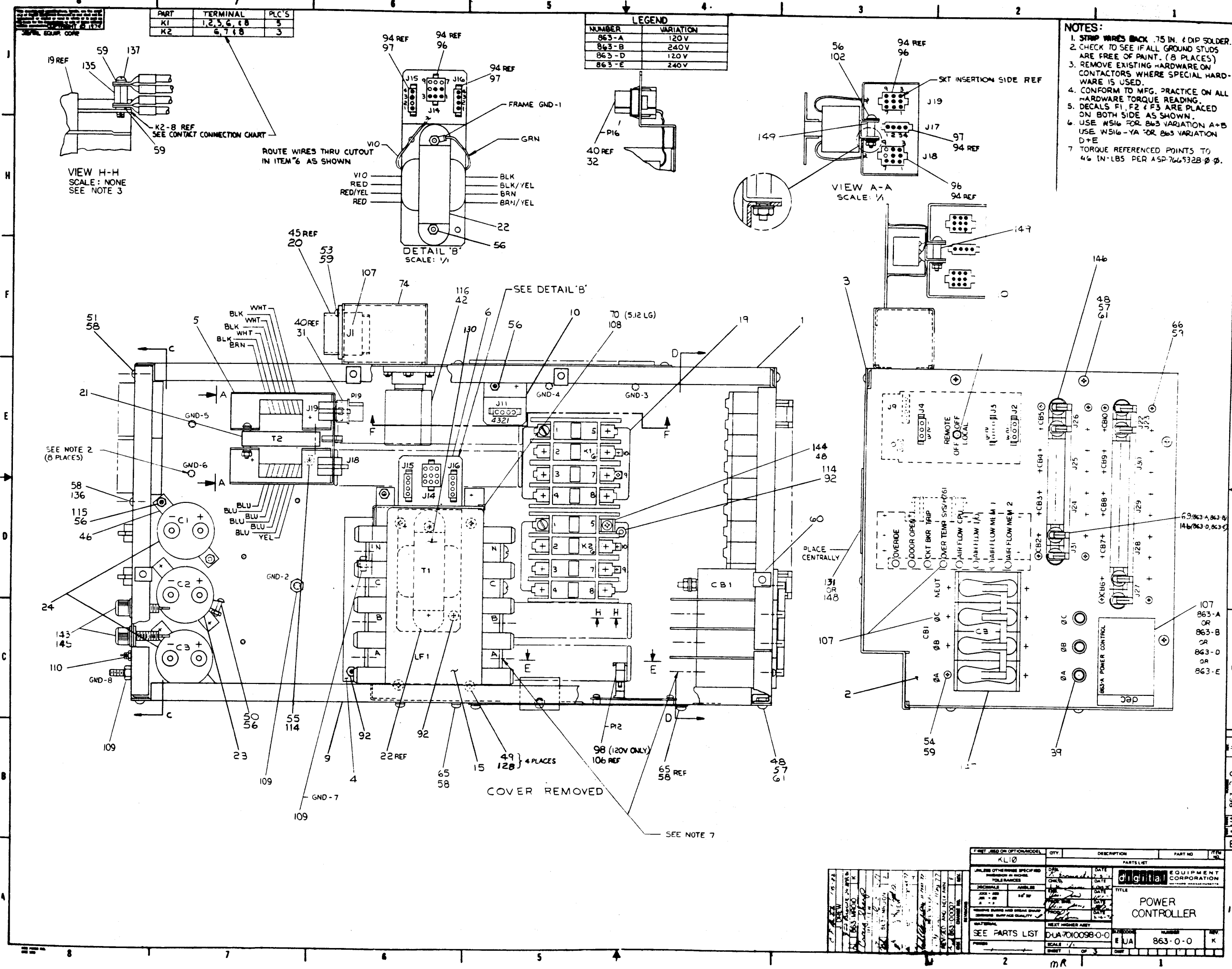
ITEM NO	DESCRIPTION	QTY	REMARKS
3	PLATE, MTG	74M615	31
1	PROTECTION PLATE	C-MD-TM873-1-0	30
1/8 A/R	FOAM PAD	9009102	29
1/8 A/R	GROUNDNET	9009104	28
1	DECAL, 21 POINT	8-02308754-0-0	27
1	STRAIN RELIEF, CABLE	8-40-7410941-0-0	26
1	LABEL, ADHESIVE BACKED	9009255	25
2	WASHER, INT TOOTH #6	9006633	24
2	SCR PHL RND #8-32 x .31	9006021-1	23
2	TERMINAL, RING TONGUE	9007928	22
1/8 A/R	14 AWG WIRE STRANDED BLK	9107370-00	21
1/8 A/R	14 AWG WIRE STRANDED RED	9107370-22	20
5	MUT. KEYS #8-32	9006563	19
1	HOLD DOWN CAPACITOR	C-3A-7412340-0-0	18
18	WASH INT TOOTH #8	9006636	17
15	SCR PHL RND #8-32 x .31	9006037-1	16
26	WASH. INT TOOTH #10	9006639	15
13	SCR PHL RND #10-32 x .50	9006078-1	14
5	SCR SLOTTED RND #8-32 x .50	9006080-1	13
13	STRIPDRY WIRE PABLE	8-MD-74124-0-0	12
13	SCR PHL RND #10-32 x .51	9006070-1	11
8	SCR PHL RND #8-32 x .43	9006035-1	10
4	RESISTOR 4 OHMS 55W	190098	9
13	CAP 300,000 MFD 15V	1011679	8
3	PLATE, MTG	C-TB-7411859-0-0	7
1	PROTECTION PLATE	C-MD-7411878-0-0	6
12	SCR PHL FLT #8-32 x .38	9006037-2	5
1	BUSSING PLATE, TOP	D-TB-7411869-0-0	4
1	BUSSING PLATE	D-TB-7411867-0-0	3
2	BOX CAPACITOR	E-TB-7411731-0-0	2
REF	CIRCUIT SCHEMATIC	D-CI-7009878-0-1	1

KL10

7009878-0-0

CAPACITOR BOX ASSY

E AD 7009878-0-0



PART	TERMINAL	PLC'S
K1	1, 2, 3, 6, 8	5
K2	6, 7, 8	3

NUMBER	VARIATION
863-A	120V
863-B	240V
863-D	120V
863-E	240V

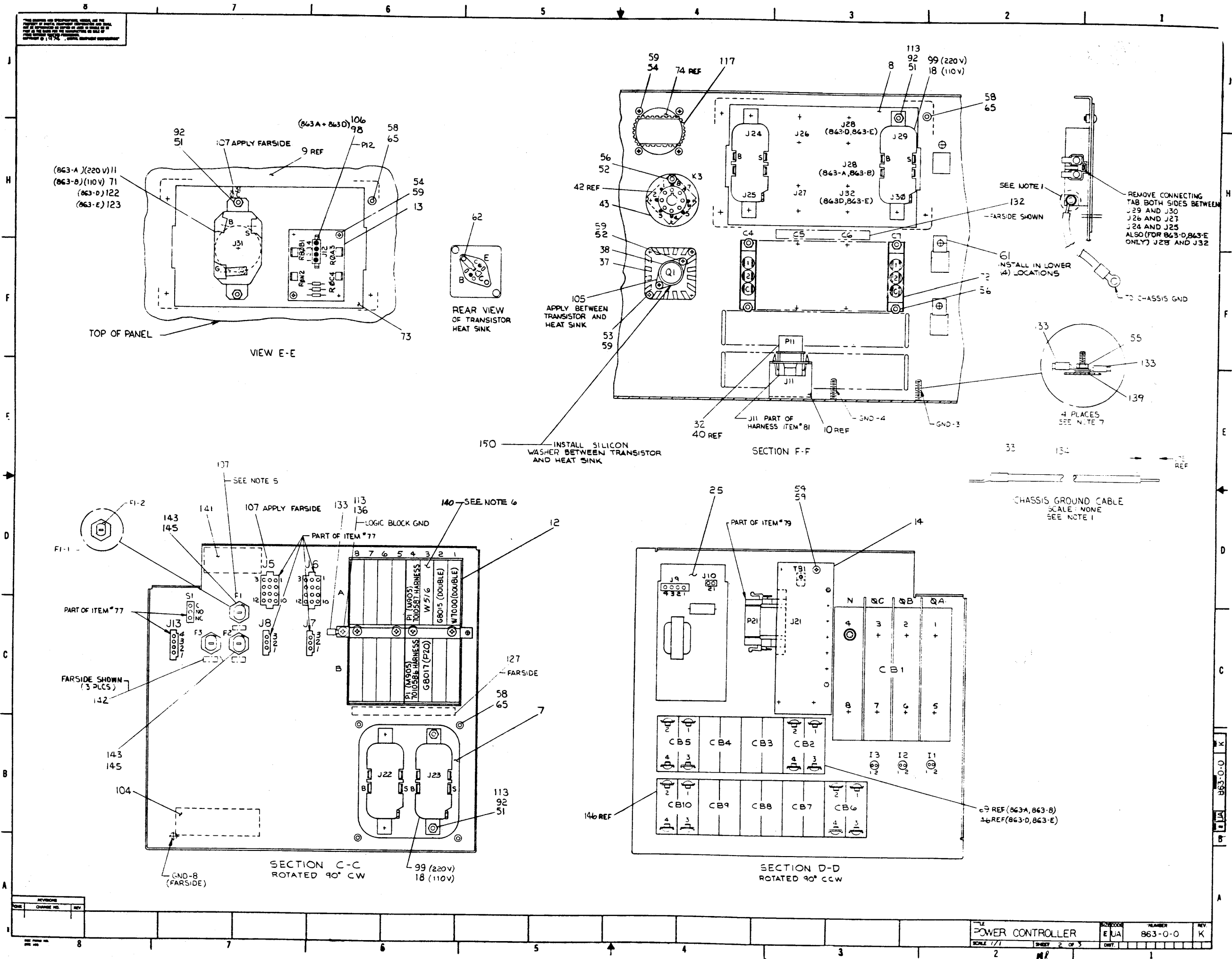
- NOTES:
1. STRIP WIRES BACK .75 IN. & DIP SOLDER.
 2. CHECK TO SEE IF ALL GROUND STUDS ARE FREE OF PAINT. (8 PLACES)
 3. REMOVE EXISTING HARDWARE ON CONTACTORS WHERE SPECIAL HARDWARE IS USED.
 4. CONFORM TO MFG. PRACTICE ON ALL HARDWARE TORQUE READING.
 5. DECALS F1, F2 & F3 ARE PLACED ON BOTH SIDE AS SHOWN.
 6. USE W516 FOR 863 VARIATION A+B USE W516-YA FOR 863 VARIATION D+E
 7. TORQUE REFERENCED POINTS TO 46 IN-LBS PER ASP-764532B Ø.Ø.

VIEW H-H
SCALE: NONE
SEE NOTE 3

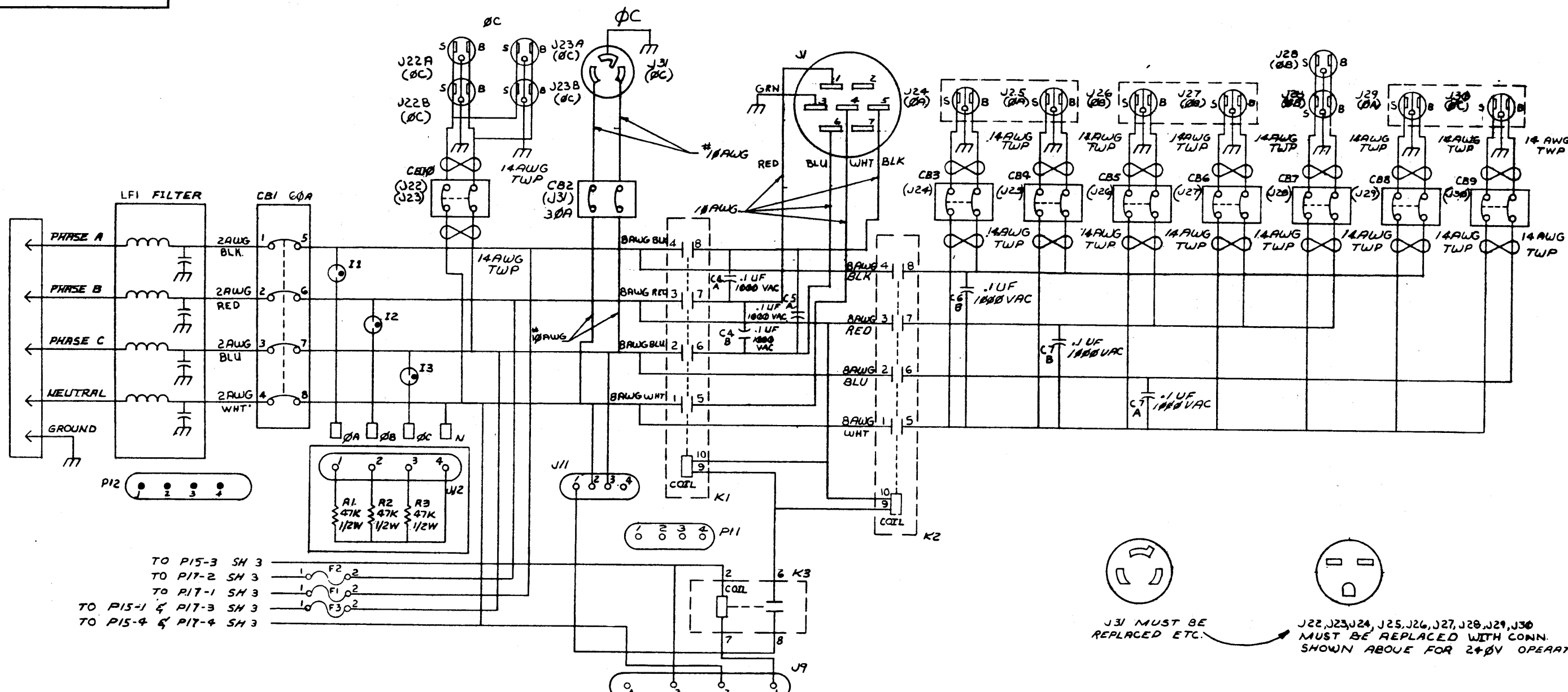
VIEW A-A
SCALE: 1/1

COVER REMOVED

1. REF. USED ON OPTION MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
KL10					
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE AS SHOWN					
DECIMALS	FRACTIONS	INCHES			
.0005	1/20000	.0005			
.001	1/1000	.001			
.005	1/200	.005			
.01	1/100	.01			
.05	1/20	.05			
.1	1/10	.1			
MATERIALS AND WORKMANSHIP SHALL BE AS SPECIFIED IN THE DRAWING AND SHALL BE SUBJECT TO INSPECTION AND ACCEPTANCE BY THE CUSTOMER.					
SEE PARTS LIST					
DUA-7010098-0-0					
SCALE: 1/1					
SHEET 1 OF 3					
PARTS LIST					
QTY.	DESCRIPTION	PART NO.	ITEM NO.	EQUIPMENT CORPORATION	
1	POWER CONTROLLER	863-0-0	K	POWER CONTROLLER	

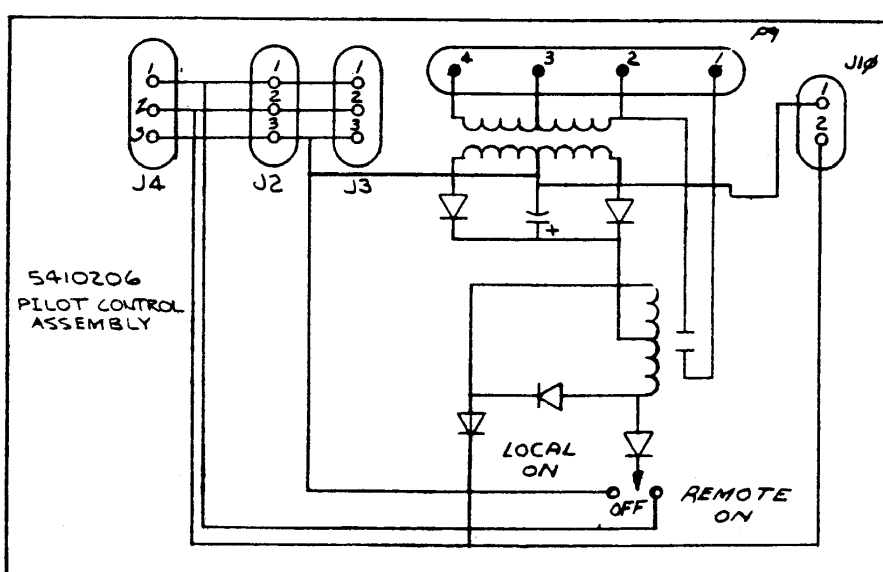


WIRE TABLE										WIRE TABLE										WIRE TABLE													
FROM										FROM										FROM													
ITEM NO	DESCRIPTION	AWG	COLOR	POINT	CONNECTION	TERM	POINT	CONNECTION	TERM	REMARKS	ITEM NO	DESCRIPTION	AWG	COLOR	POINT	CONNECTION	TERM	POINT	CONNECTION	TERM	REMARKS	ITEM NO	DESCRIPTION	AWG	COLOR	POINT	CONNECTION	TERM	POINT	CONNECTION	TERM	REMARKS	
75	14 TWP		WHT	1	HARNES			CB10-2			82	18 WHT	1			HARNES			K2-5			98	2 BLK				CB1-1	ITEM 94		LF1-4	ITEM 91		
			BLK	2				CB10-1				18 RED	2						K2-7			99	2 BLK				CB1-2	ITEM 94		LF1-5	ITEM 91		
			WHT	3				CB9-2				18 BLK	3						K2-8			100	2 BLK				CB1-3	ITEM 94		LF1-6	ITEM 91		
			RED	4				CB9-1				18 BLU	4						K2-6			101	2 WHT				CB1-4	ITEM 94		LF1-7	ITEM 91		
			WHT	5				CB9-2				18 BLK	5						C4-1			102	18 GRN				PART OF 1FMR		FRAME GRD-1	ITEM 67			
			RED	6				CB9-1				18 BLU	6						C4-2			103	18 GRN				PART OF 1FMR						
			WHT	7				CB7-2				18 RED	7						C5-C			104	18 BLK				PART OF 1FMR		J18-3	ITEM 94			
			RED	8				CB7-1				18 BLU	8						C5-1			105	18 BLK/YEL				PART OF 1FMR		J18-4	ITEM 94			
			WHT	9				CB6-2				18 BLK	9						C6-2			106	18 BLK				PART OF 1FMR		J18-2	ITEM 94			
			RED	10				CB6-1				18 WHT	10						C6-C			107	18 BLK/YEL				PART OF 1FMR		J14-2	ITEM 94			
			WHT	11				CB1-9				18 RED	11						C7-2			108	18 YTO						J14-3				
			BLK	12				CB1-7				18 WHT	12						C7-1			109	18 RED						J14-4				
			RED	13				K2-9				18 BLU	13						C7-C			110	18 GRN/YEL						J14-5				
			RED	14				K2-7				18 WHT	14						K1-6			111	18 RED						J18-1				
			RED	15				K2-8				18 WHT	15						K1-7			112	18 BLK						J18-2				
			WHT	16				K2-5				18 BLU	16						K1-8			113	18 BLK						J18-3				
			WHT	17								18 RED	17										114	18 BLK						J18-4			
			WHT	18								18 BLK	18										115	18 BLK						J18-5			
			WHT	19								18 BLK	19										116	18 BLK						J18-6			
			WHT	20								18 BLK	20										117	18 BLK						J18-7			
			WHT	21								18 BLK	21										118	18 BLK						J18-8			
			RED	2				CB9-4				18 BLK	22										119	18 BLK						J18-9			
			WHT	3				CB9-4				18 BLK	23										120	18 BLK						J18-10			
			RED	4				CB9-3				18 BLK	24										121	18 BLK						J18-11			
			WHT	5				CB7-4				18 BLK	25										122	18 BLK						J18-12			
			RED	6				CB7-3				18 BLK	26										123	18 BLK						J18-13			
			WHT	7				CB6-4				18 BLK	27										124	18 BLK						J18-14			
			RED	8				CB6-3				18 BLK	28										125	18 BLK						J18-15			
			WHT	9				CB5-4				18 BLK	29										126	18 BLK						J18-16			
			RED	10				CB5-3				18 BLK	30										127	18 BLK						J18-17			
			WHT	11				CB4-4				18 BLK	31										128	18 BLK						J18-18			
			RED	12				CB4-3				18 BLK	32										129	18 BLK						J18-19			
			WHT	13				CB3-4				18 BLK	33										130	18 BLK						J18-20			
			RED	14				CB3-3				18 BLK	34										131	18 BLK						J18-21			
			WHT	27				J30-5				18 BLK	35										132	18 BLK						J18-22			
			RED	29				J30-8				18 BLK	36										133	18 BLK						J18-23			
			WHT	25				J29-5				18 BLK	37										134	18 BLK						J18-24			
			RED	26				J29-8				18 BLK	38										135	18 BLK						J18-25			
			WHT	23				J28-5				18 BLK	39										136	18 BLK						J18-26			
			RED	24				J28-8				18 BLK	40										137	18 BLK						J18-27			
			WHT	21				J27-5				18 BLK	41										138	18 BLK						J18-28			
			RED	22				J27-8				18 BLK	42										139	18 BLK						J18-29			
			WHT	19				J26-5				18 BLK	43										140	18 BLK						J18-30			
			RED	20				J26-8				18 BLK	44										141	18 BLK						J18-31			
		</																															



TO P15-3 SH 3
TO P17-2 SH 3
TO P17-1 SH 3
TO P15-1 & P17-3 SH 3
TO P15-4 & P17-4 SH 3

NOTE:
FOR 120V OPERATION JUMPER P12-17
P12-2 TO P12-3 TO P12-4 J11-1 TO J11-3
FOR 240V OPERATION JUMPER J11-1 TO J11-2
REMOVE JUMPER ON P12 CHANGE DUPLEX
OUTLET PANEL TO 240V PANEL.
ALL WIRING IS 18AWG UNLESS NOTED



J31 MUST BE REPLACED ETC.
J22, J23, J24, J25, J26, J27, J28, J29, J30 MUST BE REPLACED WITH CONN. SHOWN ABOVE FOR 240V OPERATION

REFER TO THIS SHEET FOR 863 A & B VERSIONS.
SEE SHEET 2 FOR 863 D & E VERSIONS.

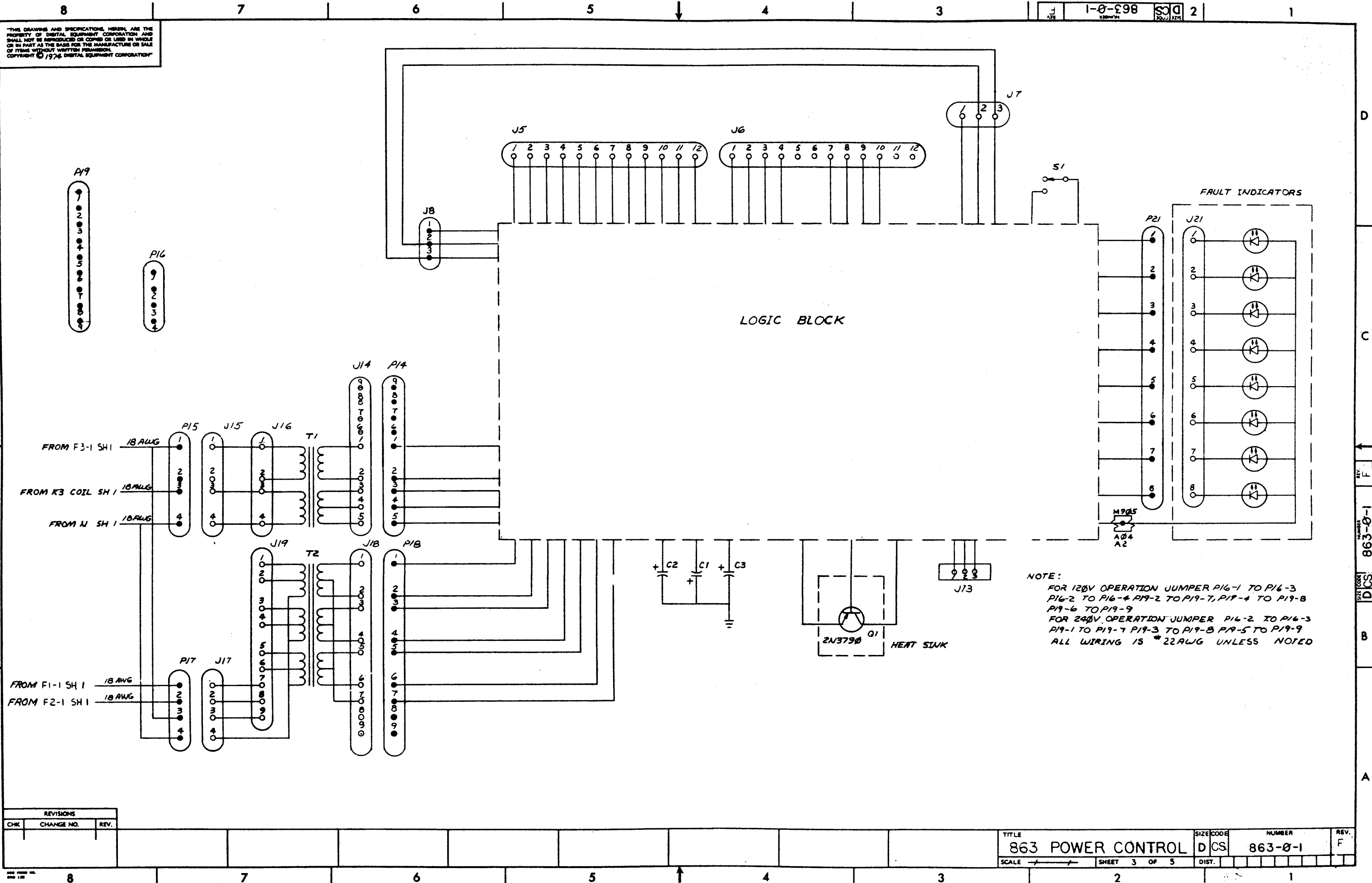
REV.	CHANGE NO.	BY	DATE
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
KL10				
DIMENSIONAL TOLERANCE				
DIMENSIONS ARE				
UNLESS OTHERWISE SPECIFIED				
MILLIMETERS				
INCHES				
ANGLES				
THIRD ANGLE PROJECTION				
MATERIAL				
FINISH				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
NEXT HIGHER ASSY.				
SCALE				
SHEET 1 OF 5				
DIST.				
TITLE				
863 POWER CONTROL				
SIZE CODE				
DGS				
NUMBER				
863-0-1				
REV.				
F				

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION			
					A	B	D	E
127	127		9007652-00	TERM,RING 1/4STUD CRIMP 14-1	1	1	1	1
128	128		9007651-00	WASHER, LOCK, EXTERNAL TOOTH #10	28	28	28	28
129	129		9007624-00	INSERT, FLUSH, SELF CLINCHING, 6	1	1	1	1
130	130		3610267-00	DECAL, ADHESIVE BACK -DANGER HTG	1	1	1	1
131	131	A-DC-7417419-0-0	7417419-00	DECAL	1	1	1	1
132	132	A-DC-7417418-0-0	7417418-00	DECAL	2	2	2	2
133	133		9007928-00	TERM,RING #10STUD CRIMP 14-1	10	10	14	14
134	134		9107777-54	WIRE,STRND,14AWG,IPVC UL3317 GR	A/R	A/R	A/R	A/R
135	135		9006822-00	SPACER, HEX, ALUM, .194 ID X .5	8	8	8	8
136	136		9006035-03	SCREW,TRUS,PHIL, 8-32X 1/4	2	2	2	2
137	137		9006077-03	SCREW,TRUS,PHIL, 10-32X 1	8	8	8	8
138	138	E-IA-7010585-0-0	7010585-01	HARNESS DC 2 863	-	-	1	1
139	139	SEE NOTE 1		*** THIS ITEM IS NOT USED ***	-	-	-	-
140	140		0W516-YA	W516 W 95V THRESHOLD	-	-	1	1
141	141	A-DC-7417750-0-0	7417750-00	DECAL WARNING	1	1	1	1
142	142	A-DC-7417749-0-0	7417749-00	DECAL 1 AMP 250V	3	3	3	3
143	143		9007211-00	FUSE,REG BLO 1 A,250V GLASS	3	3	3	3
144	144	C-MD-7417612-0-0	7417612-00	BUSS NEUTRAL FAN	1	1	1	1
145	145		9007242-00	FUSE HOLDER, 20A, 250V, PNL MNT,	3	3	3	3
146	146		1212124-04	CKT BKR 15.0 A 240V 2P SERIES TR	8	8	9	9
147	147		1211496-01	CKT BKR 60.0 A 240V 4P	1	1	1	1
148	148	A-DC-3614404-0-0	3614404-00	DECAL,-DANGER HIGH VOLTAGE- FREN	1	-	1	-
149	149		9006851-00	SPACER,HEX,THD'D,ALUM 6-32X 1	2	2	2	2
150	150		1213071-02	INSULATOR,RUBBER SILICONE SM	1	1	1	1

151 NOTE: 1 QUANTITIES IN ITEM #139 WERE COMBINED WITH ITEM #128 TO PREVENT DUPLICATE PART NUMBERS.

I	D	I	G	I	T	A	L	I	TITLE	I	SECTION A OF A	I	SIZE	CODE	DOCUMENT NUMBER	REV	I
I									POWER CONTROLLER	I		I	K	PL	863-0-DBP	K	I



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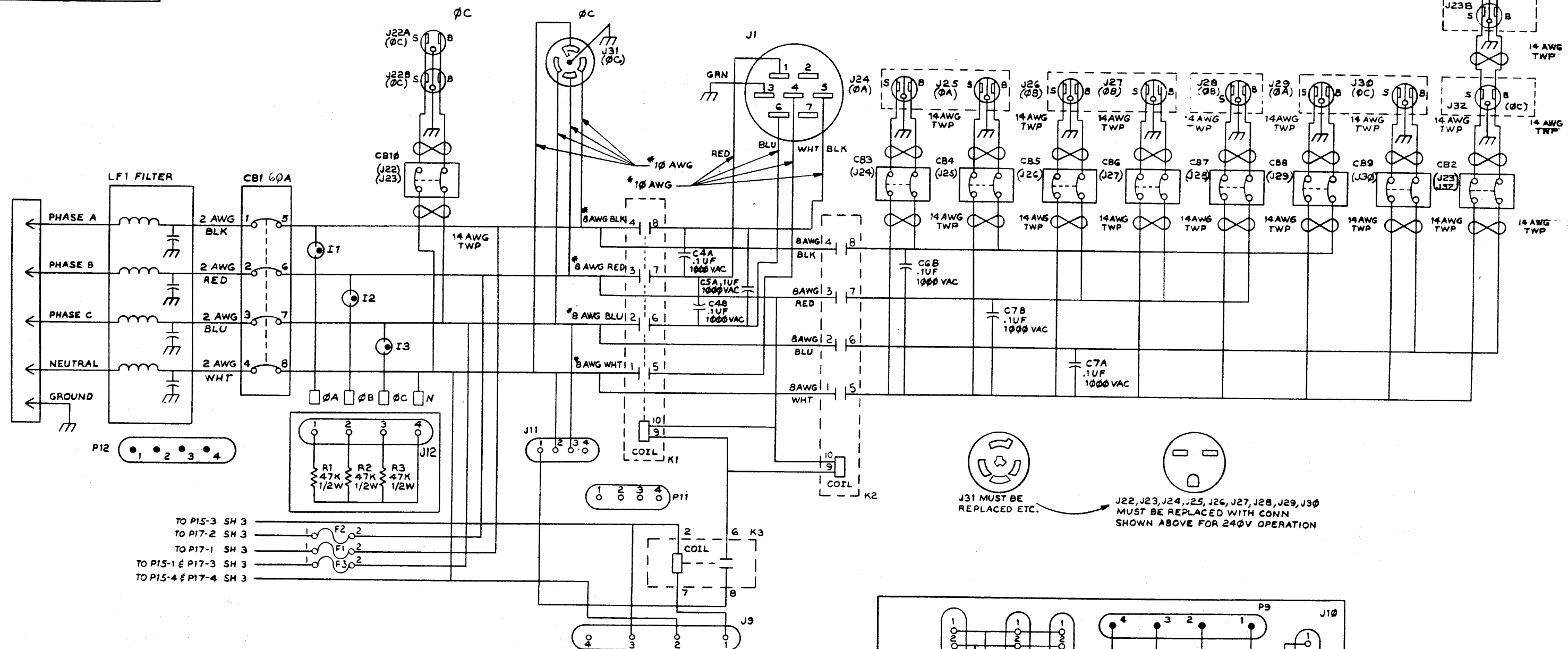
1-0-098 DCS 2

D

C

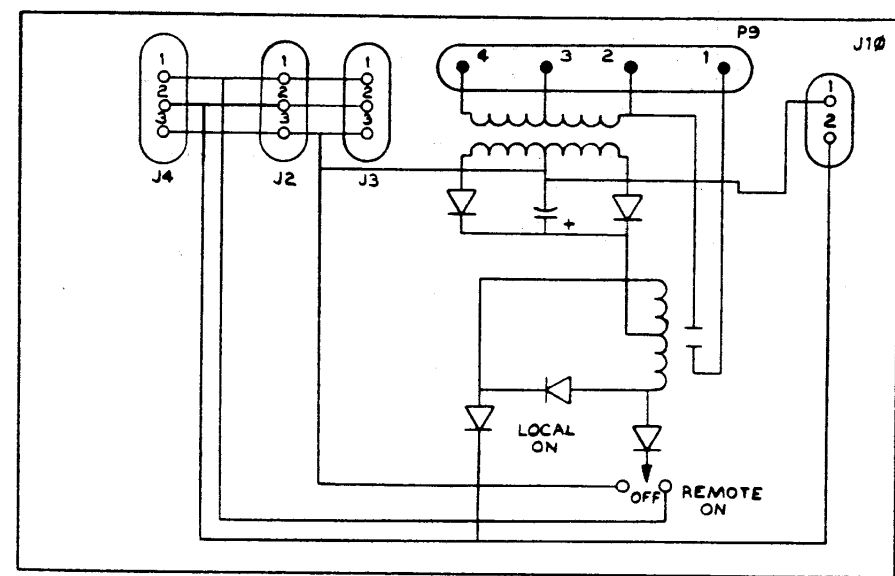
B

A



NOTE:
FOR 120V OPERATION JUMPER P12-170
P12-2 TO P12-3 TO P12-4, J11-1 TO J11-3
FOR 240V OPERATION JUMPER J11-1 TO J11-2
REMOVE JUMPER ON P12 CHANGE DUPLEX
OUTLET PANEL 7 240V PANEL.
ALL WIRING IS 18AWG UNLESS NOTED

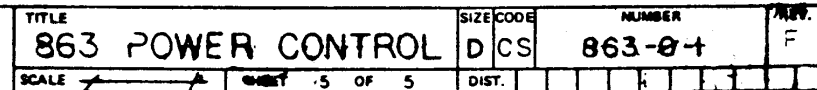
J31 MUST BE REPLACED ETC.
J22, J23, J24, J25, J26, J27, J28, J29, J30
MUST BE REPLACED WITH CONN
SHOWN ABOVE FOR 240V OPERATION



THIS SHEET REFERS TO THE
D&E VERSIONS. SEE SHEET #1
FOR THE A&B VERSIONS.

REVISIONS		
CHK	CHANGE NO.	REV.

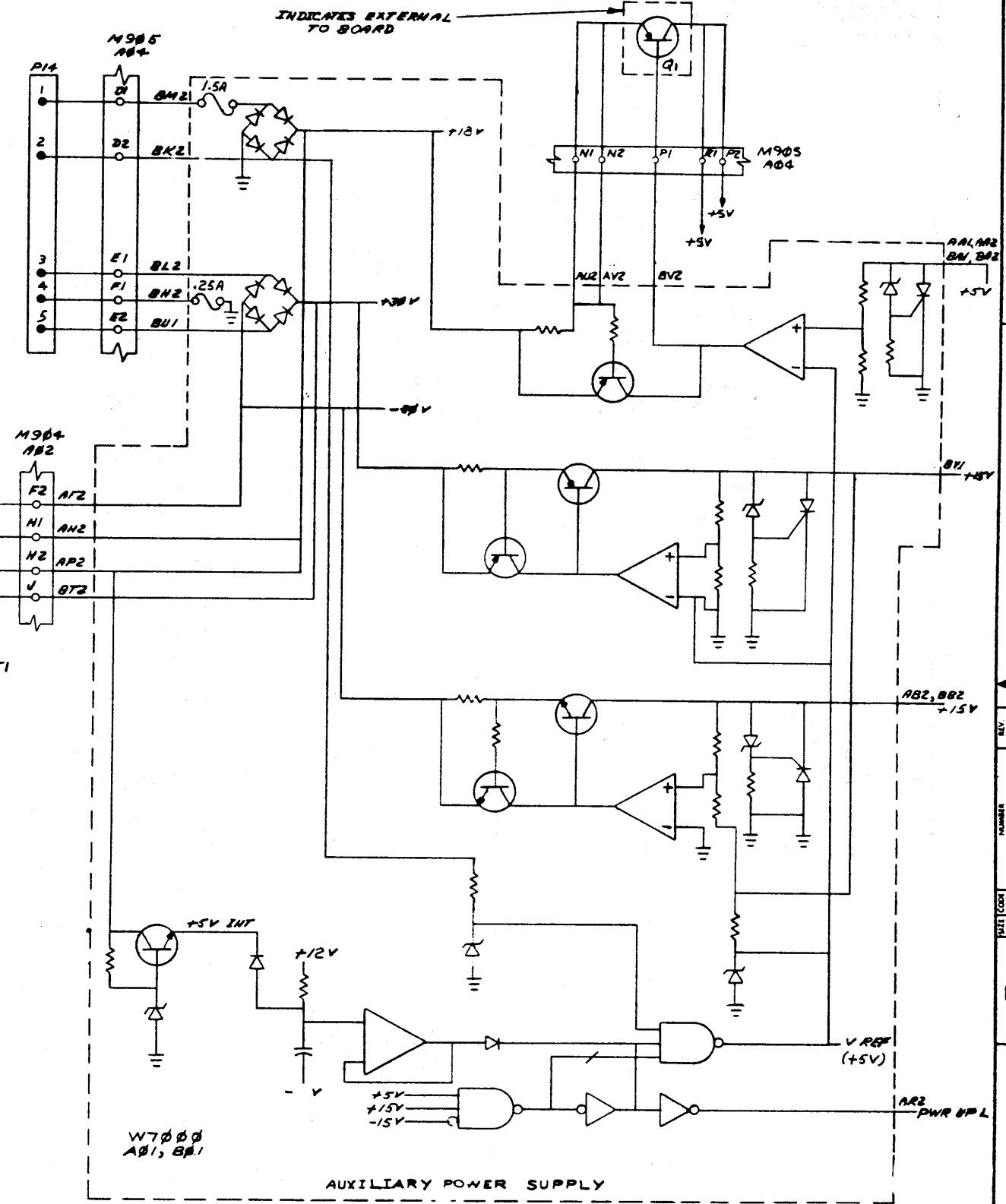
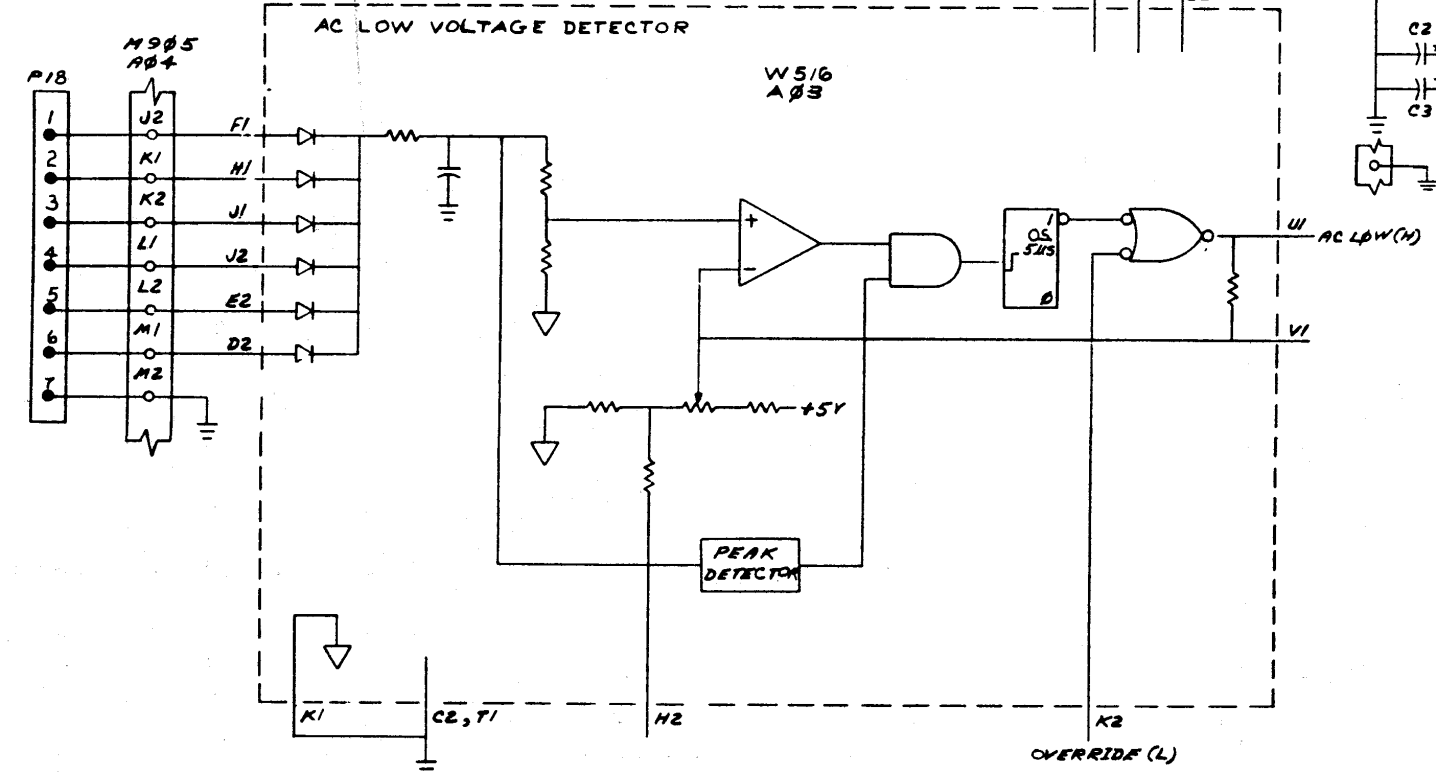
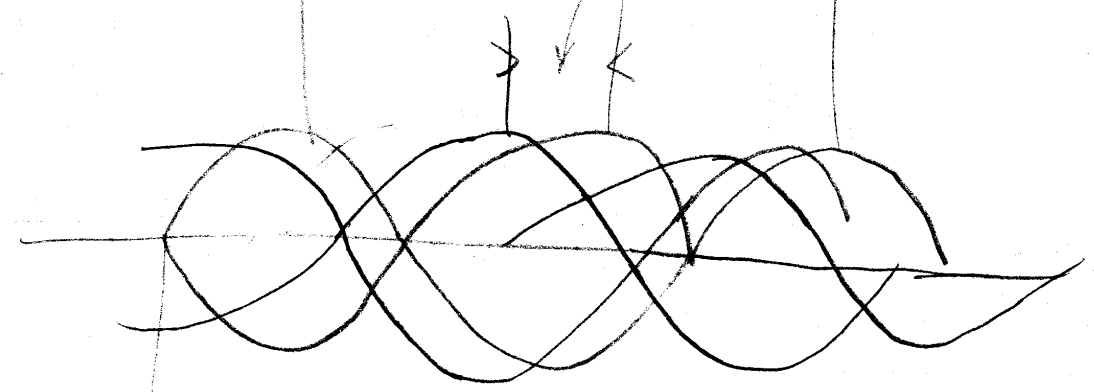
TITLE 363 POWER CONTROL		SIZE CODE DCS	NUMBER 863-0-1	REV. F
SCALE	SHEET 2 OF 5	DIST.		



$\frac{16.66}{6} = 2.777 \text{ ms}$

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1-8-898 DCS 2



REVISIONS		
CHK	CHANGE NO.	REV.

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D

D

C

C

D

D

D

D

B

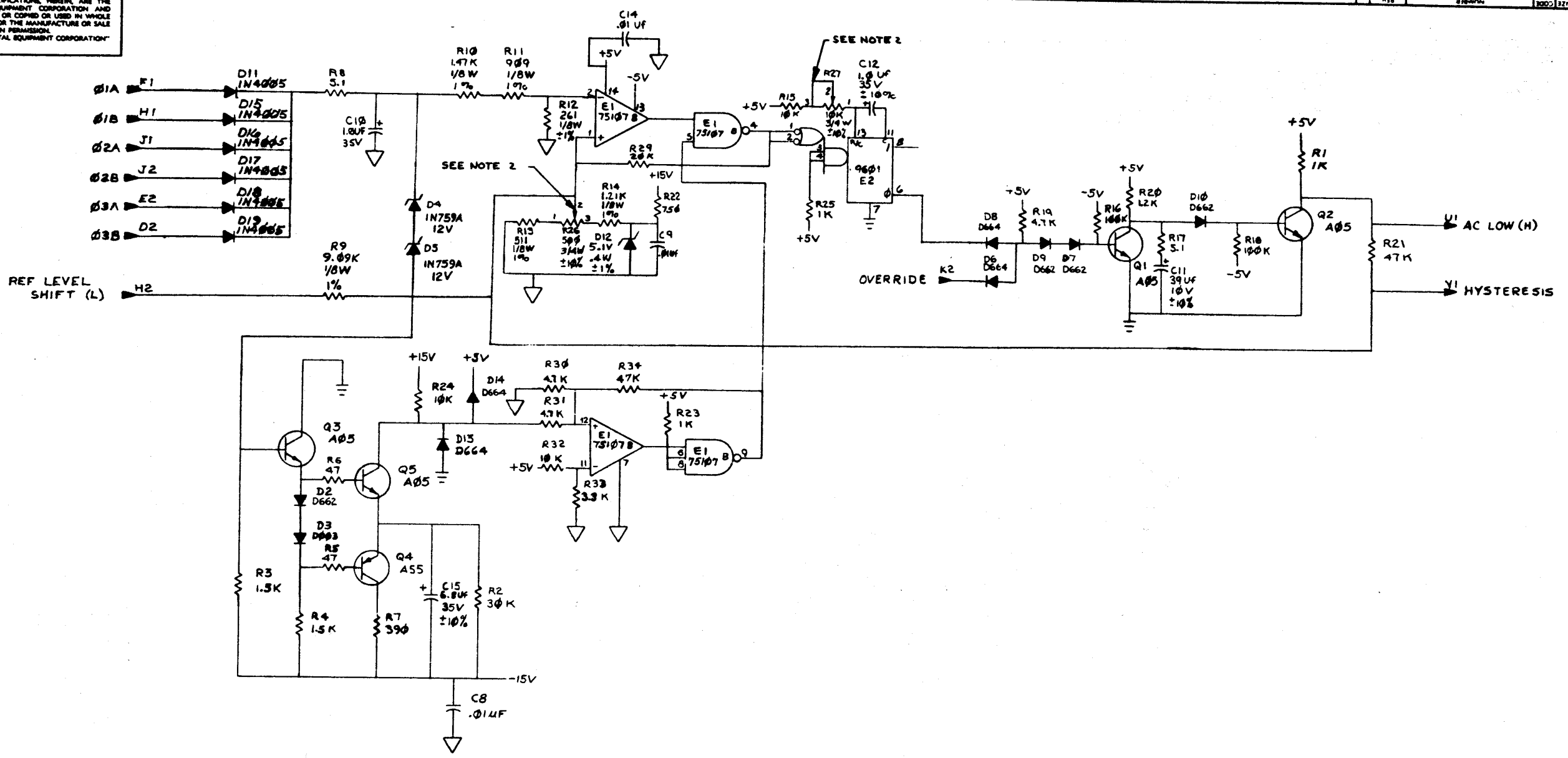
B

B

A

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		AC LOW VOLTAGE DETECTOR	SIZE CODE		NUMBER	REV.
SCALE		1:1	SHEET		2 OF 2	D
DIST.			MR		1	

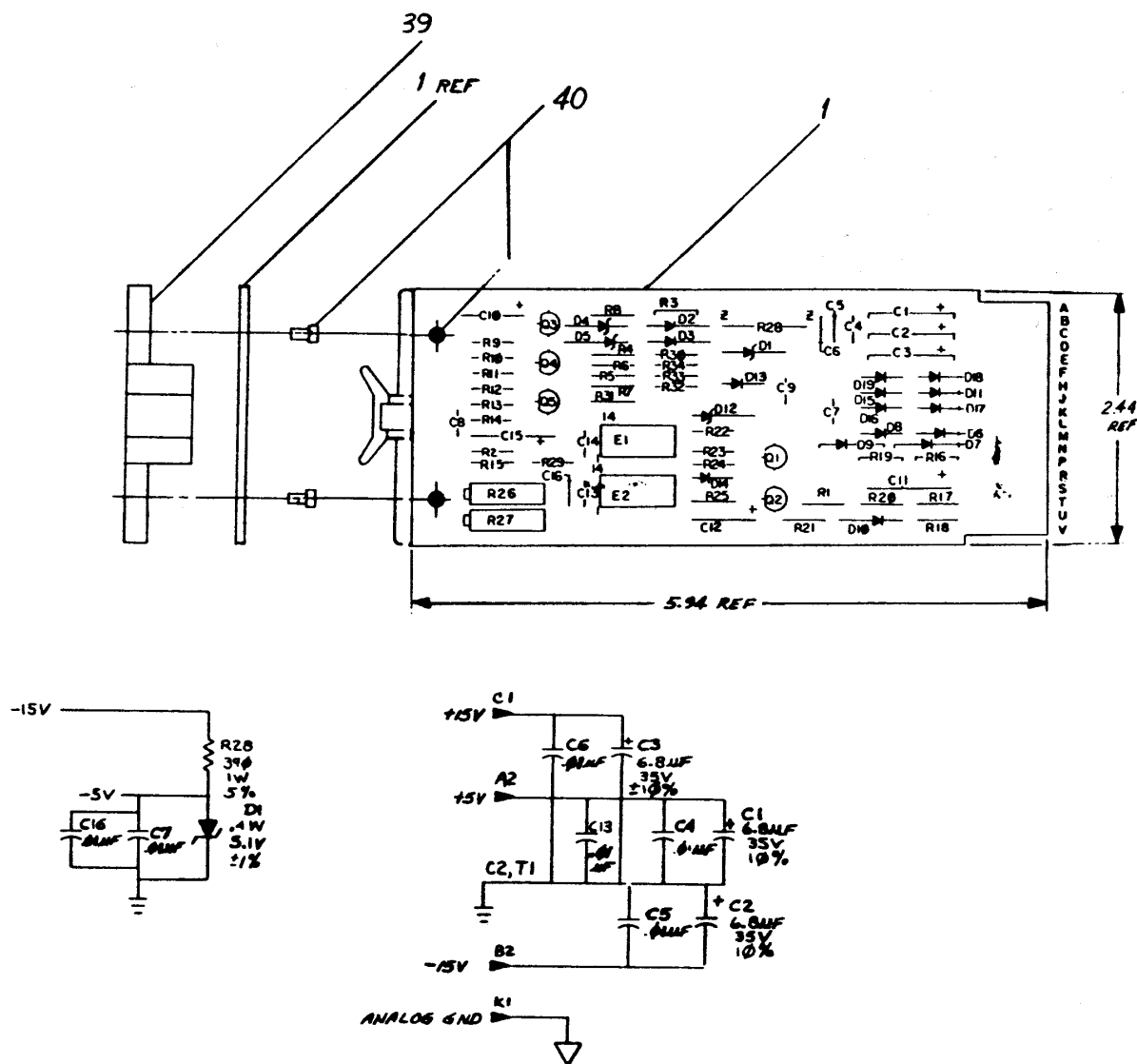


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NOTES:

- UNLESS OTHERWISE SPECIFIED
 - RESISTORS ARE 1/4 W, 5%.
 - RESISTANCE IS IN OHMS.
 - CAPACITORS ARE 105V, 20%.
- R26 & R27 ARE FACTORY ADJUSTMENTS ONLY.



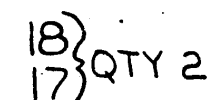
REF	X-Y COORDINATE HOLE LOCATION	K-CO-W516-0-1	REF	
REF	ASSY, DRILLING HOLE LAYOUT	D-RH-W516-0-5	REF	
REF	MODULE ECO HISTORY	B-MH-W516-0-6	REF	
1	ETCHED CIRCUIT BOARD	5010621	1	
9	C1, C4, C5, C9, C10, C16, C8	CAP, .01 MF, 100V, 20%, DISC	1001610-01	2
2	C10, C12	CAP, 1.0 MF, 35V, 20%, TANT.	1001776	3
1	C11	CAP, 39 MF, 10V, 20%, TANT.	1000076	4
4	C1, C2, C3, C15	CAP, 6.8 MF, 35V, 20%, TANT.	1005306	5
1	D3	DIODE, D-003, GERMANIUM	1100100	6
4	D2, D7, D9, D10	DIODE, D662	1100113	7
4	D6, D8, D13, D14	DIODE, D664	1100114	8
2	D4, D5	DIODE, 1N759A, 12V, 20%, ZENER	1110536	9
2	D1, D12	DIODE, 0.4W, 5.1V, 20%, ZENER	1105873	10
1	R11	RES, 909.0, 1/8W, 20% MF	1302685	11
6	D11, D15-D19	DIODE, 1N4005	1110967	12
4	D1, D2, D3, D5	TRANSISTOR, SILICON, NPN, A05	1510705	13
1	Q4	TRANSISTOR, SILICON, PNP, A55	1510706	14
3	R1, R23, R25	RES, 1K, 1/4W, 5% CC	1300365	15
2	R8, R17	RES, 51, 1/4W, 5% CC	1300422	16
2	R5, R6	RES, 47, 1/4W, 5% CC	1300202	17
1	R12	RES, 261, 1/8W, 20% MF	1302873	18
1	R13	RES, 511, 1/8W, 20% MF	1302411	19
1	R10	RES, 1.47K, 1/8W, 20% MF	1305108	20
1	R14	RES, 1.21K, 1/8W, 20% MF	1302571	21
1	R9	RES, 9.09K, 1/8W, 20% MF	1301855	22
1	R28	RES, 390, 1W, 5% CC	1302384	23
1	R7	RES, 390, 1/4W, 5% CC	1300309	24
1	R22	RES, 750, 1/4W, 5% CC	1301401	25
2	R3, R4	RES, 1.5K, 1/4W, 5% CC	1300391	26
3	R19, R30, R31	RES, 4.7K, 1/4W, 5% CC	1300447	27
3	R15, R24, R32	RES, 10K, 1/4W, 5% CC	1300477	28
1	R2	RES, 30K, 1/4W, 5% CC	1302394	29
2	R16, R18	RES, 100K, 1/4W, 5% CC	1302466	30
2	R21, R34	RES, 47K, 1/4W, 5% CC	1302171	31
1	R26	VAR RES., 500, 34W, 20% 130143-06	32	
1	R27	VAR RES., 10K, 34W, 20% 130143-10	33	
1	R20	RES, 12K, 1/4W, 5% CC	1301326	34
1	R33	RES, 3.3K, 1/4W, 5% CC	1300439	35
1	R29	RES, 20K, 1/4W, 5% CC	1302391	36
1	E2	IC DEC 9601	1909373	37
1	E1	IC DEC 75107B	1970268	38
1		HANDLE, FLIP CHIP, WHITE	9008337-3	39
2		EYELET	9006732	40

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
EQUIPMENT CORPORATION				
AC LOW VOLTAGE DETECTOR				
DCS W516-0-1				

FIRST USED ON OPTION MODEL	
863	
ETCH BOARD REV	
D	
REVISIONS	
NO.	DESCRIPTION
1	IN 994
2	IN 3606
3	IN 695
SEMICONDUCTOR CONVERSION CHART	
DEC NO.	EIA NO.
DEC NO.	EIA NO.

IC TYPE	GND	+5V
GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY. EXCEPTIONS ARE STATED ABOVE.		
IC PIN LOCATIONS		
8	7	6
5	4	3
2	1	

DIGITAL EQUIP CORP.



1. CONNECTIONS ON BUSSING ITEMS*5 + 22 TO BE LOCATED AT MINIMUM PRACTICAL HEIGHT ABOVE BLOCKS.
2. USE YEL WIRE ITEM*10 FOR WRAPPING, PERFORMED PER WIRE LIST OF THIS DWG. USE ITEM*11 FOR TWP (NC HAND WRAP).
3. SLEEVE ITEMS 12, 13 & 21 WITH ITEM*23. AND THEN ATTACH ITEM*14.
4. BEND UP THIS END OF GND TAB (ITEM*2) TO ALLOW MTG. OF STANDOFF AT THIS LOCATION.

16(QTY2) SEE NOTE 4

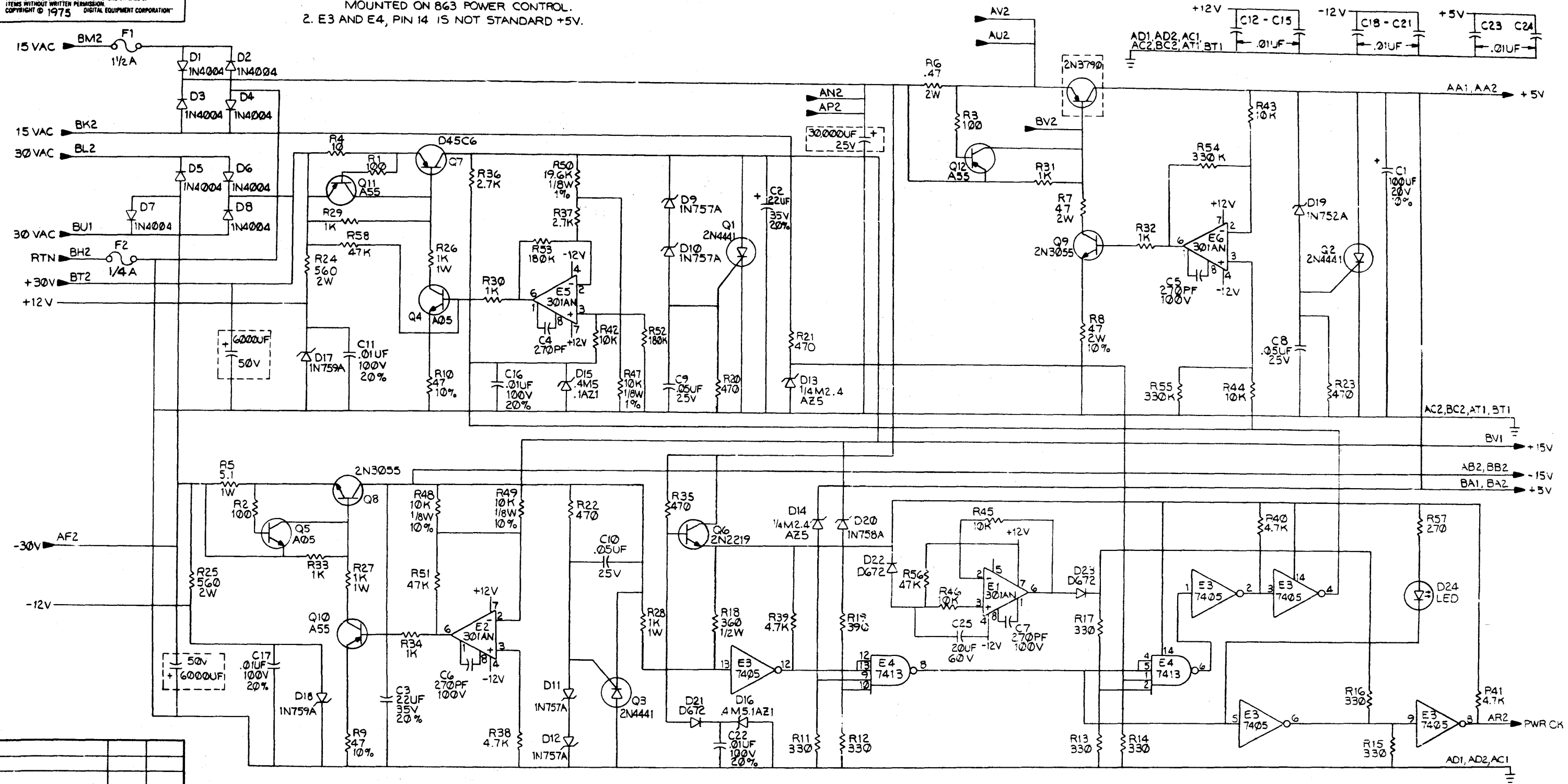
B	SIZE	CODE	NUMBER	REV.
	C	AD	7009632-0-0	C

BRUNING 40-107 15968

DEC FORM NO.
DRC 100-AA

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- NOTES:
- INDICATES COMPONENT EXTERNAL TO BOARD MOUNTED ON 863 POWER CONTROL.
 - E3 AND E4, PIN 14 IS NOT STANDARD +5V.



SEE NOTE 2			
I.C. 301AN	—	—	7 4
IC TYPE	GND	+5V	+12V -12V
GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPTS ARE STATED ABOVE			
IC PIN LOCATIONS			

FIRST USED ON OPTION MODEL
863

QTY	REF. DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
ETCH BOARD-REV				
DRN. E. REMOND DATE 4-2-75				
CHK'D. B. CONSTANTINIAN DATE 6-28-74				
ENG. J. DREW DATE 10-4-74				
PROJ. ENG. J. DREW DATE 10-4-74				
PROD. D. REZEK DATE 10-4-74				
NEXT HIGHER ASSY B-DD-W7000-0				
DEC NO.	EIA NO.	DEC NO.	EIA NO.	REV. C
SEMICONDUCTOR CONVERSION CHART				
SCALE	SHEET 1 OF 1	DIST.	NUMBER W7000-0-1	REV. C

digital

AUX POWER SUPPLY

SIZE CODE D CS NUMBER W7000-0-1 REV. C

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION	
				00	01
1	1	D-CS-7009878-0-1	*** THIS ITEM IS NOT USED ***	-	-
2	2	E-IA-7411731-0-0	7411731-00 BOX CAPACOTOR (70-9475)	2	2
3	3	D-IA-7411867-0-0	7411867-00 PLATE BUSS KL10 (70-9878)	1	1
4	4	D-IA-7411868-0-0	7411868-00 PLATE TOP BUSS KL10 (709878)	1	1
5	5		9006037-02 SCREW,FLAT,PHIL, 8-32X 3/8	12	12
6	6	C-MD-7411873-0-0	7411873-00 PLATE PROT KL10 (70-9878)	1	-
7	7	C-IA-7411829-0-0	7411829-00 PLATE MTG CAP BOX KL10 (70-9878)	3	-
8	8		1011479-00 300,000 MFD 15V +75-10% AL EL	13	13
9	9		1300158-00 4.0 55.0 W10.0 % WN	4	4
10	10		9006035-01 SCREW,PAN,PHIL 8-32X 1/4 SS	8	8
11	11		9006070-01 *** THIS ITEM IS NOT USED ***	-	-
12	12	B-MD-7412614-0-0	7412614-00 STANDOFF MALE-FEMALE RWRK (KL10)	13	13
13	13		9008208-01 SCREW, NYLON, SLTD PAN HD, 8-32	5	5
14	14		9006073-01 *** THIS ITEM IS NOT USED ***	-	-
15	15		9006635-00 WASHER,LOCK,INT,,3100D X .200ID	26	26
16	16		9006037-01 SCREW,PAN,PHIL 8-32X 3/8 SS	15	15
17	17		9006634-00 WASHER,LOCK,INT,,2300D X .172ID	18	18
18	18	C-IA-7412340-0-0	7412340-00 HOLDDOWN CAPACITOR KL10 (70-9878)	1	1
19	19		9006563-00 NUT,KEP 8-32X 11/13AF	5	5
20	20		9107370-22 WIRE,STRND,14AWG,IPVC UL1534	A/R	A/R
21	21		9107370-00 WIRE,STRND,14AWG,IPVC UL1534	A/R	A/R
22	22		9007928-00 TERM,RING #10STUD CRIMP 14-1	2	2
23	23		9006021-01 SCREW,PAN,PHIL 6-32X 5/16 SS	2	2
24	24		9006633-00 WASHER,LOCK,INT,,2800D X .146ID	2	2
25	25		9009255-00 LABEL, POWER SUPPLY, 2-15/16 " L	1	1
26	26	B-MD-7410941-0-0	7410941-00 CABLE STRAIN RELIEF KL10 (70-987	1	1
27	27	B-DC-5308754-0-0	5308754-00 DECAL	1	1
28	28		9007046-00 GROMMET #3 GS-3	A/R	A/R
29	29		9009102-00 FOAM, POLYURETHANE, 3/8 THK. X 1	A/R	A/R
30	30	C-MD-7411873-0-0	7411873-01 PLATE PROTECTOR	-	1

REVISION HISTORY			BASIC PART NO: 7009878		DRN: V, SOUZA		DATE: 26-MAR-74		DIGITAL	
ENG	ECO NUMBER	REV	SECTION A OF A		CHK'D: D, HEALEY		DATE: 10-MAY-74		TITLE PARTS LIST	
BW	7009878-MR004	E	SECTION, VARIATION INDEX		[A] 00,01		DATE: 15-AUG-74		CAPACITOR BOX ASSY	
			[B]		DES,ENG.: J. PROVIDENT		DATE: 19-SEP-74		DOCUMENT NUMBER	
			[C]		RESP,ENG.: J. PROVIDENT		DATE: 1-OCT-71		SIZE CODE NUMBER	
			[D]		MFG,ENG.: R. BOWER		K PL		7009878-0-DBP	
			[E]		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:	
			[F]		E-AD-7009878-0-0		B-DD-KL10-0		22733E,PLS	
									EDIT 9	

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WIRE TABLE

ITEM NO	DESCRIPTION		FROM CONNECTION	TO CONNECTION	REMARKS SIGNAL NAME
	AWG	COLOR			
10	30	YEL	A01C1	A01C2	GND
			A01C2	A01D1	
			A01D1	A01D2	
			A03C2	A03K1	
			A04C2	A04M2	
			B04C2	B04D2	
			B04D2	B04E2	
			B04E2	B04F2	
			B04F2	B04H2	
			B04H2	B04J2	
			B04J2	B04K2	
			B04K2	B04L2	
			B04L2	B04M2	
			B04M2	B04P2	GND
			A01A1	A01A2	+ 5 VOLTS
			A01A2	B01A1	
			B01A1	B01A2	
			A04A2	A04P2	
			A04A2	A04R1	+ 5 VOLTS
			B01V1	A02C1	+15 VOLTS
			A02C1	B02C1	+15 VOLTS
			A03F1	A04J2	PHASE 1A
			A03H1	A04K1	PHASE 1B
			A03J1	A04K2	PHASE 2A
			A03J2	A04L1	PHASE 2B
			A03E2	A04L2	PHASE 3A
			A03D2	A04M1	PHASE 3B
			B01M2	A04D1	18 VAC A
			B01K2	A04D2	18 VAC B
			B01L2	A04E1	3Ø VAC A
			B01U1	A04E2	3Ø VAC B
			B01H2	A04F1	3Ø VAC RTN
			A01N2	A04H1	+18V RAW
			A01P2	A04H2	+18V RAW
			B01T2	A04J1	+ 3ØV RAW
			A01F2	A04F2	-3ØV RAW
			A02L2	B03J2	AIR FLOW A (L)
			A02C1	A03C1	+15V
			B04A2	A05A2	+5V
			A02M2	B03V2	PWR UP(L)
			B03U2	B04N2	PWR LED (L)
			B02V1	B03V1	MST PWR ON(H)
			B02D2	B01D2	PWR WARNING(L)
			B03T1	B02F2	GND
			B01T1	B02V2	GND
10	30	YEL	SWI-NC	A02M2	RESET/PWR UP(L)

WIRE TABLE

ITEM NO	DESCRIPTION		FROM CONNECTION	TO CONNECTION	REMARKS SIGNAL NAME
	AWG	COLOR			
10	30	YEL	B03J2	B04D1	AIR FLOW A (L)
			A02K2	B03L2	AIR FLOW B (L)
			B03L2	B04E1	AIR FLOW B (L)
			A02J2	B03M2	AIR FLOW C (L)
			B03M2	B04F1	AIR FLOW C (L)
			A02H2	B03N2	AIR FLOW D (L)
			B03N2	B04H1	AIR FLOW D (L)
			A02D2	B03R2	OVERTEMP (L)
			B03R2	B04J1	OVERTEMP (L)
			A02E2	B03S2	CKT BKR (L)
			B03S2	B04K1	CKT BKR (L)
			A02F2	B03T2	DOOR OPEN A (L)
			B03T2	B04L1	DOOR OPEN A (L)
			A02B1	B04M1	DOOR OPEN B (L)
			A01R2	SWI-C	POWER UP (L)
			A02N2	B03A1	PWR REQUEST (L)
			B03A1	B04P1	PWR REQUEST (L)
			A02U2	B04N1	FAULT (L)
			A02A1	A03U1	AC LOW (H)
			A02P2	A03K2	OVERRIDE (L)
			A03K2	B03U1	OVERRIDE (L)
10		YEL	B03U1	B04R1	OVERRIDE (L)
11		BLK/WHT	B02L2	B04S1	CROBAR (L)
		TWP	B02V2	B04S2	CROBAR RTN
		BLK/WHT	B02D2	B04U1	PWR WARNING (L)
		TWP	B02F2	B04U2	PWR WARNING RTN
		BLK/WHT	A02R2	B04V1	PWR DOWN (L)
11		TWP	A02V2	B04V2	PWR DOWN RTN
10		YEL	B01V2	A04P1	+ 5V DRIVE
10			A01U2	A04N1	+18V
10			A01V2	A04N2	+18V
10	30	YEL	A04N1	A04N2	+18V
12&14			B01A2	B01D2	+ 5V
13&14			B01D2	B02T1	GND

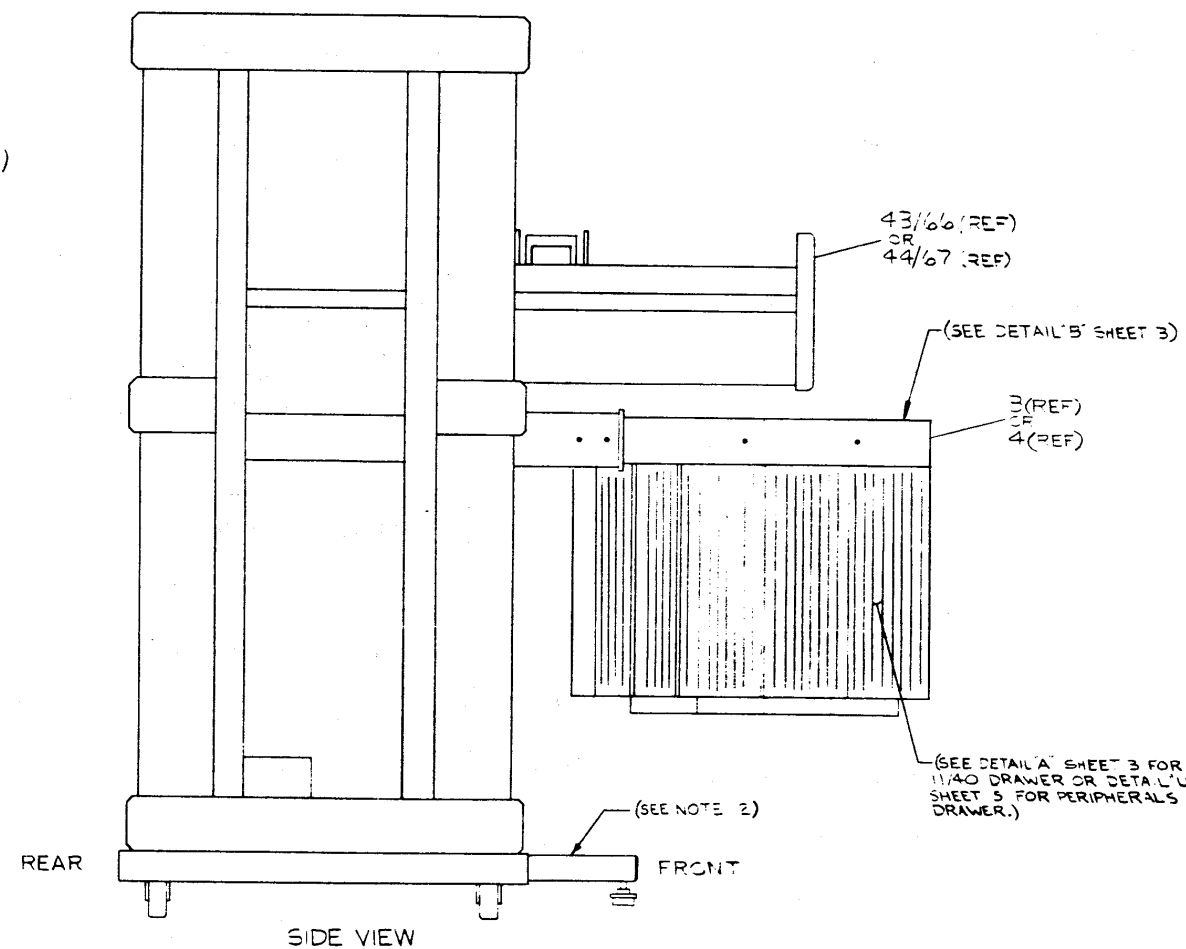
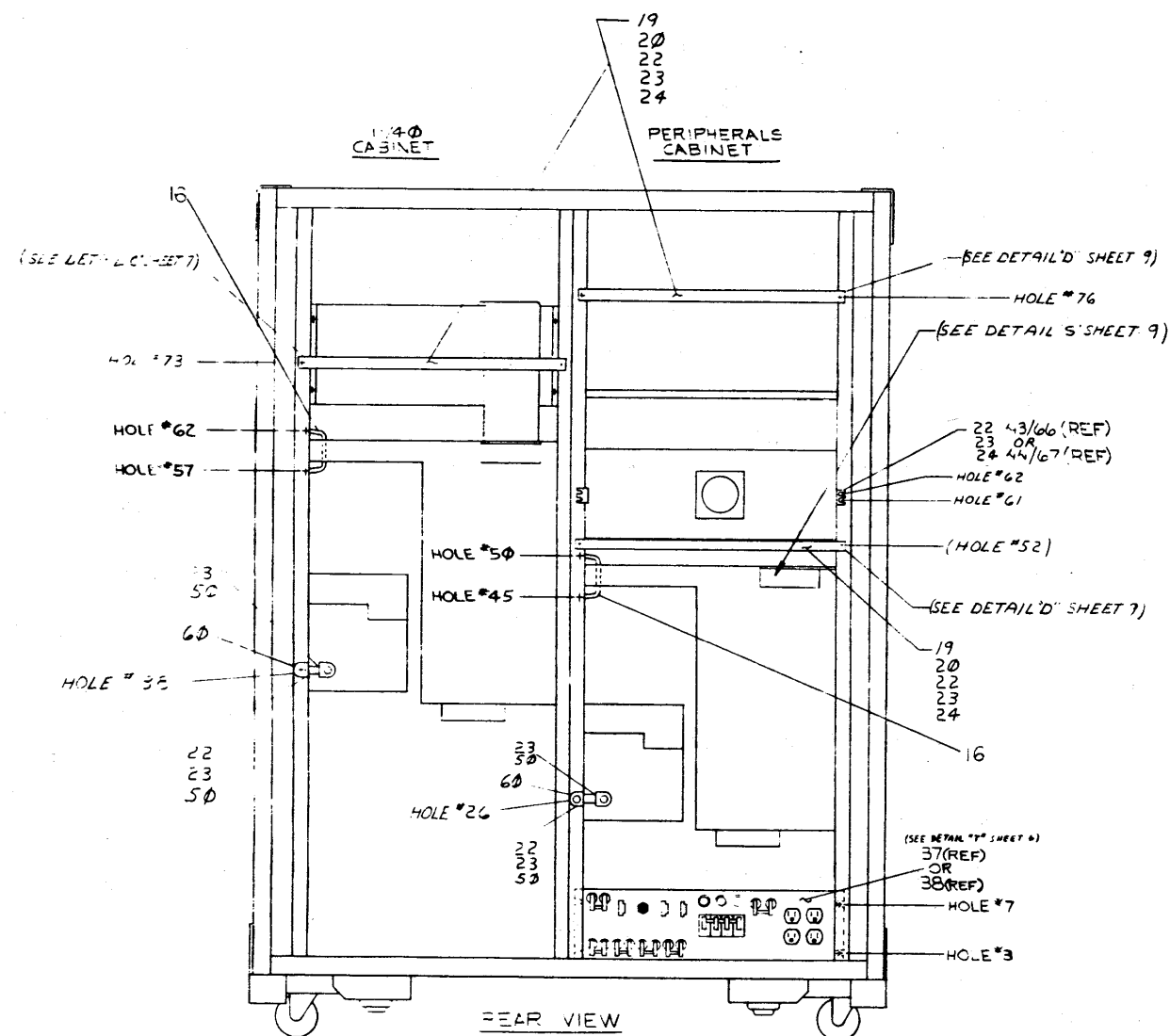
FIRST USED ON OPTION/MODEL 863	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DRN. CHK'D.	DATE 8/15/74	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
TOLERANCES	PROJ. ENG.	DATE 8/15/74	TITLE WIRED ASSY (CHASSIS 863 P.C.)	
DECIMALS .xxx = .005 .xx = .02 .x = .1	REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓	DATE 8/16/74	SIZE CODE C AD	
MATERIAL SEE PARTS LIST	NEXT HIGHER ASSY. E-L-863-0-0	SCALE NONE	NUMBER 7009632-0-0	REV. C
FINISH ++	SHEET 2 OF 2	DIST.		

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION	
					00	01
31	31	C-IA-7414615-0-0	7414615-00	MOUNTING PLATE, CAPACITOR BOX	-	3
32	32		9006071-03	SCREW,TRUS,PHIL, 10-32X 3/8	13	13
33	33		9006073-03	SCREW,TRUS,PHIL, 10-32X 1/2	13	13

D	I	G	I	T	A	L	TITLE	CAPACITOR BOX ASSY	SECTION A OF A
---	---	---	---	---	---	---	-------	--------------------	----------------

SIZE	CODE	DOCUMENT NUMBER	REV
K	PL	7009878-0-DBP	E

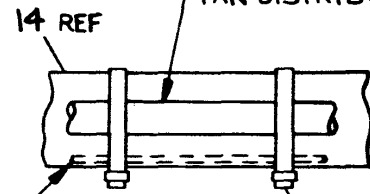
NOTES: CONTINUED FROM SHEET 1 OF 12
 17. IF RX02 IS USED, SWITCHES ON THE
 M7744 MODULE MUST BE SET AT
 S1 = ON AND S2 = OFF.



REV	CHANGE NO	REV

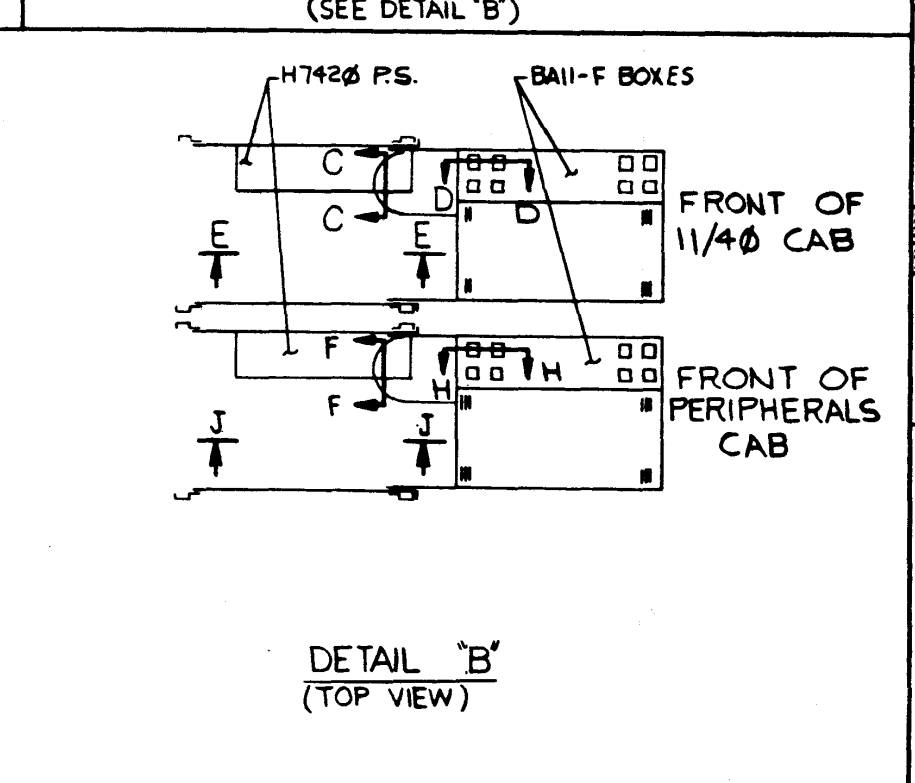
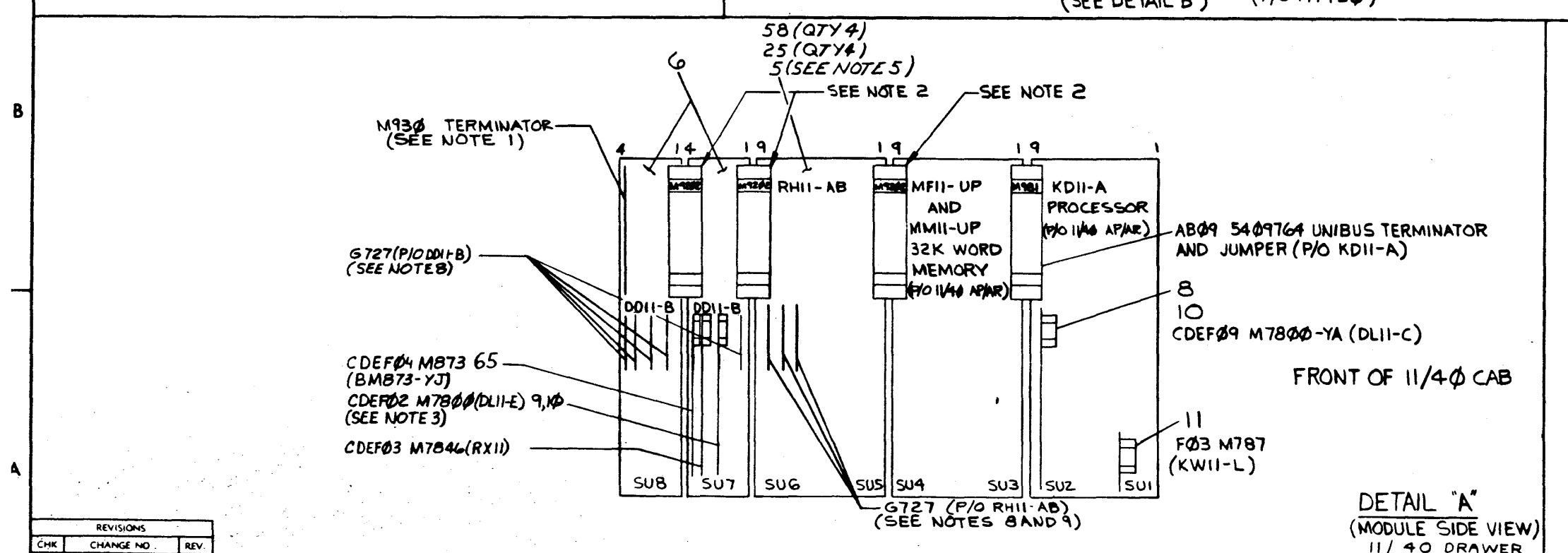
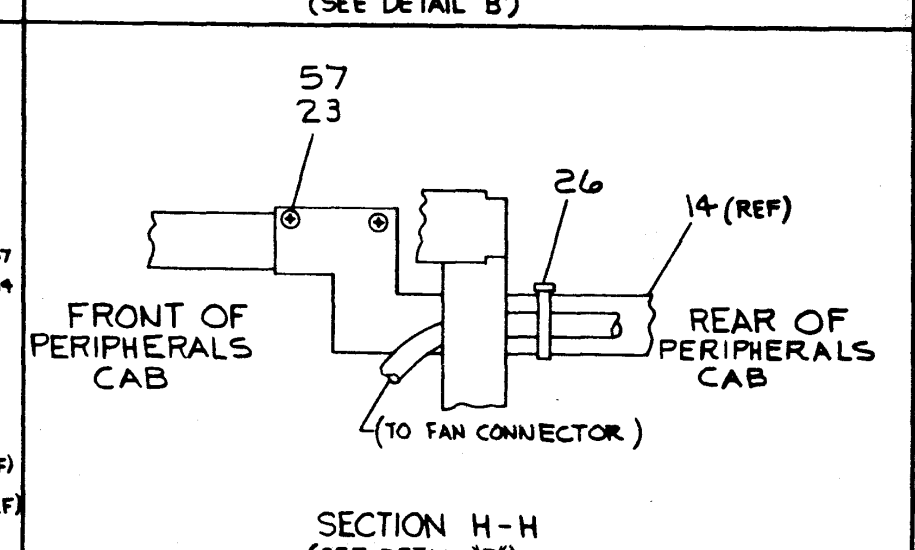
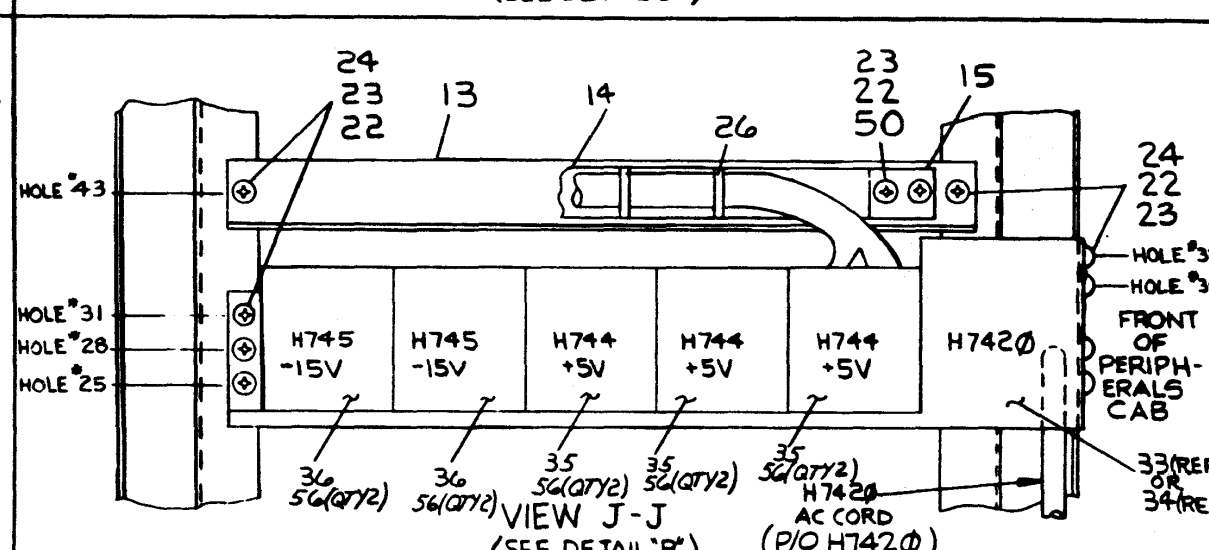
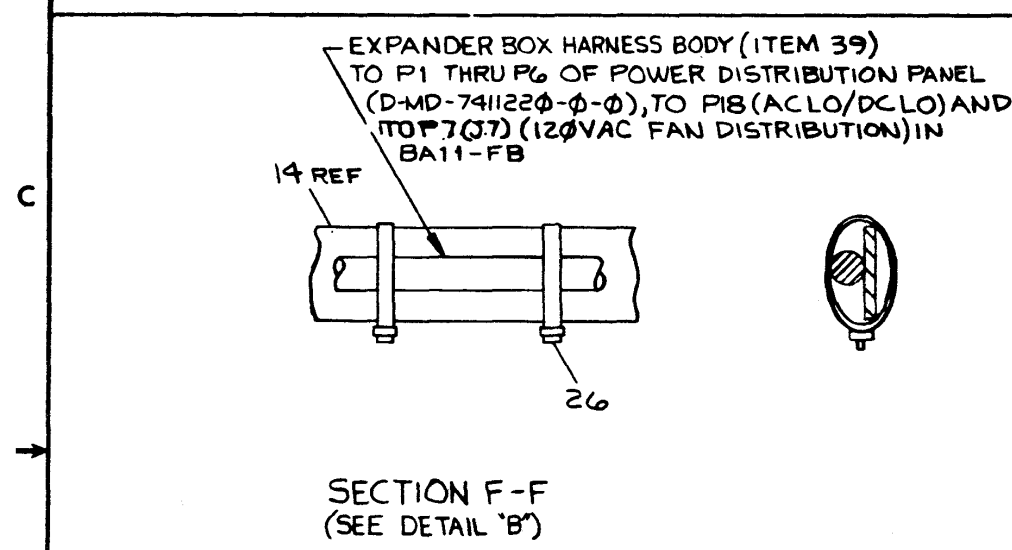
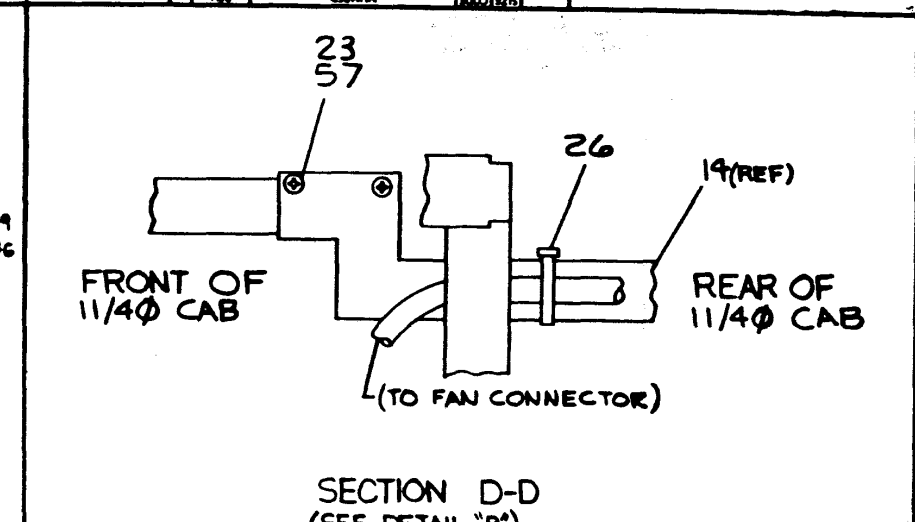
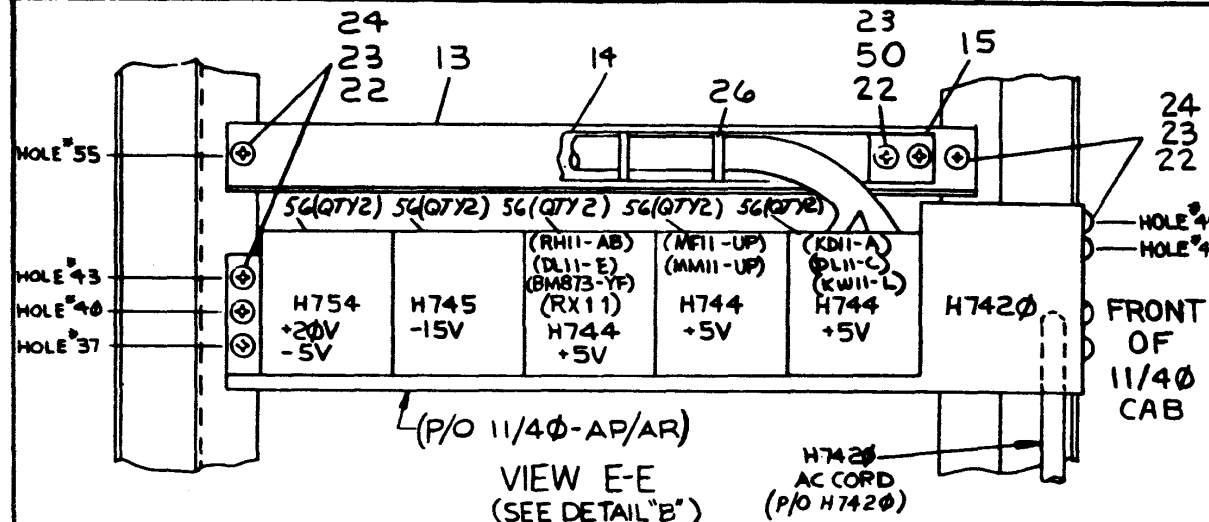
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MAIN HARNESS BODY (PART OF ITEMS 31, 4)
TO P1 THRU P6 OF POWER DISTRIBUTION
PANEL (D-MD-7411220-0-0), TO P18
(ACLO/DCLO) AND TO P7 (J7) (120VAC
FAN DISTRIBUTION) IN BA11-FB



14 REF
CONSOLE TO POWER CONTROL HARNESS
7009053 FOR STANDARD PDP11 11/40
CONFIGURATIONS NOT LOCATED HERE
IN 7011418 CONFIGURATIONS.
(SEE NOTE 4)

SECTION C-C
(SEE DETAIL "B")



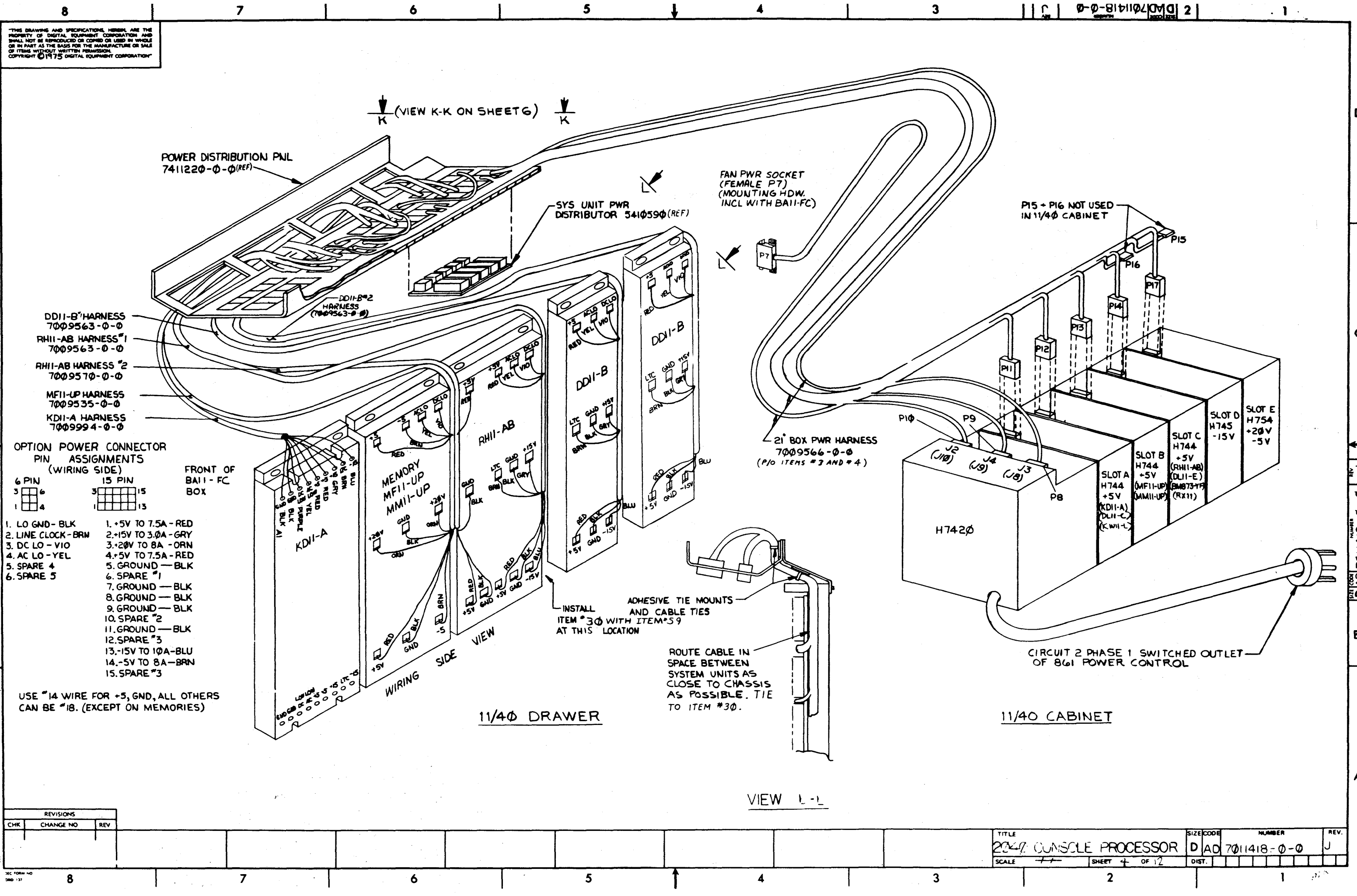
REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE	NUMBER	REV.
2040 CONSOLE PROCESSOR		DAD	7011418-0-0	J
SCALE		SHEET 3 OF 12		DIST.

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D
C
B
A

D
C
B
A



OPTION POWER CONNECTOR PIN ASSIGNMENTS (WIRING SIDE)

6 PIN	15 PIN
1 2 3 4 5 6	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1. LO GND - BLK
2. LINE CLOCK - BRN
3. DC LO - VIO
4. AC LO - YEL
5. SPARE 4
6. SPARE 5
1. +5V TO 7.5A - RED
2. +15V TO 3.0A - GRN
3. +20V TO 8A - ORN
4. +5V TO 7.5A - RED
5. GROUND - BLK
6. SPARE #1
7. GROUND - BLK
8. GROUND - BLK
9. GROUND - BLK
10. SPARE #2
11. GROUND - BLK
12. SPARE #3
13. -15V TO 10A - BLU
14. -5V TO 8A - BRN
15. SPARE #3

USE #14 WIRE FOR +5, GND, ALL OTHERS CAN BE #18. (EXCEPT ON MEMORIES)

CHK	CHANGE NO	REV

TITLE	SIZE CODE	NUMBER	REV.
2047 CONSOLE PROCESSOR	DAD 7011418-0-0	J	
SCALE	SHEET	OF	

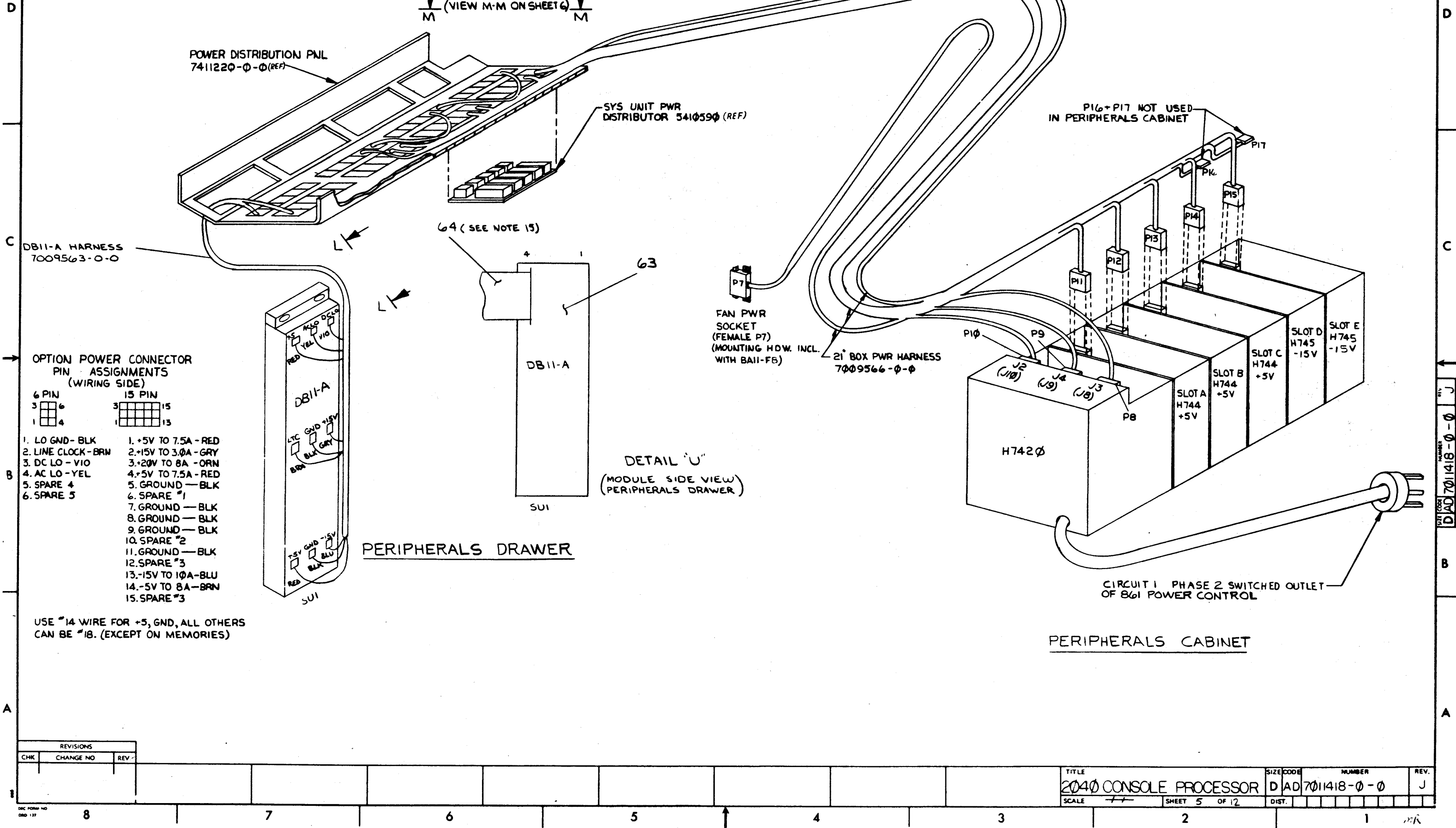
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D

C

B

A



REVISIONS		
CHK	CHANGE NO	REV

DEC FORM NO
000 127

TITLE	SIZE CODE	NUMBER	REV.
2040 CONSOLE PROCESSOR	DAD7011418-0-0		J
SCALE	SHEET	OF	DIST.
	5	12	



TITLE	SIZE	CODE	NUMBER	REV.
2040 CONSOLE PROCESSOR	D	A D	7011418-0-0	J
SCALE ++	SHEET 6 OF 12	DIST.		

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D

C

B

A

D

C

B

A

SMOOTH (SHIELD) SIDE AGAINST BOARD
(BOTH CABLES)

(TO M7231) J1

(TO M7235) J2

VERTICAL MOUNTING
BAR IN REAR OF 11/4" CAB

RIB
(WIRE) SIDE

FRONT VIEW

DETAIL "P"
(SEE VIEW N-N SHEET 8)

KY11-D CONSOLE ASSY
(WITH BEZEL REMOVED)
(SEE NOTE 7)

(SEE NOTE 3)

CONNECT TO BERG
CONNECTOR ON
M7726 MODULE
N RX01 M7744 IN RX02

19(REF)

24

23

22

HOLE #73

BC05C-25
CABLE PART OF DL11-E
(ITEM #9)

BC05L-15 CABLE
PART OF RX02-BA
(ITEM #66) OR RX02-
BD (ITEM #67)

CONNECT TO BERG
CONNECTOR ON
M7846 (RX11)
(RED STRIPE TOWARD MODULE
FINGERS, RIB SIDE OF CABLE
AGAINST MODULE.)

CONNECT TO BERG
CONNECTOR ON M7800
(DL11-E)

INSTALL M930
TERMINATOR IN SLOT AB04
OF DD11-B

7008360-0-0
CABLE PART OF DL11-C
(ITEM #8)

CONNECT TO BERG
CONNECTOR ON M7800-YA
(DL11-C)

CONNECT TO J1
CONNECTOR ON M7235

CONNECT TO J1
CONNECTOR ON M7231

DETAIL "C"

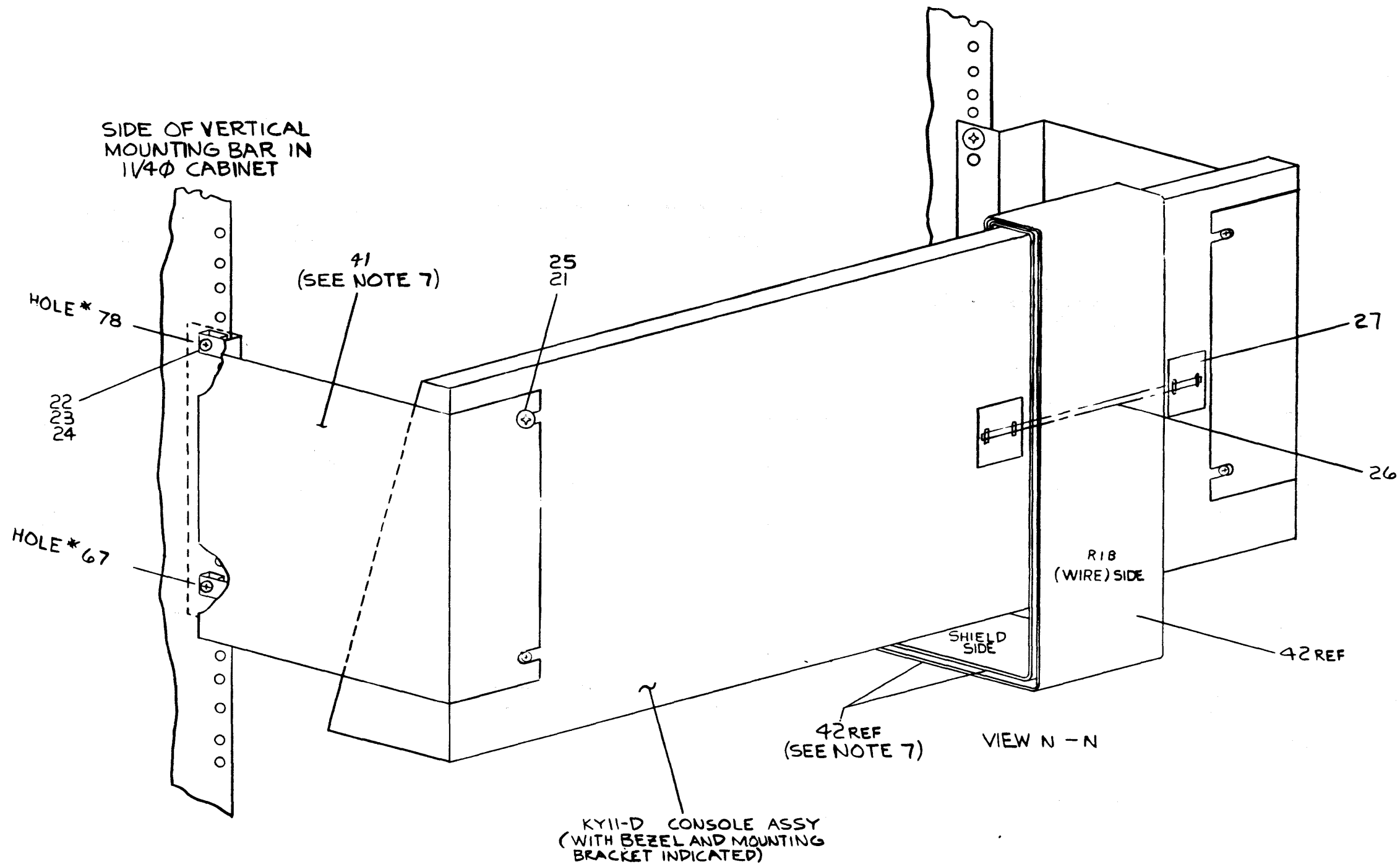
11/4" CABINET

REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE CODE	NUMBER	REV.
204C CONSOLE PROCESSOR		DAD	7011418-0-0	J
SCALE		SHEET	7 OF 12	DIST

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DAD7011418-0-0 2



REAR VIEW

1 1/4" CABINET

REVISIONS		
CHK	CHANGE NO	REV

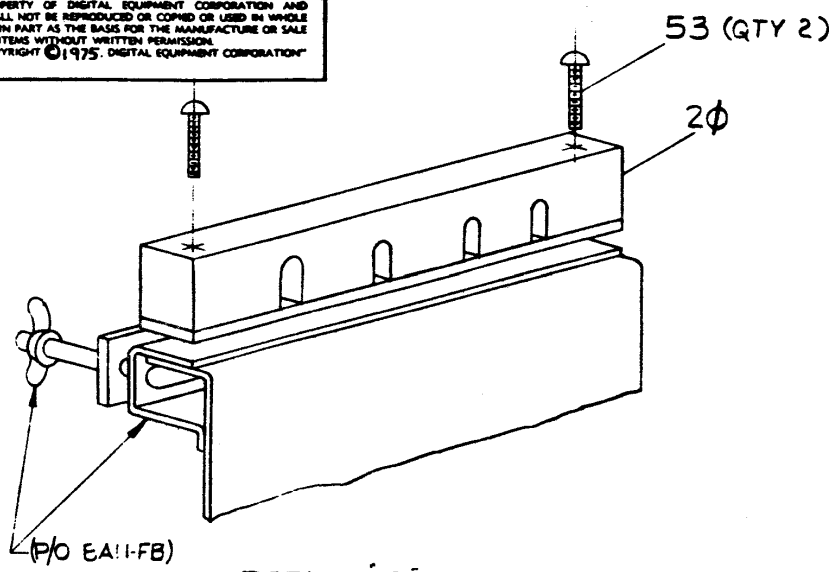
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2040 CONSOLE PROCESSOR		DAD7011418-0-0		J
SCALE	SHEET 8 OF 12	DIST.		

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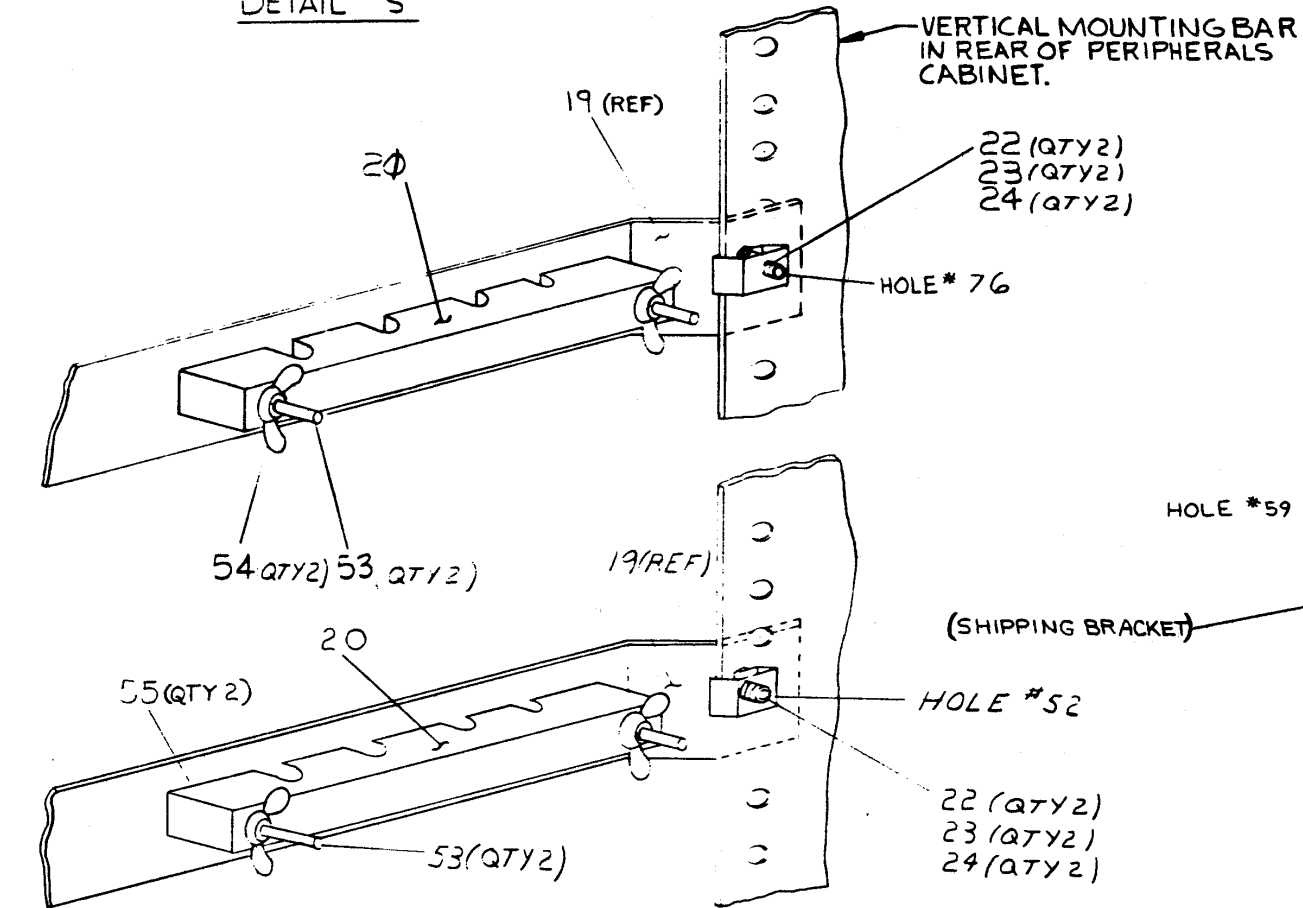
0-0-8101070M0 2

D
C
B
A

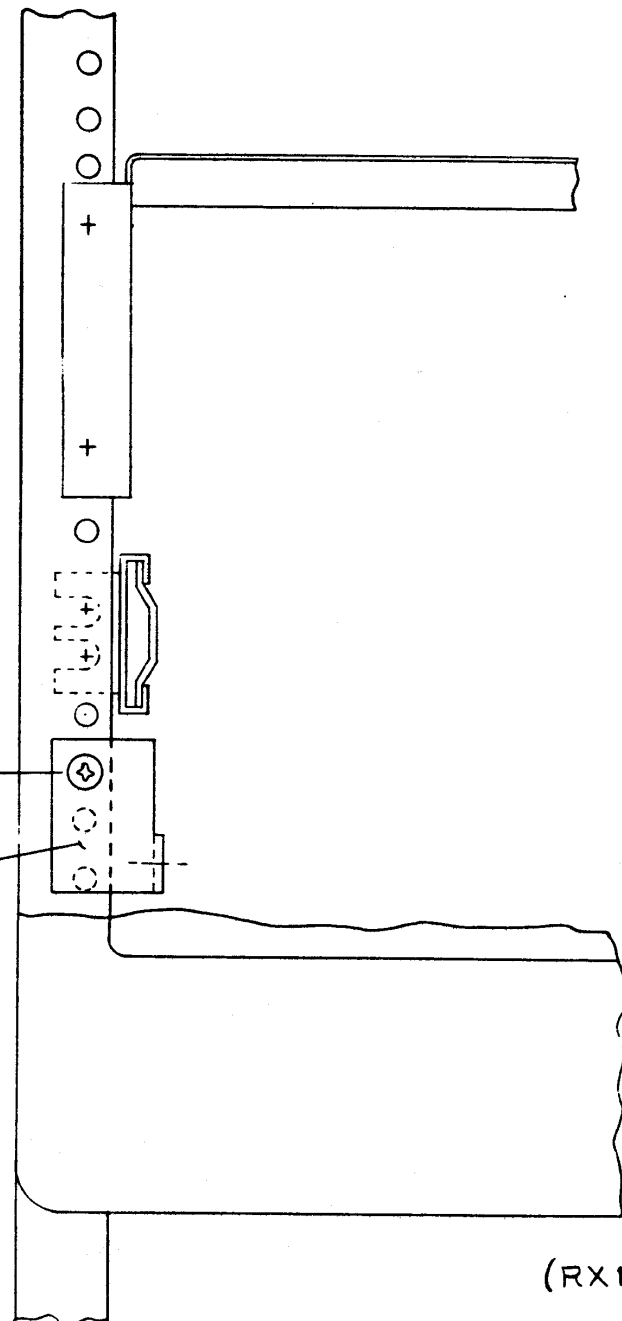
D
C
B
A



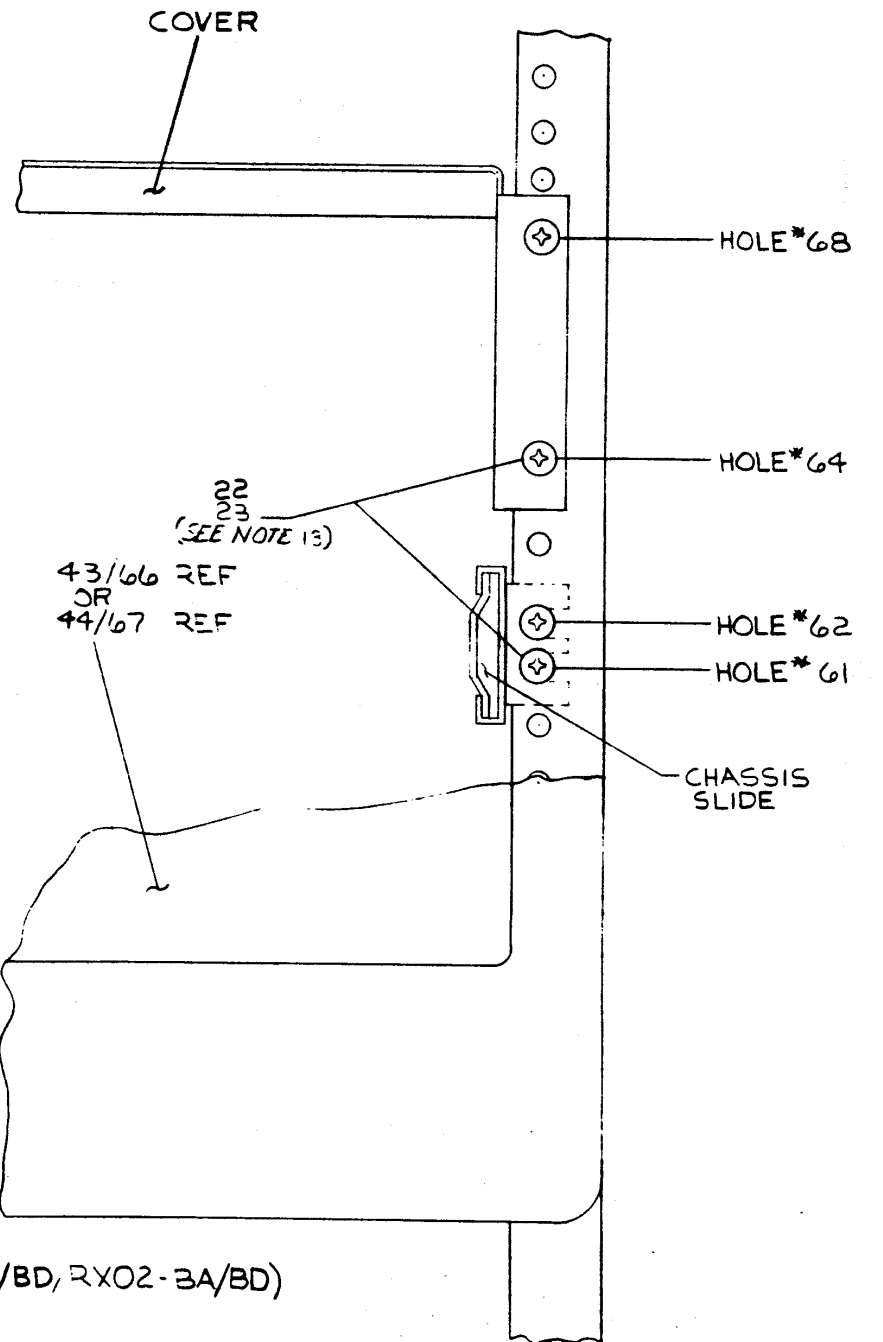
DETAIL 'S'



54 (QTY 2) DETAIL 'D'



DETAIL 'R'



PERIPHERALS CABINET

REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE CODE		NUMBER		REV.	
2040 CONSOLE PROCESSOR		D AD		7011418-0-0		J	
SCALE		SHEET		9 OF 12		DIST.	

KD11-A 11/48 PROCESSOR (WIRE LIST REV K)

5418984 ETCHED BACKPLANE (ETCH REV N/A CS REV C)

W7231 DATA PATHS LOCATION ABCDEF04

LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV D
JUMPER TABLE

JUMPER	STATE	COMMENTS
W1	IN	WITH NO K111-D OPTION
W2	IN (TO GND)	WITH NO K111-D OR K111-A OPTIONS
W3	IN	WITH NO K111-D OPTION
W4	IN	WITH NO K111-D OPTION
W5	IN	WITH NO K111-D OPTION
W6	IN	WITH NO K111-D OPTION
W7	IN	WITH NO K111-D OPTION
W8	IN	WITH NO K111-D OPTION
W9	IN	WITH NO K111-D OPTION
W10	IN (TO BUS)	WITH NO K111-D OPTION

BC08R-03 CABLE FROM CONNECTOR J1 TO CONNECTOR J1 OF KY11-D CONSOLE (SHIELD AWAY FROM BOARD).
BOARD IS NORMALLY RECEIVED IN CORRECT CONFIGURATION.

W7232 MICRO WORD LOCATION ABCDEF03

LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV F

NO JUMPERS
NO CABLES ARE PLUGGED INTO CONNECTORS J1, J2 AND J3 WITH NO K111-E AND K111-F OPTIONS.

W7233 IR DECODE LOCATION ABCDEF05

LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV E
JUMPER TABLE

JUMPER	STATE	COMMENTS
W1	IN	WITH NO K111-A OPTION
W2	IN	DISABLE ESALUM INPUT

BOARD IS NORMALLY RECEIVED IN CORRECT CONFIGURATION.

W7234 TIMING LOCATION ABCDEF07

LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV F
JUMPER TABLE

JUMPER	STATE	COMMENTS
W1	IN (TO BOVFL)	WITH NO K111-A OPTION
W2	IN (TO GND)	WITH NO K111-D OPTION
W3	IN	REMOVE ONLY FOR XOR TESTING
W4	IN	REMOVE ONLY FOR XOR TESTING
W5	OUT	ENABLES PARITY MEMORY

CLOCK ADJUSTMENTS MADE WITH APPROPRIATE SWITCH (S1) SETTING (NOT NORMALLY CHANGED).
BOARD IS NORMALLY RECEIVED IN CORRECT CONFIGURATION.

W7235 STATUS LOCATION ABCDEF06

LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV H
JUMPER TABLE

JUMPER	STATE	COMMENTS
W1	IN (TO BOVFL)	WITH NO K111-A OPTION
W2	IN (TO "0")	COVERS ETCHED "W2"
W3	IN (TO "0")	COVERS ETCHED "W3"
W4	IN (TO "0")	COVERS ETCHED "W4"
W5	IN (TO "1")	COVERS ETCHED "W5"
W6	IN (TO "0")	COVERS ETCHED "W6"
W7	IN (TO "1")	COVERS ETCHED "W7"
W8	OUT	ENABLES PARITY MEMORY

W2-W7 JUMPERS FORM POWER FAIL RESTART VECTOR ADDRESS 24
BC08R-03 CABLE FROM CONNECTOR J1 TO CONNECTOR J2 OF KY11-D CONSOLE (SHIELD AWAY FROM BOARD) BOARD IS NORMALLY RECEIVED IN CORRECT CONFIGURATION.

W991 UNIBUS JUMPER TERMINATOR LOCATION AB09

LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV A
CONNECTS LOCATION AB09 IN KD11-A TO LOCATION AB01 IN WF11-UP.
NO JUMPERS OR OTHER CONFIGURABLE COMPONENTS.

KY11-DK KLI0 PROGRAMMERS CONSOLE

5409701-02 KLI0 CONSOLE MODULE

LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV L

KW11-L CLOCK

W787 LINE TIME CLOCK LOCATION F03 (KD11-A BACKPLANE)

LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV D
CLOCK STATUS REGISTER (LKS) 777546

INTERRUPT VECTOR ADDRESS 100
PRIORITY LEVEL 006
JUMPER WIRE IN KD11-A BACKPLANE BETWEEN PIN F03R2 AND PIN F03V2
MUST BE REMOVED WHEN THE KW11-L IS INSTALLED IN ORDER TO ENABLE SIGNAL BG 6 W.
BOARD IS NORMALLY RECEIVED IN CORRECT CONFIGURATION

WF11-UP AND WM11-UP MEMORIES

5418345 ETCHED BACKPLANE

LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV C

W0293 18K UNIBUS TIMING LOCATIONS CDEF01 AND CDEF00

LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV E
JUMPER TABLE FOR LOCATION CDEF00

JUMPER	STATE	COMMENTS
W1	IN	WITH NO INTERLEAVING
W2	OUT	WITH NO INTERLEAVING
W3	IN	UPPER 18K ADDRESS BIT A13
W4	IN	UPPER 18K ADDRESS BIT A14
W5	OUT	UPPER 18K ADDRESS BIT A15
W6	IN	UPPER 18K ADDRESS BIT A16
W7	IN	UPPER 18K ADDRESS BIT A17
W8	OUT	WITH NO INTERLEAVING
W9	OUT	WITH NO INTERLEAVING
W10	OUT	WITH NO INTERLEAVING

JUMPER TABLE FOR LOCATION CDEF01

JUMPER	STATE	COMMENTS
W1	IN	WITH NO INTERLEAVING
W2	OUT	WITH NO INTERLEAVING
W3	IN	LOWER 18K ADDRESS BIT A13
W4	IN	LOWER 18K ADDRESS BIT A14
W5	IN	LOWER 18K ADDRESS BIT A15
W6	IN	LOWER 18K ADDRESS BIT A16
W7	IN	LOWER 18K ADDRESS BIT A17
W8	OUT	WITH NO INTERLEAVING
W9	OUT	WITH NO INTERLEAVING
W10	OUT	WITH NO INTERLEAVING

THIS BOARD MAY NOT BE INDIVIDUALLY REPLACED AS IT IS PART OF A SET. WHEN FIELD REPLACEMENT IS NECESSARY THE ENTIRE SET MUST BE REPLACED (H217C, G114, G235, W0293).

G235 X-Y DRIVE LOCATIONS ABCDEF05 AND ABCDEF06

LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV K
JUMPER TABLE FOR BOTH LOCATIONS

JUMPER	STATE	COMMENTS
W1	*	SENSE STROBE TIMING
W2	*	SENSE STROBE TIMING
W3	*	SENSE STROBE TIMING
W4	*	SENSE STROBE TIMING
W5	*	MEMORY DRIVE BIAS CURRENT
W6	*	MEMORY DRIVE BIAS CURRENT
W7	*	MEMORY DRIVE BIAS CURRENT

*THE APPROPRIATE JUMPERS IN THIS GROUP ARE INSTALLED DURING MEMORY BUILD TIME TO OPTIMIZE STROBE TIME AND BIAS CURRENT FOR THE OTHER MODULES WITH WHICH IT IS USED (W0293, G114 AND H217). THIS GROUP OF MODULES COMPRISE A SET. INDIVIDUAL MODULES IN THIS SET MAY NOT BE INDISCRIMINATELY INTERCHANGED WITHOUT SPECIFIC ADJUSTMENTS WHICH CAN ONLY BE DONE AT THE FACTORY. WHEN FIELD REPLACEMENT IS NECESSARY, THE ENTIRE SET MUST BE REPLACED (H217C, G114, G235 AND W0293).

G114 18K SENSE/INHIBIT LOCATIONS ABCDEF03 AND ABCDEF00

LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV E

NO JUMPERS OR OTHER CONFIGURABLE COMPONENTS.
THIS BOARD MAY NOT BE INDIVIDUALLY REPLACED AS IT IS PART OF A SET. WHEN FIELD REPLACEMENT IS NECESSARY, THE ENTIRE SET MUST BE REPLACED (H217C, G114, G235 AND W0293).

H217C STACK BOARD LOCATIONS ABCDEF04 AND ABCDEF07

LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV N/A

JUMPERS W1 AND W2 ARE CURRENT LOOPS USED FOR TEST PURPOSES ONLY. THIS BOARD MAY NOT BE INDIVIDUALLY REPLACED AS IT IS PART OF A SET. WHEN FIELD REPLACEMENT IS NECESSARY, THE ENTIRE SET MUST BE REPLACED (H217C, G114, G235 AND W0293).

W7259 PARITY CONTROL LOCATION AB02

LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV F
JUMPER TABLE

JUMPER	STATE	COMMENTS
W1	IN	ADDRESS BIT A01
W2	IN	ADDRESS BIT A02
W3	IN	ADDRESS BIT A03
W4	IN	ADDRESS BIT A04
W5	OUT	USED FOR EXTERNAL CAP IF REQUIRED
W6	IN	IN FOR /-UP VERSIONS
W7	IN	DON'T HANG BUS ON PARITY ERROR

W1-W4 CORRESPOND TO A CSR ADDRESS OF 772100. ONLY ONE BOARD REQUIRED PER 32K OF CORE. R16 IS USED TO ADJUST TIME BETWEEN LOW GOING EDGE OF SIGNAL MEASURED ON PIN B02U1 AND HIGH GOING EDGE OF SIGNAL MEASURED ON PIN A02S2 TO 135NS. BOARD IS NORMALLY RECEIVED IN CORRECT CONFIGURATION.

W930 UNIBUS TERMINATOR LOCATION AB09

LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV D

THIS TERMINATOR WILL BE MOVED TO LOCATION AB04 OF THE CDH-B LOGIC ASSEMBLY WHEN COMPLETE SYSTEM IS CONFIGURED. NO JUMPERS OR OTHER CONFIGURABLE COMPONENTS.

WM11-AB MASSBUS CONTROLLER

5418506 ETCHED BACKPLANE

LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV C

W7294 DATA BUFFER CONTROL LOCATION ABCDEF03

LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV F
JUMPER TABLE

JUMPER	STATE	COMMENTS
W1	IN	SENSE UNIBUS A PARITY ERROR
W2	IN	SENSE UNIBUS B PARITY ERROR
E06, PINS 1-16	IN	START COUNT 64 WORDS
E06, PINS 5-12	OUT	START COUNT 32 WORDS
E06, PINS 7-10	OUT	START COUNT 16 WORDS
E06, PINS 2-15	IN	DISABLE HOG MODE
E06, PINS 3-14	OUT	ENABLE BACK TO BACK MEM. CYCLES

BOARD IS NORMALLY RECEIVED IN CORRECT CONFIGURATION.

W7295 BUS CONTROL LOCATION ABCDEF02

LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV D
JUMPER TABLE

JUMPER	STATE	COMMENTS
W1	OUT	ADDRESS BIT 12
W2	OUT	ADDRESS BIT 11
W3	OUT	ADDRESS BIT 10
W4	IN	ADDRESS BIT 09
W5	OUT	ADDRESS BIT 08
W6	OUT	ADDRESS BIT 07
W7	OUT	ADDRESS BIT 06
W8	IN	ADDRESS BIT 05
E3, PINS 1-16	OUT	16-32 REGISTERS
E3, PINS 2-15	OUT	16-32 REGISTERS
E3, PINS 3-14	IN	1-16 REGISTERS
E3, PINS 4-13	IN	1-16 REGISTERS
E3, PINS 5-12	IN	SIXTEEN REGISTERS
E3, PINS 6-11	OUT	EIGHT REGISTERS
E3, PINS 7-10	IN	FOUR REGISTERS
E3, PINS 8-9	OUT	TWO REGISTERS
W11	IN	VECTOR BIT V2
W12	IN	VECTOR BIT V3
W13	OUT	VECTOR BIT V4
W14	IN	TOR BIT V5
W15	OUT	JR BIT V6
W16	IN	JR BIT V7
W17	OUT	OR BIT V8
W18	IN	LATENCY
W19	IN	NTENANCE (MXF ERRORS)

W1-W8 CORRESPOND TO A BAI...SS OF 776700
W11-W17 CORRESPOND TO A VEC... ADDRESS OF 254
JUMPERS ON E3 ARE SET FOR 20 REGISTERS
DIP SITE E57 CONTAINS PRIORITY PLUG 5408778-0-0 (BR5)
BOARD IS NORMALLY RECEIVED IN CORRECT CONFIGURATION.

W7296 CONTROL AND STATUS REGISTERS LOCATION EF01

LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV B
INSTALL JUMPER W1 TO ALLOW ONLY UNIBUS A TO BE SELECTED

W7297 PARITY CONTROL LOCATION CD01

LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV A
NO JUMPERS OR OTHER CONFIGURABLE COMPONENTS
THERE ARE TWO VISUAL INDICATORS (LEDS) FOR MASSBUS PARITY ERROR DISPLAY ON THIS BOARD (LIT IF PARITY ERROR DETECTED).

W9300 UNIBUS B TERMINATOR LOCATION AB09

LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV 0
JUMPER TABLE

JUMPER	STATE	COMMENTS
W1	OUT	BEGINNING OF BUS
W2	IN	NOT END OF BUS
W3	IN	NOT END OF BUS

THERE IS A VISUAL INDICATOR (LED) FOR AN ILLEGAL JUMPER CONFIGURATION CHECK (LIT IF ILLEGAL).

W5984 CONTROLLER TRANSCEIVER LOCATIONS CD04, CD05 AND CD06

LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV D
NO JUMPERS OR OTHER CONFIGURABLE COMPONENTS.

W600 UNIBUS POWER FAIL DRIVERS LOCATIONS E04 AND E05

NOTE: THE W600'S IN THESE TWO LOCATIONS ARE NOT REQUIRED BY THE PARTICULAR SYSTEMS CONFIGURATION IN WHICH THIS RH11 WILL BE USED AND HENCE MUST BE REMOVED FROM THE SYSTEM.

GENERAL NOTE: THE THREE SPC SLOTS IN LOCATIONS CDEF07, CDEF08 AND CDEF09 WILL NOT EXIST IN BACKPLANES WIRED TO WIRELIST REV K-WL-RH11-0-12 OR HIGHER. THE THREE 6727 GRANT CONTINUITY MODULES WILL NOT BE NEEDED IN THESE BACKPLANES.

REV	CHG	NO	REV
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2240 CONSOLE PROCESSOR	SIZE CODE	NUMBER	REV.
DAD 7011418-0-0			J
SCALE	SHEET 13 OF 12	DIST.	

DL11-C CONSOLE TERMINAL CONTROLLER
M7800-YA ASYNC. LINE INTERFACE LOCATION CDEF09 (KD11-A BACKPLANE)
LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV H
JUMPER TABLE

JUMPER	STATE	COMMENTS
J1	EITHER	EIA REQUEST TO SEND
J2	OUT	EIA FORCE BUSY
J3	EITHER	REQUEST TO SEND CONTROL
J4	EITHER	EIA DATA LEADS ONLY
J5	IN	BREAK
J6	OUT	DATA SET INTERRUPTS
J7	OUT	DATA SET STATUS BITS
J8	IN	ERROR BITS
J9	OUT	STOP BITS
J10	IN	STOP BITS
J11	OUT	STOP BITS
2SB	IN	STOP BITS
NP	OUT	PARITY BITS
EPS	EITHER	PARITY BITS
NB1	OUT	DATA BITS
NB2	OUT	DATA BITS
N1	IN	NPR LATENCY
A3	IN	ADDRESS BITS 03
A4	OUT	ADDRESS BITS 04
A5	OUT	ADDRESS BIT 05
A6	OUT	ADDRESS BIT 06
A7	IN	ADDRESS BIT 07
A8	OUT	ADDRESS BIT 08
A9	OUT	ADDRESS BIT 09
A10	OUT	ADDRESS BIT 10
V3	OUT	VECTOR BIT 03
V4	IN	VECTOR BIT 04
V5	IN	VECTOR BIT 05
V6	OUT	VECTOR BIT 06
V7	OUT	VECTOR BIT 07
V8	OUT	VECTOR BIT 08

THE STOP BIT JUMPERING CORRESPONDS TO ONE STOP BIT.
THE PARITY BIT JUMPERING CORRESPONDS TO NO HARDWARE PARITY.
THE DATA BIT JUMPERING CORRESPONDS TO EIGHT DATA BIT.
A3-A10 CORRESPOND TO A BASE ADDRESS OF 777560.
V3-V8 CORRESPOND TO A VECTOR ADDRESS OF 60
OPERATING SPEED =300 BAUD IF CTY IS AN LA36(SWITCH POSITION #2 FOR BOTH TRANSMIT AND RECEIVE). OPERATING SPEED =1200 BAUD IF CTY IS AN LA120(SWITCH POSITION #4 FOR BOTH TRANSMIT AND RECEIVE). REMOVE C29 AND C31 CRYSTAL 1805501-7 (4.600MHZ-SPEED GROUP #4).
PRIORITY PLUG 5408776-0-0 (BR4)
RECEIVER STATUS REGISTER (RCSR) 777560
RECEIVED DATA BUFFER REGISTER (RBUF) 777562
TRANSMITTER STATUS REGISTER (XCRS) 777564
TRANSMITTED DATA BUFFER REGISTER (XBUF) 777566

BM873-YJ BOOTSTRAP ROM LOADER
M873-YJ RESTART LOADER LOCATION CDEF02
DD11-B BACKPLANE
LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV J

THE M873-YJ MODULE SHOULD ALREADY BE CONFIGURED CORRECTLY. HOWEVER, AS A QUICK VERIFY THE MODULE MAY BE COMPARED AGAINST THE FOLLOWING TABLE.

DIODE FIELD

BOOT FUNCTION	STARTING ADDRESS	BIT 8	BIT 7	BIT 6	BIT 5	BIT 4	BIT 3	BIT 2	BIT 1
SWITCH		D29	D25	D21	D17	D13	D9	D5	D1
REG	773000	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT
RJP04		D30	D26	D22	D18	D14	D10	D6	D2
DISK	773030	OUT	OUT	OUT	OUT	IN	IN	OUT	OUT
RX11		D31	D27	D23	D19	D15	D11	D7	D3
FLOPPY	773020	OUT	OUT	OUT	OUT	IN	OUT	OUT	OUT
DTE20		D32	D28	D24	D20	D16	D12	D8	D4
	773230	OUT	IN	OUT	OUT	IN	IN	OUT	OUT

DL11-E REMOVE LINK CONTROLLER
M7600 ASYNC LINE INTERFACE LOCATION CDEF01 (DD11-B) BACKPLANE
LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV P
JUMPER TABLE

JUMPER	STATE	COMMENTS
J1	IN	EIA REQUEST TO SEND
J2	OUT	EIA FORCE BUSY
J3	IN	REQUEST TO SEND CONTROL
J4	OUT	EIA DATA LEADS ONLY
J5	IN	BREAK
J6	IN	DATA SET INTERRUPTS
J7	IN	DATA SET STATUS BITS
J8	IN	ERROR BITS
J9	OUT	STOP BITS
J10	IN	STOP BITS
J11	OUT	STOP BITS
2SB	IN	STOP BITS
NP	OUT	PARITY BITS
EPS	EITHER	PARITY BITS
NB1	OUT	DATA BITS
NB2	OUT	DATA BITS
N1	IN	NPR LATENCY
A3	OUT	ADDRESS BIT 03
A4	IN	ADDRESS BIT 04
A5	IN	ADDRESS BIT 05
A6	IN	ADDRESS BIT 06
A7	OUT	ADDRESS BIT 07
A8	OUT	ADDRESS BIT 08
A9	OUT	ADDRESS BIT 09
A10	IN	ADDRESS BIT 10
V3	OUT	VECTOR BIT 03
V4	OUT	VECTOR BIT 04
V5	OUT	VECTOR BIT 05
V6	IN	VECTOR BIT 06
V7	IN	VECTOR BIT 07
V8	OUT	VECTOR BIT 08

THE STOP BIT JUMPERING CORRESPONDS TO ONE STOP BIT.
THE PARITY BIT JUMPERING CORRESPONDS TO NO HARDWARE PARITY.
THE DATA BIT JUMPERING CORRESPONDS TO EIGHT DATA BITS.
A3-A10 CORRESPOND TO A BASE ADDRESS OF 775610
V3-V8 CORRESPOND TO A VECTOR ADDRESS OF 300
OPERATING SPEED 300 BAUD (SWITCH POSITION #2 FOR BOTH TRANSMIT AND RECEIVE).
CRYSTAL 1805501-7 (4.600MHZ - SPEED GROUP #4)
PRIORITY PLUG 5498776-0-0 (BR4)
RECEIVER STATUS REGISTER (RCSR) 775610
RECEIVED DATA BUFFER REGISTER (RBUF) 775012
TRANSMITTER STATUS REGISTER (XCSR) 775614
TRANSMITTED DATA BUFFER REGISTER (XBUF) 775616

ROM PART NOS.

LOCATION	PART NUMBER
E16	23412A2
E17	24313A2
E19	23414A2
E20	23415A2

JUMPER CONFIG.

W1 IN
W2 OUT
W3 OUT
RESISTOR R3 SHOULD BE REMOVED

BM873-YF BOOTSTRAP ROM LOADER (OBSOLETE-FOR REF ONLY)
M873-YF RESTART LOADER LOCATION CDEF02 (DD11-B BACKPLANE)
LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV F
DIODE INSTALLATION TABLE

DIODE	STATE	COMMENTS
D1	OUT	BIT 1, WORD 1
D2	OUT	BIT 1, WORD 2
D3	OUT	BIT 1, WORD 3
D4	OUT	BIT 1, WORD 4
D5	OUT	BIT 2, WORD 1
D6	OUT	BIT 2, WORD 2
D7	OUT	BIT 2, WORD 3
D8	IN	BIT 2, WORD 4
D9	OUT	BIT 3, WORD 1
D10	IN	BIT 3, WORD 2
D11	OUT	BIT 3, WORD 3
D12	IN	BIT 3, WORD 4
D13	OUT	BIT 4, WORD 1
D14	IN	BIT 4, WORD 2
D15	IN	BIT 4, WORD 3
D16	IN	BIT 4, WORD 4
D17	OUT	BIT 5, WORD 1
D18	OUT	BIT 5, WORD 2
D19	OUT	BIT 5, WORD 3
D20	IN	BIT 5, WORD 4
D21	OUT	BIT 6, WORD 1
D22	OUT	BIT 6, WORD 2
D23	OUT	BIT 6, WORD 3
D24	IN	BIT 6, WORD 4
D25	OUT	BIT 7, WORD 1
D26	OUT	BIT 7, WORD 2
D27	OUT	BIT 7, WORD 3
D28	OUT	BIT 7, WORD 4
D29	OUT	BIT 8, WORD 1
D30	OUT	BIT 8, WORD 2
D31	OUT	BIT 8, WORD 3
D32	IN	BIT 8, WORD 4

JUMPER TABLE
JUMPER STATE COMMENTS
W1 IN IN FOR 11/40 USE
W2 OUT IN FOR 11/05, 11/20 AND 11/45 USE
W3 OUT ENABLE UPPER ROMS
RESISTOR R3 MUST BE REMOVED
INPUT #1 OFFSET ADDRESS 000(SW/REG)
INPUT #2 OFFSET ADDRESS 030(DISK)
INPUT #3 OFFSET ADDRESS 020(FLOPPY)
INPUT #4 OFFSET ADDRESS 574(DTE 20)

DD11-B PERIPHERAL MOUNTING PANEL (WIRE LIST REV E)
54-2057 ETCHED BACKPLANE
LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV B
H7-20 BULK POWER SUPPLY (CS REV A) (11/40 AND PERIPHERALS CAB)
H7-- +5V REGULATOR
LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV R
H7-5 -15V REGULATOR
LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV S
H7-- +20V, -5V REGULATOR
LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV H
54-2086 REGULATOR
LOWEST ACCEPTABLE REVISION ETCH REV N/A CS REV H

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RX0/RX02 FLOPPY DISK CONTROLLER/DRIVE

M7846 RX0/RX02/RX11 INTERFACE LOCATION COEF#3 (D011-B BACKPLANE)

LOWEST ACCEPTABLE REVISION ETCH REV A CS REV B
JUMPER TABLE

JUMPER	STATE	COMMENTS
A3	OUT	ADDRESS BIT 03
A4	OUT	ADDRESS BIT 04
A5	OUT	ADDRESS BIT 05
A6	OUT	ADDRESS BIT 06
A7	IN	ADDRESS BIT 07
A8	IN	ADDRESS BIT 08
A9	OUT	ADDRESS BIT 09
A10	OUT	ADDRESS BIT 10
A11	OUT	ADDRESS BIT 11
A12	OUT	ADDRESS BIT 12
V2	IN	VECTOR BIT 02
V3	IN	VECTOR BIT 03
V4	OUT	VECTOR BIT 04
V5	IN	VECTOR BIT 05
V6	OUT	VECTOR BIT 06
V7	IN	VECTOR BIT 07
V8	OUT	VECTOR BIT 08

A3-A10 CORRESPOND TO A BASE ADDRESS OF 777170
V2-V8 CORRESPOND TO A VECTOR ADDRESS OF 264
PRIORITY PLUG 5409770-0-0 (BR5)
COMMAND AND STATUS REGISTER (RXCS) 777170
DATA BUFFER REGISTER (RXDB) 777172
CABLE BC05L-15 CONNECTED BETWEEN BERG CONNECTOR AND MATING CONNECTOR ON M7726.
(RED LINE TOWARD MODULE FINGERS, RIB AGAINST MODULE)

M7726 MICROPROGRAMMED DRIVE CONTROLLER

LOWEST ACCEPTABLE REVISION ETCH REV A CS REV E
NO JUMPERS OR OTHER CONFIGURABLE COMPONENTS.
THE KM11 MAINTENANCE MODULE SET (W130 W131) WITH OVERLAY A-SS-5509001-0-14
MAY BE USED TO SINGLE STEP THROUGH THE FIRMWARE. A SPECIAL CONNECTOR IS
ALLOCATED FOR THIS PURPOSE. THE LIGHT AND SWITCH FUNCTIONS ARE AS FOLLOWS:

SWITCH	FUNCTION
RUN ENAB	ON - M7726 CLOCK OFF - MAINTENANCE CLOCK (CONTINUE)
CONTINUE	ON - ADVANCE FIRMWARE ONE STEP OFF - NORMAL POSITION
ERROR HLT	ON - HALT CONTROLLER WHEN ERROR DETECTED OFF - NO HALT WHEN ERROR DETECTED
LIGHT	FUNCTION
HALT	FIRMWARE HALTED
INST 1 AND 0	INSTRUCTION BITS
SELECT FLD	SELECTS 1 OF 16 CONDITIONS
C0 AND C1	CONTROL FUNCTIONS
FIELD	ROW FIELD
PROGRAM COUNTER (0-5)	ADDRESS+1 OF INSTRUCTION DISPLAYED
COUNTER (0-7)	DISPLAYS CONTENTS OF COUNTER REGISTER

CARE MUST BE TAKEN TO PLUG BC05L-15 CABLE INTO ITS APPROPRIATE CONNECTOR PROPERLY ORIENTED.
(SMOOTH SIDE OF CABLE AGAINST MODULE, RED LINE TOWARD FRONT OF DRIVE)

M7727 READ/WRITE CONTROL

LOWEST ACCEPTABLE REVISION ETCH REV A CS REV A
NO JUMPERS OR OTHER CONFIGURABLE COMPONENTS
CONNECTOR TABLE

CONNECTOR	DESCRIPTION
J1	DISK DRIVE INTERFACE CABLE
J2	POWER FROM M771 POWER SUPPLY
DK0(P3)	HEAD CABLE
DK0(P4)	STEPPER MOTOR
DK0(P5)	HEAD LOAD SOLENOID
DK0(P6)	INDEX SIGNAL
DK0(P7)	TRACK ZERO SIGNAL
DK0(P8)	WRITE PROTECT (NOT USED)
DK1(P3)	HEAD CABLE
DK1(P4)	STEPPER MOTOR
DK1(P5)	HEAD LOAD SOLENOID
DK1(P6)	INDEX SIGNAL
DK1(P7)	TRACK ZERO SIGNAL
DK1(P8)	WRITE PROTECT (NOT USED)

M771 POWER SUPPLY REGULATOR (5411398)

LOWEST ACCEPTABLE REVISION ETCH REV A CS REV C

REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE CODE	NUMBER	REV.
2040 CONSOLE PROCESSOR		DAD 7011418-0-0	J	
SCALE		SHEET 12 OF 12	DIST	

REV J
DAD 7011418-0-0

mk

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION	
					01	02
1	1	E-AD-7011293-0-0	7011293-01	CABINET	1	1
2	2	E-AD-7011293-0-0	7011293-04	*** THIS ITEM IS NOT USED ***	-	-
3	3	D-UA-11/40-AP-0	11/40-AP	11/40-AK,MM11-UP,120V	1	-
4	4	D-UA-11/40-AR-0	11/40-AR	11/40-AL,MM11-UP,240V	-	1
5	5	D-UA-RH11-AB-0	ORH11-AB	RS03 CONTROL UP TO 16 DUAL PORT	1	1
6	6	A-PL-DD11-B-0	ODD11-B	CARD CONTROL , MOUNTING PANEL	2	2
7	7	D-CS-BM873-YF-0	BM873-YF	*** THIS ITEM IS NOT USED ***	-	-
8	8	A-PL-DL11-0-0	ODL11-C	DL11-A 5-8 BIT PARITY CHOICE	1	1
9	9	A-PL-DL11-0-0	ODL11-E	ASYN LINE INTERF	1	1
10	10	A-PS-1805501-0-0	1805501-07	XTAL 4.608 MHZ	2	2
11	11	A-PL-KW11-L-0	OKW11-L	CLOCK LINE FREQUENCY INTERVAL	1	1
12	12	D-UA-M9202-0-0	M9202-00	CABLE UNIBUS JUMPER	3	3
13	13	D-MD-7409445-0-0	7409445-00	BRACKET, HARNESS SUPPRT	2	2
14	14	D-IA-7409446-0-0	7409446-00	HARNESS, SUPPORT	2	2
15	15	B-MD-7409447-0-0	7409447-00	PLATE, SUPPORT	2	2
16	16	A-PL-7010865-0-0	7010865-00	BRKT SHIPPING 11/70	2	2
17	17	SEE NOTE 1	7409305-02	BEZEL REWORK 11/45	1	1
18	18	SEE NOTE 1	7011769-00	CONSOLE REWORK	1	1
19	19	C-IA-7410581-0-0	7410581-00	BRKT CABLE HOLD DOWN 11/45	3	3
20	20	D-PS-1211215-0-0	1211215-00	CABLE CLAMP AND STRAP	5	5
21	21		9006039-01	SCREW,MACH PAN PHIL 8-	4	4
22	22		9006073-03	SCREW,MACH TRUSS PHIL 10-	82	32
23	23		9007651-00	WASHER,LOCK EXTERNAL STEEL	88	88
24	24		9007786-00	NUT,U-NUT RETAINER .240ID	67	67
25	25		9006634-00	WASHER,LOCK INTERNAL STEEL	8	8
26	26		9007880-00	TIE,CABLE BUNDL DIA 0-1.14"=101	20	20
27	27		9008264-00	MOUNT, CABLE TIE, ADHESIVE BACKE	10	10
28	28		9007867-00	MOUNT, PUSH,CABLE TIE	10	10
29	29		9008905-01	SCREW,MACH PAN PHIL 3-	6	6
30	30	D-IA-7010167-0-0	7010167-00	SUPPORT HARNESS (11/40)	1	1

REVISION HISTORY			BASIC PART NO: 7011418		DRN: K. SAMACHE		DATE: 5-AUG-75		D I G I T A L	
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D: D. SIREEN	DATE: 3-NOV-75	TITLE		PARTS LIST		
JT	KL10-E-MR015	F	SECTION. VARIATION INDEX			2040 CONSOLE PROCESSOR				
JT	7011418-MR004	H	[A] 01,02							
JC	KL10-E-MR021	J								
			[B]	DES.ENG.: R. OLSEN	DATE: 18-AUG-75					
			[C]							
			[D]	RESP.ENG.: R. OLSEN	DATE: 18-NOV-75					
			[E]			SIZE	CODE	NUMBER	REV	
			[F]	MFG.ENG.: L. CORNELL	DATE: 3-NOV-75	K	PL	7011418-0-DBP	J	
				ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER:	FILE NAME:		EDIT #		
				E-AD-7011418-0-0	1B-DD-KL10-E	Z1958J.PLS		14		

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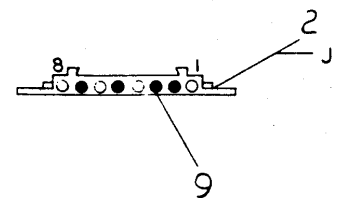
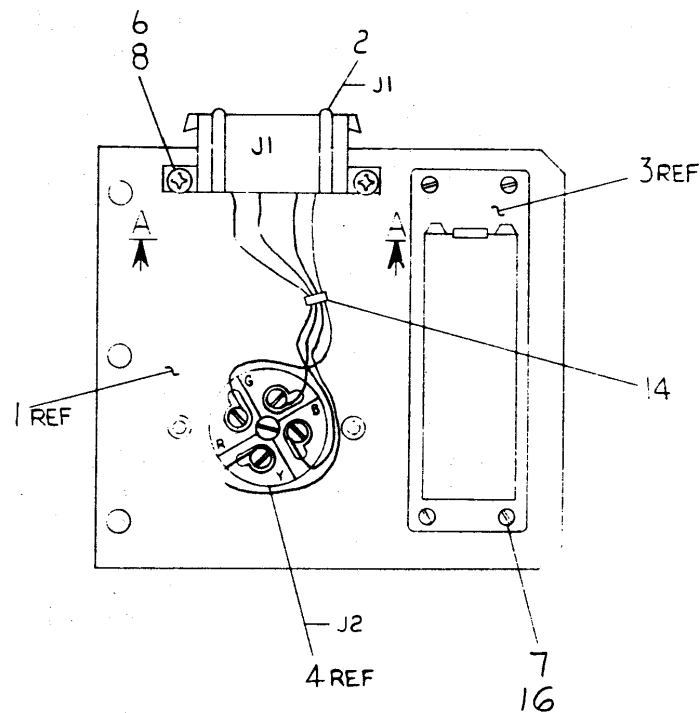
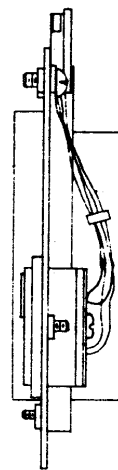
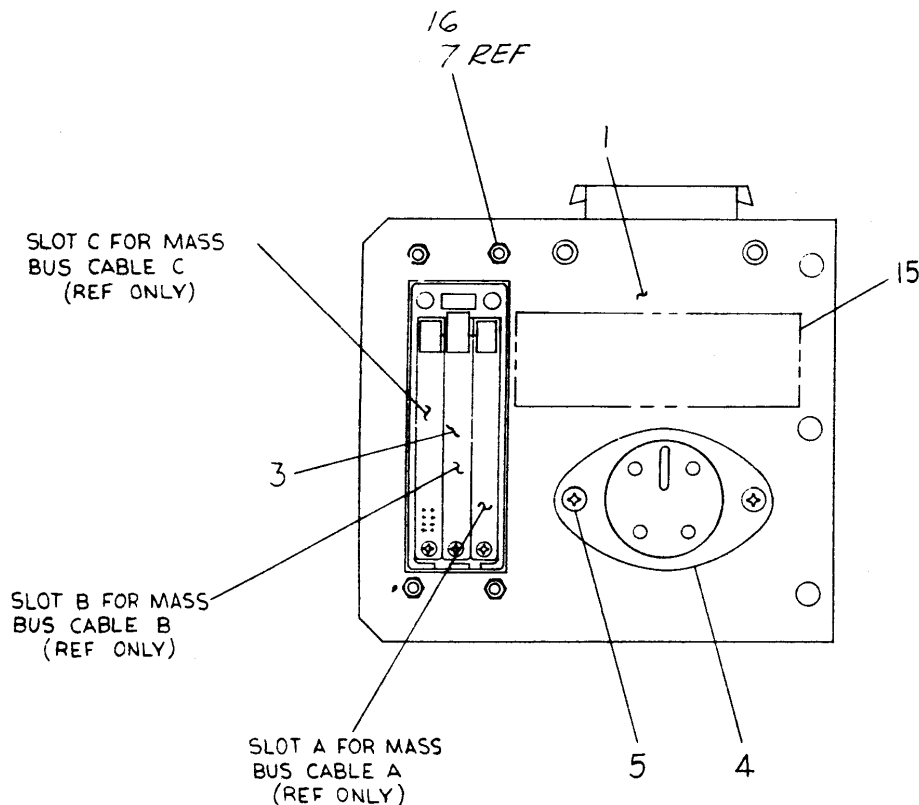
WIRE TABLE

ITEM NO.	AWG	COLOR	FROM		TO		REMARKS
			CONN	WITH	CONN	WITH	
11	22	BLK	J1-7	ITEM #9	J2-B	---	
13	22	RED	J1-2	ITEM #9	J2-R	---	
10	22	WHT	J1-3	ITEM #9	J2-Y	---	
12	22	GRN	J1-5	ITEM #9	J2-G	---	

DO NOT SCALE DRAWING

NOTES:

1. USE ITEM #17 TO CONNECT A TERMINAL WITH STANDARD MATE'N'LOK CONNECTOR TO ITEM #4. ASSEMBLE WITH ITEM 17 CONNECTED TO ITEM 4.



VIEW A-A
SKT INSERTION SIDE

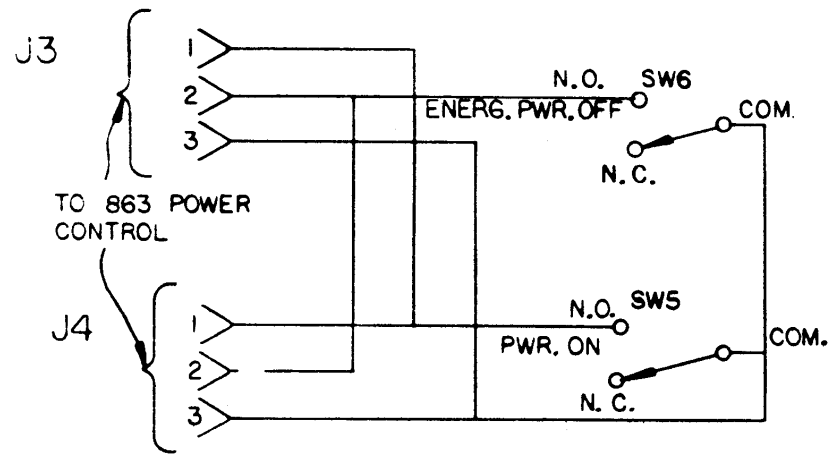
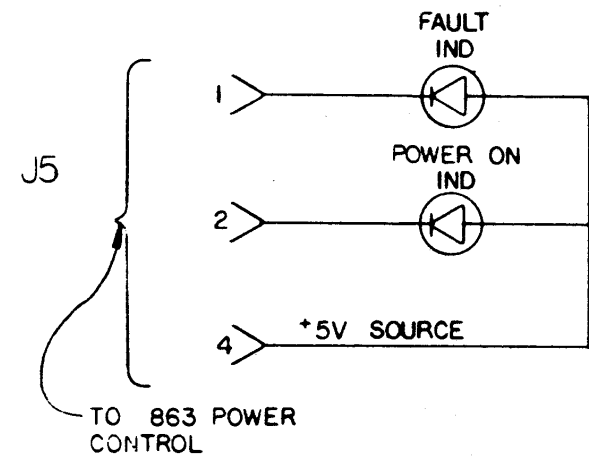
(SEE NOTE 1)

1	CABLE ASSY, 2838/MATE'N'LOK	D-IA-7014490-2-0	17
4	NUT, KEPS #4-40	9006557	16
1	LABEL, ADHESIVE BACKED	9009255	15
1	TIE CABLE	9007031-0-0	14
4 IN	WIRE #22 AWG STRD (RED)	9107350-22	13
4 IN	WIRE #22 AWG STRD (GRN)	9107350-55	12
4 IN	WIRE #22 AWG STRD (BLK)	9107350-00	11
4 IN	WIRE #22 AWG STRD (WHT)	9107350-99	10
4	TERMINAL SKT CONTACT	1209379-03	9
2	WASHER, INT. TOOTH LOK #6	9006633	8
4	SCR, SLOTTED FILHD #4-40x.38	9006390-6	7
2	SCR, PHL PAN HD 6-32x.31	9006021-1	6
2	SCR, PHL FLAT HD 6-32x.25	9006020-2	5
1	PHONE JACK	1205857-3	4
1	HOUSING ASSY, RECEPTACLE	D-AD-7009461-00	3
1	HSG 8 SKT MATE'N'LOK	1209340-00	2
1	PLATE, CONN.	D-IA-7012711-0-0	1

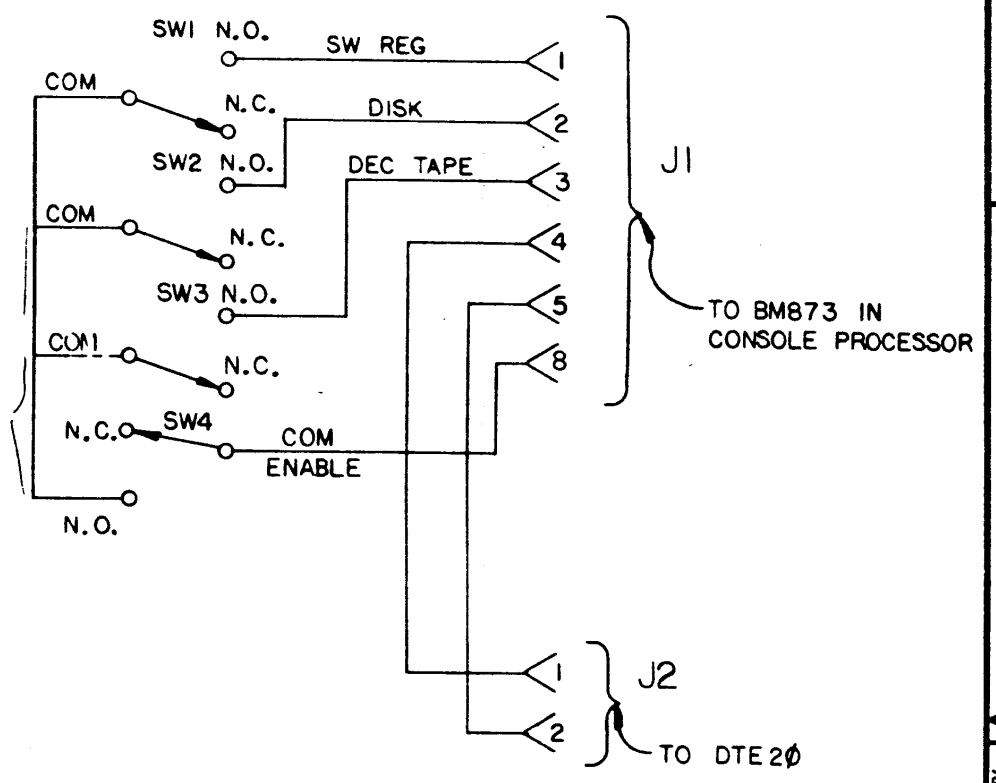
FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
KL10					
DIMENSIONAL TOLERANCE		PARTS LIST			
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED		DRN.	DATE	digital	
		CHK'D	DATE		
		ENG.	DATE	TITLE	
		PROJ. ENG.	DATE		
		PROD.	DATE	PLATE, CABLE CONVERSION ASSY.	
THIRD ANGLE PROJECTION		REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		NEXT HIGHER - S.S.Y.	
MATERIAL SEE PARTS LIST		D-UA-KL10-00		SIZE CODE NUMBER	
FINISH		SCALE 1/1		D AD 7010311-0-0	
		SHEET 1 OF 1		REV. A	

REV.	CHANGE NO.	DATE	BY
1	7010311 MRQ	10/30/74	S.R. HOLMES
2	7010311 MRQ	10/30/74	S.R. HOLMES

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SW1 - SW4 ARE
MOMENTARY
CONTACT SWITCHES

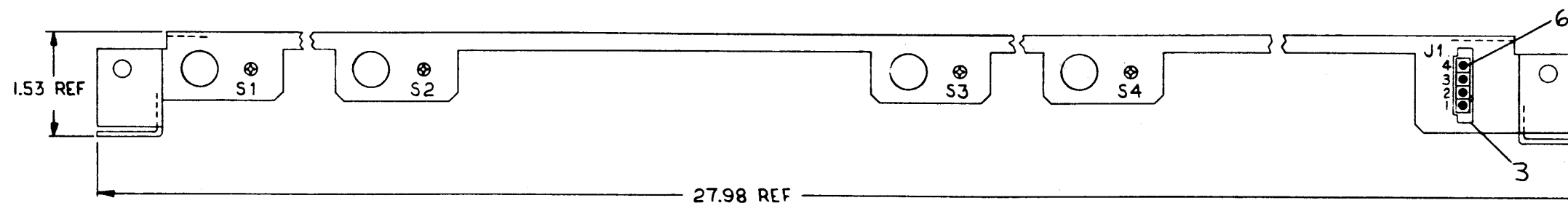
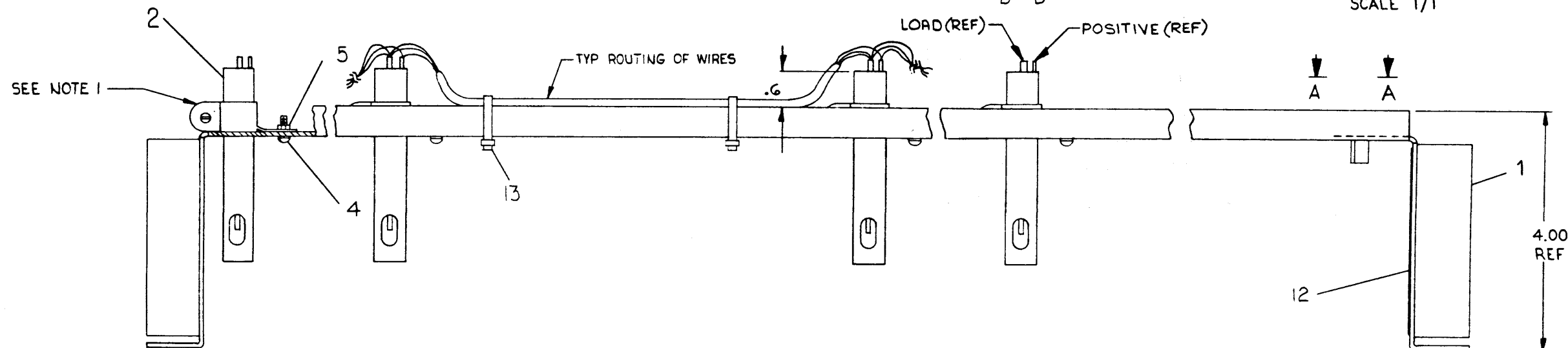


ALL SWITCHES SHOWN
IN THE "OFF" POSITION

REV.	CHANGE NO.	CHK

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
KL10-C					
DIMENSIONAL TOLERANCE		PARTS LIST			
DIMENSIONS ARE <u>MILLIMETERS</u> UNLESS OTHERWISE SPECIFIED		DRN. <i>M. Gohier</i>	DATE 20 Nov 75		
		CHK'D. <i>Phil Reed</i>	DATE 15 Dec 75		
		ENG. <i>D. Santella</i>	DATE 16 Dec 75	TITLE SWITCH PANEL	
		PROJ. ENG. <i>R. M. Oley</i>	DATE 21 Dec 75		
		PROD. <i>L. E. Connell</i>	DATE 16 Jan 76	SIZE CODE C CS	
		NEXT HIGHER ASSY.			
THIRD ANGLE PROJECTION		B-DD-KL10-C		NUMBER 7011639-0-1	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		SCALE		REV.	
MATERIAL		SHEET		DIST.	
FINISH		OF			

NOTES:
1. SWITCH MOUNTING HARDWARE
SUPPLIED WITH VANE SWITCH.



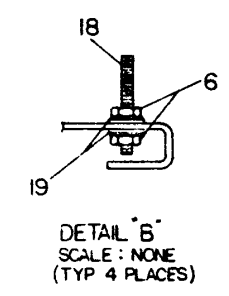
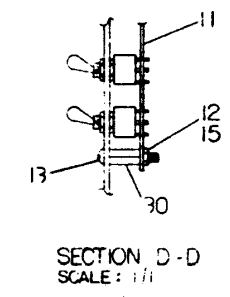
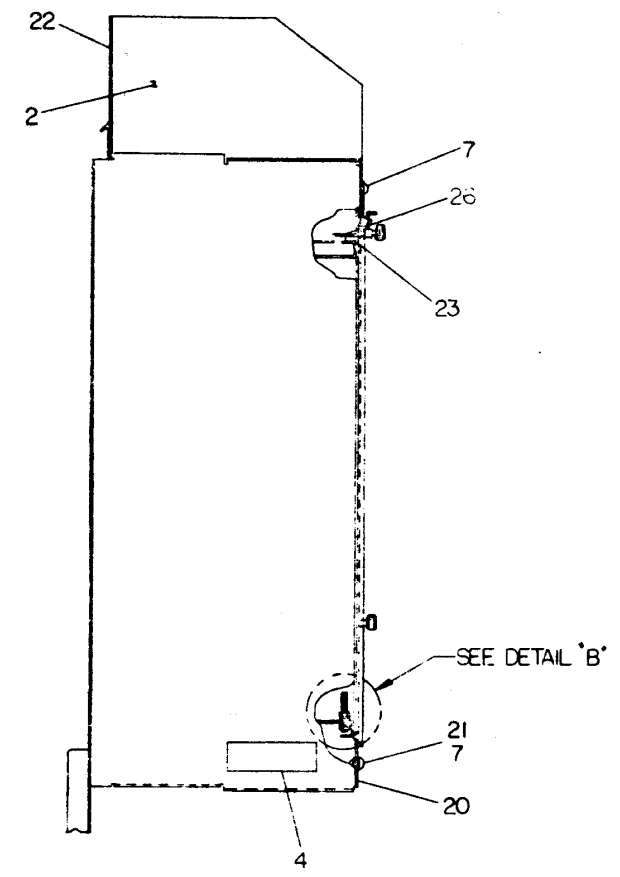
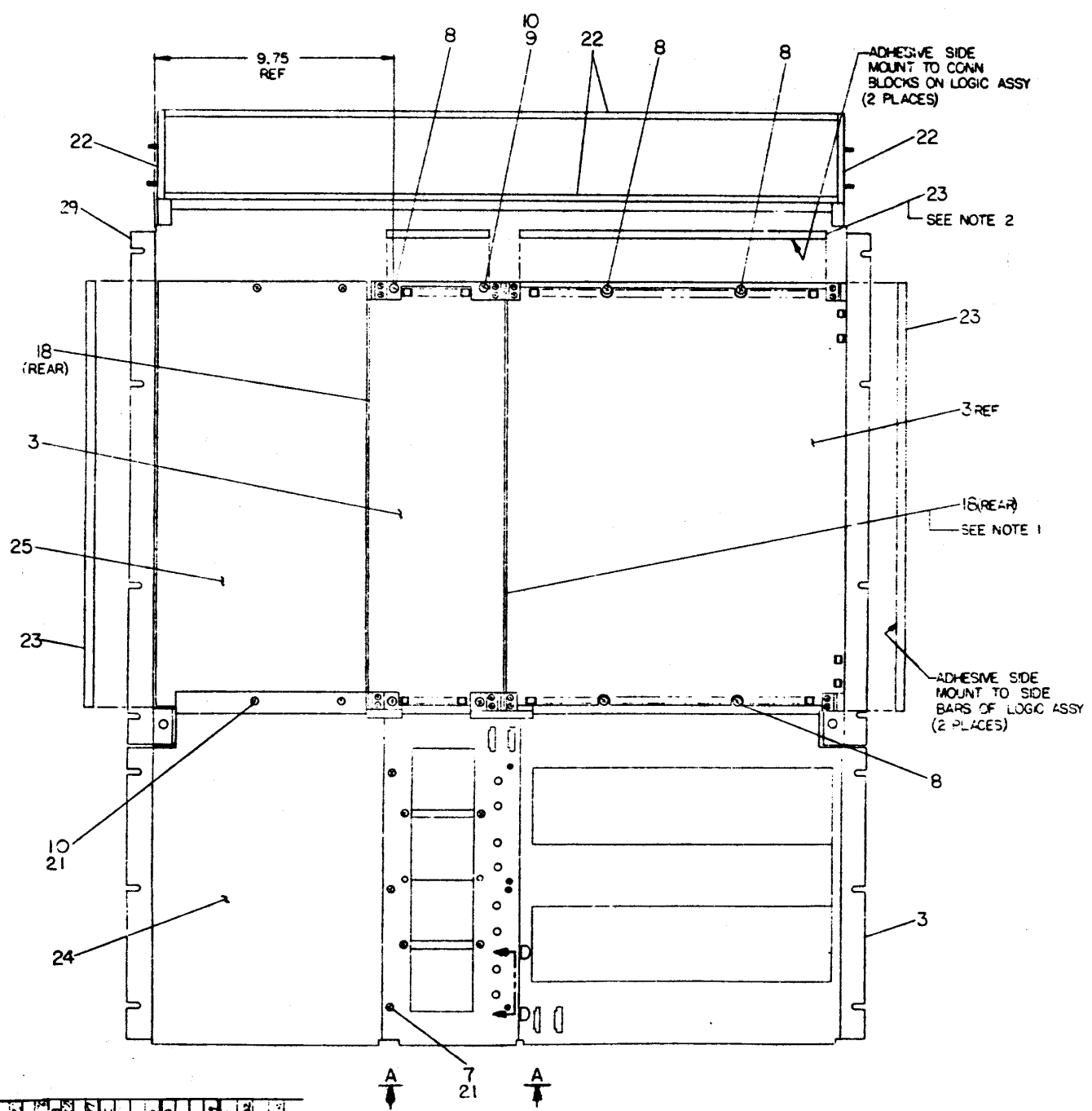
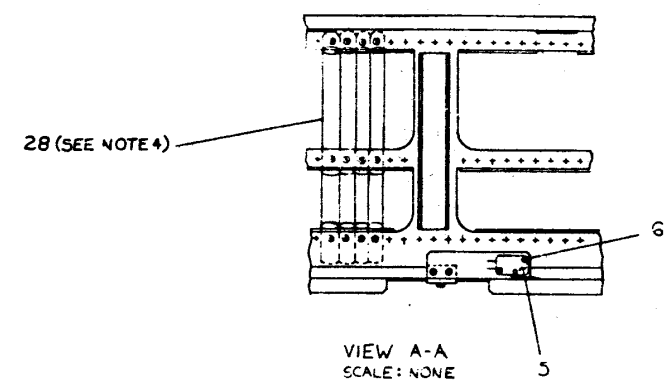
8	CABLE TIES	9007032	13
1	LABEL ADHESIVE BACK	9009255	12
12	SHRINKABLE TUBING	9107305-02	11
12	TERMINAL QUICK CONNECT	9009137-01	10
A/R	WIRE, 22 AWG STRD (BLK)	9107350-00	9
A/R	WIRE, 22 AWG STRD (ORN)	9107350-33	8
A/R	WIRE, 22 AWG STRD(YEL)	9107350-44	7
4	TERMINAL SKT CONTACT	1209379-06	6
4	NUT, KEP 6-32	9006560	5
4	SCR., PH. HD, PAN 6-32*3/8	9006022-1	4
1	CONN SKT HSG 4 PIN	1209350-04	3
4	VANE SWITCH SPST N.O.	1211608	2
1	BRACKET, SWITCH	D-MD-7411372-0-0	1

FIRST USED ON OPTION MODEL			QTY.	BRACKET, SWITCH	D-MID ANISYE-0-0	ITEM NO.
KLIØ			PARTS LIST			
DIMENSIONAL TOLERANCE			DRN.	DATE	digital	
DIMENSIONS ARE UNLESS OTHERWISE SPECIFIED			M. Guesher	3-10-74		
UNLESS OTHERWISE SPECIFIED			CHK'D	DATE		
MILLIMETERS			INCHES	ANGLES	TITLE	
XXX = ±0.10	JXX = ±.005	10° 30'	ENG.	DATE	VANE SWITCH ASSY.	
XX = ±0.5	JX = ±.02		PROV. ENG.	DATE		
X = ±.2	X = ±.1		PROO.	DATE		
THIRD ANGLE PROJECTION			NEXT HIGHER ASSY.			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓						
MATERIAL			D-UA-KLIØ-Ø-Ø		SIZE CODE	NUMBER
SEE PARTS LIST			SCALE 1/1		D	AD
FINISH			SHEET 1 OF 1		DIST	

REVISIONS		
CHK	CHANGE NO.	REV.
18	7009876-00001	A
J. PROVIDENT		

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- NOTES:
1. INSTALL ITEMS 6, 18 AND 19 IN REAR HOLES 17 AND 28
 2. SEAL ASSY AGAINST AIR LEAKAGE WITH FOAM TAPE (ITEM # 23 & 22) AS SHOWN OR EQUIV.
 3. ~~AT ITEM 27 (FOAM) OVER EXISTING FOAM AS SHOWN IN VIEW A-A~~
 4. INSTALL MODULE SIMULATORS (ITEM 28) IN THE FOLLOWING SLOTS:
THRU 2 & 31 THRU 42



CAUTION:
OFF SHEET PARTS LIST EXISTS
SEE: 4-PL-7012278-0-DBP

DESCRIPTION		DWG PART NO.		TYPE NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
ANGLES	CLAMP	1/2"	1/4"	1/8"	1/16"
SURFACE	CHECK ONE	1/2"	1/4"	1/8"	1/16"
QUALITY	PRECISION	1/2"	1/4"	1/8"	1/16"
QUANTITY & VARIATION	PREFERRED	1/2"	1/4"	1/8"	1/16"
THIRD ANGLE PROJECTION	DRY	1/2"	1/4"	1/8"	1/16"
REVISIONS	ONE	1/2"	1/4"	1/8"	1/16"
PROJ. ENG.	PROJ. ENG.	1/2"	1/4"	1/8"	1/16"
PROD. ENG.	PROD. ENG.	1/2"	1/4"	1/8"	1/16"
DO NOT SCALE DWG	NEXT HIGHER ASSY	1/2"	1/4"	1/8"	1/16"
MATERIAL	SEE PARTS LIST	1/2"	1/4"	1/8"	1/16"
FOUNDER	SCALE	1/2"	1/4"	1/8"	1/16"
SHEET	OF	1/2"	1/4"	1/8"	1/16"

FIRST USED ON: KL10-C (10/10/60)

TITLE: RH20/DTE20 LOGIC ASSY

SIZE: 11x17

NUMBER: 7012278-0-0

REV: 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION
					00
1	1	E-IA-7009859-0-0	7009859-00	*** THIS ITEM IS NOT USED ***	-
2	2		1213011-00	BLOWER,CENTRIFUGAL .400CFM 115V	1
3	3	E-AD-7009429-0-0	7009429-00	WIRED ASSY RH20 - DTE20	1
4	4		9009255-00	LABEL, POWER SUPPLY, 2-15/16 " L	1
5	5		1210755-00	SW,LEVER 1PST 11A277VAC	1
6	6		9006557-00	NUT,HEX EXT TOOTH LCKWSHR 4-40	10
7	7		9006072-01	SCREW,MACH PAN PHIL 10-	7
8	8		9006075-01	SCREW,MACH PAN PHIL 10-	6
9	9		9006565-00	NUT,HEX EXT TOOTH LCKWSHR 10-32	2
10	10		9008909-01	SCREW,MACH PAN PHIL 10-	6
11	11	D-IA-7010103-0-0	7010103-02	SWITCH ASSY 4 SW KL10	2
12	12		9008185-00	NUT,HEX EXT TOOTH LCKWSHR 6-32	4
13	13		9006028-01	SCREW,MACH PAN PHIL 6-	4
14	14		M8559-00	CLOCK DISTRIBUTION	1
15	15		9006653-00	WASHER,FLAT STEEL	4
16	16		9006806-00	*** THIS ITEM IS NOT USED ***	-
17	17	D-MU-KL10-0-RHDT		MODULE UTILIZATION	REF
18	18	B-MD-7413992-0-0	7413992-00	ROD SUPPORT 4-40 UNF	2
19	19		9006655-00	WASHER,FLAT SST	8
20	20	D-IA-7011520-0-0	7011520-00	VANE SWITCH ASSY	1
21	21		9006635-00	WASHER,LOCK INTERNAL STEEL	9
22	22		9008273-00	FOAM, TAPE 1/8" X 1/4" BLACK	A/R
23	23		9008274-00	FOAM, TAPE 3/8" X 3/8" BLACK	A/R
24	24	E-IA-7415270-0-0	7415270-00	PANEL,I/O CONN	1
25	25	C-MD-7413681-0-0	7413681-01	PLATE FULLER	1
26	26	D-IA-7012343-0-0	7012343-00	SCREEN, DIFFUSER ASSY (C-P-U)	1
27	27		9008479-01	FOAM POLYURETHANE	2
28	28	C-MD-7420793-0-0	7420793-00	MOD SIMULATOR	24
29	29	E-IA-7009859-0-0	7009859-01	COOLING ASSY,FULL DOOR	1
30	30		9006803-00	SPACER,CLEAR HOLE HEX ALUM 6	4

REVISION HISTORY			BASIC PART NO: 7012278		
ENG	ECO NUMBER	REV	SECTION A OF A	DRN: V. SOUZA	DATE: 29-DEC-75
JT	7012278-MR004	E	SECTION. VARIATION INDEX	CHK'D: V. SOUZA	DATE: 2-FEB-76
			[A] 00		
			[B]	DES.ENG.: W. CARBONELL	DATE: 6-FEB-76
			[C]		
			[D]	RESP.ENG.: V. CARBONELL	DATE: 6-FEB-76
			[E]		
			[F]	MPG.ENG.: R. O'BRIAN	DATE: 6-FEB-76
			ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER:	FILE NAME:
			E-AD-7012278-0-0	D-UA-KL10-C-0	Z4132E.PLS
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DO NOT SCALE DRAWING

NOTES:

1. AFTER WIRE WRAP REMOVE "8-32" .62
POZI DRIVE SCREW AND ADD ITEM "10
ADD REPLACE SCREW WITH ITEM "8" 1"25.
2. "RIB" ITEM "22 (GROUND PLANE) PER
DETAIL "A".
3. "RIB" ITEM "9" (GROUND PLANE PROTECTION
DETAIL) PER "DETAIL" B.
4. FOR N/C WIRE "B" USE PILET 360605-000
5. INSTALL ITEM "3" (SHIELD) TO FASTEN TABS
AS SHOWN IN VIEW "D-D TO 16 FASTEN
TABS ON BOTTOM EDGE OF BOARD ONLY.
6. LOCATE DECALS (ITEM "18) WHERE SHOWN
"NEAR SIDE AND FAR SIDE.
7. USE REV "A" OR HIGHER TOP AND
BOTTOM BAR (ITEM "6)
8. ADD STANDOFFS ITEM "51 BEFORE
WIRE WRAP AND ADD SCREWS ITEM "52
IN PLACES BEFORE ANY TEST.
9. AFTER INST. WIRE "B" AND WIRE TO
PIN SOLDER THEM IN PLACE
(C/REF J-1)

SEE NOTE 6

SKT INSERTION SIDE

SEE DETAIL 'A' & 'B'

CAUTION:
OFF SHEETS PARTS LIST EXISTS
SEE A-PL-7009429-0-0

SEE A PL-7009429-0-0

KL10 CONSTRUCTION INFORMATION MANUFACTURING INFORMATION OTHER PREPARATION INFORMATION	DESIGNED BY: PARTS LIST: 20-00-0 WIRED ASSY RM20 - DTE20
---	--

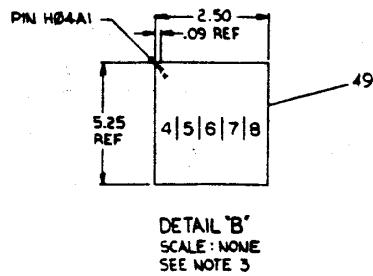
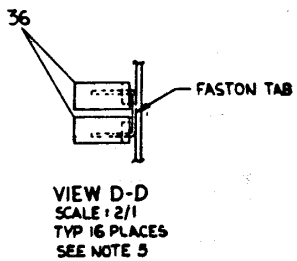
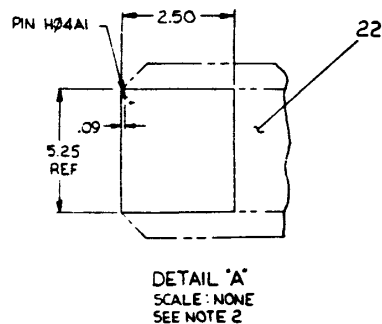
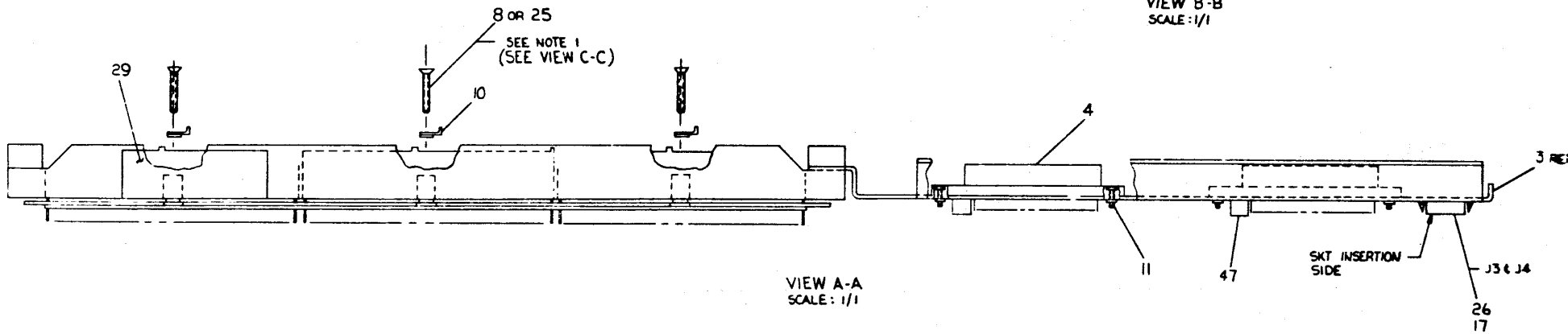
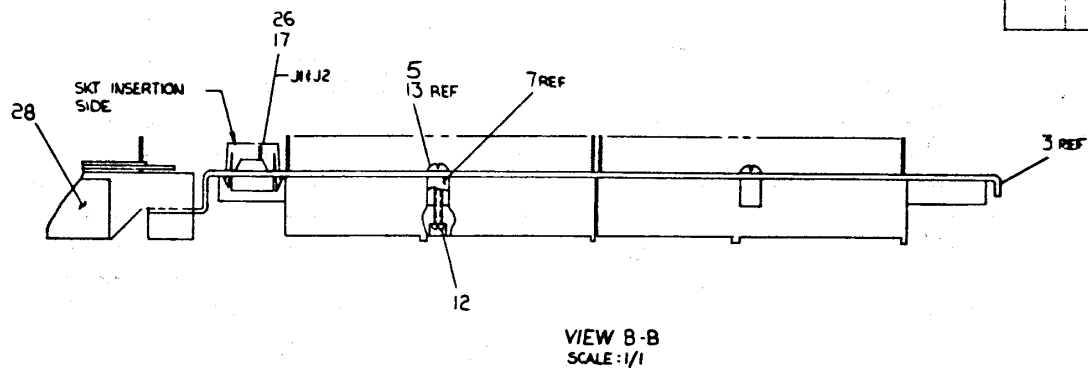
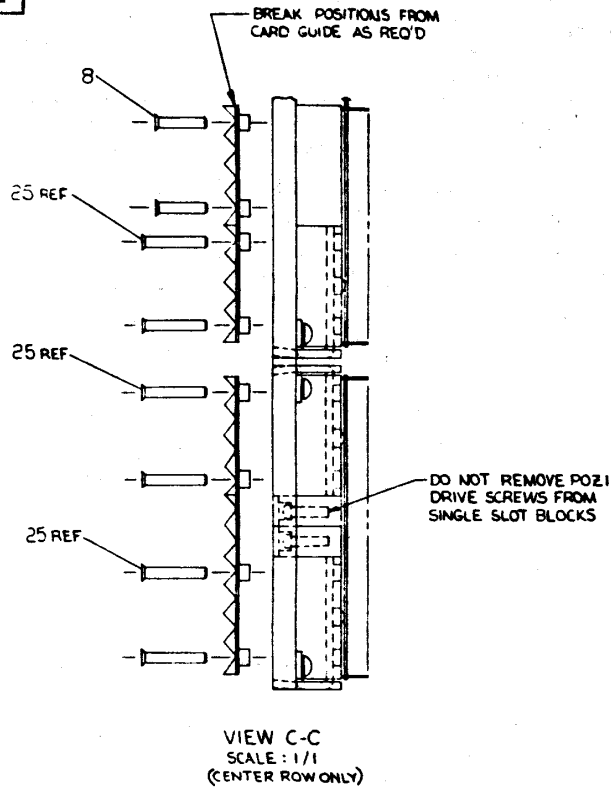
QTY: 1 UOM: EA E.A.C. 7009429-0-0 1/1	NUMBER: 7009429-0-0 UOM: F
--	-------------------------------

ITEM	QTY	UOM	DESCRIPTION	E.A.C.	UOM	DESCRIPTION	E.A.C.	UOM
1	1	EA	WIRE ASSY RM20-DTE20	7009429-0-0	1	WIRE ASSY RM20-DTE20	7009429-0-0	1
2	1	EA	WIRE ASSY RM20-DTE20	7009429-0-0	1	WIRE ASSY RM20-DTE20	7009429-0-0	1
3	1	EA	WIRE ASSY RM20-DTE20	7009429-0-0	1	WIRE ASSY RM20-DTE20	7009429-0-0	1
4	1	EA	WIRE ASSY RM20-DTE20	7009429-0-0	1	WIRE ASSY RM20-DTE20	7009429-0-0	1
5	1	EA	WIRE ASSY RM20-DTE20	7009429-0-0	1	WIRE ASSY RM20-DTE20	7009429-0-0	1
6	1	EA	WIRE ASSY RM20-DTE20	7009429-0-0	1	WIRE ASSY RM20-DTE20	7009429-0-0	1
7	1	EA	WIRE ASSY RM20-DTE20	7009429-0-0	1	WIRE ASSY RM20-DTE20	7009429-0-0	1
8	1	EA	WIRE ASSY RM20-DTE20	7009429-0-0	1	WIRE ASSY RM20-DTE20	7009429-0-0	1
9	1	EA	WIRE ASSY RM20-DTE20	7009429-0-0	1	WIRE ASSY RM20-DTE20	7009429-0-0	1
10	1	EA	WIRE ASSY RM20-DTE20	7009429-0-0	1	WIRE ASSY RM20-DTE20	7009429-0-0	1

DO NOT SCALE DRAWING

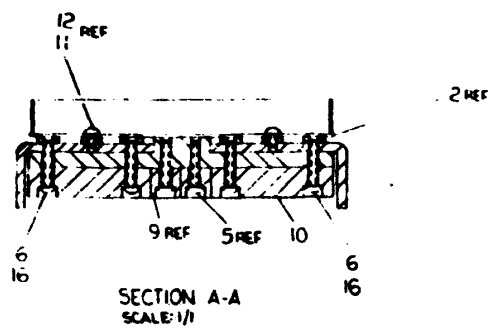
WIRE TABLE							
ITEM NO.	DESCRIPTION	FROM	TO	REMARKS			
33	18 TWP	RED J1-1	2E0811 ITEM 26	GND			
32	WHT	BLK J1-2	2E08N2	SIGNAL			
33	BLK	J1-3	2E08N1	GND			
32	WHT	BLK J1-4	2E08N2	SIGNAL			
33	RED	J2-1	2E0811	GND			
32	BLK	J2-2	2E08N2	GND			
32	WHT	J2-3	2E08J2	SIGNAL			
33	BLK	J2-4	2E08N1	GND			
33	RED	J3-1	2E0811	GND			
32	WHT	BLK J3-2	2E08N2	SIGNAL			
33	BLK	J3-3	2E08N1	GND			
32	WHT	BLK J3-4	2E08N2	SIGNAL			
33	RED	J4-1	2E0811	GND			
32	BLK	J4-2	2E08N2	GND			
32	WHT	J4-3	2E08J2	SIGNAL			
45	18 TWP	BLK J4-4	ITEM 26 2E08N1 ITEM 25	GND			
45	18 BLK	GND-1	SOLDER GND-5	ITEM 46 GND			
45	18 BLK	GND-2	SOLDER GND-6	ITEM 46 GND			
45	18 BLK	GND-3	SOLDER GND-7	ITEM 46 GND			
45	18 BLK	GND-4	SOLDER GND-8	ITEM 46 GND			

PIN CHART			
PIN	DESCRIPTION	PIN	DESCRIPTION
1	24A2	10	24A2
2	24B2	11	24B2
3	24C2	12	24C2
4	24D2	13	24D2
5	24E2	14	24E2
6	24F2	15	24F2
7	24G2	16	24G2
8	24H2	17	24H2
9	24I2	18	24I2
10	24J2	19	24J2
11	24K2	20	24K2
12	24L2	21	24L2
13	24M2	22	24M2
14	24N2	23	24N2
15	24O2	24	24O2
16	24P2	25	24P2
17	24Q2	26	24Q2
18	24R2	27	24R2
19	24S2	28	24S2
20	24T2	29	24T2
21	24U2	30	24U2
22	24V2	31	24V2
23	24W2	32	24W2
24	24X2	33	24X2
25	24Y2	34	24Y2
26	24Z2	35	24Z2
27	25A2	36	25A2
28	25B2	37	25B2
29	25C2	38	25C2
30	25D2	39	25D2
31	25E2	40	25E2
32	25F2	41	25F2
33	25G2	42	25G2
34	25H2	43	25H2
35	25I2	44	25I2
36	25J2	45	25J2
37	25K2	46	25K2
38	25L2	47	25L2
39	25M2	48	25M2
40	25N2	49	25N2
41	25O2	50	25O2
42	25P2	51	25P2
43	25Q2	52	25Q2
44	25R2	53	25R2
45	25S2	54	25S2
46	25T2	55	25T2
47	25U2	56	25U2
48	25V2	57	25V2
49	25W2	58	25W2
50	25X2	59	25X2
51	25Y2	60	25Y2
52	25Z2	61	25Z2
53	26A2	62	26A2
54	26B2	63	26B2
55	26C2	64	26C2
56	26D2	65	26D2
57	26E2	66	26E2
58	26F2	67	26F2
59	26G2	68	26G2
60	26H2	69	26H2
61	26I2	70	26I2
62	26J2	71	26J2
63	26K2	72	26K2
64	26L2	73	26L2
65	26M2	74	26M2
66	26N2	75	26N2
67	26O2	76	26O2
68	26P2	77	26P2
69	26Q2	78	26Q2
70	26R2	79	26R2
71	26S2	80	26S2
72	26T2	81	26T2
73	26U2	82	26U2
74	26V2	83	26V2
75	26W2	84	26W2
76	26X2	85	26X2
77	26Y2	86	26Y2
78	26Z2	87	26Z2
79	27A2	88	27A2
80	27B2	89	27B2
81	27C2	90	27C2
82	27D2	91	27D2
83	27E2	92	27E2
84	27F2	93	27F2
85	27G2	94	27G2
86	27H2	95	27H2
87	27I2	96	27I2
88	27J2	97	27J2
89	27K2	98	27K2
90	27L2	99	27L2
91	27M2	100	27M2



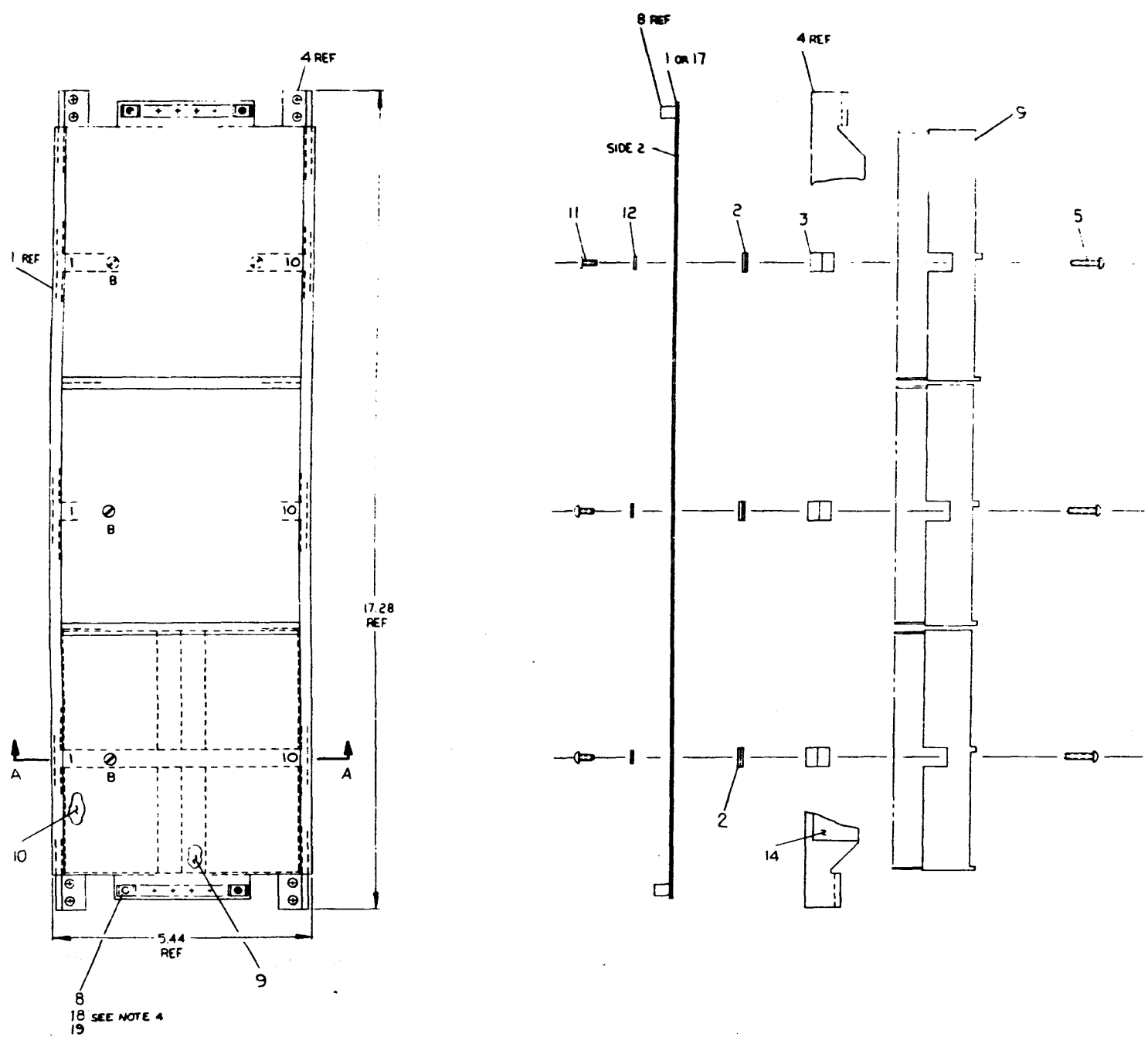
REV	DATE	BY	CHKD
1			

7009429-0-0	REV F
1	MR



LEGEND	
NUMBER	VARIATION
7C10088-1	SINGLE DTE 20
7C10088-2	PLATE DTE 20-3

- NOTES:
1. CUT ITEM 4-30 GROUND PLANE PROJECTION SHEET AND NO. 20 WIRE TOGETHER AS SHOWN IN FIG. 3 (ENCLOSURE)
 2. FOR ASSY AND REFERTY PROCESS SHEET A-5D-KL10-SPS.
 3. BEFORE ASSY OF ITEM 1 (BOARD) REWORK PER D-JA-541350-00 REV 3, ALSO FOR ITEM 17 (BOARD) REWORK PER D-JA-541350-00 REV 3.
 4. USE ITEM 9 ON TOP TABS ONLY.
 5. REMOVE ITEM 6 QTY 3 AFTER MERGING IN ASSY 7009429 'B' PLACES.



12	6	EYELET	90090000	20
18	0	SHIELD, WIRE	900754	19
6	4	TERMINAL, QUICK CONNECT	9008219	18
1		ETCH CIRCUIT BOARD	5011305	17
12	12	WASHER, LOCK "8"	9006650	16
6	6	WASHER, TRANSVERSE	9008184	15
1	1	LABEL, ADHESIVE BACK	9009253	14
6	6	WASHER, LOCK W/ TIGHTEN	9006633	13
6	6	SCR, SLOTTED BINDING	9005021-4	12
6	6	288 PIN CONN BLOCK	9005025-8	11
6	6	22 PIN CONN BLOCK	9005025-9	10
6	6	FASTON TAB	9007113	9
6	6	FASTON	9007113	8
12	12	SCR, PHL 7/16" HD	9009666-5	7
6	6	SCR, FLAT HD	9008220-6	6
1	3	BRACKET, C.G.C FRAME	024-7400000	5
1	3	BAG, SACK PLANE	6-40-7411249	4
6	6	SPECIAL, SACK PLANE	6-40-7411259-5	3
		ETCH CIRCUIT BOARD	5011303	1

[illegible]

1. FOR DRAWING DIRECTORY REFER
TC: B-DD-5411306-O.

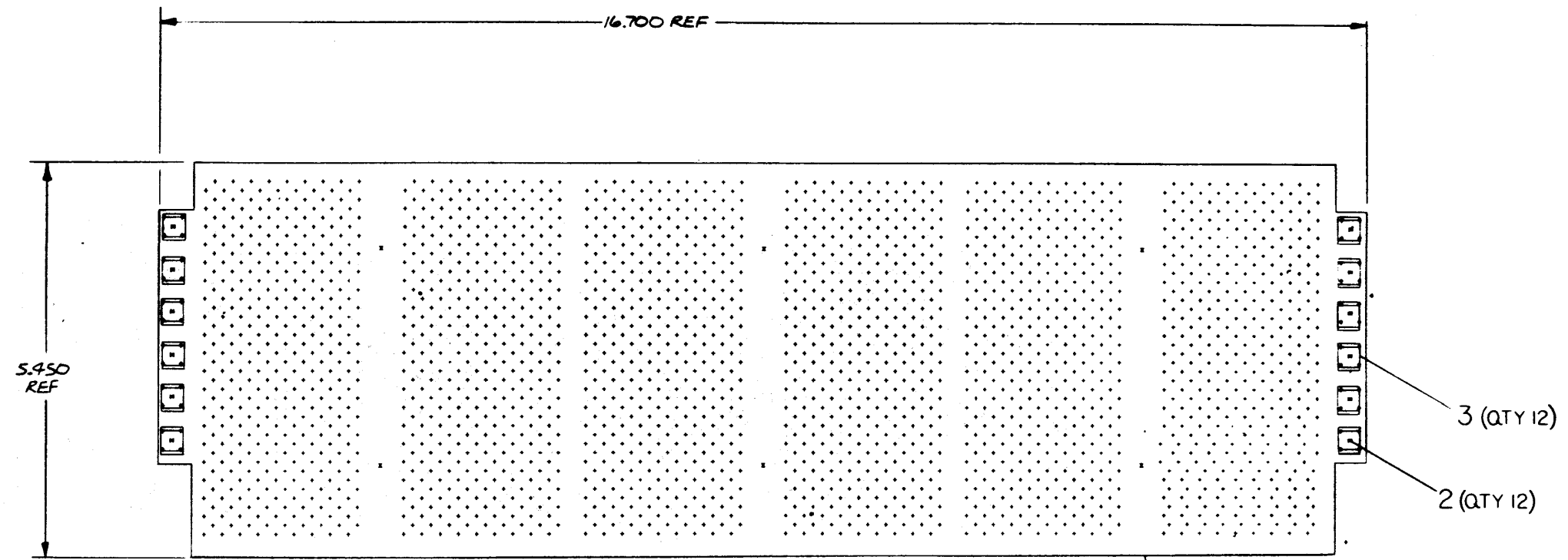
	DIA 5411306-0	2790 COOD	2790	1
1	ET-ED CREDIT BOARD			1
12	EYELET			2
12	DOUBLE TAB			3

QTY	REF. DESIGNATION	DESCRIPTION	PART NO.	ITE NO.
PARTS LIST				
ETCH BOARD-REV.				
		DRN. <i>D. J. Gane</i>	DATE 2-21-75	digital TITLE DTE 2C BACKPLANE
		CHK'D. <i>D. J. Gane</i>	DATE 3/21/75	
		ENGR. <i>A. J. Gane</i>	DATE 3-21-75	
		PROJ. ENGR. <i>A. J. Gane</i>	DATE 1-5-75	
		PROD. <i>A. J. Gane</i>	DATE 2-21-75	
		NEXT HIGHER ASSY 3-DD-54113C6-0		
DEC NO.	EIA NO.	SCALE	SIZE CODE	NUMBER
		SHEET 1 OF 4	D UA	54113C6-C-0
CONVERSION CHART				

Diagram illustrating IC pin locations for a 14-pin package. The diagram shows a 14-pin package with pins numbered 1 to 14. Pins 1 and 14 are labeled 'GND' and '+5V' respectively. Pins 2 and 13 are labeled 'IC TYPE'. The diagram is crossed out with a large X.

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DIGITAL EQUIPMENT CORPORATION

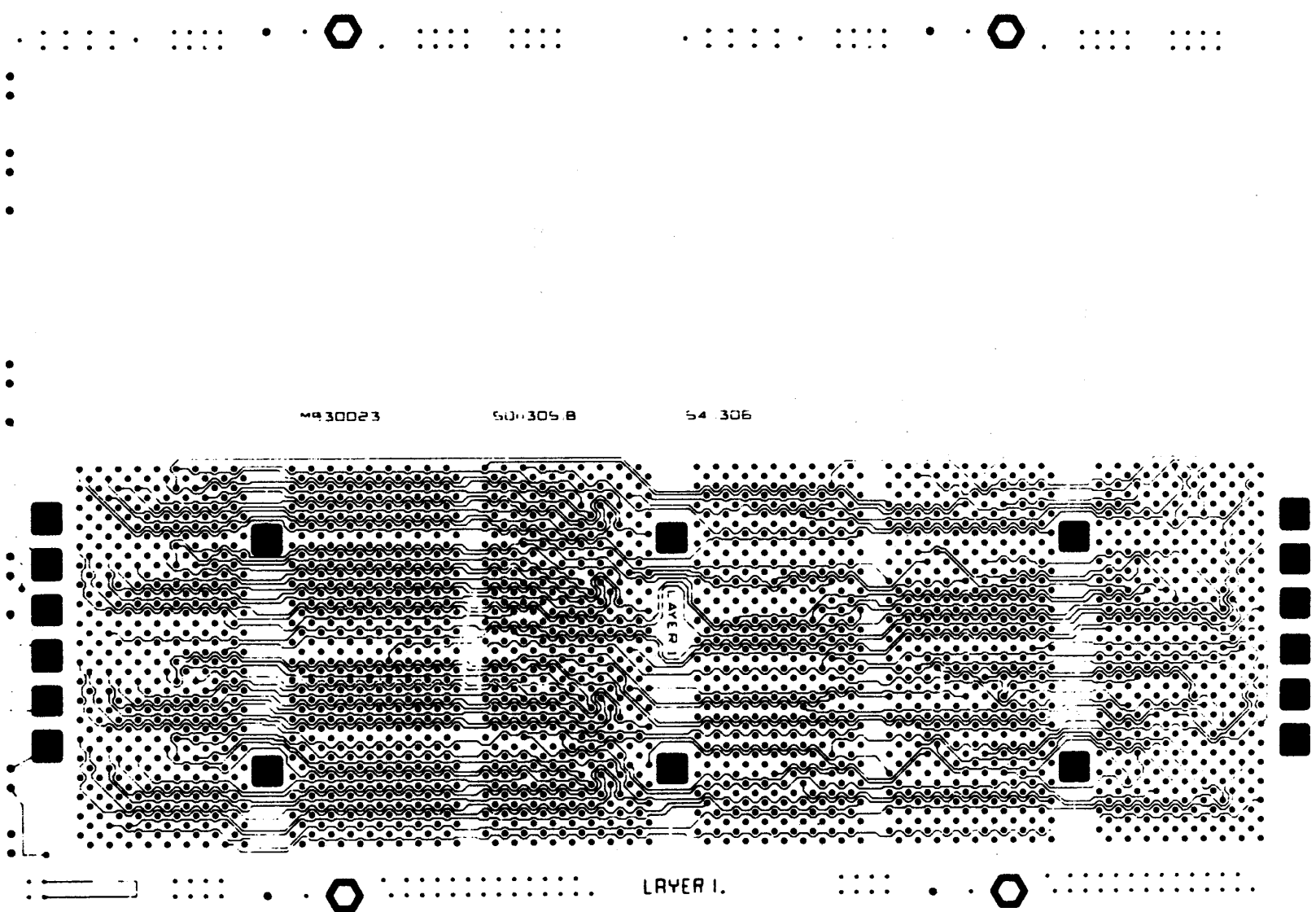
DUA 5411306-0-0 2



DIVISIONS								TITLE		SIZE CODE		NUMBER		REV	
CHK	CHANGE NO	REV						DTE 20 BACKPLANE		D UA		5411306-0-0			
								SCALE		SHEET 2 OF 4		DIST			
										</					

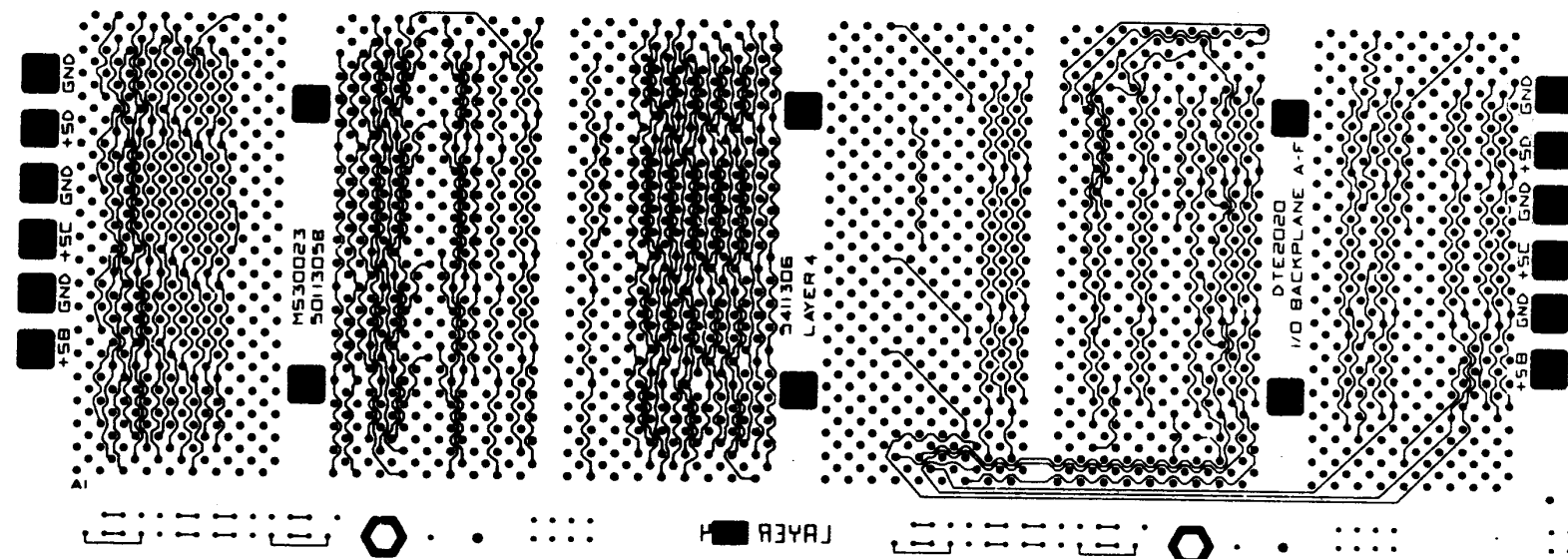
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0 0-9011454 DUA 2 1



REV	DATE	BY

TITLE	SIZE/DATE	NUMBER	REV
DTE 20 BACKPLANE	DUA 5411306-0-0	5411306-0-0	
SCALE	SHEET 3 OF 4	DIST	

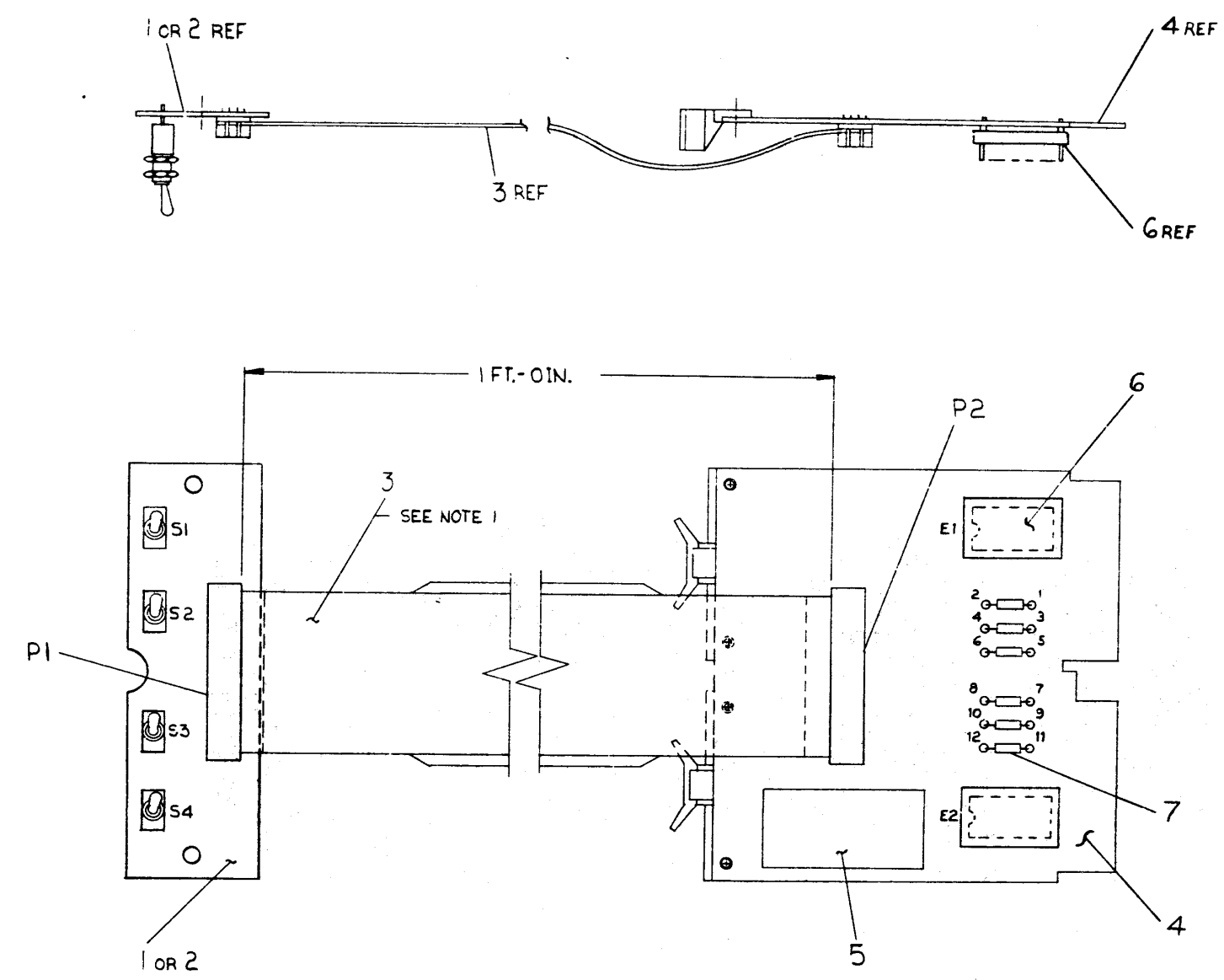


DO NOT SCALE DRAWING

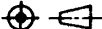
LEGEND	
NUMBER	VARIATION
7010103 -1	1 SWITCH
7010103 -2	4 SWITCH

NOTES:

1. CONNECTORS P1 AND P2 TO BE WIRED POINT TO POINT. (P1 TO P2)
2. 7010103-1 USES ONLY 1 SWITCH (S2) AND 7010103-2 USES ALL 4 SWITCHES (S1 THRU S4)
3. TRIM AND PREPARE CABLE PER CABLE PROCESS SHEET A-SP-7606485-00
4. TO INSTALL CABLE USE COVER OF CONN. 1210073 (FROM SW. BOARD ASSY REF).
5. SOLDER JUMPERS ITEM 7 TO TERMINALS AS SHOWN.
6. ITEM 6 IS NOT INSTALLED IN E2 WHEN BUILDING 7010103-1.



6	G	JUMPER, WHITE INS.	90C9185-00	7
2	-	PLUG, PRIORITY	C-1A-5408780-0-0	6
1	1	LABEL, ADHESIVE BACK	9009255	5
1	1	JUMPER, INTERRUPT (DTE20)	D-UA-M8564-0-0	4
A/R	A/R	CABLE, RIBBON, 40 COND.	9107747-01	3
1	-	SWITCH BOARD	D-UA-5411360-0-0	2
-	1	SWITCH BOARD	D-UA-5411360-YA-0	1

QUANTITY				VARIATION							
FIRST USED ON OPTION/MODEL				QTY.		DESCRIPTION		PART NO.		ITEM NO.	
KL10				PARTS LIST							
DIMENSIONAL TOLERANCE				DRN.		DATE		digital			
DIMENSIONS ARE <u>UNLESS OTHERWISE SPECIFIED</u> INCHES				CHK'D		DATE					
UNLESS OTHERWISE SPECIFIED				ENG.		DATE					
X.XX ± 0.10		JXX ± .005		PROJ. ENG.		DATE		SWITCH ASSY.			
X.X ± 0.5		XX ± .02		PROG.		DATE					
X ± .2		X ± .1		DATE		DATE					
THIRD ANGLE PROJECTION		REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓		NEXT HIGHER ASSY.		SIZE CODE		NUMBER		REV.	
		MATERIAL SEE PARTS LIST		D-UA-KL10-0-0		D AD		7010103-0-0		C	
FINISH				SCALE		SHEET		OF		DIST.	

REVISIONS		
CHK#	CHANGE NO.	REV.
17	7010103-00001	A
<i>Chadwick 3-10-76</i>		
J. PROVIDENT		
<i>Prominent 3-10-76 JH</i>		
18	7010103-00002	B
<i>P. Buckner 12-11-76</i>		
J. PROVIDENT		
19	7010103-00003	C
<i>P. Prominent 12-17-76 JH</i>		
20	7010103-00004	D
<i>W. Buckner 9-10-76</i>		
W. BRUCKETT		
<i>Chadwick 12-17-76 JH</i>		

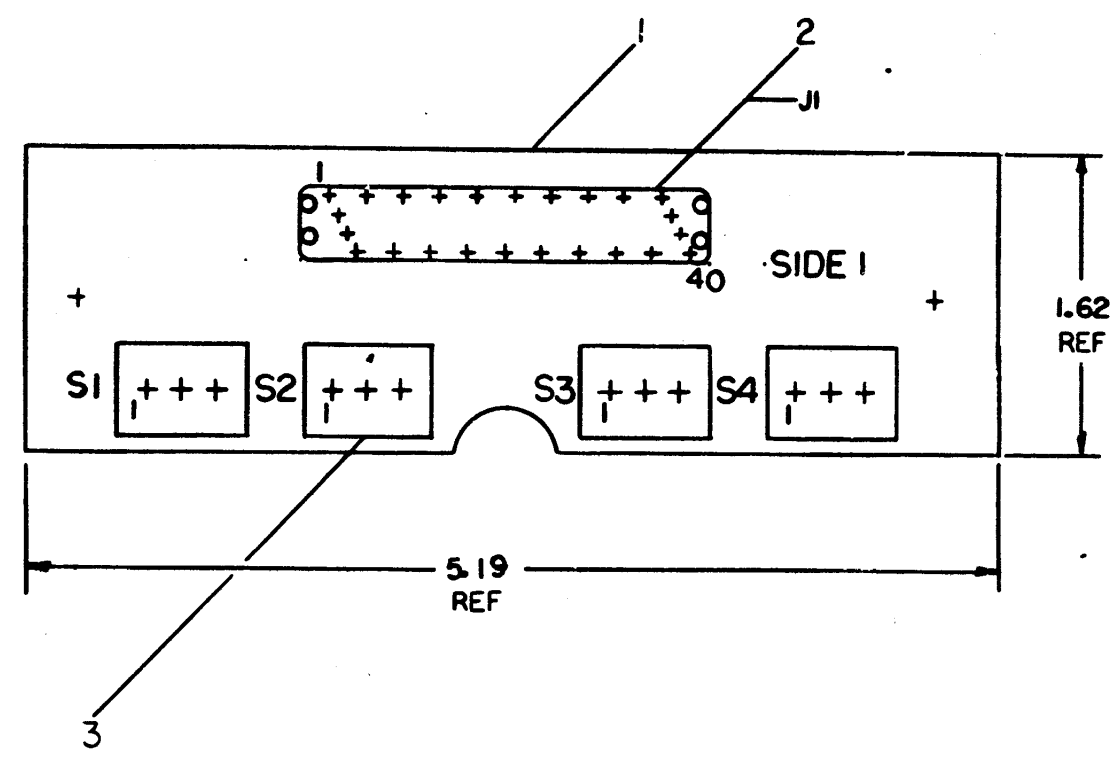
NOTES:

1. FOR DRAWING DIRECTORY REFER TO 8-DD-541360-O
2. FOR CIRCUIT SCHEMATIC SEE D-CS-M8564-0-INTJ
3. SAVE COVER OF 40 TERM. CONN. (1210073) FOR USE AT NEXT HIGHER ASSY (7010103)

1		ETCH CIRCUIT BOARD	5011359	1
1	J1	CONN, 40 TERM VALS (BODY ONLY)	1210073	2
4	S1, S2, S3, S4	SWITCH, TOGGLE	1209590	3
QTY	REF DESIGNATION	DESCRIPTION	PART NO	ITEM NO
PARTS LIST				
ETCH BOARD-REV				
		DRN CHK'D ENG PROJ. ENG PROD NEXT HIGHER ASSY B-DD-5411360-0	DATE DATE DATE DATE DATE DATE	digital EQUIPMENT CORPORATION MASTER INTERRUPT SWITCH BD SIZE CODE DUA 5411360-0-0
DEC NO.	EIA NO.	SCALE	NUMBER	REV.
CONVERSION CHART		SHEET OF 4		

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0-0-09511360-0-0 2



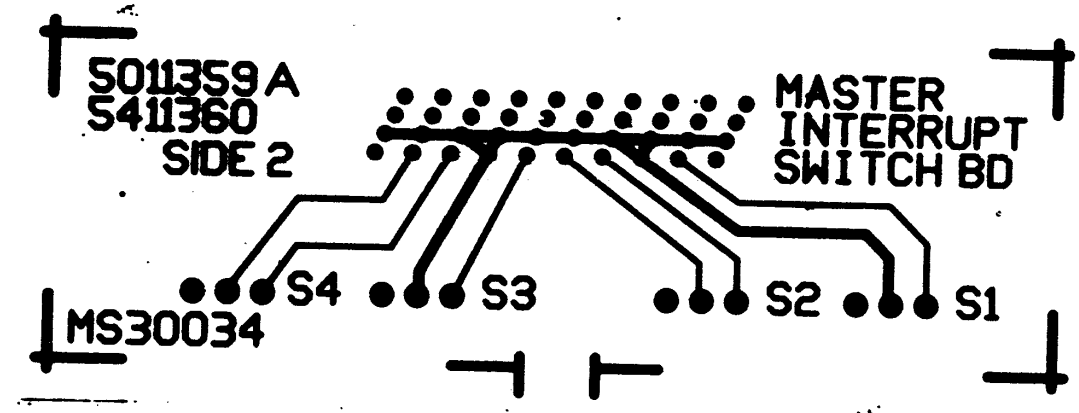
(SIDE 1)

REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE CODE	NUMBER	REV.
MASTER INTERRUPT SWITCH BD		D UA	5411360-0-0	
SCALE		SHEET 2 OF 4		DIST.

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0-0-0921165 DUA 5411360-0-0 2

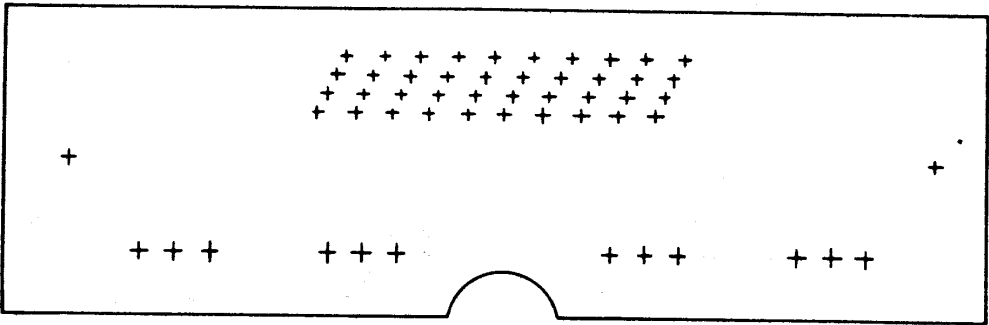


REVISIONS													(SIDE 2)		TITLE		SIZE CODE	NUMBER	REV.
CHK	CHANGE NO	REV											MASTER INTERRUPT SWITCH BD		DUA	5411360-0-0			
													SCALE	SHEET 3 OF 4	DIST.				
			8	7	6	5	4	3	2	1									

(SIDE 2)

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0-0-0951136 2 DUA 5411360-0-0



REVISIONS		
CHK	CHANGE NO	REV

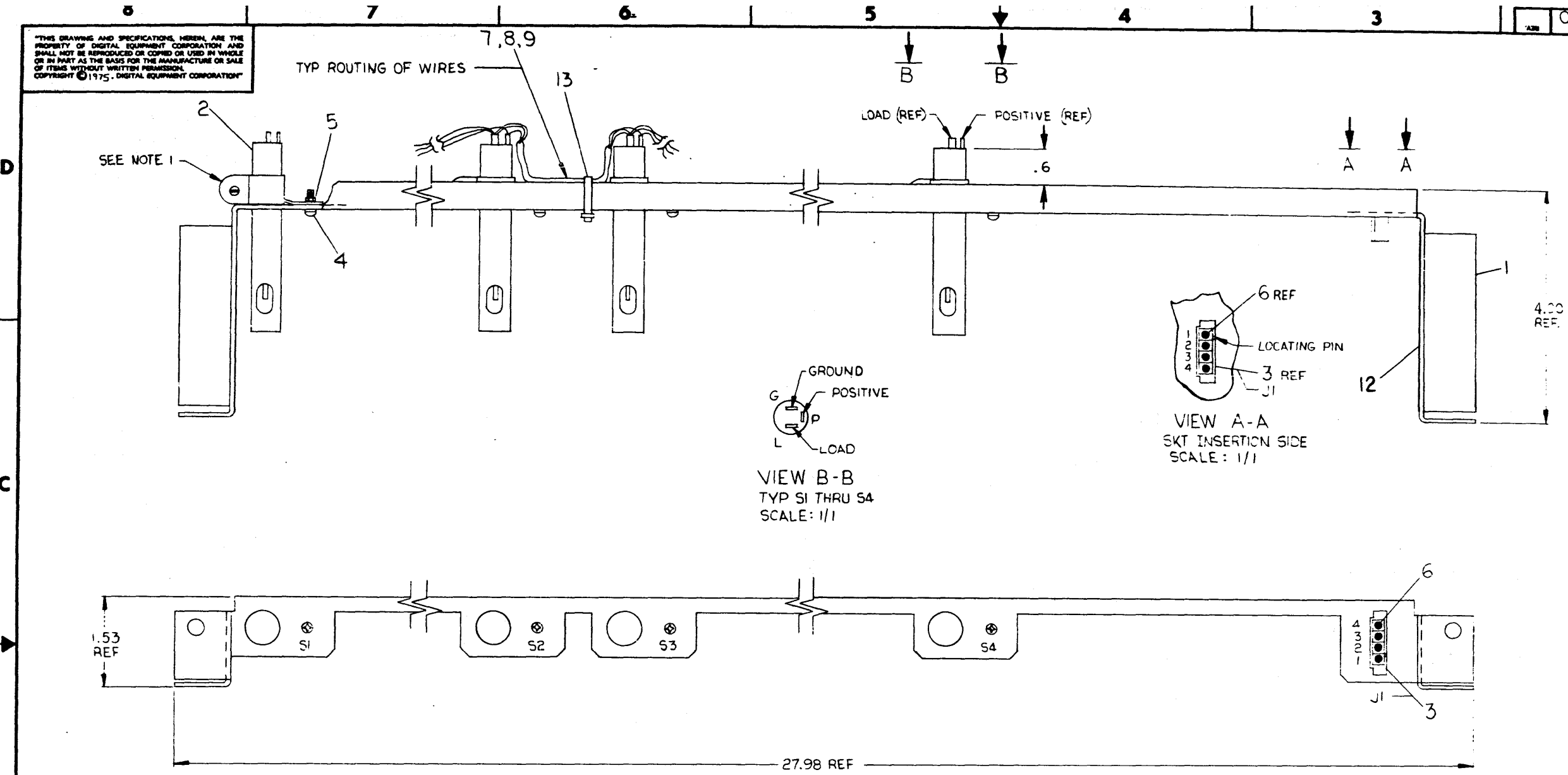
(SIDE 2)

TITLE	SIZE CODE	NUMBER	REV.
MASTER INTERRUPT SWITCH BD	DUA	5411360-0-0	
SCALE	SHEET 4 OF 4	DIST	

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0-0-0291102 71 2

NOTES:
1. SWITCH MOUNTING HARDWARE SUPPLIED WITH VANE SWITCH.



WIRE TABLE						
ITEM NO	DESCRIPTION	FROM	TO	CONN	TERM	CONN
9	22	BLK	SI-G	10 & 11	S2-G	10 & 11
			S3-G	10 & 11	S4-G	10 & 11
9		BLK	J1-2	6	J1-1	6
8		CRN	SI-P	10 & 11	S2-P	10 & 11
			S3-P	10 & 11	S4-P	10 & 11
8		CRN	J1-3	6		
7		YEL	SI-L	10 & 11	S2-L	10 & 11
			S3-L	10 & 11	S4-L	10 & 11
7	22	YEL	J-4	6		

8	CABLE TIES	9007032	13
1	LABEL ADHESIVE BACK	9009255	12
12	SHRINKABLE TUBING	9107305-02	11
12	TERMINAL QUICK CONNECT	9009137-01	10
A/R	WIRE, 22 AWG STRD (BLK)	9107350-00	9
A/R	WIRE, 22 AWG STRD (CRN)	9107350-33	8
A/R	WIRE, 22 AWG STRD (YEL)	9107350-44	7
4	TERMINAL SKT CONTACT	1209379-06	6
4	NUT, KEPS 6-32	9006560	5
4	SCR PH -D PAN 6-32x.38	9006022-1	4
1	CONN SKT HSG 4 PIN	1209350-04	3
4	VANE SWITCH SPST N.O.	1210756	2
1	BRACKET, SWITCH	D-MC-7414328-D-C	1

DESCRIPTION		DWG/PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
ANGLES "0" 30"	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES	
SURFACE QUALITY	IN	OVER 0 TO 0.2	OVER 0.2 TO 1.2
	MICRON INCHES	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0
		OVER 12.0 TO 40.0	OVER 40.0 TO 80.0
		1.004	1.008
		1.012	1.016
		1.024	1.04
		1.012	1.025
		1.04	1.083
		10.1	

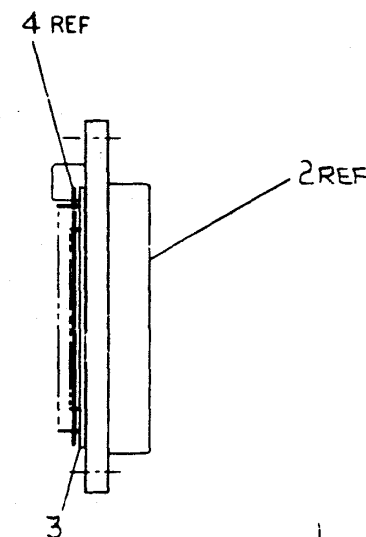
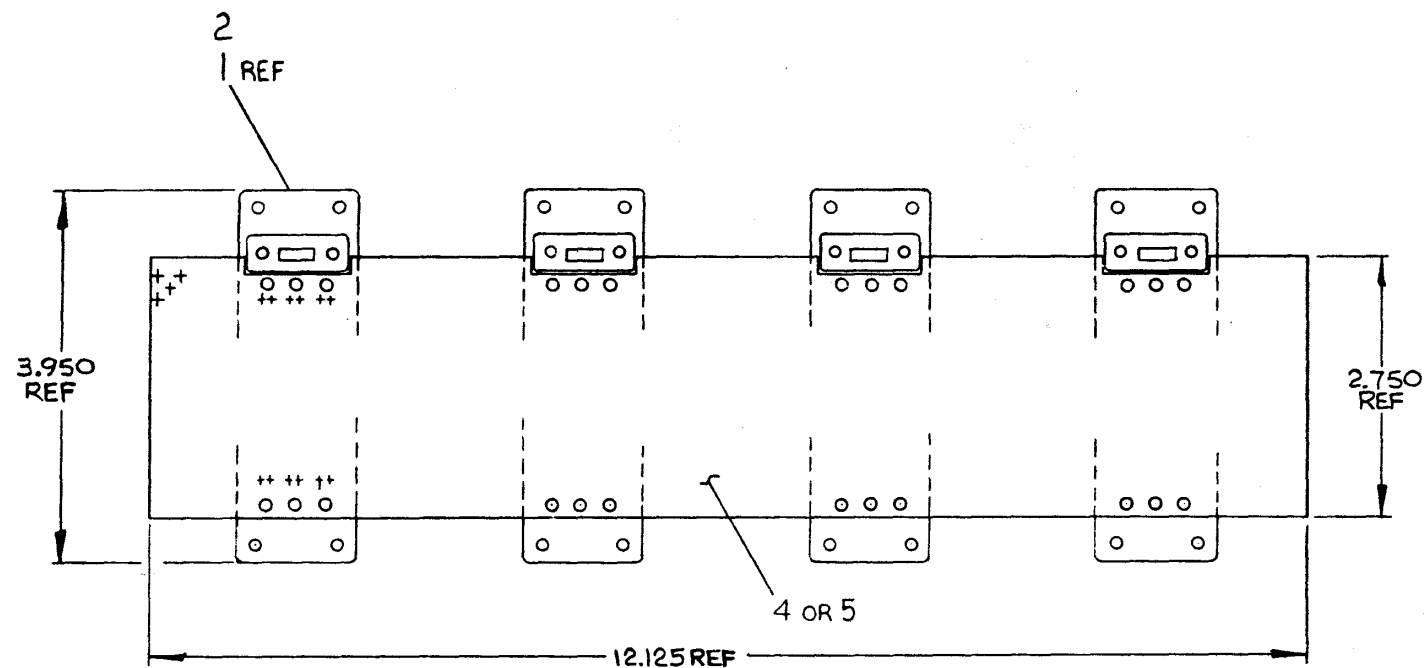
THIRD ANGLE PROJECTION	DRN. <i>[Signature]</i> 6-16-75	FIRST USED ON	KL10 digital
REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D <i>[Signature]</i> 6-25-75	TITLE	VANE SWITCH ASSY.
DO NOT SCALE DWG	ENG. <i>[Signature]</i> 7-23-75	PROJ. ENG. <i>[Signature]</i> 7-23-75	PROD. <i>[Signature]</i> 7-23-75
MATERIAL SEE PARTS LIST	E-AD-TO10101-0-0	SIZE	D
FINISH	SCALE 1/1	NUMBER	7011520-0-0
	SHEET 1 OF 1	DIST.	

REVISIONS
CHANGE NO. 1
DATE 6-17-75
BY *[Signature]*

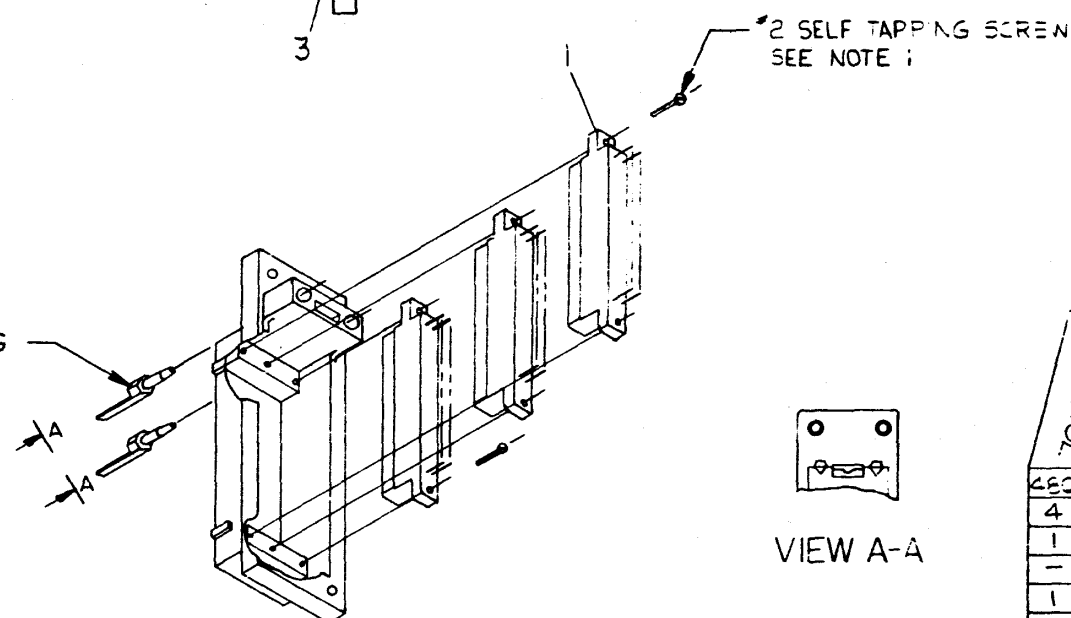
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NOTES:

1. PLUG KEYING (6) AND #2 SELF TAPPING SCR (6) SUPPLIED WITH ITEM #2 INSTALL AS SHOWN.
2. FOR ASSEMBLY REFER TO PROCESS SPECIFICATION A-SP-KLIØ-Ø-3.
3. BEFORE ASSY OF ITEM #3 (BOARD) INSTALL STAKED PINS (ITEM #7) AND SPLIT LUGS (ITEM #6) PER D-UA-54-070-Ø-Ø.



PLUG, KEYING
SEE NOTE 1



RECEPTACLE HOUSING AND MODULE ASSY

VIEW A-A

QTY.	DESCRIPTION	PART NO.	ITEM NO.
480	PIN, STAKING P.C. 3D	9009149	7
4	SPLIT LUG	9006735	6
1	GND. PLANE PROTECTION SHT	D-IA-5011772-Ø-Ø	5
1	GND. PLANE PROTECTION SHT	D-IA-5011666-Ø-Ø	4
1	ETCH C RCUIT BOARD	5011069	3
4	RECEP. HSG KIT P.C. MOUNT	1211591-29	2
12	RECEPTACLE MODULE ASSY	1211591-23	1

FIRST USED ON OPTION/MODEL		QTY.		DESCRIPTION		PART NO.		ITEM NO.		
KLIØ										
DIMENSIONAL TOLERANCE		DRN.		DATE		PARTS LIST				
DIMENSIONS ARE INCHES		CHK'D.		DATE						
UNLESS OTHERWISE SPECIFIED		ENG.		DATE						
MILLIMETERS	INCHES	ANGLES								
XXX ±0.10	XXX ±0.005	20° 30'								
XX ±0.5	XX ±0.02									
X ±2	X ±.1									
THIRD ANGLE PROJECTION		REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		NEXT HIGHER ASSY.						
MATERIAL		SEE PARTS LIST		E-AD-7009429-0-0		SIZE CODE		NUMBER		
FINISH				SCALE 1/1		D IA		7010211-0-0		
				SHEET 1 OF 1		DIST.		REV. B		

REV.	CHANGE NO.	DATE	BY	APP.
A	1	7-31-74	J. PROVIDENT	
B	2	8-16-75	J. PROVIDENT	

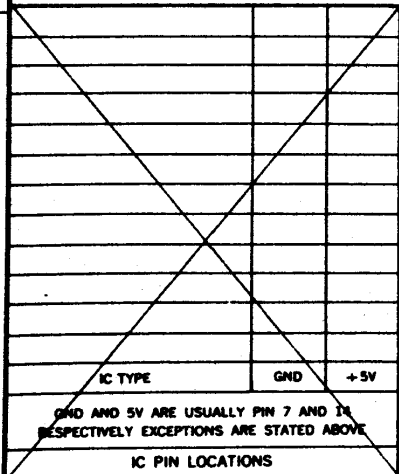
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NOTES: FOR DRAWING DIRECTORY REFER TO B-DD-5411070-0.

8 0-0-0/01175 400 3215 2 MR 1

ETCH CIRCUIT BOARD 5011069
SPLIT LUGS 9006735
PIN STAKING P.C. BOARD 9009149

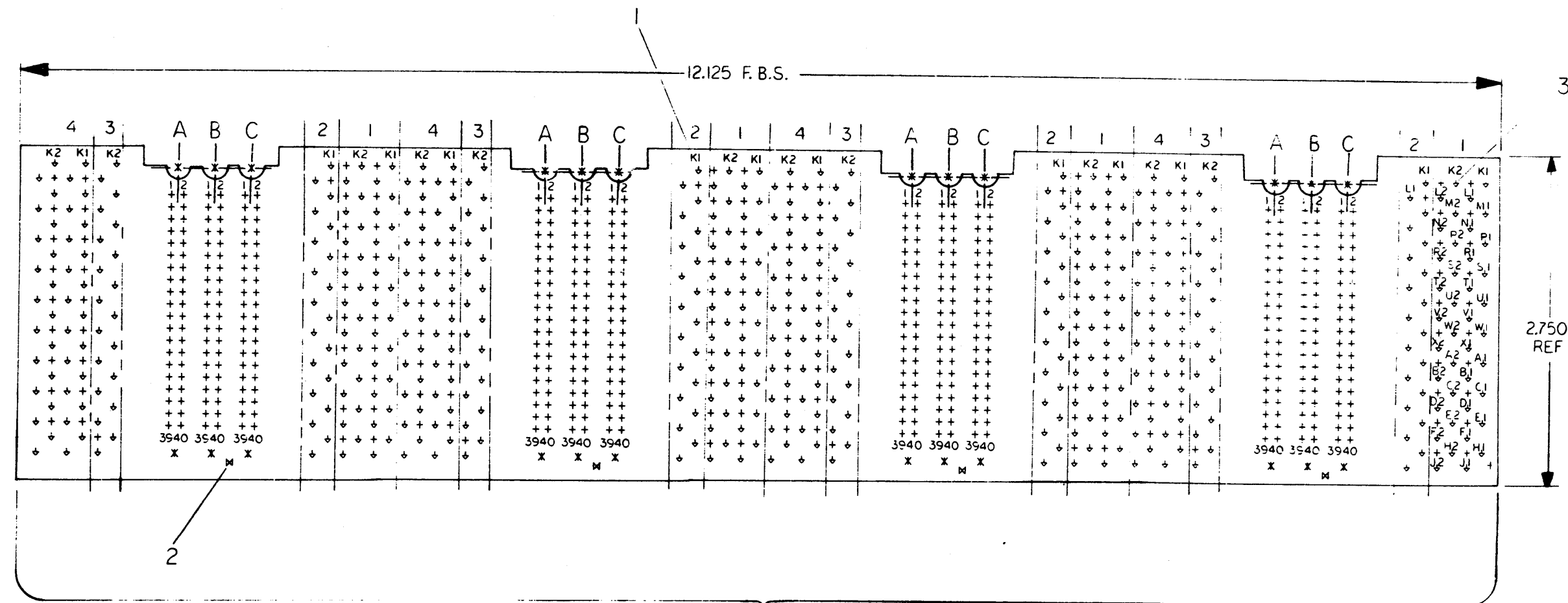
4
480



FIRST USED ON OPTION MODEL
KL10

QTY	REF. DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
ETCH BOARD REV.				
DRN.	D.E. OLSON	DATE	2-25-75	
CHK'D.	P.J. LEBLANC	DATE	2-25-75	
ENG.	CARPENITO	DATE	2-25-75	
PROJ. ENG.	CARPENITO	DATE	2-25-75	
PROD.	J. ARTHUR	DATE	2-25-75	
NEXT HIGHER ASSY				
B-DD-5411070-0				
DEC NO.	EIA NO.	DEC NO.	EIA NO.	
SEMICONDUCTOR CONVERSION CHART				
SCALE	++			
SHEET	1 OF 4			
TITLE RH20 MASSBUS TRANSITION				
SIZE CODE	D UA	NUMBER	5411070-0-0	REV. 8
DIST.				

THIS DOCUMENT CONTAINS INFORMATION OF A CONFIDENTIAL NATURE AND IS TO BE KEPT SECRET. IT IS TO BE DESTROYED WHEN NO LONGER REQUIRED FOR THE OPERATION OF THE SYSTEM. IT IS TO BE DESTROYED BY THE METHOD SPECIFIED IN THE INSTRUCTIONS TO THE DESTROYED DOCUMENTS.



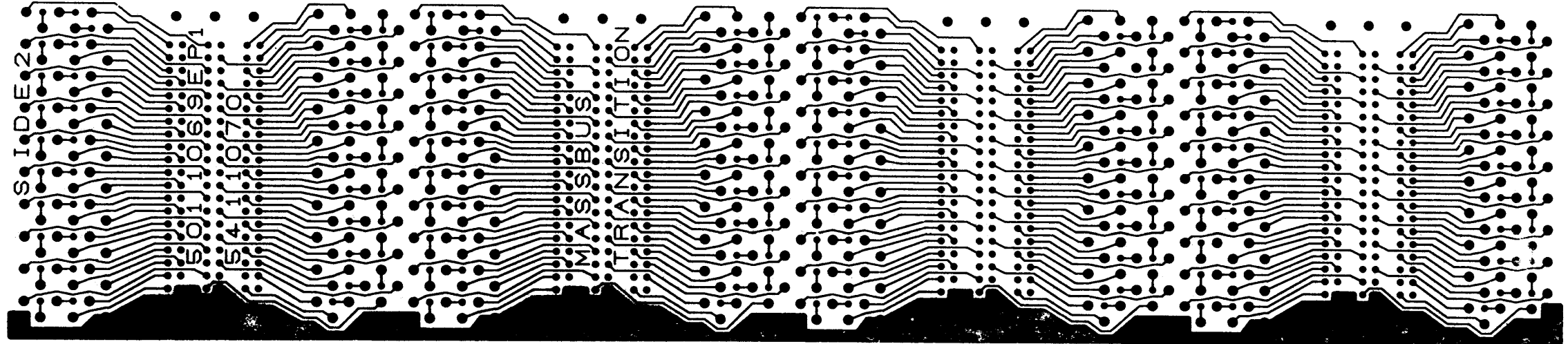
THESE ARE STEP AND REPEAT CIRCUITS NUMBER 1,2,3,4
DO NOT INDICATE LOGIC SLOTS

SIDE 1

↓ INDICATES ITEM 3
⊗ INDICATES ITEM 2

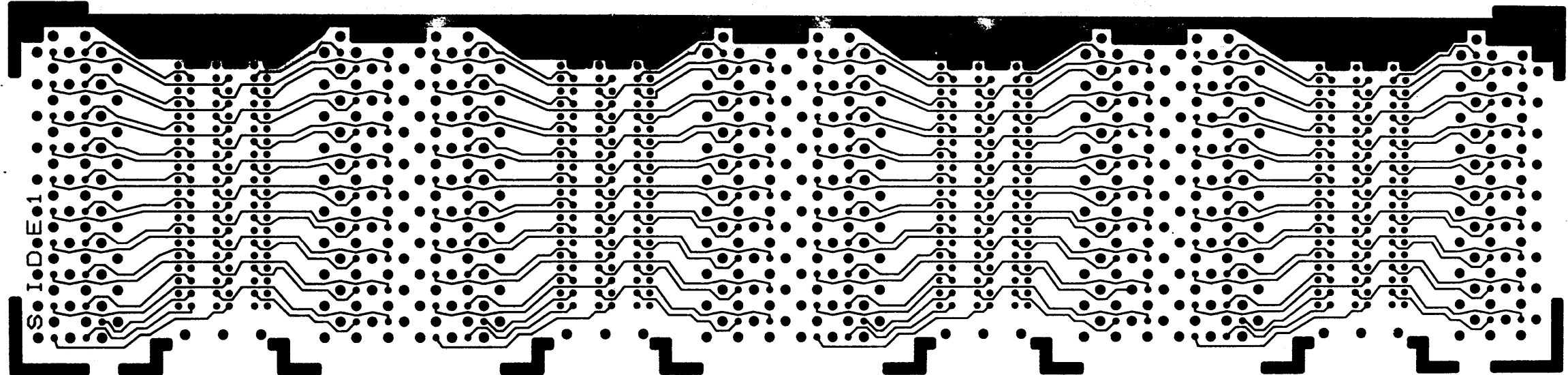
DE OLSON 2-25-75	RH20	digital
LEBLANC 2-25-75	RH20 MASSBUS TRANSITION	
CARPENITO 2-25-75		
CARPENITO		
J. ARTHUR 2-25-75		
B-DD-5411070-0		
2/1	UA	5411070-0-0 B
2	4	

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SIDE 2

5411070 5011069E - P1



SIDE 1

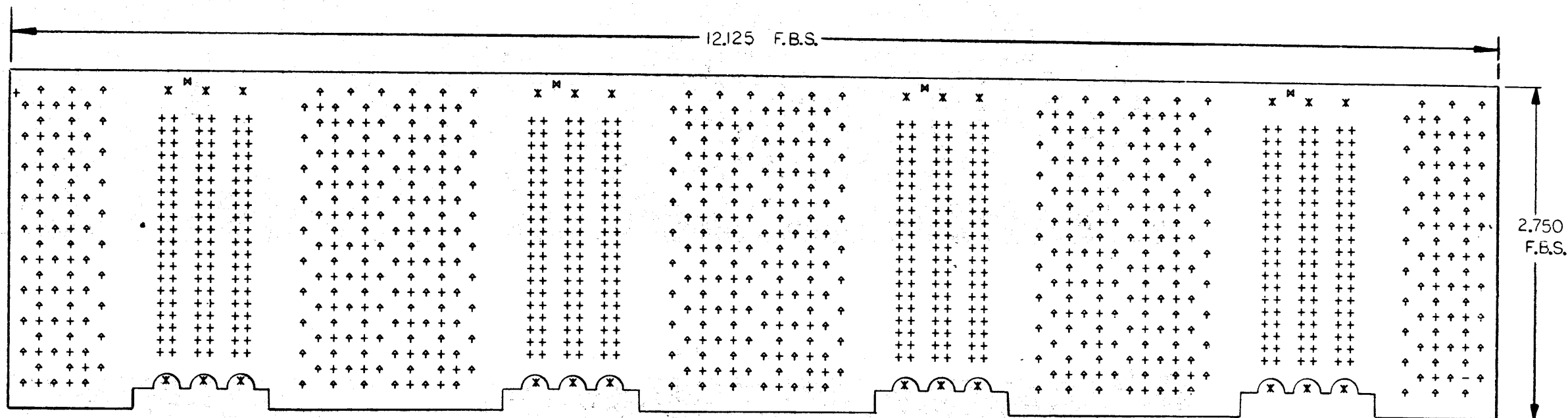
NOTES:

CHK	CHANGE	NO	REV

SIGNATURES		DATE	TITLE	
DRN. D.E. OLSON		2-25-75	RH20 MASSBUS TRANSITION	
CHK'D. P.J. LEBLANC		2-25-75		
ENG. CARPENITO		2-25-75		
PROJ. ENG. CARPENITO				
PROD. J. ARTHUR		2-25-75	SCALE 2/1	
SHT. 3		OF 4	SIZE CODE	NUMBER
D		UA 5411070-0-0	REV	B
FIRST USED ON		KL10		

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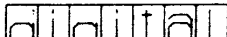
0-0-0-0201165 2 1



SIDE 2

NOTES:

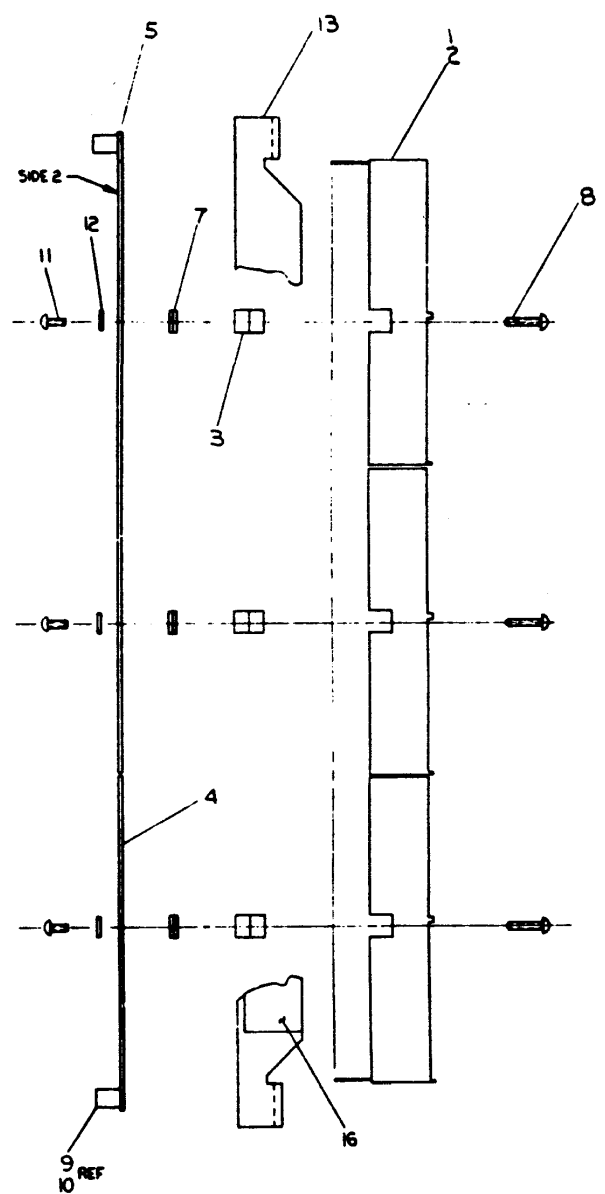
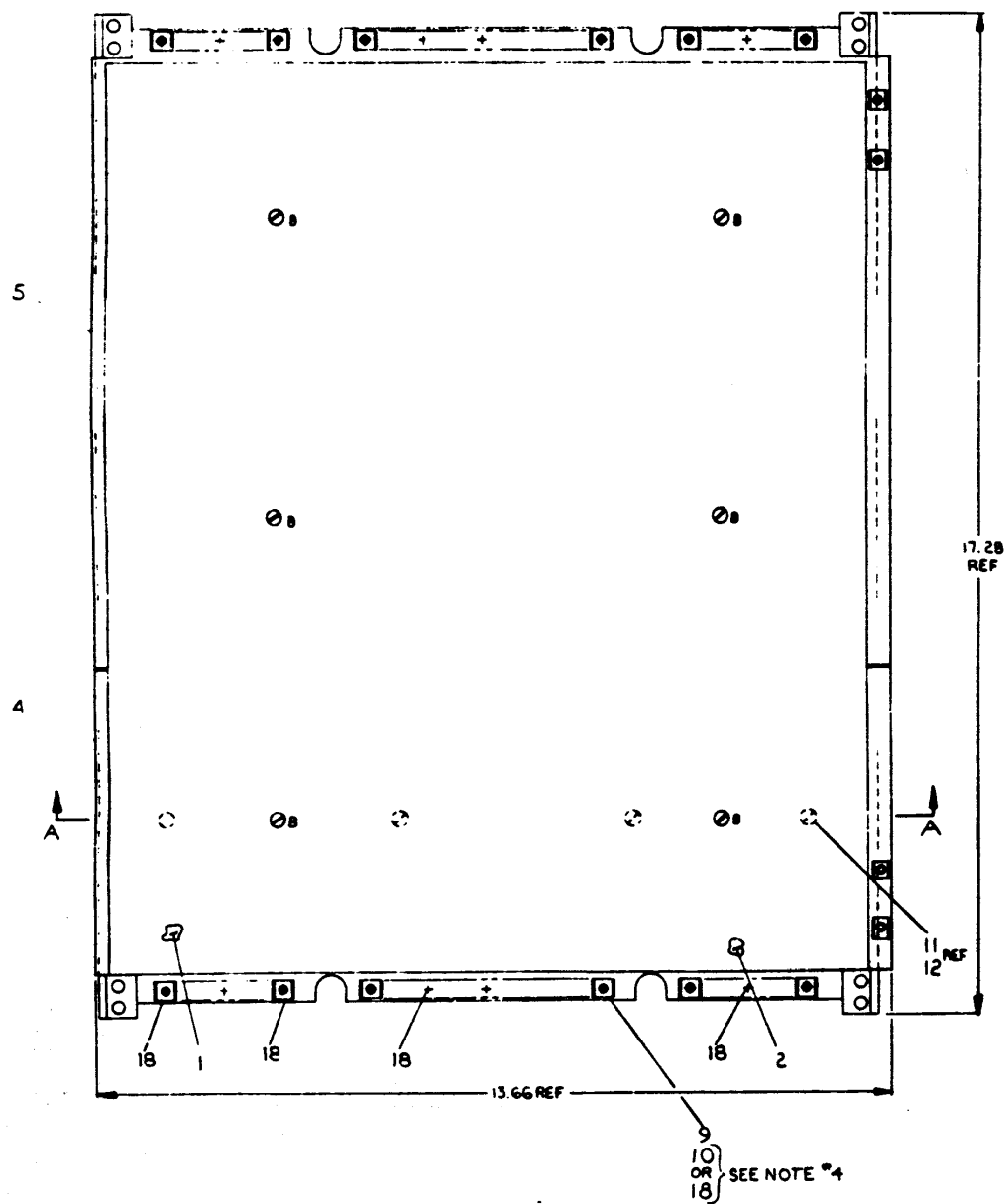
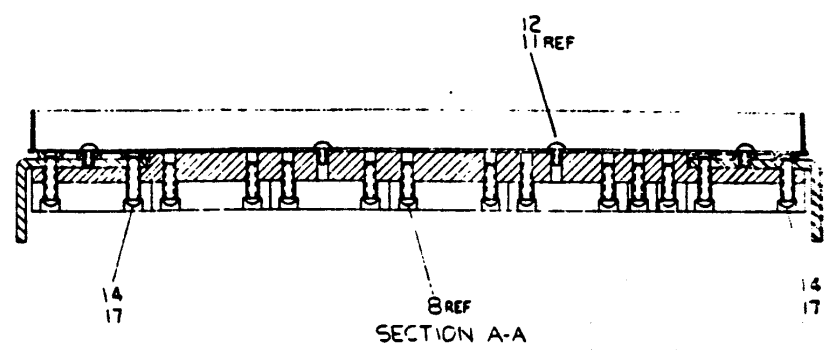
CHANGE NO	REV

SIGNATURES	DATE		
DRN. D.E. OLSON	2-25-75		
CHK. D.P.J. LEBLANC	2-25-75		
ENG. CARPENITO	2-25-75		
PROJ. ENG. CARPENITO			
PROD. J. ARTHUR	2-25-75		
TITLE		RH20 MASSBUS TRANSITION	
SCALE 2/1	SIZE CODE	NUMBER	REV
SHT. 4 OF 4	D UA	5411070-0-0	B
ETCH REV E		FIRST USED ON KL10	

MR 1 MS# 30153

DATA EQUIP

- NOTES:
1. CUT ITEM #6 TO LENGTH GIVEN IN DETAIL 'A'. GROUND PLANE PROTECTION SHEETS SHOULD BE TAPED TOGETHER AS SHOWN WITH ITEM #15 (2 PLACES).
 2. FOR ASSY AID REFER TO PROCESS SHEET A-SP-KL10-5PS.
 3. BEFORE ASSY OF ITEM #4 (BOARD) REWORK PER D-VA-5410-78-0-0 REV 0 AND ITEM #5 (BOARD) REWORK PER D-VA-5410-677-0-0 REV 0.
 4. USE ITEM #10 IN GROUND TABS.
 5. REMOVE ITEM #14, 15, AFTER MOUNTING WITH 7009430 8 PLACES.



15	WIRE SHIELDS	9009754	19
5	FASTON TAB	9008219	18
12	WASHER LOCK #8	9006490	17
1	LABEL ADHESIVE BACK	9007255	16
12	SCR. PHIL FIL MD 78-32-81 LG	9009644	14
2	BRACKET LOGIC FRAME	9007113	13
12	WASHER LOCK INT 10TH #6	9006633	12
12	SCR SLOTTED BIND MD 78-32-31	9006321	11
19	FASTON TAB	9007113	10
24	EYELET	9009000	9
30	SCR FIL MD 78-32-81 LG	9006200	8
3	SPACER BACKPLANE	9007113	7
1	ETCH CIRCUIT BOARD (A-D)	5010656	6
1	ETCH CIRCUIT BOARD (E-F)	5010657	5
3	BAR BACKPLANE	9007113	4
6	2 PIN CONN BLOCK	9007113	3
18	288 PIN CONN BLOCK (HB6)	9007113	2

SEE PARTS LIST

AD 7009429-0-0

AD 7009431-0-0

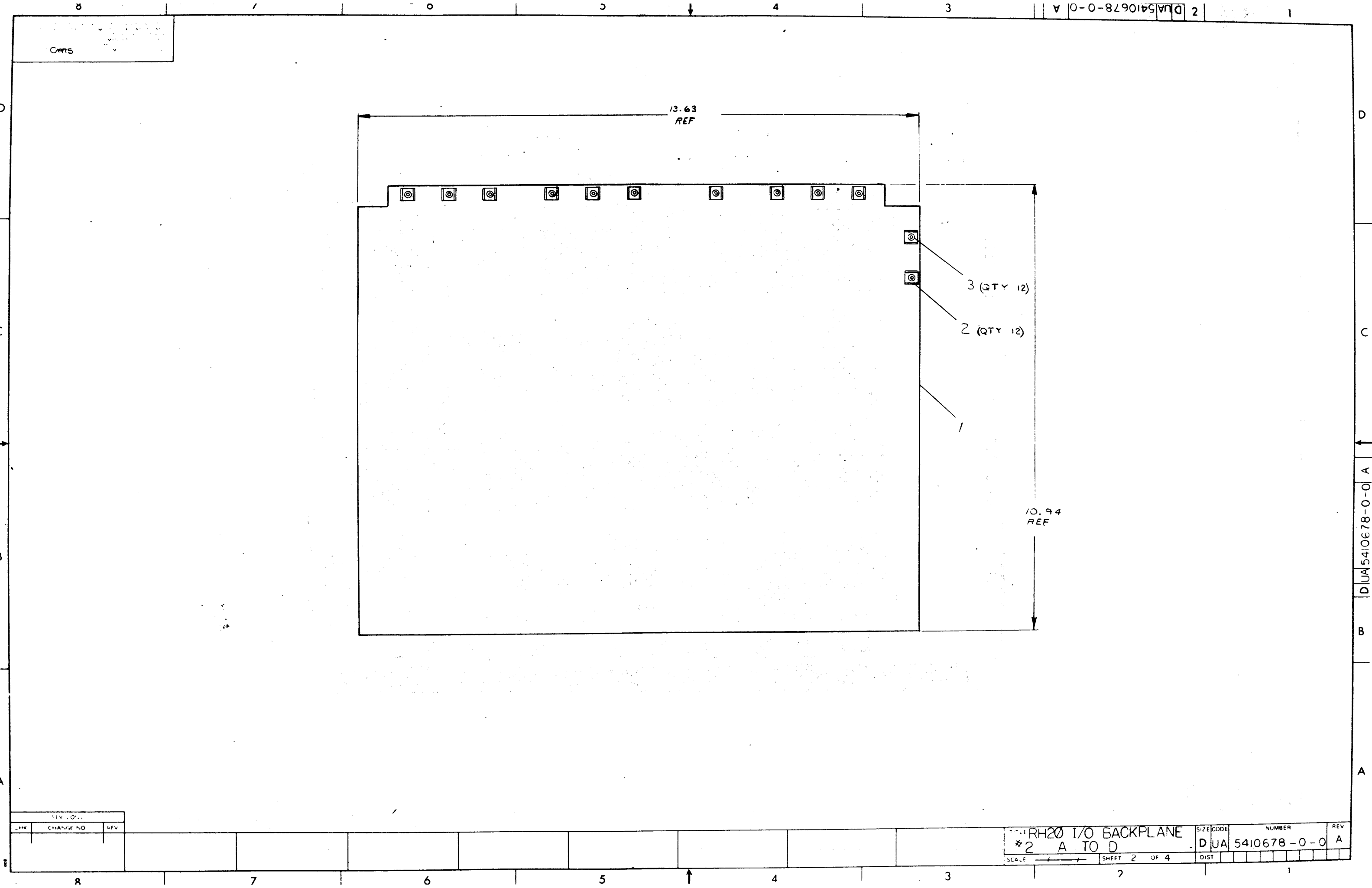
RH20 BACKPLANE ASSY

DIGITAL EQUIPMENT CORP.

ETCH CUTS SIDE 2 AS SHOWN

- 1 CUT ETCH IN ROW "A" AT PTH BELOW -5V.
2 CUT ETCH IN ROW "B" AT PTH BELOW PIN BVI.

QTY		REF DESIGNATION		DESCRIPTION		PART NO.	
FIRST USED ON OPTION MODEL				PARTS LIST			
KL10				ETCH BOARD REV			
DRN		DATE		digital EQUIPMENT CORPORATION WATYARD MASSACHUSETTS			
CHK'D		DATE					
ENG'D		DATE					
PROG'D		DATE					
PRPD		DATE					
NEXT HIGHER ASSY				TITLE			
B-DD-5410678-0				RH20 I/O			
				BACKPLANE *2 A TO D			
DEC NO.		EIA NO.		DEC NO.		EIA NO.	
SEMICONDUCTOR CONVERSION CHART							
SCALE		SHEET		OF		REV.	
1		1		4		A	
DIST.							



0.015

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REF

10.94
REF

3 (QTY 12)

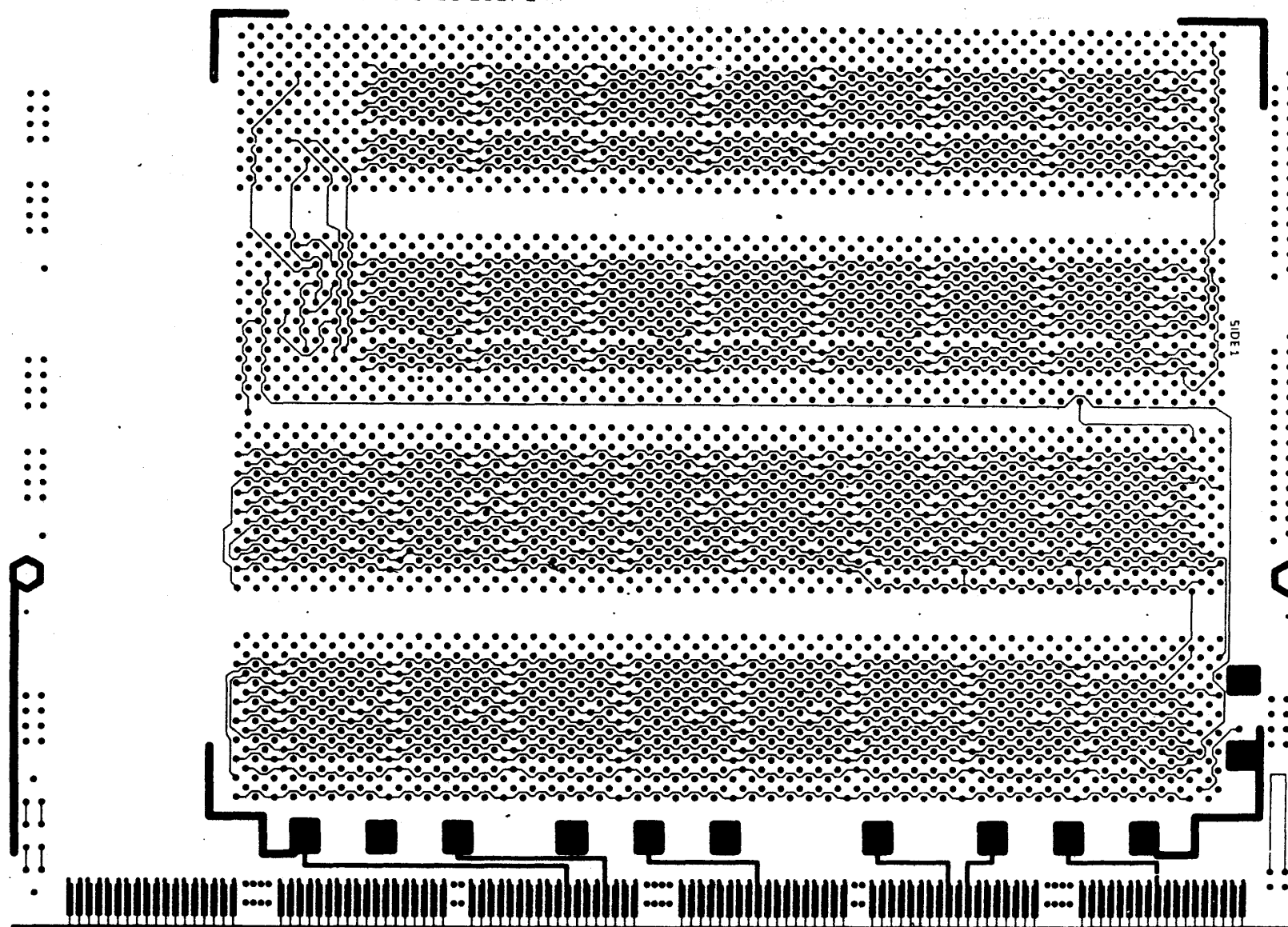
2 (QTY 12)

1

REV. LOG		
CHK	CHANGE NO	REV

TITLE		SIZE	CODE	NUMBER		REV
*2 RH20 I/O BACKPLANE		D	UA	5410678-0-0		A
*2 A TO D		SHEET 2 OF 4		DIST		

541067X 5010657E-PI



REVISIONS		
CHK	CHANGE NO.	REV.

LAYER 1

TITLE	RH20 I/O BACKPLANE
"2	A TO D

SIZE	CODE	NUMBER
D	UA	5410678-0-0

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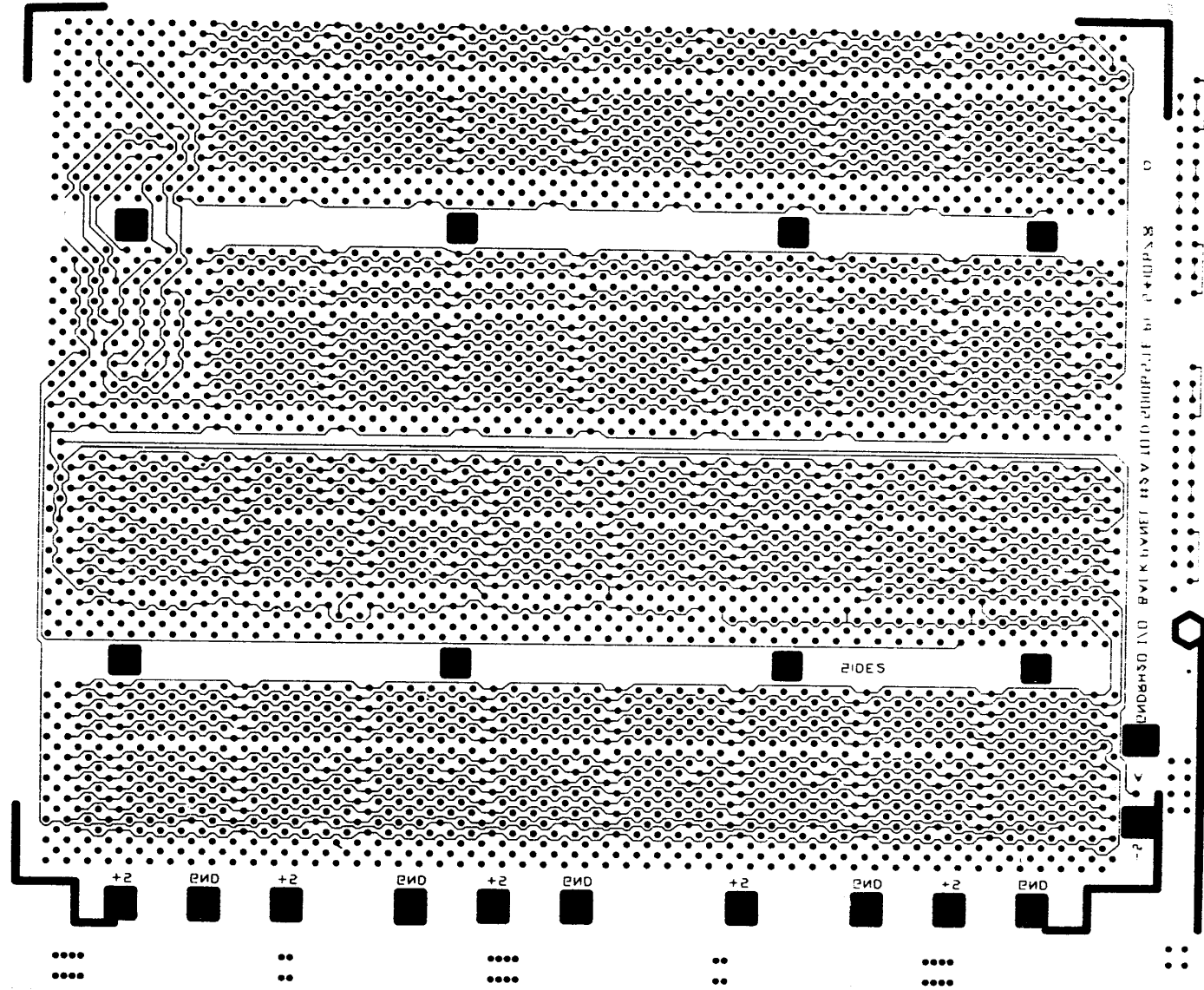
SCALE SHEET . 3 OF 4

DIST						
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LAYER 4



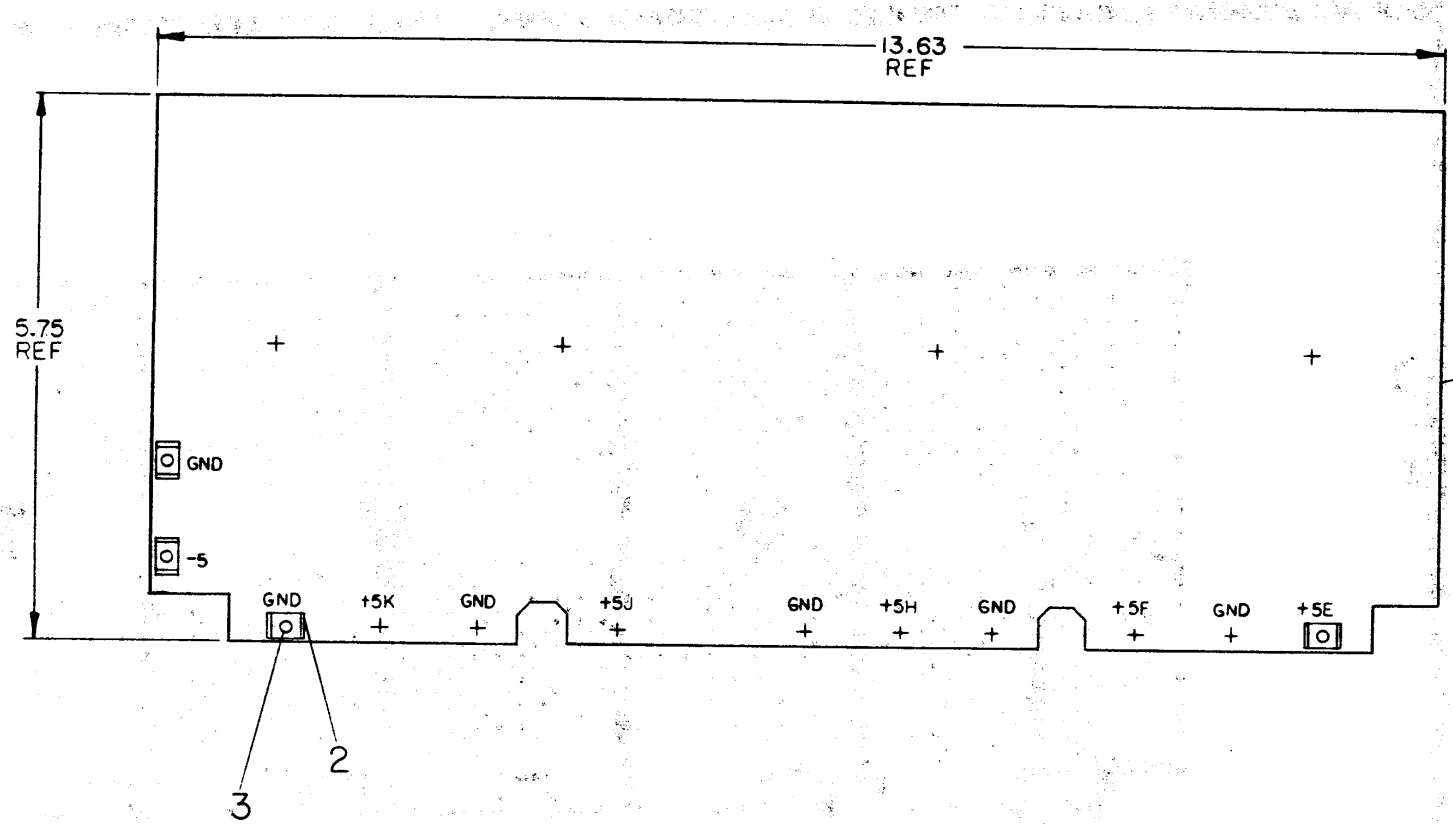
REVISIONS		
CHK	CHANGE NO	REV

TITLE RH20 I/O BACKPLANE				SIZE CODE		NUMBER		REV	
2 A TO D				D		UA 5410678-0-0		A	
SCALE				SHEET 4 OF 4		DIST			

▲

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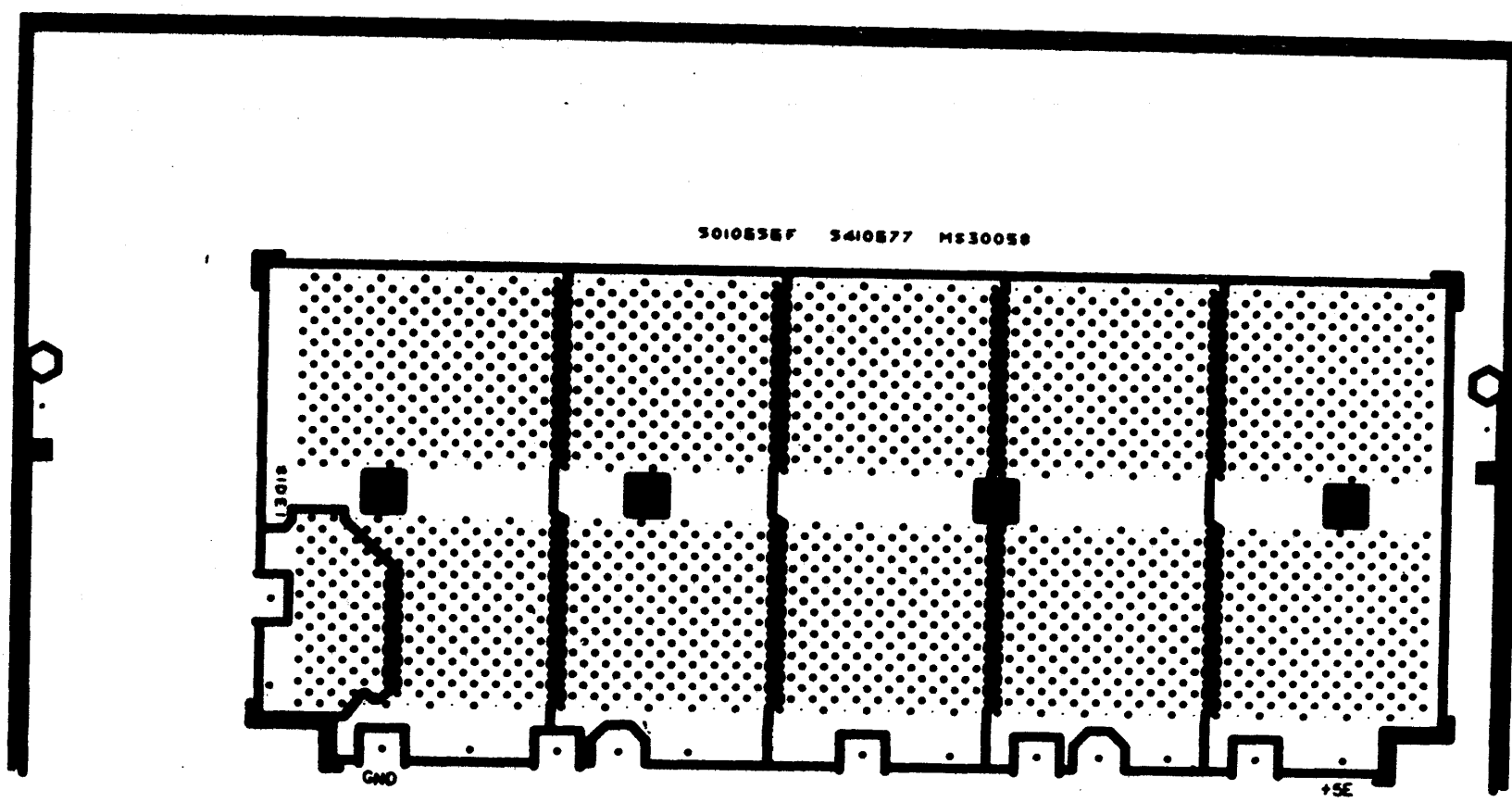
REV. A 5410677-0-0 2



REVISIONS													TITLE	SIZE CODE	NUMBER	REV.
CHK	CHANGE NO	REV											RH20 I/O BACKPANEL E TO F	D UA	5410677-0-0	A
													SCALE 1/1	SHEET 2 OF 4	DIST.	

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Y 0-0-2250155 M10 2

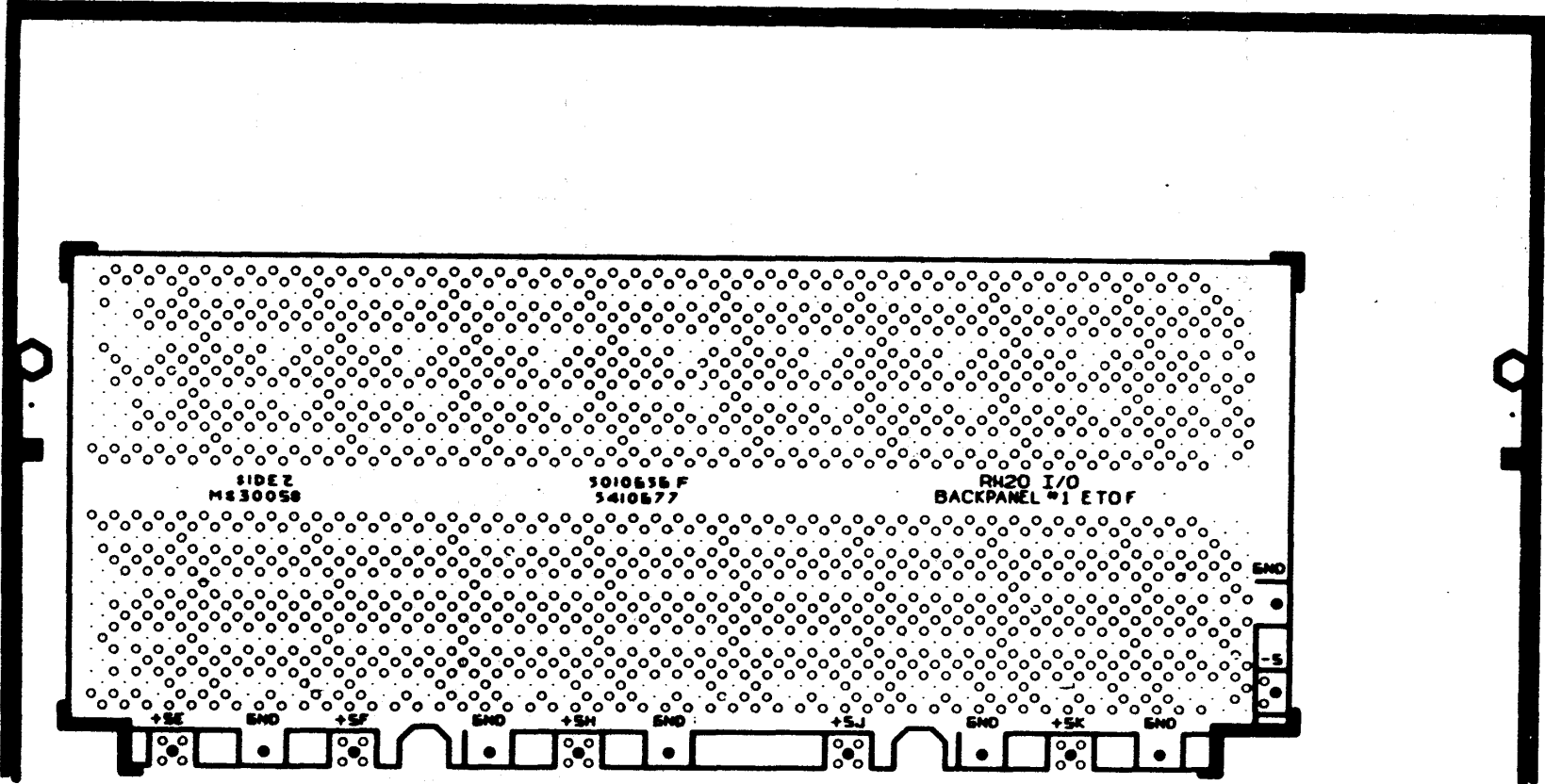


REVISIONS		
CHK	CHANGE NO	REV

(SIDE 1)		TITLE		SIZE CODE		NUMBER		REV.	
RH20 I/O BACKPANEL		E TO F		D UA		5410677-0-0		A	
SCALE 1/1		SHEET 3 OF 4		DIST.					

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Y 0-0-7790145 MID 2



REVISIONS		
CHK	CHANGE NO	REV

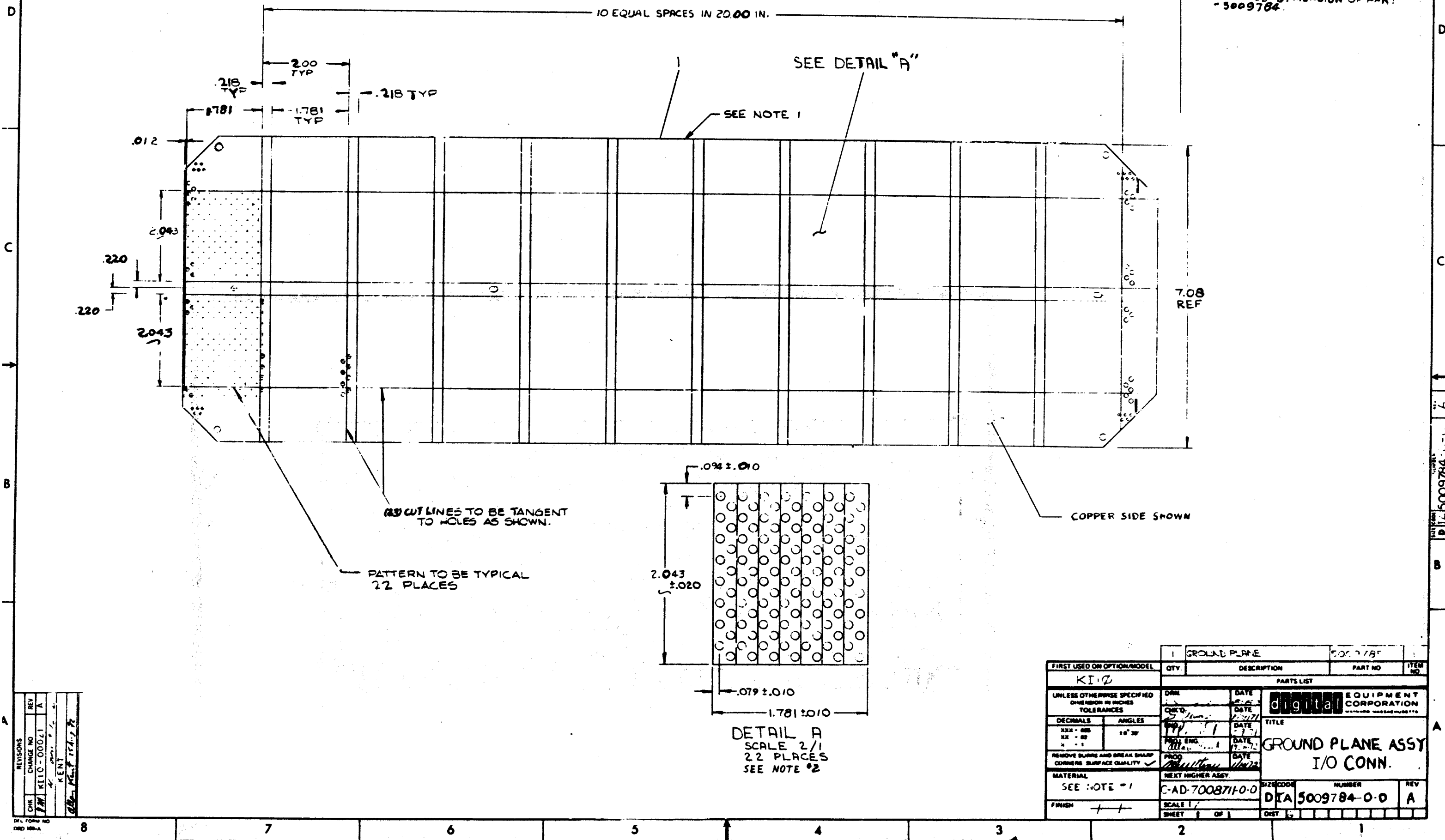
(SIDE 2)

TITLE	SIZE CODE	NUMBER	REV.
RH20 I/O BACKPANEL #1 E TOF	DUA	5410677-0-0	A
SCALE 1/1	SHEET 4 OF 4	DIST.	

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NOTES:

1. REWORK DEC PART #5009785 TO PRODUCE 22 PCS OF #5009784 BY CUTTING AS SHOWN
2. DETAIL A REPRESENTS THE FINISHED DIMENSION OF PART #5009784.



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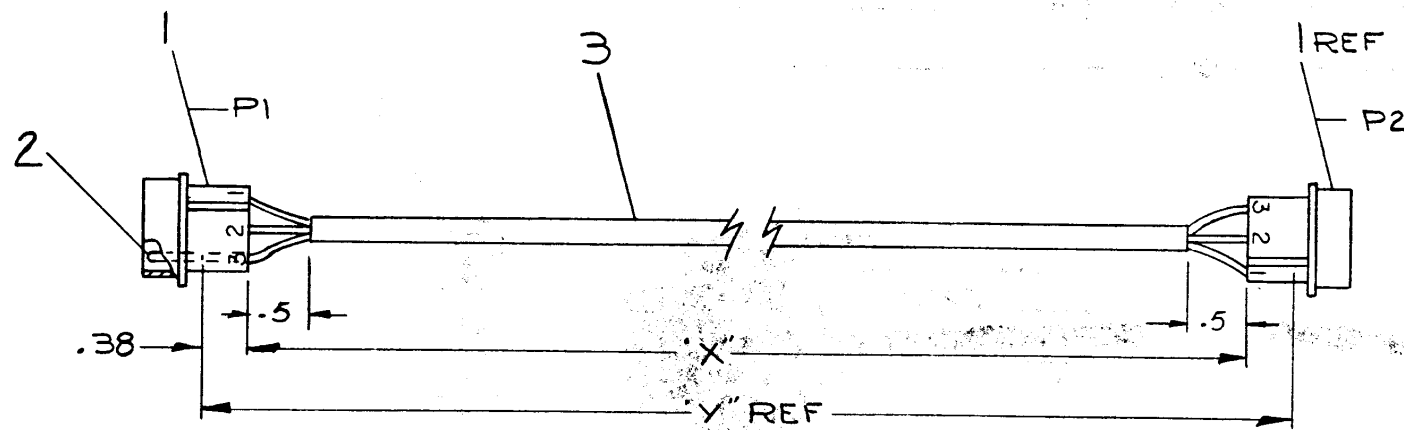
WIRE TABLE

ITEM NO	DESCRIPTION	FROM		TO	
		AWG	COLOR	CONNECTION	WITH
3	22	RED	PI-1	2	P2-1
3	22	BLK	PI-2	2	P2-2
3	22	GRN	PI-3	2	P2-3

NUMBER	DIM'X' VARIATION	DIM'Y' (PRECUT) REF
7008288-3F	3FT. 6IN ± 1 IN.	3FT. 6.8 IN ± 1 IN.
7008288-8F	8FT. 6IN ± 2 IN.	8FT. 6.8 IN ± 2 IN.
7008288-06	6FT. ± 2 IN.	6FT. 0.8 IN ± 2 IN.
7008288-12	12FT. ± 3 IN.	12FT. 0.8 IN ± 3 IN.
7008288-05	5FT. ± 1 IN.	5FT. 0.8 IN ± 2 IN.
7008288-10	10FT. ± 2 IN.	10FT. 0.8 IN ± 3 IN.
7008288-15	15FT. ± 3 IN.	15FT. 0.8 IN ± 3 IN.
7008288-08	8FT. ± 2 IN.	8FT. 0.8 IN ± 2 IN.
7008288-30	30FT. ± 7 IN.	30FT. 0.8 IN ± 7 IN.
7008288-40	40FT. ± 10 IN.	40FT. 0.8 IN ± 10 IN.
7008288-25	25FT. ± 10 IN.	25FT. 0.8 IN ± 10 IN.

NOTES

~~THE REMAINING BLK WIRE IS TO BE CUT AT JACKET (BOTH ENDS.)~~



REV.	CHANGE NO.	REV.
A	7008288-00001	A
B	7008288-00002	B
C	7008288-00003	C
D	7008288-00004	D
E	7008288-00005	E
F	7008288-00006	F
G	7008288-00007	G
H	7008288-00008	H
I	7008288-00009	I
J	7008288-00010	J

FIRST USED ON OPTION/MODEL
PDP/11

UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
DECIMALS FRACTIONS ANGLES
± .006 ± 1/64 ± 0°30'
FINAL SURFACE QUALITY
REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL
SEE PARTS LIST

FINISH
//

A/R	WIRE, 3 COND #22AWG	9107756	3
6	PIN MALE #60620-1	1209378-03	2
2	PIN HOUSING #1-480305-0	1209351-03	1

QTY.	DESCRIPTION	PART NO.	ITEM NO.

PARTS LIST

DRN.	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHK'D.	DATE	
ENG.	DATE	
PROJ. ENG.	DATE	
PROD.	DATE	

TITLE
CABLE ASSY

SIZE CODE	NUMBER	REV.
CIA	7008288-0-0	J

SHEET 1 OF 1

SIZE CODE
NUMBER
CIA 7008288-0-0 J

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LEGEND

NUMBER	DIM "X" VARIATION	DIM "Y" (PRECUT) REF
BC05F-15	15 FT. $\pm$ 3 IN.	15 FT. .75 IN. $\pm$ 3 IN.
BC05F-9	9 FT. $\pm$ 2 IN.	9 FT. .75 IN. $\pm$ 2 IN.
BC05F-04	4 FT. $\pm$ 1 IN.	4 FT. .75 IN. $\pm$ 1 IN.
BC05F-25	25 FT. $\pm$ 3 IN.	25 FT. .75 IN. $\pm$ 3 IN.
BC05F-30	30 FT. $\pm$ 2%	30 FT. .75 IN. $\pm$ 2%
BC05F-45	45 FT. $\pm$ 2%	45 FT. .75 IN. $\pm$ 2%
BC05F-50	50 FT. $\pm$ 2%	50 FT. .75 IN. $\pm$ 2%
BC05F-90	90 FT. $\pm$ 2%	90 FT. .75 IN. $\pm$ 2%
BC05F-80	200 FT. $\pm$ 2%	200 FT. .75 IN. $\pm$ 2%
BC05F-C0	300 FT. $\pm$ 2%	300 FT. .75 IN. $\pm$ 2%
BC05F-E0	500 FT. $\pm$ 2%	500 FT. .75 IN. $\pm$ 2%

WIRE TABLE

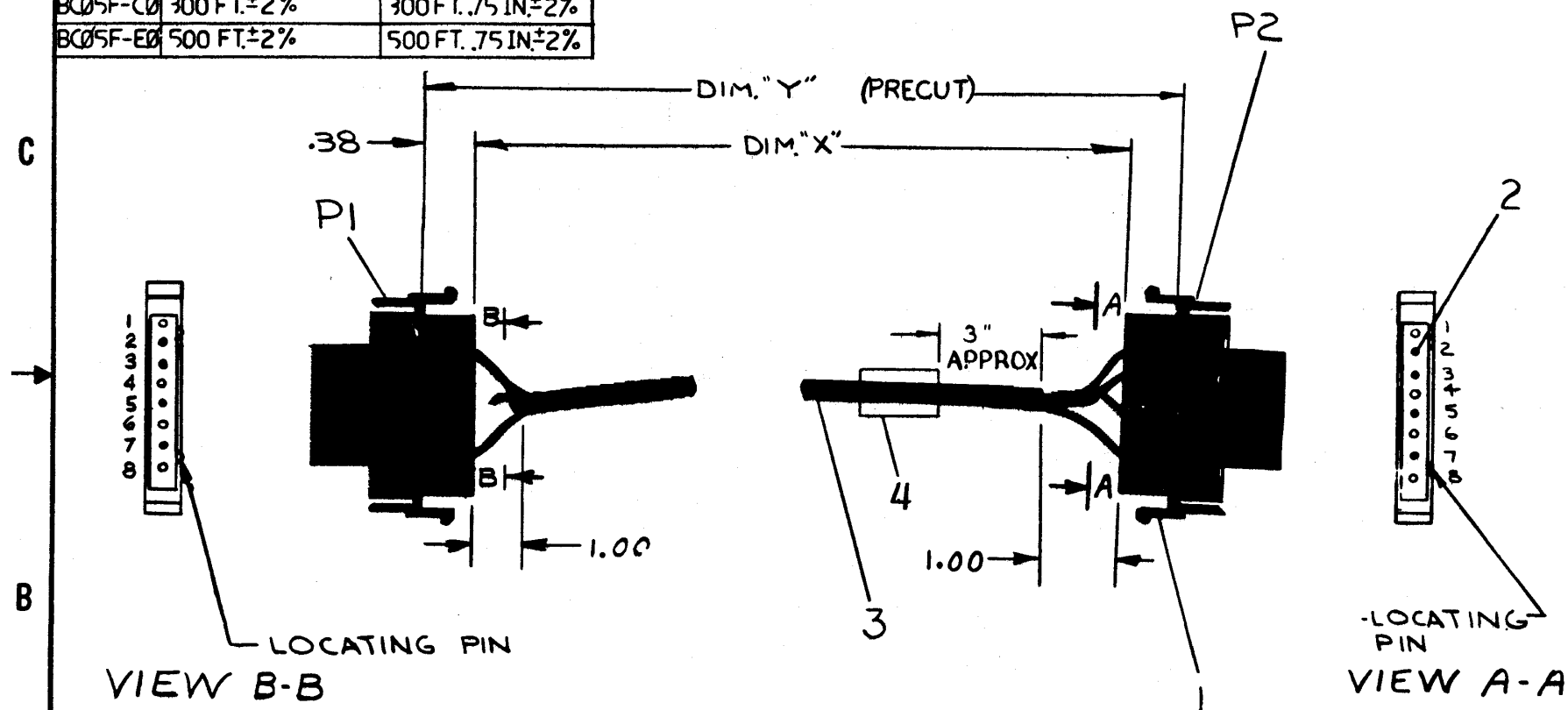
ITEM NO	DESCRIPTION	FROM	TO
3	22 BLK	P1-2	P2-3
3	22 RED	P1-3	P2-2
3	22 WHT	P1-5	P2-7
3	22 GRN	P1-7	P2-5

LEGEND CONT.

NUMBER	DIM "X"	DIM "Y" REF
BC05F-E5	550 FT. $\pm$ 2%	550 FT. .75 IN. $\pm$ 2%
BC05F-L0	1000 FT. $\pm$ 2%	1000 FT. .75 IN. $\pm$ 2%

NOTES:

1. ASSEMBLE CABLE I.D. LABEL TO AREA AS SHOWN BELOW.

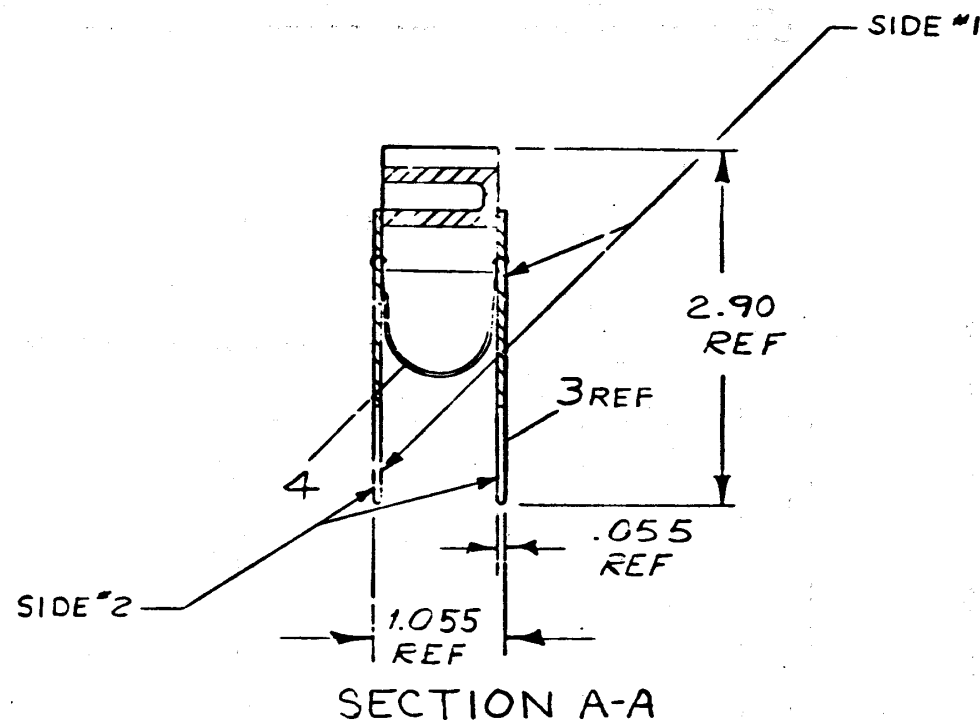
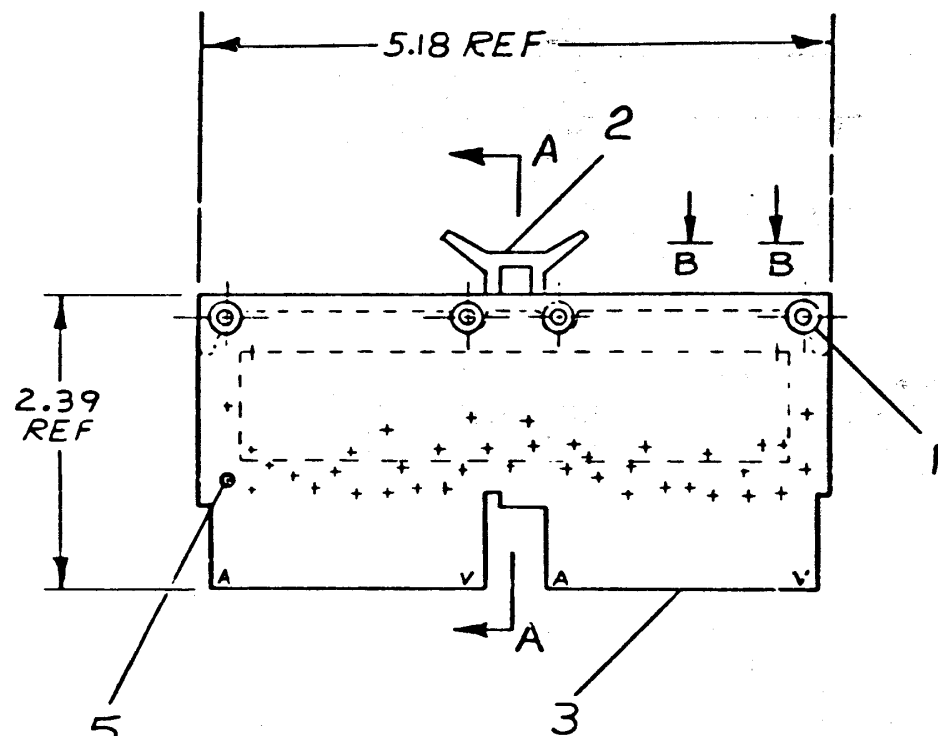
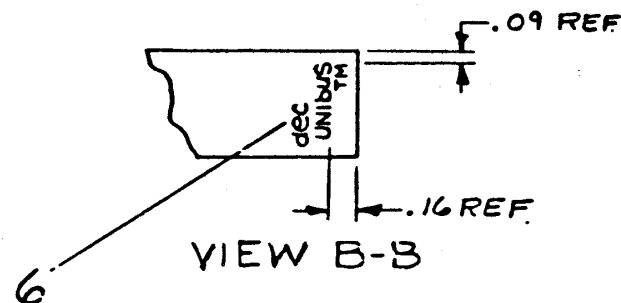


CAUTION: FOR OFF SHEET PARTS LIST
SEE K-PL-BC05F-0-0.

REV.	CHANGE NO.	REV.
A	BC05F-00001	A
B	LA36-00119	B
C	BC05F-00002	C
D	BC05F-ML003	D
E	BC05F-MK004	E
F	BC05F-MK005	F
G	BC05F-MK006	G
H	BC05F-MK007	H
I	BC05F-MK008	I
J	BC05F-MK009	J
K	BC05F-MK010	K
L	BC05F-MK011	L
M	BC05F-MK012	M
N	BC05F-MK013	N
O	BC05F-MK014	O
P	BC05F-MK015	P
Q	BC05F-MK016	Q
R	BC05F-MK017	R
S	BC05F-MK018	S
T	BC05F-MK019	T
U	BC05F-MK020	U
V	BC05F-MK021	V
W	BC05F-MK022	W
X	BC05F-MK023	X
Y	BC05F-MK024	Y
Z	BC05F-MK025	Z

FIRST USED ON OPTION MODEL DFII	QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED				
UNLESS OTHERWISE SPECIFIED				
DIMENSION IN INCHES				
TOLERANCES				
DECIMALS FRACTIONS ANGLES				
$\pm .005$ $\pm 1/64$ $\pm 0^{\circ}30'$				
FINAL SURFACE QUALITY				
REMOVE BURRS AND BREAK SHARP CORNERS				
MATERIAL				
FINISH				
SCALE				
SHEET 1 OF 1				
NEXT HIGHER ASSY				
DRN. <i>H. London</i> DATE <i>10/6/71</i>				
CHK'D. <i>P. Miller</i> DATE <i>10/8/71</i>				
ENG. <i>Robert Fitch</i> DATE <i>10-19-71</i>				
PROJ. ENG. <i>Robert Fitch</i> DATE <i>10-19-71</i>				
PROD. <i>Paul Gagne</i> DATE <i>11-24-71</i>				
TITLE				
CABLE INTERFACE				
BC05F				
SIZE CODE				
CUA BC05F 0-0				
NUMBER				
REV. E				

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REV.	CHG. NO.	DATE	BY	APP.
1	1	11/1/69	W. J. ...	...
2	2	11/1/69	W. J. ...	...
3	3	11/1/69	W. J. ...	...
4	4	11/1/69	W. J. ...	...

DEC FORM NO. 100

FIRST USED ON OPTION	QTY.	DESCRIPTION	PARTS LIST	PART NO.	ITEM NO.
PCP11					
UNLESS OTHERWISE SPECIFIED	DRN. <i>[Signature]</i>	DATE <i>7/60</i>	DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
UNLESS OTHERWISE SPECIFIED	CHK'D. <i>[Signature]</i>	DATE <i>11/1/69</i>			
UNLESS OTHERWISE SPECIFIED	ENG. <i>[Signature]</i>	DATE <i>11/1/69</i>			
UNLESS OTHERWISE SPECIFIED	PROD. <i>[Signature]</i>	DATE <i>11/1/69</i>			
MATERIAL	NEAT - HIGH RES.		INTERNAL BUS CONN ASSY		
FINISH					
			SIZE CODE	NUMBER	REV.
			C/UA	M920-0-0	C
			DIST.		

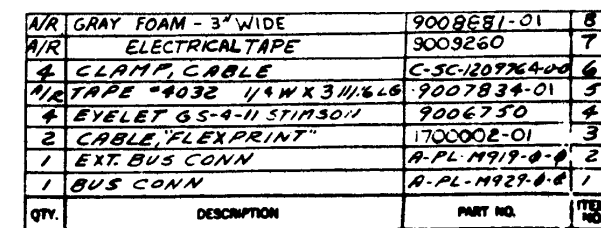
1. VARIATIONS AND LENGTHS SHOWN IN LEGEND ARE STANDARD. OTHER THAN STANDARD VARIATIONS WILL BE SPECIFIED BY ALPHANUMERIC DESIGNATION. FOR LENGTHS OTHER THAN FOOT INCREMENTS FROM ONE (1) FOOT THRU NINE (9) FEET, ELEVEN (11) INCHES.

$A = 1''$ $G = 7''$
 $B = 2''$ $H = 8''$
 $C = 3''$ $J = 9''$
 $D = 4''$ $K = 10''$
 $E = 5''$ $L = 11''$
 $F = 6''$

EXAMPLE: BC 11A - 3D = 3'4".
LENGTHS WILL BE IN FOOT INCREMENTS
FROM TEN (10) FEET ON, AND WILL BE
SPECIFIED BY THE CORRESPONDING
NUMERICAL DESIGNATION.
EXAMPLE: BC 11A - 11 = 11 FEET.
THE TOLERANCE ON DIMENSION "A" WILL
BE 2% OF THE FOOT INCREMENT.

2 FLEXPRINTS TO BE BOUND TOGETHER BY WRAPPING WITH ELECTRICAL TAPE (ITEM 7) EVERY 18 INCHES.

3. INSTALL 2 PIECES OF FOAM TAPE, ITEM 8) BETWEEN FLEX PRINT CABLES AS SHOWN.



DATE		PARTS LIST	
DATE	TIME	digital	EQUIPMENT CORPORATION WYOMING MASSACHUSETTS
CHIEF	DATE		
ENG.	DATE		
DATE	TIME	TITLE	
NEXT HIGHER ASSY		CABLE ASSY (BC11A)	
DUA-11/20-00		SIZE CODE	NUMBER
SCALE	1/1	DUA BC11A-0-0	
		RC. H	

MP-BC11A-00

REVISIONS		
CHK	CHANGE NO.	REV.
228	BC11A-00001	A
<i>W. Bullard 5-18-70</i> BLASI		
<i>C.R. Blasi 5-11-70</i> <i>W. Bullard</i>		
	BC11A-00002	B
<i>W. Bullard 5-10-71</i> BLASI		
<i>S.R. Blasi 5-11-71</i>		
229	BC11A-00003	C
<i>W. Bullard 5-1-72</i> BLASI		
<i>C.R. Blasi 5-1-72</i>		
230	BC11A-00004	D
<i>C. Blasi 5-1-73</i> D. POTTER		
231	BC11A-00005	E
<i>W. Bullard 9-18-74</i> D. POTTER		
<i>W. Bullard 11-7-74</i>		
232	BC11A-00006	F
<i>W. Bullard 11-7-75</i> C.R. BLASI		
<i>W. Bullard 11-7-75</i>		
233	BC11A-00007	H
<i>W. Bullard 11-2-78</i> D. VONADA		
<i>W. Bullard 11-2-78</i>		

FIRST USED ON OPTION/MODEL
PDP11

**DO NOT SCALE DRAWING
UNLESS OTHERWISE SPECIFIED**

MEASUREMENTS IN INCHES

TOLERANCES		
DECIMALS	FRACTIONS	ANGLES
$\pm .005$	$\pm 1/64$	$\pm 9^{\circ}30'$

FINAL SURFACE QUALITY ✓

REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL

—

FIGURE 1

DATE	DATE
3/14/67	3/14/67
TIME	TIME
10:00	10:00

NAME	J. Kuss	DATE	11/19/69
EMP		PAGE	1

 E. B. Lee	 M. B. Lee
---	---

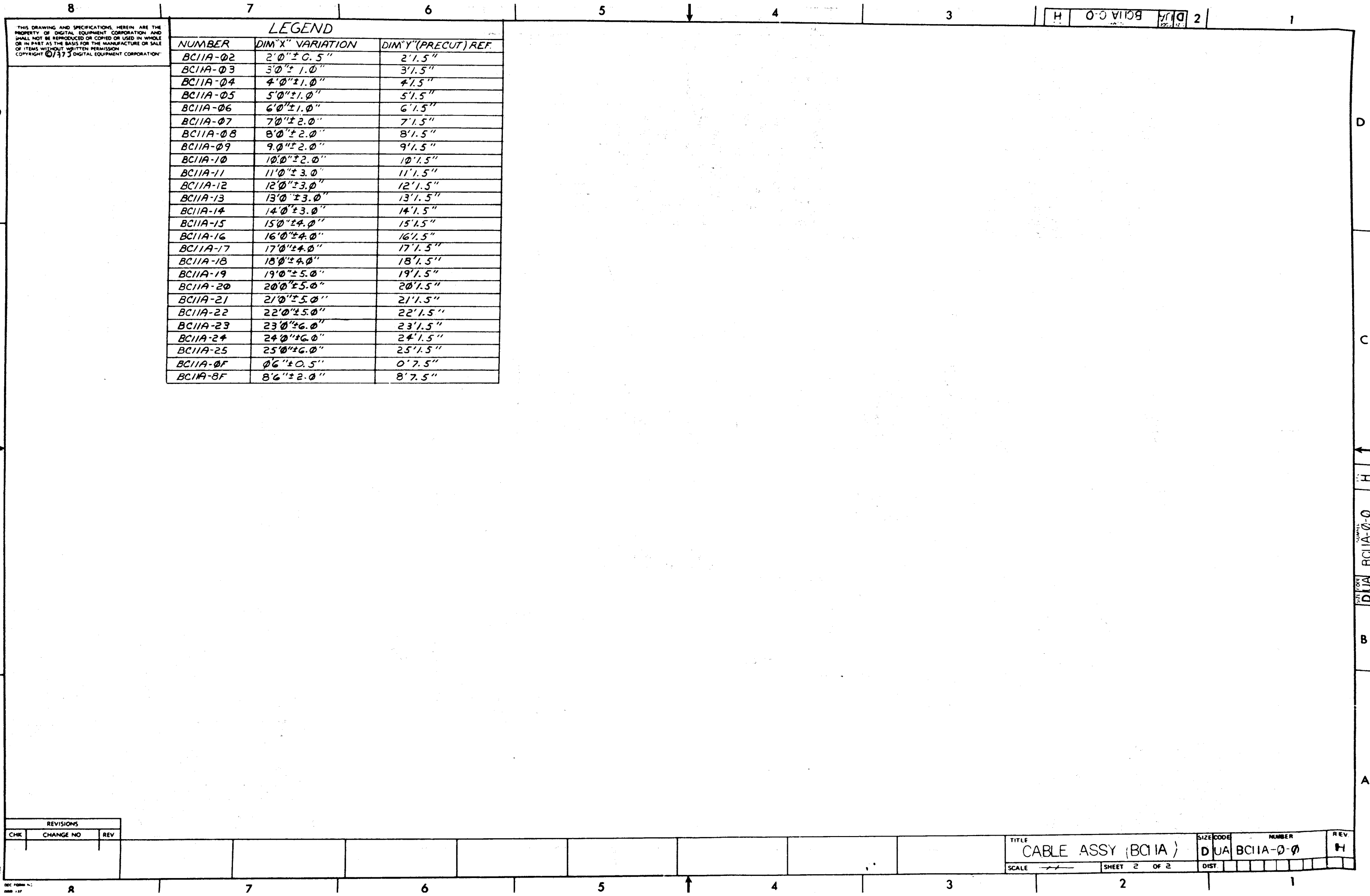
NAME	DATE
L. Bean	12/11/19

Richard 7/26/57

NEXT HIGHER ASSY

D-UA-11720-00

SCALE 1/1
SHEET 1 OF 2



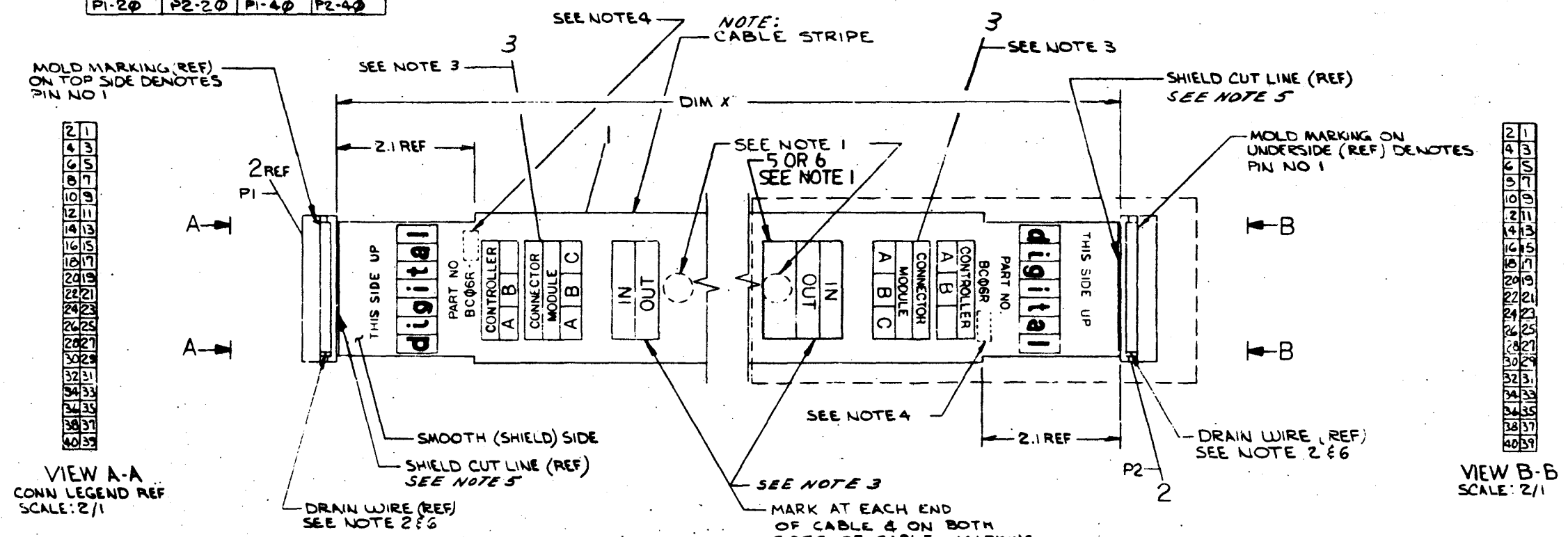
REVISIONS		
CHK	CHANGE NO	REV

TITLE CABLE ASSY (BC11A)		SIZE CODE DUA	NUMBER BC11A-0-0	REV H
SCALE 1"=10'		SHEET 2 OF 2		DIST.

WIRE TABLE			
FROM	TO	FROM	TO
P1-1	P2-1	P1-21	P2-21
P1-2	P2-2	P1-22	P2-22
P1-3	P2-3	P1-23	P2-23
P1-4	P2-4	P1-24	P2-24
P1-5	P2-5	P1-25	P2-25
P1-6	P2-6	P1-26	P2-26
P1-7	P2-7	P1-27	P2-27
P1-8	P2-8	P1-28	P2-28
P1-9	P2-9	P1-29	P2-29
P1-10	P2-10	P1-30	P2-30
P1-11	P2-11	P1-31	P2-31
P1-12	P2-12	P1-32	P2-32
P1-13	P2-13	P1-33	P2-33
P1-14	P2-14	P1-34	P2-34
P1-15	P2-15	P1-35	P2-35
P1-16	P2-16	P1-36	P2-36
P1-17	P2-17	P1-37	P2-37
P1-18	P2-18	P1-38	P2-38
P1-19	P2-19	P1-39	P2-39
P1-20	P2-20	P1-40	P2-40

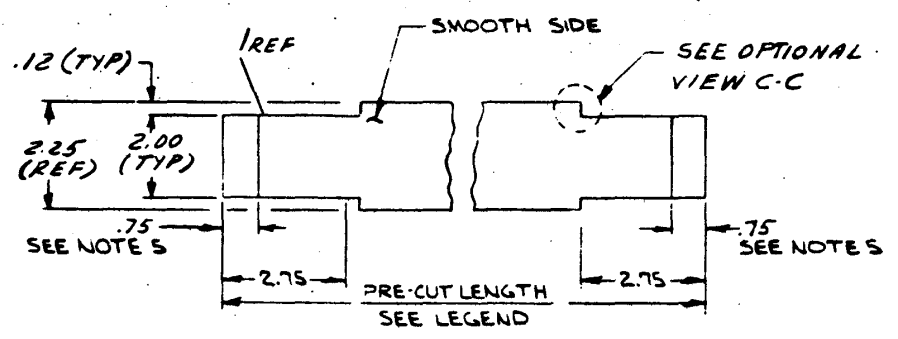
LEGEND			
NUMBER	DIM X	PRECUT LENGTH	REMARKS
BC06R-01	1 FT	1 FT 1.5 IN ± 1 IN	SEE PRE-CUT VIEW C-C
BC06R-02	2 FT	2 FT 1.5 IN ± 1 IN	
BC06R-03	3 FT	3 FT 1.5 IN ± 1 IN	
BC06R-04	4 FT	4 FT 1.5 IN ± 1 IN	
BC06R-05	4 FT 6 IN	4 FT 7.5 IN ± 1.5 IN	SEE NOTE 7
BC06R-06	6 FT	6 FT 1.5 IN ± 2 IN	
BC06R-08	8 FT	8 FT 1.5 IN ± 2 IN	
BC06R-10	10 FT	10 FT 1.5 IN ± 2 IN	
BC06R-12	12 FT	12 FT 1.5 IN ± 3 IN	
BC06R-20	20 FT	20 FT 1.5 IN ± 3 IN	
BC06R-25	25 FT	25 FT 1.5 IN ± 3 IN	
BC06R-30	30 FT	30 FT 1.5 IN ± 6 IN	
BC06R-50	50 FT	50 FT 1.5 IN ± 10 FT	
BC06R-60	60 FT	60 FT 1.5 IN ± 12 FT	
BC06R-75	75 FT	75 FT 1.5 IN ± 15 FT	
BC06R-A0	100 FT	100 FT 1.5 IN ± 2 FT	
BC06R-07	7 FT	7 FT 1.5 IN ± 2 IN	
BC06R-08	8 FT 6 IN	8 FT 7.5 IN ± 1 IN	SEE PRE-CUT VIEW C-C
BC06R-15	15 FT	15 FT 1.5 IN ± 3 IN	

- NOTES:**
1. LABEL (ITEMS 5 OR 6 CAN BE USED) TO CONTAIN:
PART NO.
REV.
DATE (OF BUILD)
MFG (STAMP) TEST (STAMP)
INSP (STAMP)
AFFIX LABEL AROUND CABLE IN APPROX CENTER.
 2. DRAIN WIRE CONNECTS TO PIN NO 40.
 3. RUBBER STAMP INFORMATION SHOWN USING INK (ITEM 3) & ARTWORK DEC NO A-DC-741699-0-0.
 4. STAMP APPLICABLE OPTION DASH NO. ACCORDING TO LENGTH.
 5. REMOVE SHIELD .75 FROM END OF PRECUT CABLE (SEE VIEW C-C).
 6. COVER EXPOSED DRAIN WIRE WITH ITEM 4 PRIOR TO ASSY (BOTH ENDS).
 - * 7. FOR RP04, RP05, RP06 USE WRAP AROUND VINYL LABEL. SEE VARIATIONS ON DRAWING NUMBER A-PS-3615389-0-0 ALSO SEE NEXT HIGHER ASSEMBLY E-IA-7009808-0-0 AND E-IA-7009808-0-0.

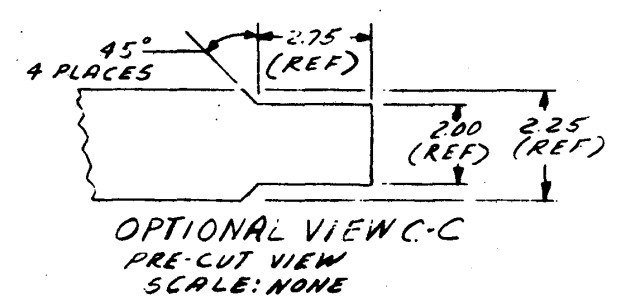


VIEW A-A
CONN LEGEND REF
SCALE: 2/1

VIEW B-B
SCALE: 2/1



VIEW C-C
PRE-CUT VIEW
SCALE: NONE



(CX ONLY) SEE NOTE 1
SEE NOTE 1

1	LABEL I.D.	3616989-0-0	6
1	LABEL I.D.	3616073-0-0	5
A/R	PLASTIC TAPE	3612511-0	4
A/R	INK	4901150	3
2	CONNECTOR, 40 SOCKET	1211206	2
A/R	CABLE, 40 COND FLAT W/SHIELD	17-00034	1

QTY	DESCRIPTION	PART NO	ITEM NO
1	BC06R I/O CABLE	BC06R-0-0	F

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DATE 2-22-73	DATE 2-22-73	DATE 2-22-73
DECIMALS	ANGLES	DATE 2-22-73	DATE 2-22-73
XXX - 005 XX - 02 X - 1	10° 30'	DATE 2-22-73	DATE 2-22-73
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	DATE 2-22-73	DATE 2-22-73	DATE 2-22-73
MATERIAL SEE PARTS LIST	NEXT HIGHER ASSY E-IA-7009807-0-0 E-IA-7009808-0-0	SIZE CODE DUA	NUMBER BC06R-0-0
FINISH ++	SCALE NONE	SHEET 1	OF 1

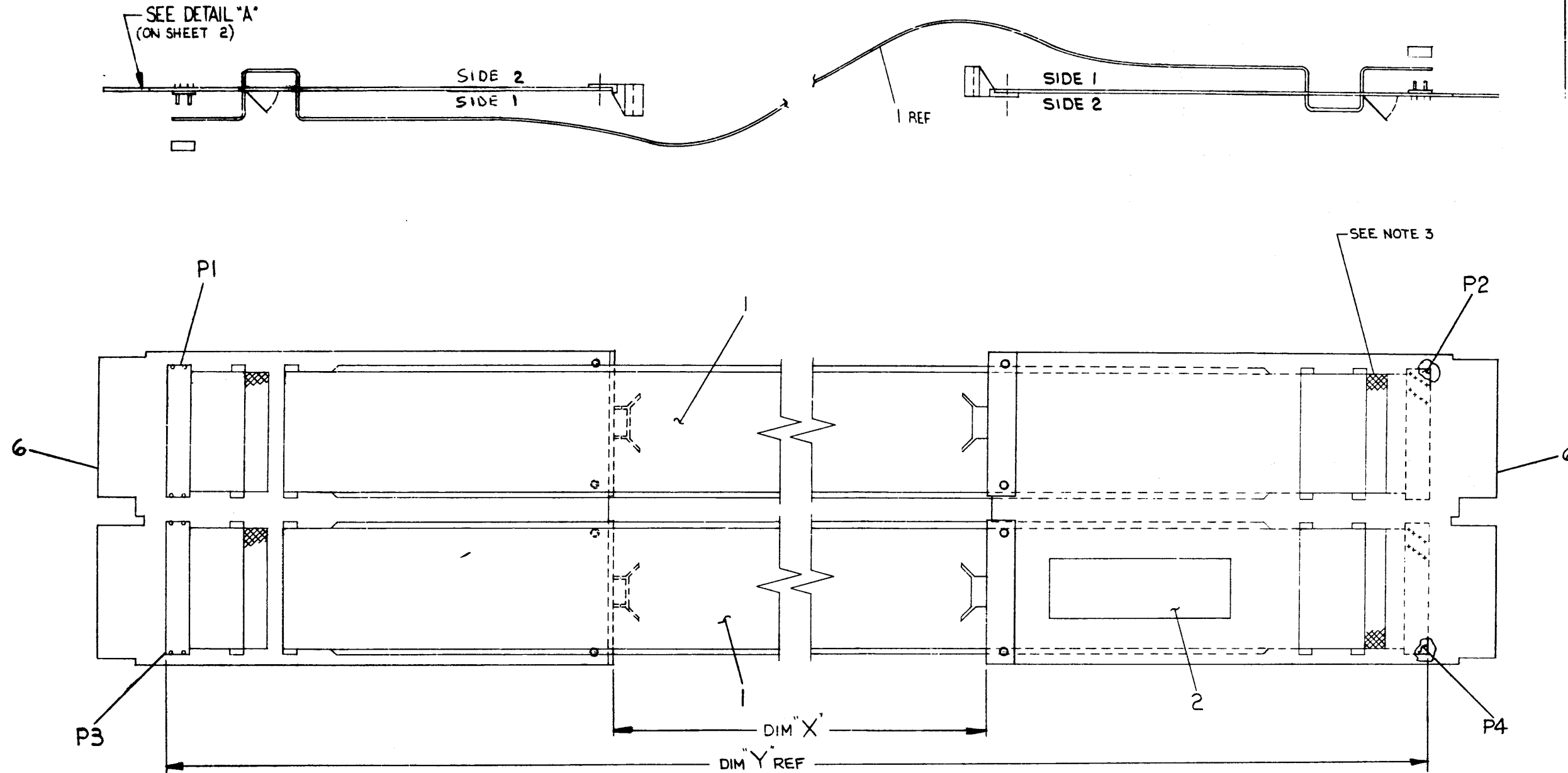
REV	CHANGE NO	DATE	BY	APP
1	1	2-22-73	W. DUNN	
2	2	2-22-73	W. DUNN	
3	3	2-22-73	W. DUNN	
4	4	2-22-73	W. DUNN	
5	5	2-22-73	W. DUNN	
6	6	2-22-73	W. DUNN	
7	7	2-22-73	W. DUNN	
8	8	2-22-73	W. DUNN	

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DO NOT SCALE DRAWING

NOTES:

1. TRIM & PREPARE CABLE PER DETAIL 'A' & PROCESS SPEC. # 7606485.
2. CONN. TO BE POINT TO POINT (P1 TO P2, P3 TO P4)
3. SHIELDS TO BE SOLDERED TO GROUND PLANES (4 PLACES)
4. TO INSTALL CABLE USE COVER OF CONN #1210073 (FROM SW. BOARD ASSY REF)



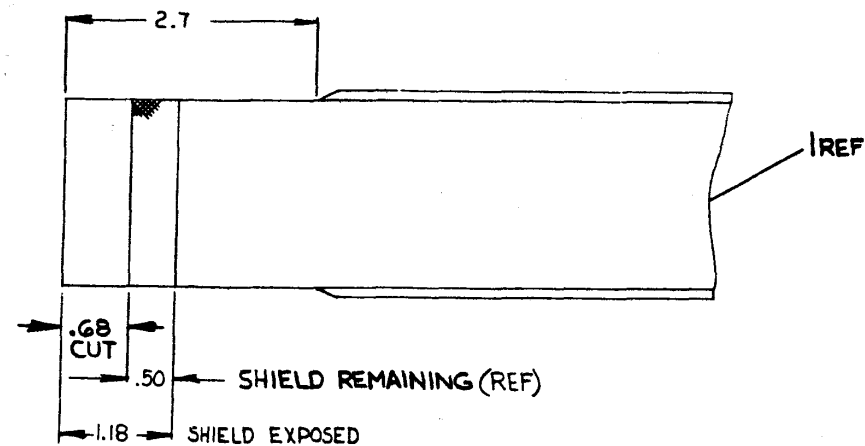
2	BOARD, 5 BUS CABLE	D-UR-M9006-0-0	6
2	CLAMP, CABLE	1209784	5
A/R	TAPE, DOUBLE SIDED .5 WD	9007834	4
4	EYELET,	9008750	3
1	LABEL, ADHESIVE BACK	9009255	2
A/R	CABLE, 40 CONDUCTOR	1700004-00	1
QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DRN. M. Guehl	DATE 10-8-74	digital	
CHKD. <i>[Signature]</i>	DATE 12-2-74		
ENG. <i>[Signature]</i>	DATE 1/13/75		
PROD. ENG. <i>[Signature]</i>	DATE 1/18/75		
PROD. <i>[Signature]</i>	DATE 1-11-74		
NEXT HIGHER ASSY.		TITLE CONN. ASSY., S BUS	
D-UA-KL10-0-0		SIZE CODE D I A	NUMBER BC20C-0-0
SCALE 1/1		REV. A	
SHEET 1 OF 2		DIST.	

REV.	CHANGE NO.	DATE	BY
A	1	10-8-74	17/1
B	1	1-11-74	17/1
C	1	1-11-74	17/1
D	1	1-11-74	17/1
E	1	1-11-74	17/1
F	1	1-11-74	17/1
G	1	1-11-74	17/1
H	1	1-11-74	17/1
I	1	1-11-74	17/1
J	1	1-11-74	17/1
K	1	1-11-74	17/1
L	1	1-11-74	17/1
M	1	1-11-74	17/1
N	1	1-11-74	17/1
O	1	1-11-74	17/1
P	1	1-11-74	17/1
Q	1	1-11-74	17/1
R	1	1-11-74	17/1
S	1	1-11-74	17/1
T	1	1-11-74	17/1
U	1	1-11-74	17/1
V	1	1-11-74	17/1
W	1	1-11-74	17/1
X	1	1-11-74	17/1
Y	1	1-11-74	17/1
Z	1	1-11-74	17/1

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LEGEND		
NUMBER	DIM X'	DIM Y' (PRECUT) REF
BC20C-3C	3 FT 3 IN	4 FT 6 IN
BC20C-6C	6 FT 3 IN	7 FT 6 IN
BC20C-0K	9 IN	2 FT 0 IN
BC20C-CI	15 IN	2 FT 6 IN

REMAINING SHIELD
(REF)



CABLE PREPARATION
TYP. BOTH ENDS
SEE NOTE 1

SOLDER SHIELDS
(REF)

DETAIL "A"

REF

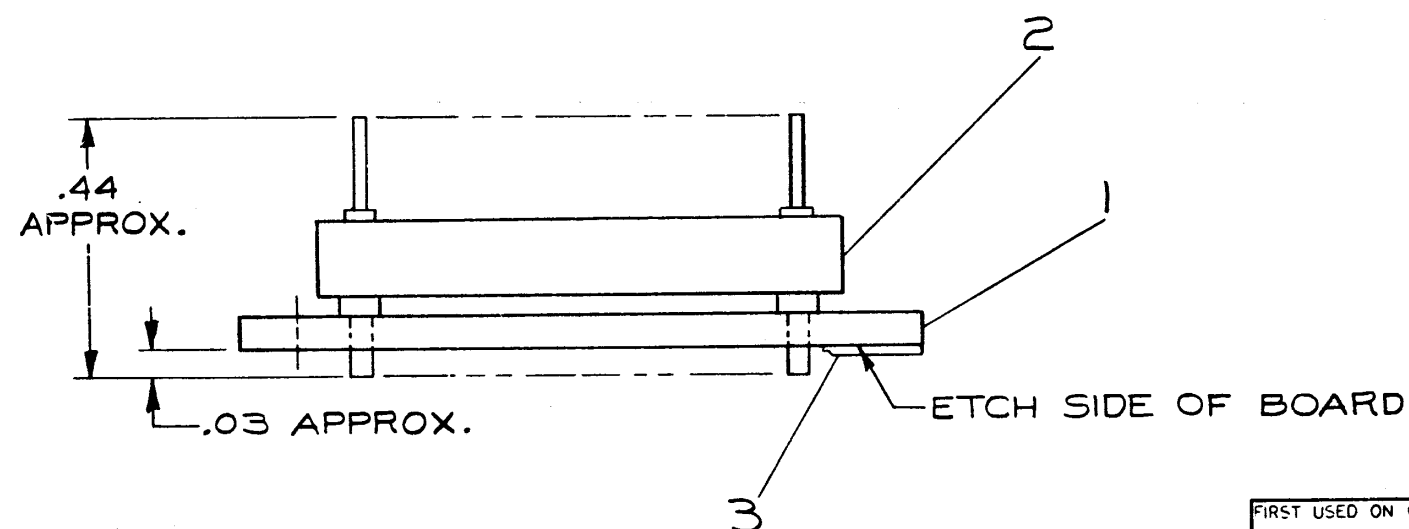
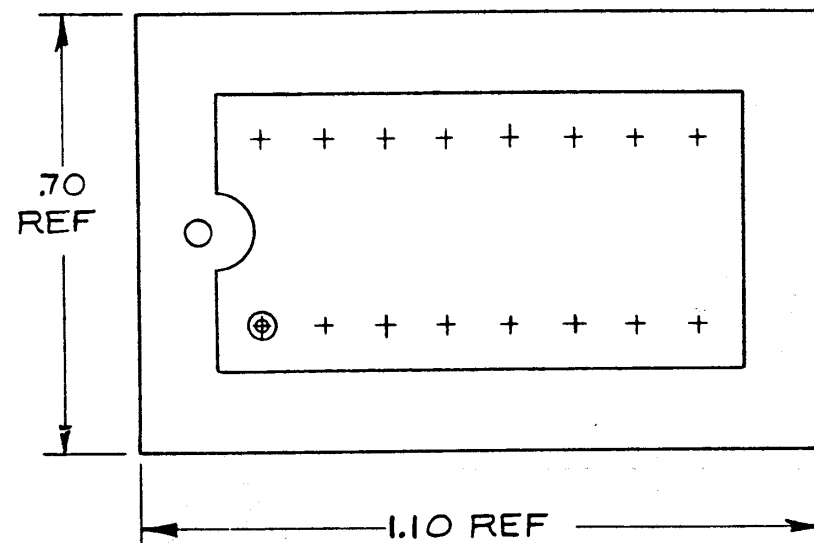
REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE	NUMBER	REV.
CONN. ASSY., S BUS		DIA	BC20C-0-0	A
SCALE	1/1	SHEET	2 OF 2	DIST.

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NOTES:

1. CUT OFF EXCESS LENGTH OF PRONGS BEFORE SOLDERING.



TOLERANCE
DECIMALS
XXX = $\pm .005$
XX = $\pm .02$
X = $\pm .1$

FIRST USED ON OPTION/MODEL
M78 ϕ

UNLESS OTHERWISE SPECIFIED
UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
DECIMALS FRACTIONS ANGLES
± .005 ± .005 ± 0°30'
FINAL SURFACE QUALITY
REMOVE BURRS AND BREAK SHARP
CORNERS

MATERIAL
SEE PARTS LISTS

FINISH
+ / +

REF	CIRCUIT SCHEMATIC	B-55-5408780-0-1	
YR	TAPE VINYL 3M TRANSPARENT .75 x 1.12	90C3269	3
1	PLUG, 16 PRONG, AUGAT	1209837	2
1	ETCH BOARD	D-1A-5008779-0-0	1

QTY.	DESCRIPTION	PART NO.	ITEM NO.
------	-------------	----------	----------

PARTS LIST			
DRN. W.F. McCarthy	DATE 5/13/70	EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
CHK'D. J. Fleming	DATE 5-27-70		
ENG. C.B. Lee	DATE 6/24/70		
PROD. ENG. J. E. Johnson	DATE 6-28-70		
PROD. MacDonald	DATE 6/29/70		
NEXT HIGHER ASSY M78 ϕ		TITLE PRIORITY JUMPER LEVEL #6	
SCALE 5/1		SIZE/CODE CIA5408780-0-0	
SHEET 1 OF 1		REV. DIST. G	

REV.
NUMBER
CIA5408780-0-0

B

A

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WIRE TABLE

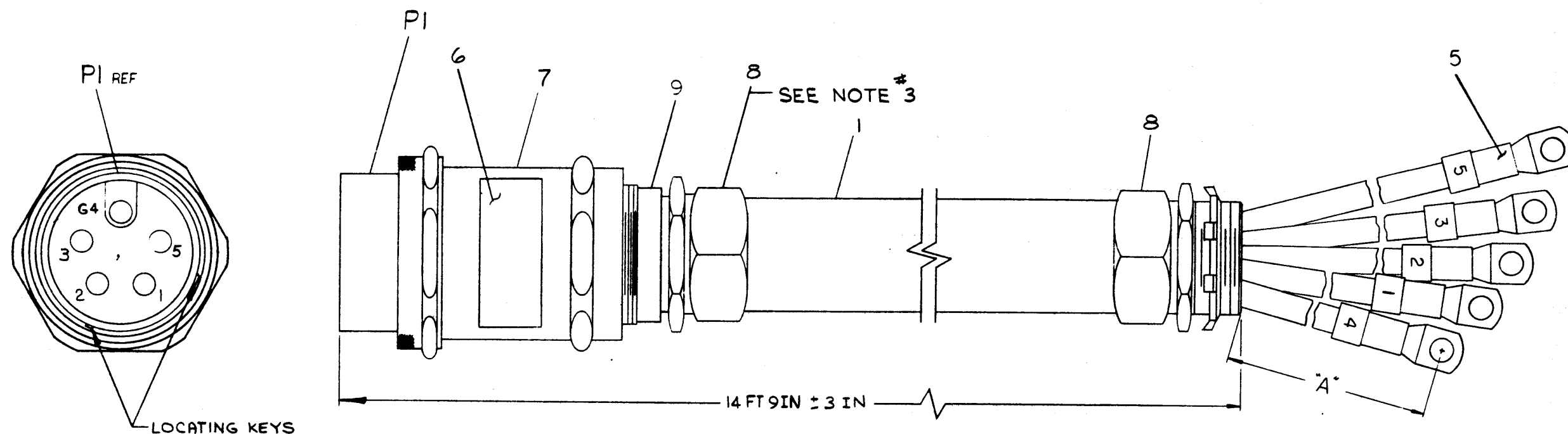
ITEM NO.	DESCRIPTION		FROM			TO			LENGTHS DIM "A"
			POINT	CONNECTION	TERM	POINT	CONNECTION	TERM	
3	2	BLK	—	PI-1	—	1	—	ITEM #5	6.25IN±.5IN
3	2	BLK	—	PI-2	—	2	—	ITEM #5	7.25IN±.5IN
3	2	BLK	—	PI-3	—	3	—	ITEM #5	8.25IN±.5IN
2	2	GRN	—	PI-G4	—	4	—	ITEM #5	5.25IN±.5IN
4	2	WHT	—	PI-5 (NEUT)	—	5	—	ITEM #5	9.25IN±.5IN

LEGEND

NUMBER	VARIATION
7012210-0	60 HZ

NOTES:

- LUGS (ITEM #5) TO BE LABELED WITH BRADY MARKERS.
- ITEM #7 PLUG ASSEMBLY MATES WITH RECEPTACLE ASSY #1212020 (FOR REF ONLY)
- REMOVE LOCKING NUT FROM THIS END ONLY, BEFORE ASSEMBLING.
- TIN 5 PI LEAD ENDS APPROXIMATELY .25 INCH BEFORE ASSEMBLY INTO PI CONNECTOR. SCREW TORQUE TO BE APPROXIMATELY 60 INCH-LBS.



1	BUSHING, REDUCING	1212028	9
2	CONNECTOR	1212029	8
1	PLUG, ASSY. 60 HZ	1212021-00	7
1	LABEL, ADHESIVE BACKED	9009255	6
5	LUG, TERMINAL	1211513-01	5
A/R	WIRE #2 AWG INS WHT	9107764-99	4
A/R	WIRE #2 AWG INS BLK	9107764-00	3
A/R	WIRE #2 AWG INS GRN	9107764-55	2
A/R	CONDUIT, FLEXIBLE	1212023	1

QUANTITY / VARIATION		QTY.	DESCRIPTION	PART NO.	ITEM NO.
FIRST USED ON OPTION/MODEL					
KLIQ-C					
DIMENSIONAL TOLERANCE		PARTS LIST			
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED		digital			
THIRD ANGLE PROJECTION		TITLE			
MATERIAL SEE PARTS LIST		POWER CORD ASSY (60 HZ)			
FINISH		DIA 7012210-0-0			

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WIRE TABLE

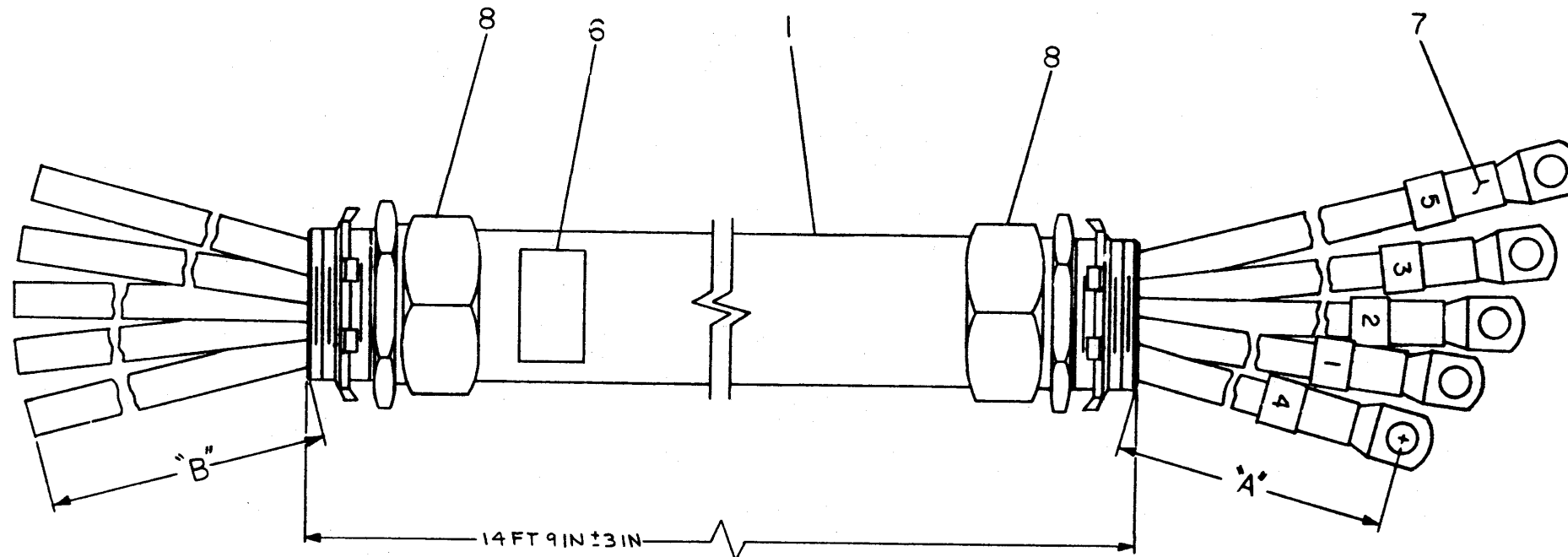
ITEM NO.	AWG	COLOR	FROM			TO			LENGTHS DIM "A"	LENGTHS DIM "B"
			POINT	CONNECTION	TERM	POINT	CONNECTION	TERM		
3	2	BLK	—	—	—	1	—	ITEM #7	6.25 IN ± .5 IN	10 IN ± 1 IN
3	2	BLK	—	—	—	2	—	ITEM #7	7.25 IN ± .5 IN	10 IN ± 1 IN
4	2	BRN	—	—	—	3	—	ITEM #7	8.25 IN ± .5 IN	10 IN ± 1 IN
2	2	GRN/YEL	—	—	—	4	—	ITEM #7	5.25 IN ± .5 IN	10 IN ± 1 IN
5	2	BLU	—	—	—	5	—	ITEM #7	9.25 IN ± .5 IN	10 IN ± 1 IN

LEGEND

NUMBER	VARIATIONS
7012275-0	50 HZ

NOTES:

- LUGS (ITEM #7) TO BE LABELED WITH BRADY MARKERS.



2	CONNECTOR	1212029	8
5	LUG, TERMINAL	1211513-01	7
1	LABEL, ADHESIVE BACKED	9009255	6
AR	WIRE #2 AWG INS BLU	9107764-66	5
AR	WIRE #2 AWG INS BRN	9107764-11	4
AR	WIRE #2 AWG INS BLK	9107764-00	3
AR	WIRE #2 AWG INS GRN/YEL	9107781-54	2
AR	CONDUIT, FLEXIBLE	1212023	1

DESCRIPTION	DWG./PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
ANGLES 30° 90°	CLASS OF ACCURACY	TOLERANCE RANGE INCHES
SURFACE QUALITY IN	CHECK ONE	0.001 0.002 0.003 0.004 0.005 0.006 0.007 0.008 0.009 0.010 0.012 0.015 0.020 0.025 0.030 0.036 0.045 0.055 0.063 0.075 0.090 0.106 0.125 0.150 0.180 0.216 0.250 0.280 0.315 0.360 0.400 0.450 0.500 0.560 0.630 0.700 0.750 0.800 0.900 1.000 1.125 1.250 1.400 1.600 1.800 2.000 2.240 2.500 2.800 3.150 3.600 4.000 4.500 5.000 5.600 6.300 7.000 8.000 9.000 10.000 11.250 12.500 14.000 16.000 18.000 20.000 22.400 25.000 28.000 31.500 36.000 40.000 45.000 50.000 56.000 63.000 70.000 80.000 90.000 100.000
QUANTITY & VARIATION	PREFERRED	0.001 0.002 0.003 0.004 0.005 0.006 0.007 0.008 0.009 0.010 0.012 0.015 0.020 0.025 0.030 0.036 0.045 0.055 0.063 0.075 0.090 0.106 0.125 0.150 0.180 0.216 0.250 0.280 0.315 0.360 0.400 0.450 0.500 0.560 0.630 0.700 0.800 0.900 1.000 1.125 1.250 1.400 1.600 1.800 2.000 2.240 2.500 2.800 3.150 3.600 4.000 4.500 5.000 5.600 6.300 7.000 8.000 9.000 10.000 11.250 12.500 14.000 16.000 18.000 20.000 22.400 25.000 28.000 31.500 36.000 40.000 45.000 50.000 56.000 63.000 70.000 80.000 90.000 100.000

THIRD ANGLE PROJECTION	DRN. J. C. [Signature]	DATE 7/5	FIRST USED ON	KL10-C
REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D [Signature]	DATE 7/5	TITLE	POWER CORD ASSY (50 HZ)
DO NOT SCALE DWG	ENG. [Signature]	DATE 7/5	SIZE	DIA 7012275-0-0
MATERIAL SEE PARTS LIST	PROD. [Signature]	DATE 7/5	REV.	A
FINISH —H—	NEXT HIGHER ASSY.	SCALE 1/1	SHEET 1 OF 1	DIST.

REV.	CHG.	NO.	DATE	BY
1	1	7012275-00001	A	R. MELANSON
2	1	7012275-00001	A	R. MELANSON
3	1	7012275-00001	A	R. MELANSON
4	1	7012275-00001	A	R. MELANSON
5	1	7012275-00001	A	R. MELANSON
6	1	7012275-00001	A	R. MELANSON
7	1	7012275-00001	A	R. MELANSON
8	1	7012275-00001	A	R. MELANSON

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			QUANTITY / VARIATION							
PARTS LIST			KL10-EA	KL10-EB	KL10-EC	KL10-ED	KL10-EE	KL10-EF	KL10-EH	KL10-EJ
MADE BY <i>Ed Handen</i>	CHECKED <i>Ed Handen</i>	SECTION 1								
DATE <i>12 APR 77</i>	DATE <i>12 APR 77</i>	ISSUED SECT. 1								
ENG <i>J. M. Kelly</i>	PROD <i>Matthew Nolan</i>									
DATE <i>12 APR 77</i>	DATE <i>12 APR 77</i>									
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	KL10-EA	KL10-EB	KL10-EC	KL10-ED	KL10-EE	KL10-EF	KL10-EH	KL10-EJ
23	DRYCB	KL10 E-BOX ISOLATION ROUTINE #1	1	1						
24	DRYCC	KL10 E-BOX ISOLATION ROUTINE #2	1	1						
25	DRYCA	KL10 M-BOX MEMORY PAGING CUSP	1	1						
26	DRYCB	KL10 M-BOX CLOCK SCANOUT CUSP	1	1						
27	DRYDC	KL10 M-BOX ISOLATION ROUTINE CUSP	1	1						
28	DRYDD	KL10 PAGING CLOCK SCANOUT CUSP	1	1						
29	DRYDE	KL10 MEMORY ISOLATION ROUTINE CUSP	1	1						
30	DRYEA	KL10 CACHE CHANNEL METER BOARD CUSP	1	1						
31	DRYEB	KL10 MCA20 CLOCK SCANOUT CUSP #1	1	1						
32	DRYEC	KL10 MCA20 CLOCK SCANOUT CUSP #2	1	1						
33	DRYED	KL10 CHANNEL CLOCK SCANOUT CUSP #1	1	1						
34	DRYEE	KL10 CHANNEL CLOCK SCANOUT CUSP #2	1	1						
35	DRYEF	KL10 METER BOARD ISOLATION ROUTINE CUSP	1	1						
36	DRYGG	KL10 BASIC INSTRUCTION CUSP #1	1	1						
37	DRYGH	KL10 BASIC INSTRUCTION CUSP #2	1	1						
38	DRYHI	KL10 BASIC INSTRUCTION CUSP #3	1	1						
39	DRYHJ	KL10 BASIC INSTRUCTION CUSP #4	1	1						
40	DRYHK	KL10 BASIC INSTRUCTION RELIABILITY CUSP	1	1						
41	DRYHL	KL10 ADVANCED INSTRUCTION CUSP	1	1						
42	DRYHM	KL10 CPU/BI MEMORY RELIABILITY CUSP	1	1						
43	DRYHN	KL10 CPU PAGING/MONITOR UUG & USER MODE CUSP	1	1						
TITLE SHIP LIST KL10-E			ASSY NO. <i>H</i>	SIZE CODE <i>A PL</i>	NUMBER KL10-E-SH	REV <i>H</i>	ECO NO.			
SHEET 2 OF 4										

DEC FORM DEC 16-4325-1031-N870
DRA 110

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			QUANTITY / VARIATION							
PARTS LIST			KL10-EA	KL10-EB	KL10-EC	KL10-ED	KL10-EE	KL10-EF	KL10-EH	KL10-EJ
MADE BY <i>Ed Handen</i>	CHECKED <i>Ed Handen</i>	SECTION 1								
DATE <i>12 APR 77</i>	DATE <i>12 APR 77</i>	ISSUED SECT. 1								
ENG <i>J. M. Kelly</i>	PROD <i>Matthew Nolan</i>									
DATE <i>12 APR 77</i>	DATE <i>12 APR 77</i>									
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	KL10-EA	KL10-EB	KL10-EC	KL10-ED	KL10-EE	KL10-EF	KL10-EH	KL10-EJ
1	MP00300	KL10-E PRINT SET	1	1	1	1	1	1	1	1
2	MP00301	KL10-PV PRINT SET	1	1	1	1	1	1	1	1
3	MP00179	MB20 PRINT SET	1	1	1	1	1	1	1	1
4	B-DD-11/40-0	11/40 PRINT SET	1	1	1	1	1	1	1	1
5	EKR01-MM	RX01/RH11 PRINT SET AND MANUALS	1	1	1	1	1	1	1	1
6	B-DD-RH11-0	RH11 PRINT SET	1	1	1	1	1	1	1	1
7	B-DD-DD11-8	DD11-A PRINT SET	1	1	1	1	1	1	1	1
8	MP00008	DC20 PRINT SET	1	1	1	1	1	1	1	1
9	MP00007	LP20 PRINT SET	1	1	1	1	1	1	1	1
10	MP00006	CD20 PRINT SET	1	1	1	1	1	1	1	1
11	ER00001	CR04/M200 PRINT SET & MANUALS	1	1	1	1	1	1	1	1
12	ER00002	CR04/M1200 PRINT SET & MANUALS	1	1	1	1	1	1	1	1
13	DRYLB	KL10 3040 CPU DIAG CUSP MAGTAPE	1	1	1	1	1	1	1	1
14	MD-10-DJYAA--YB	2040 FRONT END CPU CUSP #1	1	1	1	1	1	1	1	1
15	MD-10-DJYAB--YB	2040 FRONT END CPU CUSP #2	1	1	1	1	1	1	1	1
16	MD-10-DJYAC--YB	2040 FRONT END DISK CONTROL CUSP #1	1	1	1	1	1	1	1	1
17	MD-10-DJYAD--YB	2040 FRONT END DISK CONTROL CUSP #2	1	1	1	1	1	1	1	1
18	MD-10-DJYBA--YB	2040 FRONT END DEC X/11 EXERCISOR CUSP	1	1	1	1	1	1	1	1
19	MD-10-DGYAA--YB	KL10 CONSOLE MONITOR CUSP	1	1	1	1	1	1	1	1
20	MD-10-DGYBA--YB	KL10 SYSTEM CUSP DISKETTE #1	1	1	1	1	1	1	1	1
21	MD-10-DGYBB--YB	KL10 SYSTEM CUSP DISKETTE #2	1	1	1	1	1	1	1	1
22	MD-10-BRYCA--YB	KL0 DTE20 & E-BOX CUSP DISKETTE	1	1	1	1	1	1	1	1
TITLE SHIP LIST KL10-E			ASSY NO. <i>H</i>	SIZE CODE <i>A PL</i>	NUMBER KL10-E-SH	REV <i>H</i>	ECO NO. <i>MR021</i>			
SHEET 1 OF 4										

DEC FORM DEC 16-4325-1031-N870

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			QUANTITY / VARIATION							
PARTS LIST			KL10-EA	KL10-EB	KL10-EC	KL10-ED	KL10-EE	KL10-EF	KL10-EH	KL10-EJ
MADE BY <i>Ed Handen</i>	CHECKED <i>Ed Handen</i>	SECTION 1								
DATE <i>12 APR 77</i>	DATE <i>12 APR 77</i>	ISSUED SECT. 1								
ENG <i>J. M. Kelly</i>	PROD <i>Matthew Nolan</i>									
DATE <i>12 APR 77</i>	DATE <i>12 APR 77</i>									
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	KL10-EA	KL10-EB	KL10-EC	KL10-ED	KL10-EE	KL10-EF	KL10-EH	KL10-EJ
66	ER00004 ***	LP05 PRINT SET & MANUALS (VOL 2)	1	1						
67	ER00003 ***	LP05 PRINT SET & MANUALS (VOL 1)	1	1						
68	A-PL-KL10-E-KIT	HARDWARE KIT	1	1						
69	2T101-PR	KLAD 24 DIAGNOSTIC KIT (RP04)	A/RA/R	-	-	A/RA/R	-	-	-	-
70	2T102-PL	KLAD 24 DIAGNOSTIC KIT (RP06)	A/RA/R	-	-	A/RA/R	-	-	-	-
71	2T101-PL	KLAD 10 DIAGNOSTIC KIT (RP04)	-	-	A/RA/R	-	-	A/RA/R	-	-
72	2T102-PL	KLAD 10 DIAGNOSTIC KIT (RP06)	-	-	A/RA/R	-	-	A/RA/R	-	-
73	MP00622	MF20 PRINT SET	-	-	-	1	1	1	1	1
74	AJ-D084*-YD	10 DIAGNOSTIC KLAD PACK (RP04)	-	-	A/RA/R	-	-	A/RA/R	-	-
75	AJ-D085*-YD	20 DIAGNOSTIC KLAD PACK (RP04)	A/RA/R	-	-	A/RA/R	-	-	-	-
76	AW-D086*-YD	10 DIAGNOSTIC KLAD PACK (RP06)	-	-	A/RA/R	-	-	A/RA/R	-	-
77	AW-D087*-YD	20 DIAGNOSTIC KLAD PACK (RP06)	A/RA/R	-	-	A/RA/R	-	-	-	-
78	EK-OKL10-MP-001	KL10 CLOCK DIAGRAMS	1	1	1	1	1	1	1	1
79	LA120-DA	LA120-BA W/H7150 UNIVERSAL POWER SUPPLY	1	1	1	1	1	1	1	1
80	LA12X-AL	LA120 20 MA OPTION	1	1	1	1	1	1	1	1
81	MP00629	RX02 PRINT SET	1	1	1	1	1	1	1	1
82	MP0RXII	RXII PRINT SET	1	1	1	1	1	1	1	1
***REVISION LEVEL AS PER LCREV										
***OPTIONAL										
***TWO PER DC20 USED										
TITLE SHIP LIST KL10-E			ASSY NO. <i>H</i>	SIZE CODE <i>A PL</i>	NUMBER KL10-E-SH	REV <i>H</i>	ECO NO.			
SHEET 4 OF 4										

DEC FORM DEC 16-4325-1031-N870
DRA 110

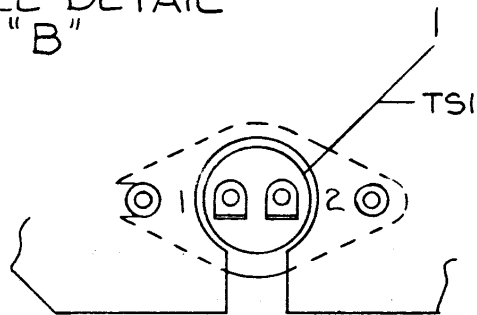
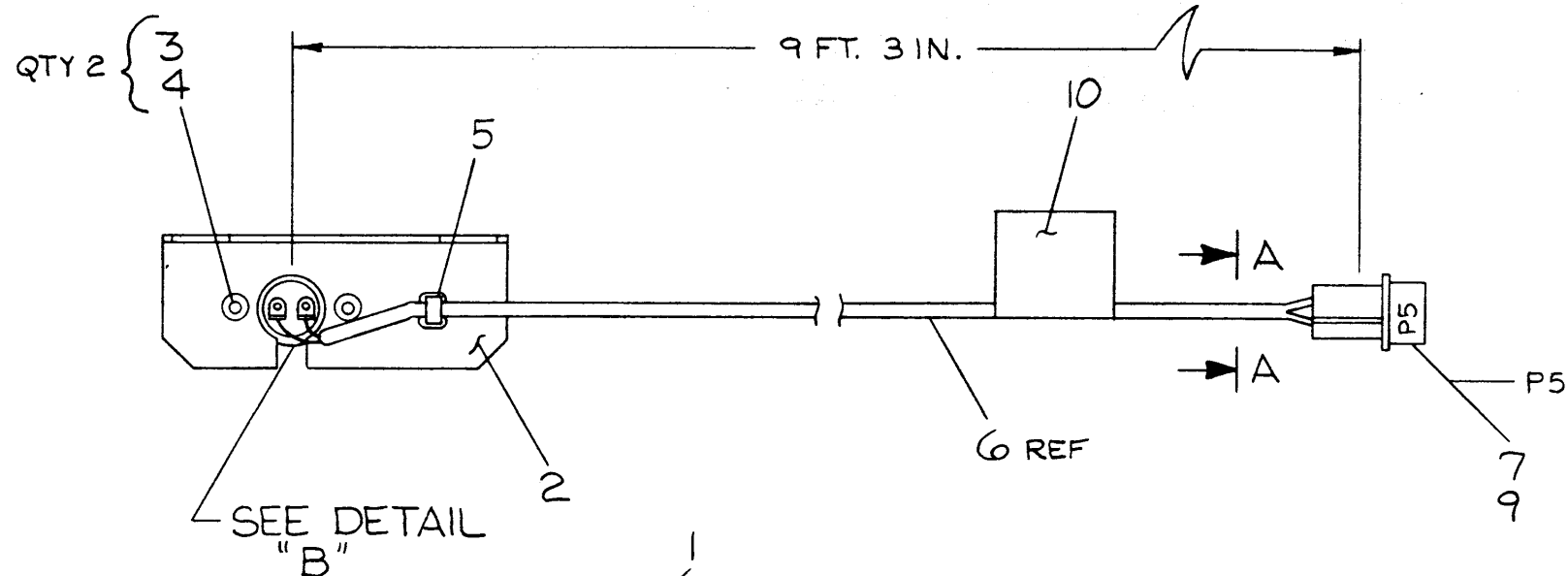
DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			QUANTITY / VARIATION							
PARTS LIST			KL10-EA	KL10-EB	KL10-EC	KL10-ED	KL10-EE	KL10-EF	KL10-EH	KL10-EJ
MADE BY <i>Ed Handen</i>	CHECKED <i>Ed Handen</i>	SECTION 1								
DATE <i>12 APR 77</i>	DATE <i>12 APR 77</i>	ISSUED SECT. 1								
ENG <i>J. M. Kelly</i>	PROD <i>Matthew Nolan</i>									
DATE <i>12 APR 77</i>	DATE <i>12 APR 77</i>									
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	KL10-EA	KL10-EB	KL10-EC	KL10-ED	KL10-EE	KL10-EF	KL10-EH	KL10-EJ
44	DRYKG	KL10 INSTRUCTION TIMING & I/O BUS CUSP	1	1						
45	MD-10-DHYK*-YB	KL10 FUNCTIONAL DTE20 INTERFACE CUSP	1	1	1	1	1	1	1	1
46	DRYKA	PDP-10 MEMORY DIAGNOSTIC CUSP	1	1						
47	DRYKB	KL10 BASIC DEVICE DIAGNOSTIC CUSP	1	1						
48	DRYKB	KL10 BASIC DEVICE DIAGNOSTIC CUSP	1	1						
49	DRYKA	KL10 PERIPHERAL DIAGNOSTIC CUSP	1	1						
50	DRYKB	KL10 PERIPHERAL DIAGNOSTIC CUSP	1	1						
51	DRYED	KL10 FAULT ISOLATOR CUSP	1	1						
52	DRYEC	PDP-10 MASSBUS ROTATING MEMORY	1	1						
53	DRYCC	KL10 2040 SYSTEM EXERCISOR CUSP	1	1						
54	3012558-1	MICROFICHE READER	1	-	1	-	1	-	1	-
55	3012558-2	MICROFICHE READER	-	1	-	1	-	1	-	1
56	MP00056	RH20 PRINT SET	1	1	1	1	1	1	1	1
57	3612408	FLOPPY DISK	2	2	2	2	2	2	2	2
58	H315-A	TESTER H315-A	2	2	2	2	2	2	2	2
59	H861	TEST CONNECTOR DM11-B	1	1	1	1	1	1	1	1
60	H8611	CONN DATA TURN AROUND	2	2	2	2	2	2	2	2
61	LA36-CB	TELETYPE LA36-CB (1150, 60HZ)	1	-	1	-	1	-	1	-
62	LA36-CF	TELETYPE LA36-CF (220V, 60HZ)	1	-	1	-	1	-	1	-
63	LA36-CH	TELETYPE LA36-CH (115V, 50HZ)	1	-	1	-	1	-	1	-
64	LA36-CJ	TELETYPE LA36-CJ (220V, 50HZ)	1	-	1	-	1	-	1	-
65	B-DD-BM873-YA	BM873-YA PRINT SET	1	1	1	1	1	1	1	1
TITLE SHIP LIST KL10-E			ASSY NO. <i>H</i>	SIZE CODE <i>A PL</i>	NUMBER KL10-E-SH	REV <i>H</i>	ECO NO.			
SHEET 3 OF 4										

DEC FORM DEC 16-4325-1031-N870

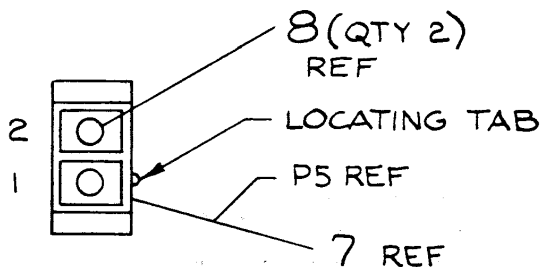
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WIRE TABLE

ITEM NO	DESCRIPTION		FROM		TO	
	AWG	COLOR	CONN	WITH	CONN	WITH
6	22	YEL	TSI-1	SOLDER	P5-2	ITEM 8
		BLK	TSI-2	SOLDER	P5-1	ITEM 8



DETAIL "B"
SCALE: NONE



VIEW A-A
PIN INSERTION SIDE
SCALE: NONE

CAUTION: OFF SHEET PARTS LIST EXITS
SEE K-PL-7017572-0-DBP

REV. A
NUMBER 7017572-0-0
SIZE CODE CIA

DESCRIPTION		DWG./PART NO.	ITEM NO.					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES								
ANGLES ±0° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES						
SURFACE QUALITY IN MICROINCHES	MEDIUM PREFERRED	OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0	OVER 40.0 TO 80.0	
		±.004	±.008	±.012	±.016	±.024	±.04	
QUANTITY & VARIATION		±.012	±.016	±.025	±.04	±.063	±.1	
THIRD ANGLE PROJECTION		DRN <i>Jim Richard</i> 28 APR 80		FIRST USED ON				
REMOVE BURRS AND BREAK SHARP CORNERS		CHK'D <i>J.M. HUSON</i> 2 MAY 80		KL10-E				
DO NOT SCALE DWG		ENG. <i>P.S. Porecca</i> 2 Jun 80		TITLE				
MATERIAL SEE PARTS LIST		PROJ. ENG. <i>P. Porecca</i> 2 Jun 80		ASSY, THERMAL SWITCH				
FINISH		PROD. <i>Shirley J. Taylor</i> 7 Jun 80		NEXT HIGHER ASSY.				
		D-UA-KL10-E-0		SIZE	CODE	NUMBER	REV.	
		SCALE 1/1		C	IA	7017572-0-0	A	
		SHEET 1 OF 1		DIST.				

MR

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY	PER VARIATION
					00	
1	1		1214582-00	THERMOSTAT, SPST, HERMETIC SEAL	1	
2	2	C-1A-7423855-0-0	7423855-00	BRACKET, THERMAL SWITCH	1	
3	3		9008301-01	SCREW, PAN, PHIL 4-40X 1/4 SS	2	
4	4		9006632-00	WASHER, LOCK, INT., 2600D X .120ID	2	
5	5		9007031-00	TIE, CABLE BUNDL, DIA 0- 3/4"=101	1	
6	6		9107420-04	WIRE, STRND, 22AWG, IPVC (UL1429) T	A/R	
7	7		1210822-02	MATE=N-LOK 2POS COMM HSG, PIN	1	
8	8		1209378-03	MATE=N-LOK PIN COMM 30-22AWG STR	2	
9	9	A-DC-7409872-0-0	7409872-02	DECAL PWR HARNESS [BLK/CLR]	1	
10	10		3616073-00	LABEL, CABLE IDENTIFICATION	1	

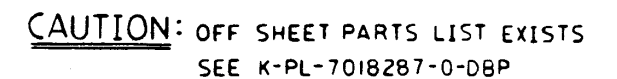
REVISION HISTORY			BASIC PART NO: 7017572			DRN: JIM SICARD			DATE: 24-OCT-80			D I G I T A L									
ENG	ECO NUMBER	REV	SECTION A OF A			CHK'D: J. HUSON			DATE: 2-MAY-80			TITLE PARTS LIST									
---	INITIAL	A	SECTION, VARIATION INDEX			[A] 00			DES,ENG,: P. PORRECA <td colspan="3">DATE: 2-JUN-80<td colspan="7">ASSY,THERMAL SWITCH</td></td>			DATE: 2-JUN-80 <td colspan="7">ASSY,THERMAL SWITCH</td>			ASSY,THERMAL SWITCH						
			[B]			[C]			RESP,ENG,: P. PORRECA <td colspan="3">DATE: 2-JUN-80<td colspan="7">DOCUMENT NUMBER</td></td>			DATE: 2-JUN-80 <td colspan="7">DOCUMENT NUMBER</td>			DOCUMENT NUMBER						
			[D]			[E]			MFG,ENG,: J. MCCAFFERY <td colspan="3">DATE: 7-NOV-80<td>K</td><td>PL</td><td colspan="4">7017572-0-DBP</td><td>A</td></td>			DATE: 7-NOV-80 <td>K</td> <td>PL</td> <td colspan="4">7017572-0-DBP</td> <td>A</td>			K	PL	7017572-0-DBP				A
			[F]			ASSEMBLY NUMBER:			TOP DOCUMENT NUMBER:			FILE NAME:			EDIT #						
						C-1A-7017572-0-0			B-DD-KL10-E			21697A,PLS			3						

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2	SIZE CODE	DAD	7018287-0-0	NUMBER	B	REV.
---	-----------	-----	-------------	--------	---	------

1. PEEL OFF STRIPS 3 & 4 OF LABEL (ITEM #4) AND LOCATE AS SHOWN ON FRONT PLATE (ITEM #2)
2. INSTALL HARNESS CONNECTORS P1 THRU P8 AS SHOWN. TO TOP ROW OF VOLTAGE MONITOR BOARD (ITEM #19). INSTALL HARNESS CONNECTORS P9 THRU P16 AS SHOWN, TO BOTTOM ROW OF VOLTAGE MONITOR BOARD (ITEM #19).
3. ITEM #8, 12, 13, 14, 15, 17 & (QTY 1) ARE SHIPPED LOOSE PIECE AND USED FOR INSTALLATION. FOR INSTALLATION PROCEDURE SEE A-SP-7018287-0-1. SEE ITEM #11 FOR PACKAGING KIT.
4. GROUND DECAL (ITEM #8) IS USED BOTH AT ASSEMBLY AND AT INSTALLATION. ONE IS TO BE SHIPPED PER NOTE 3.

DETAIL "A"
SCALE: 1/1



		DESCRIPTION		DWG./PART NO.		ITEM NO.	
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
		ANGLES 10° 30°	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES			
				OVER 0 TO 1.2	OVER 1.2 TO 6	OVER 6 TO 12.0	OVER 12.0 TO 40.0
SURFACE, QUALITY IN	☒ MICRONS	☐ ± .004	☐ ± .008	☐ ± .012	☐ ± .016	☐ ± .024	☐ ± .04
QUANTITY & VARIATION		☐ ± .012	☐ ± .016	☐ ± .025	☐ ± .04	☐ ± .063	☐ ± .1
THIRD ANGLE PROJECTION 		DRN Jim Seward 25 Jun 60		FIRST USED ON KL10-E digital			
REMOVE BURRS AND BREAK SHARP CORNERS		CHK'D J. Hsu 7/6/60		TITLE ASSY, DC VOLTAGE MONITOR MEMORY			
		ENG. Bud Miller 7/24/60					
		PROJ. ENG. J. Miller 7/24/60					
		PROD. M. Gault 2/24/60					
DO NOT SCALE DWG		NEXT HIGHER ASSY.					
MATERIAL SEE PARTS LIST		D-UA-KL10-E-0		SIZE CODE		NUMBER	REV.
FINISH NONE		SCALE 1/1		Q AD		7018287-0-0	B
		SHEET OF		DIS.			

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION	
					00	01
1	1	D-IA-7018180-0-0	7018180-00	WELDMENT, CARD CAGE	1	1
2	2	C-IA-7424854-0-0	7424854-00	PLATE, FRONT	2	2
3	3	J-IA-7018284-0-0	7018284-00	HARNESS MEMORY DC MONITOR	1	1
4	4		3617588-00	LABEL, DCV MONITOR	1	1
5	5		5414506-00	VOLTAGE MONITOR BOARD	15	-
6	6		9007867-00	MOUNT, PUSH, CABLE TIE	4	4
7	7		9007031-00	TIE, CABLE BUNDL. DIA 0- 3/4"=101	4	4
8	8		3613272-00	LABEL, ADH BACK, MYLAR CAP	2	2
9	9		1213756-12	GROUND STRAP	1	1
10	10		9006563-00	NUT, KEP 8-32X 11/13AF	1	1
11	11		3700599-00	PKG KIT DC VOLTAGE MONITOR	1	1
12	12		9007786-00	RETAINER, J-NUT, 10-32	2	2
13	13		9006073-03	SCREW, TRUS, PHIL, 10-32X 1/2	3	3
14	14		9007651-00	WASHER, LOCK, EXTERNAL TOOTH #10	4	4
15	15		9006565-00	NUT, KEP 10-32X 3/8 AF	1	1
16	16	A-SP-7018287-0-1	7018287-00	MONITOR DC VOLT MEMORY ASSY.	REF	REF
17	17		9007033-00	TIE, CABLE BUNDL. DIA 0-1-3/4"=101	2	2
18	18		9007032-00	TIE, CABLE BUNDL. DIA 0-1-3/4"=101	25	25
19	19		5414506-01	VOLTAGE, MONITOR BOARD	-	16
20	20		9008151-00	WASHER, LOCK, EXT. TOOTH #8	1	1

REVISION HISTORY			BASIC PART NO: 7018287			DRN: JIM SICARD			DATE: 30-JUN-80			DIGITAL		
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D: J. HUSON	DATE: 17-JUL-80	TITLE PARTS LIST								
---	INITIAL	A	SECTION. VARIATION INDEX			ASSY, DC VOLTAGE MONITOR MEMORY								
WB	KL10-E-MR017	B	[A] 00,01											
			[B]	DES. ENG.: P. PORRECA	DATE: 17-JUL-80									
			[C]	RESP. ENG.: P. PORRECA	DATE: 17-JUL-80	DOCUMENT NUMBER								
			[D]			SIZE CODE NUMBER REV								
			[E]	IMFG. ENG.: M. CAPPELLO	DATE: 12-SEP-80	K	PL	7018287-0-03P	B					
			[F]	ASSEMBLY NUMBER:	ITDP DOCUMENT NUMBER:	FILE NAME:			EDIT #					
				ID-AD-7018287-0-0	ID-UA-KL10-E-0	Z1168B.PLS			4					
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1 MR

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION	
				00	01
1	1	D-IA-7018180-0-0	7018180-00	WELDMENT, CARD CASE	1 1
2	2	C-IA-7424854-0-0	7424854-00	PLATE, FRONT	2 2
3	3	J-IA-7018286-0-0	7018286-00	HARNES I/O SHORT	1 1
4	4		3617588-00	LABEL, DCV MONITOR	1 1
5	5		5414506-00	VOLTAGE MONITOR BOARD	12 -
6	6		9007867-00	MOUNT, PUSH, CABLE TIE	4 4
7	7		9007031-00	TIE, CABLE BUNDL. DIA 0- 3/4"=101	4 4
8	8		3613272-00	LABEL, ADH BACK, MYLAR CAP	2 2
9	9		1213756-12	GROUND STRAP	1 1
10	10		9006563-00	NUT, KEP 8-32X 11/13AF	1 1
11	11		3700599-00	PKG KIT DC VOLTAGE MONITOR	1 1
12	12		9007786-00	RETAINER, U-NUT, 10-32	2 2
13	13		9006073-03	SCREW, TRUS, PHIL, 10-32X 1/2	3 3
14	14		9007651-00	WASHER, LOCK, EXTERNAL TOOTH #10	4 4
15	15		9006565-00	NUT, KEP 10-32X 3/8 AF	1 1
16	16	A-SP-7018288-0-1	7018288-00	MONITOR DC VOLT I/O NO. 1 ASSY.	REF REF
17	17		3617997-01	LABEL, DIB20 OPTION VOLTAGES	1 1
18	18		9007032-00	TIE, CABLE BUNDL. DIA 0-1-3/4"=101	25 25
19	19		5414506-01	VOLTAGE, MONITOR BOARD	- 12
20	20		9009110-00	TERM, TAB .365TAB 2POS	- 4
21	21		9008151-00	WASHER, LOCK, EXT. TOOTH #8	1 1

REVISION HISTORY			BASIC PART NO: 7018288			DRN: JIM SICARD			DATE: 30-JUN-80			DIGITAL		
ENGI	ECO NUMBER	REV	SECTION A OF A	CHK'D: J. HUSON			DATE: 17-JUL-80			TITLE PARTS LIST				
---	INITIAL	A	SECTION. VARIATION INDEX	DES. ENG.: P. PORRECA			DATE: 17-JUL-80			ASSY, DC VOLTAGE MONITOR I/O #1				
BW	KL10-E-MR017	B	[A] 00,01	RESP. ENG.: P. PORRECA			DATE: 17-JUL-80			DOCUMENT NUMBER				
			[B]	MFG. ENG.: M. CAPPELLI			DATE: 12-SEP-80			SIZE CODE NUMBER REV				
			[C]	ASSEMBLY NUMBER: ID-AD-7018288-0-0			TOP DOCUMENT NUMBER: ID-UA-KL10-E-0			FILE NAME: Z11663.PLS				
			[D]							EDIT # 3				
			[E]											
			[F]											
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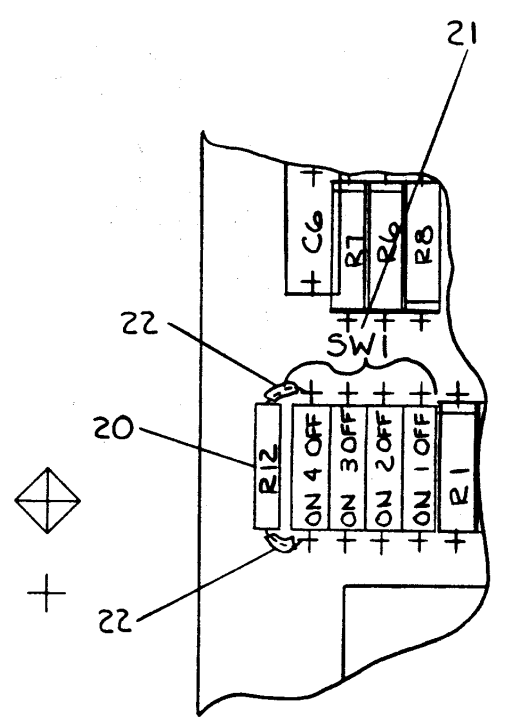
COMPONENT SIDE VIEW

REWORK INSTRUCTIONS
INITIAL RELEASE
COMPONENT ADDS SIDE 1 AS SHOWN
O-1 SW1 (P/N 1211164-00, SW DIP 1A 4POS)

- A. CLIP OFF BOTH LEADS OF SW1-4
FLUSH WITH SWITCH BODY
- B. INSERT SWITCH INTO 6 PIN'S AT
AT THE TOP R1.

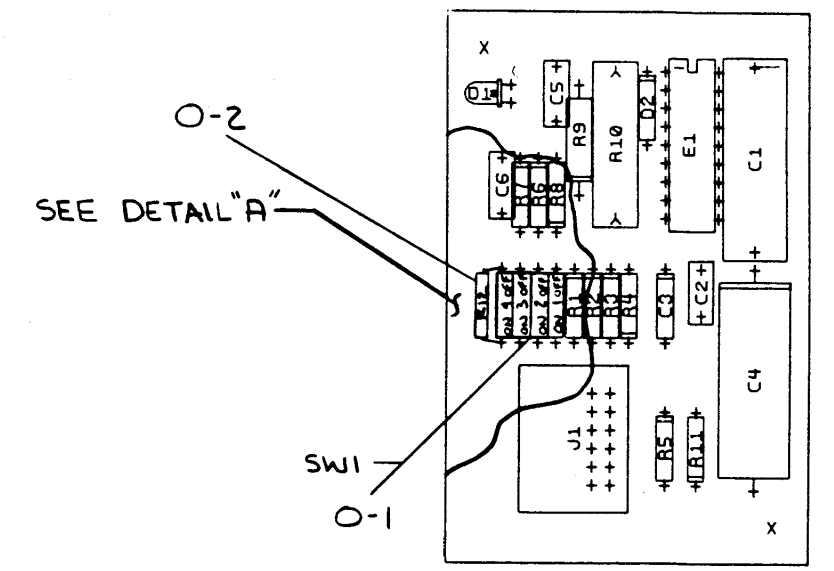
- O-2 R12 (P/N 1300447, 4.70K .25W 5.0%)
 - A. ADD TEFLON THIN WALL TUBING
(P/N 9107807-11 TO BOTH LEADS.
 - B. INSERT R12 INTO 2 PTH'S BENEATH
SW1-4

NOTE: DIRECTIONS ARE GIVEN WITH
RESPECT TO MODULE BEING
POSITIONED WITH CONNECTOR
J1 TOWARD USER.
INDICATE MODULE REVISION AS "A"



SWITCH POSITION	VOLTAGE		
	±20	±15	±5
1	OFF	OFF	ON
2	OFF	ON	OFF
3	ON	OFF	OFF
4	NOT USED		

DETAIL "A"
INSTALLED SWITCH (SW1)



NOTES: 2ML71

STEP 1	→ Y AXIS	STEP 3	TIMES
REPEAT	→ X AXIS	STEP 4	TIMES

CHK	CHANGE	NO	REV

ETCH	REV.

SIGNATURES		DATE	digital
DRN. M. Hammond		10/28/71	
CHK'D. R. W. Cantor		10/28/71	
MECH. ENG. R. L. Jones		10/28/71	
PROJ. ENG. A. C. Joseph		10/28/71	
PROD. - B. J. Boring		10/28/71	TITLE VOLTAGE MONITOR BOARD
SCALE 2/1		SIZE CODE	
SHT. 1 OF 1		NUMBER	
NEXT HIGHER ASSY. B.D. 5411506-1		0 U-5414506-1-0	REV A

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					01		
1	1	D-MD-5014505-0-0	5014505-00	DRILL AND ETCH BRD.	1		
2	2		1000075-00	25 MFD 25V +75-10% AL EL	1		C1
3	3		1000004-00	.02 MFD 100V 20% Z5U DISC	1		C2
4	4		1001610-00	.01 MFD 50V +80-20% Z5U CER	1		C3
5	5		1000080-00	50 MFD 50V +75-10% AL EL	1		C4
6	6		1010274-01	.22 MFD 50V +80-20% Z5U CER	2		C5,C6
7	7		1117373-00	LED ASSY GREEN	1		D1
8	8		1105796-00	1N 4004 PIV=400 I= 1A D041 SP	1		D2
9	9		1217652-00	HEADER 12PIN RT ANGLE,DBL RO	1		J1
10	10		1317925-00	6.98 K .25 W .10% RN55E-B 2	1		R1
11	11		1317924-00	36.50 K .25 W .10% RN55E-B 2	1		R2
12	12		1317923-00	51.10 K .25 W .10% RN55E-B 2	1		R3
13	13		1317922-00	732.0 .25 W .10% RN55E-B 2	1		R4
14	14		1305355-00	7.0 K .25 W .10% RN55C-B 5	1		R5
15	15		1300365-00	1.0 K .25 W 5.0 % CC	2		R6,R7
16	16		1300250-00	150.0 .25 W 5.0 % CC	1		R8
17	17		1300347-00	680.0 .50 W 5.0 % CC	1		R9
18	18		1300368-00	1.0 K 1.0 W 5.0 % CC	1		R10
19	19	SEE NOTE #1	1917657-00	3544J LOW-VOLT SUPERVISORY	1		E1
20	20		1300447-00	4.70 K .25 W 5.0 % CC	2		R11,R12
21	21		1211164-00	SW,DIP 1P 1A 4POS	1		SW1
22	22		9107807-11	TUBING,THIN WALL,.022ID UL	A/R		

23 NOTE: 1.THIS PART CAN BE MARKED SG2544J/DEC3544J.

REVISION HISTORY			BASIC PART NO: 5414506			DRN: M,NORMAND			DATE: 22-SEP-81			D I G I T A L		
ENG	ECO NUMBER	REV	SECTION A OF A			CHK'D: R,W,CAUNTER			DATE: 1-OCT-81			TITLE		
---	INITIAL	A	SECTION VARIATION INDEX			DES,ENG: R,JOSEPHSON			DATE: 1-OCT-81			DOCUMENT NUMBER		
			[A]	01		RESP,ENG: R,JOSEPHSON			DATE: 1-OCT-81			SIZE CODE NUMBER		
			[B]			MFG,ENG: T,CAVANAUGH			DATE: 1-OCT-81			K PL 5414506-1-DBP		
			[C]			ASSEMBLY NUMBER:			TOP DOCUMENT NUMBER:			FILE NAME:		
			[D]			ID-UA-5414506-1-0			R-DD-54145-5-1			23208A.PLS		
			[E]											
			[F]											
			[H]											
			[J]											
			[K]											
			[L]											
			[M]											
			[N]											

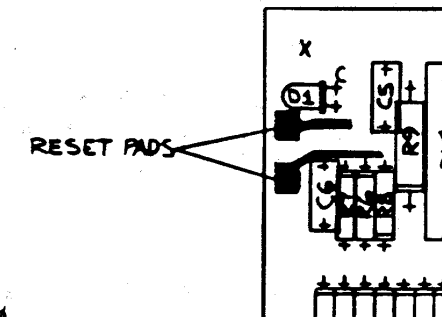
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1-1-905614506-1-1

NOTES:

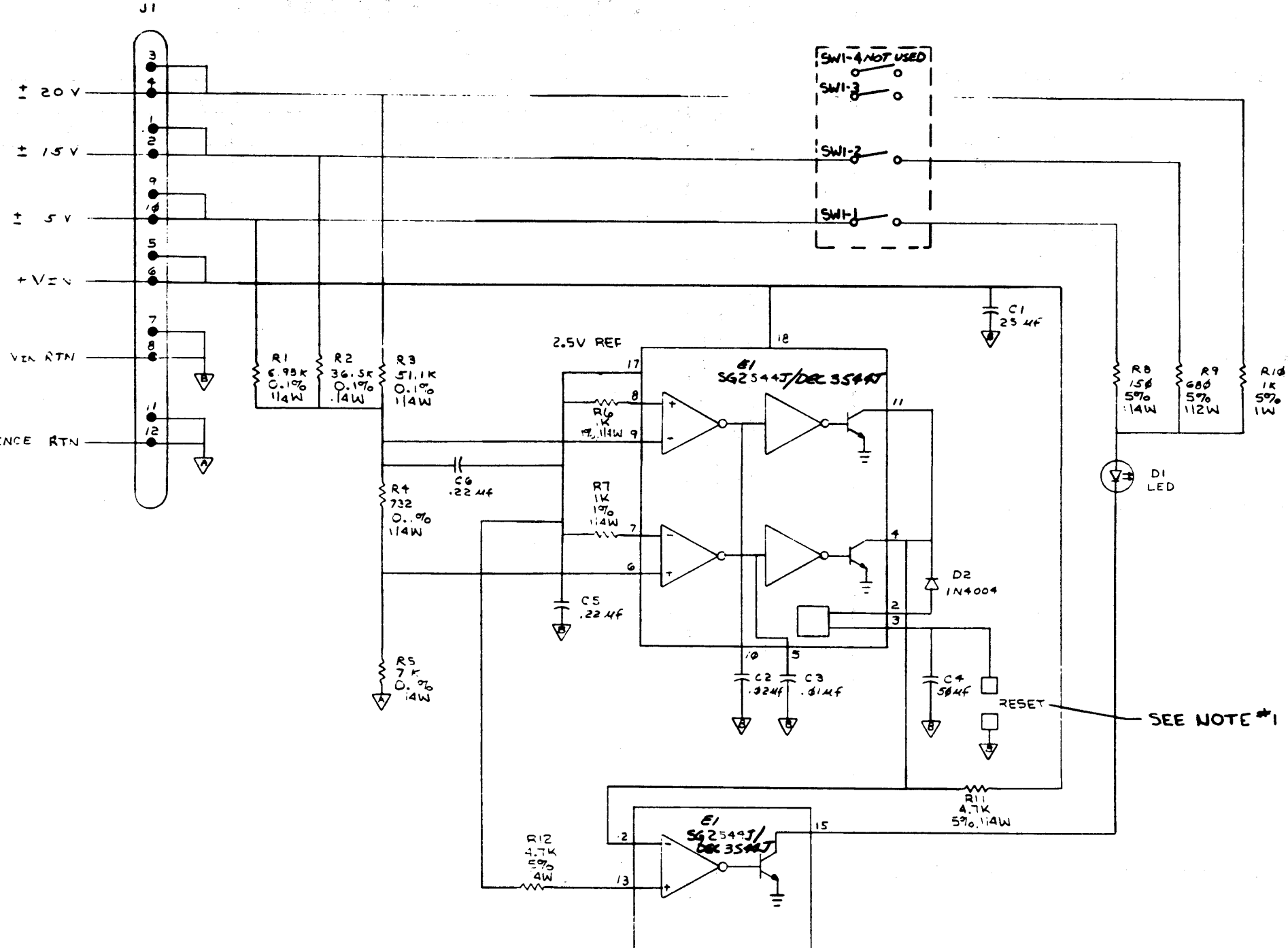
1. JUMPER PADS TO RESET INDICATOR. RESET IS ALSO PROVIDED BY REMOVAL OF ALL POWER TO THE MODULE. RESET JUMPER MUST BE LESS THAN 100 OHMS MAXIMUM.



SWITCH POSITION	VOLTAGE
1	OFF OFF ON
2	OFF ON OFF
3	ON OFF OFF
4	NOT USED

SWITCH SWI
CAUTION: ONLY ONE SWITCH MUST BE ON FOR PROPER OPERATION OF THIS BOARD.

FROM HARNESS
SEE NEXT
HIGHER ASSY.



DRN M. N. N. 10/28/81	FIRST USED ON	KL10
CHK'D R. W. C. 10/28/81	TITLE	VOLTAGE MONITOR BOARD
ENG. J. C. 10/28/81	SCALE	NONE
PROJ. ENG. 10/28/81	SHEET	1 OF 1
PROD. 10/28/81	SIZE	CODE
NEXT HIGHER ASSY.	NUMBER	REV.
B-CC-5414506-1	D	CS 5414506-1-1
MR 1		

ENGINEERING SPECIFICATION

digital

CONTINUATION SHEET

TITLE VOLTAGE MONITOR

1.0 General

- 1.1 This is a specification for a voltage monitor printed circuit board.

When the input voltage to the module is within its range and the correct switch is placed in the "on" position, a green LED is illuminated.

When the voltage goes out of range either on an overvoltage or undervoltage condition, the green LED is extinguished and this fault is latched.

1.2 Reference Documents

DEC STD 102 - Environmental Standard.
D-UA-5414506-1-0 Voltage Monitor Board

2.0 Electrical Specifications

2.1 Input Voltages

The following voltage input ranges are acceptable for monitoring:

+5V	0- +7V DC
+15V	0- +20V DC
+20V	0- +25V DC
-5V	0- -7V DC
-15V	0- -20V DC
-20V	0- -25V DC

2.2 Power Source

This module will operate from a power source of -4.5V to -40V DC, or +4.5V to +40V DC.

2.3 Detection Band

This module will detect and extinguish the green LED display when the input voltage is out of the following bands:

SIZE	CODE	NUMBER	REV
A	SP	5414506-1-2	A

DIGITAL EQUIPMENT CORPORATION

MAYNARD, MASSACHUSETTS

ENGINEERING SPECIFICATION

DATE
Sept. 22, 1981

TITLE VOLTAGE MONITOR

REVISIONS

REV	DESCRIPTION	CHG NO	ORIG	DATE	APPD BY	DATE

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ENG	John Tivnan	APPD		SIZE	CODE	NUMBER	REV
				A	SP	5414506-1-2	A

ENGINEERING SPECIFICATION

CONTINUATION SHEET

TITLE VOLTAGE MONITOR

4.0 Mechanical and Physical

4.1 Size - Printed circuit board 2.0 x 3.0 in. Maximum height is 0.5 in.

4.2 Weight

4.3 Mounting - Any position

4.4 Cooling - Natural convection.

Power may range from 100 mw to 650 mw depending upon power source voltage.

4.5 Temperature Range

- Per DEC Std 102 for Class B environment

4.6 Altitude - 8000 ft - operate

4.7 Vibration - Per DEC Std 102 Class B

4.8 Mechanical Shock - Per DEC Std 102

5.0 Reliability

MTBF goal is greater than 200,000 hours for ground benign environment per MIL - HDBK 217B based on parts count.

6.0 Safety

Not applicable

7.0 Input-Output Connector

J1 Part Number 12-17652-00 Mates with 12-14112-03 connector. Contacts in mating connector are 12-151121-00

Signals

J1-1	15V INPUT
J1-2	15V INPUT
J1-3	20V INPUT
J1-2	20V INPUT
J1-5	INPUT VOLTAGE
J1-6	INPUT VOLTAGE

J1-7	INPUT VOLTAGE RETURN
J1-8	INPUT VOLTAGE RETURN

J1-9	5V INPUT
J1-10	5V INPUT

SIZE	CODE	NUMBER	REV
A	SP	5414506-1-2	A

SHEET 4 OF 5

ENGINEERING SPECIFICATION

CONTINUATION SHEET

TITLE VOLTAGE MONITOR

Switch	Voltage	Error Band (Fault when outside this range)
SW1-1	+/-5V	$\pm 5\% \pm 1.5\%$ (3.5% to 6.5%)
SW1-2	+/-15V	$\pm 5\% \pm 1.5\%$ (3.5% to 6.5%)
SW1-3	+/-20V	$\pm 5\% \pm 1.5\%$ (3.5% to 6.5%)

2.4 Reset

Reset pads are provided on the printed circuit board for local reset. Jumper reset pads together to reset the indicator. Reset is also provided by removal of all power to the module. Reset jumper must be less than 100 ohms maximum.

2.5 Turn-On Time Delay

An undervoltage fault will be disabled for $100 \mu s \pm 20ms$ after the power source voltage is truned on.

2.6 Fault Duration

The over and/or under voltage condition must exist for a duration of time before detection.

Overvoltage Condition - $0.1 \mu s$
Undervoltage Condition - $0.2 \mu s$

2.7 Operating Power

Current drain is 16 ma during normal operation. Current drain during a fault condition is 22 ma.

2.8 Operating Voltage

Module will operate as long as power source voltage is greater than 4.5V. Duration of true indication may be lengthened by connecting power source voltage to a voltage higher than being monitored.

If the module is operated from the voltage it is monitoring, it will not indicate (at all) upon loss of the voltage.

3.0 Output3.1 Indicator

Normal operation of the voltage is indicated by an illuminated green LED. Abnormal voltage is indicated by the lack of illumination by the green LED.

SIZE	CODE	NUMBER	REV
A	SP	5414506-1-2	A

SHEET 3 OF 5

ENGINEERING SPECIFICATION		CONTINUATION SHEET	
TITLE VOLTAGE MONITOR			
J1-11 SENSE VOLTAGE RETURN J1-12 SENSE VOLTAGE RETURN In addition, two printed circuit pads are provided for reset.			
SIZE A		CODE SP	NUMBER 5414506-1-2
			REV A