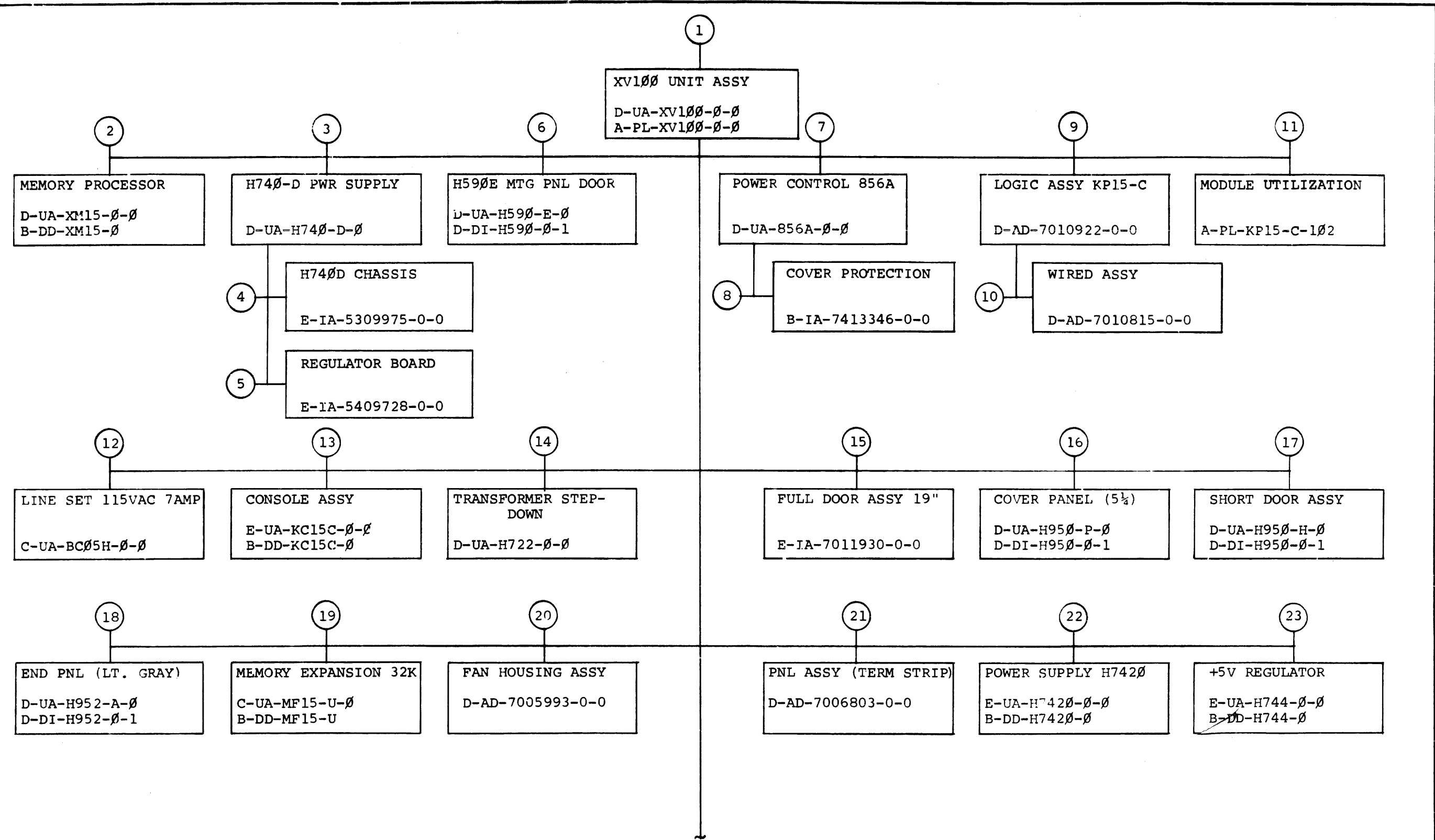
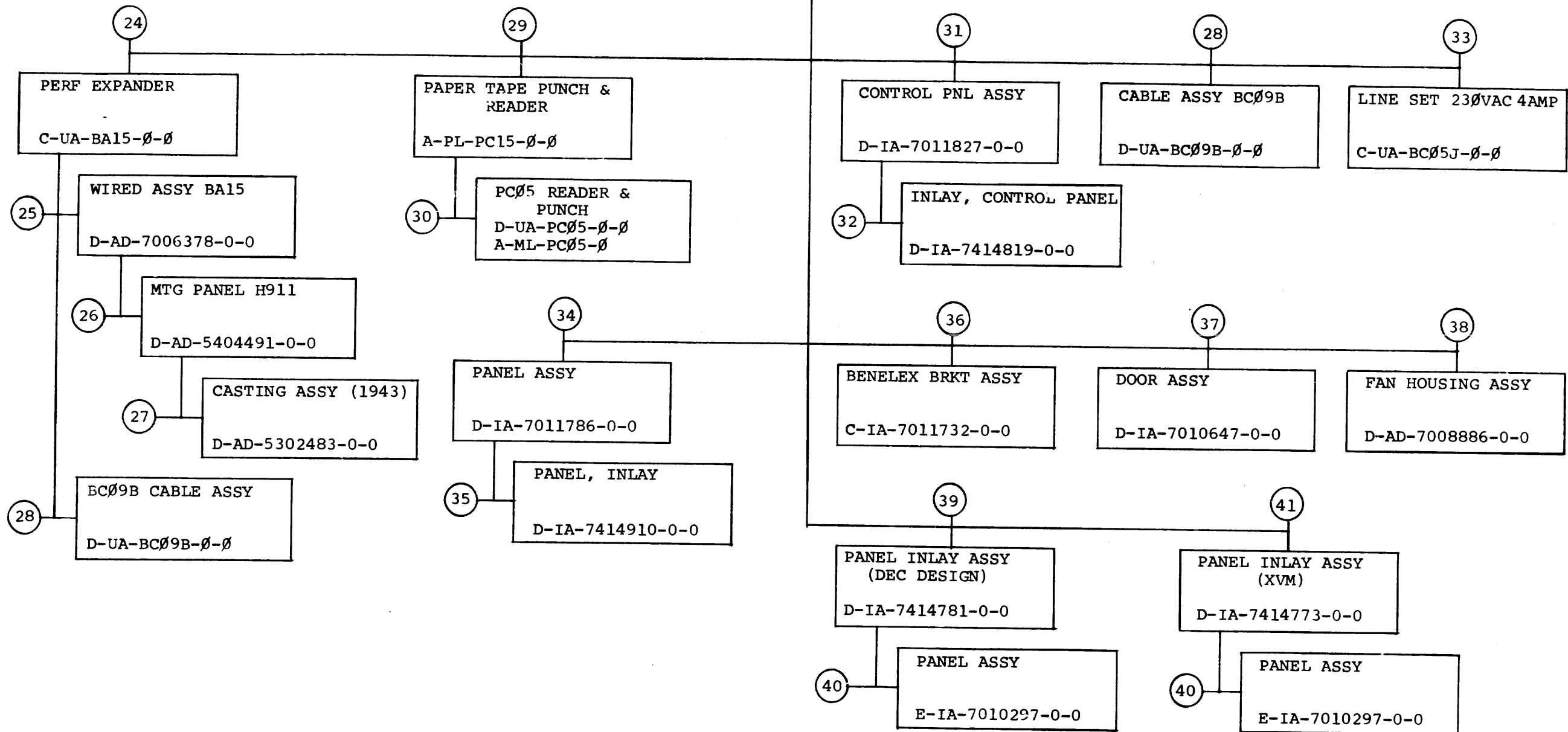




CONTINUED ON SHEET 3

TITLE	SIZE	CODE	NUMBER	REV
XV100 UNIT ASSY	SHEET 2 OF 12	B DD	XV100-0	A

CONTINUED FROM SHEET 2



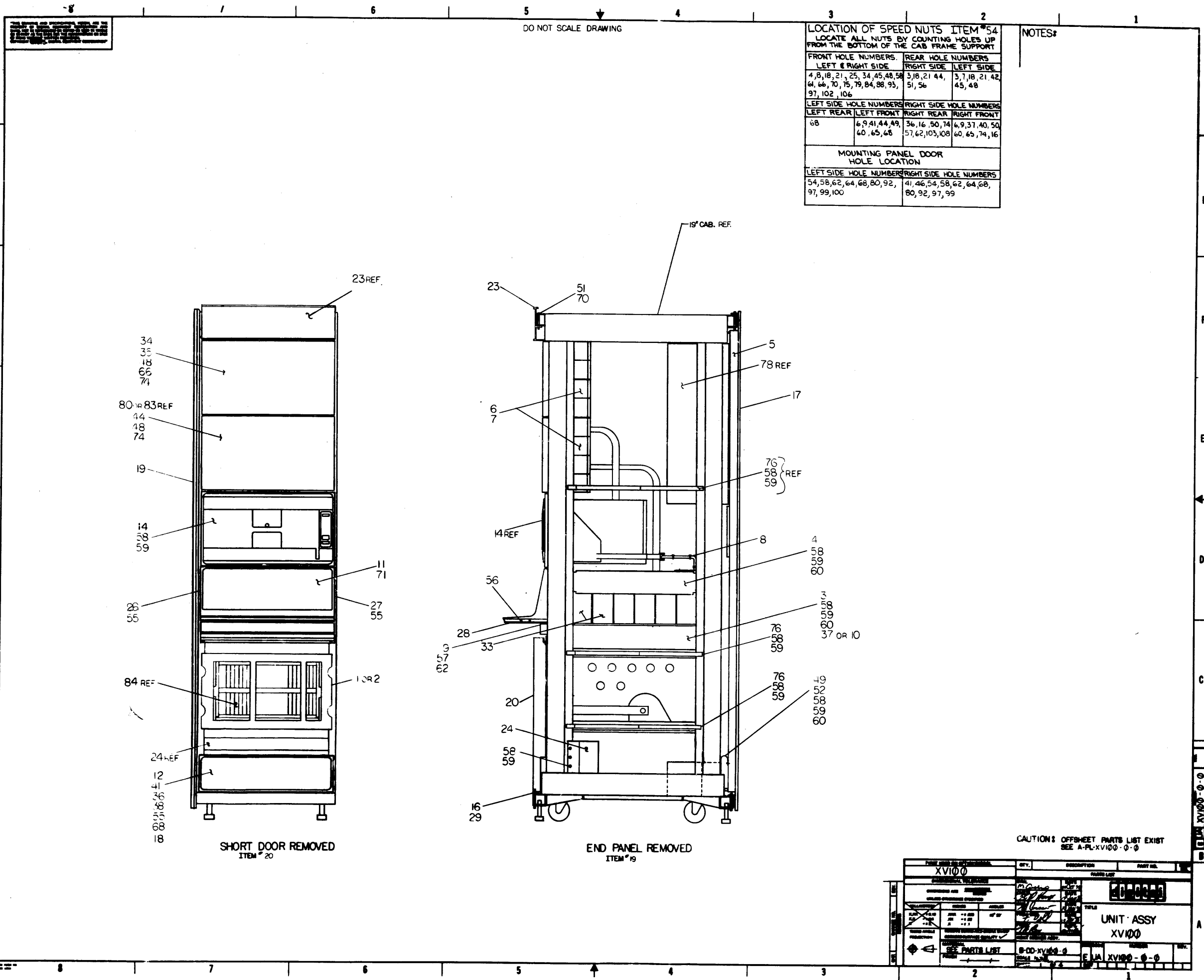
TITLE	SHEET 3 OF 12	SIZE	CODE	NUMBER	REV
XV100 UNIT ASSY	B	DD	XV100-0	A	

CUSTOMER PRINT SET						MECHANICAL						CUSTOMER PRINT SET						MECHANICAL											
MFG. SET						MFG. SET						MFG. SET						MFG. SET											
FIND NO.						FIND NO.						FIND NO.						FIND NO.											
DRAWING NO.						DRAWING NO.						DRAWING NO.						DRAWING NO.											
REV						REV						REV						REV											
NO OF SHT						NO OF SHT						NO OF SHT						NO OF SHT											
DESCRIPTION						DESCRIPTION						DESCRIPTION						DESCRIPTION											
OPTION NO./FILE DATE						OPTION NO./FILE DATE						OPTION NO./FILE DATE						OPTION NO./FILE DATE											
14						D-UA-H722-Ø-Ø						#						1						TRANSFORMER STEPDOWN					
						A-PL-H722-Ø-Ø						#												TRANSFORMER STEPDOWN (PL)					
						D-IA-5308863-0-0						#						1						PANEL MOUNTING					
						B-DC-5308843-0-0						#												DECALS H722					
						B-MD-5302903-0-0						#												PROTECTION COVER 541 (9 TERM)					
15						E-IA-7011930-0-0						#						1						FULL DOOR ASSY 19"					
						E-IA-7414997-0-0						#						1						FULL DOOR 19"					
						C-MD-7414996-0-0						#						1						SUPPORT LOWER					
						C-MD-7414995-0-0						#						1						SUPPORT UPPER					
						C-MD-7412523-0-0						#						1						HAT SECTION					
16						D-UA-H95Ø-PB-Ø						#						1						COVER PANEL (5¼)					
						D-DI-H95Ø-Ø-1						#												H950 DWG INDEX LIST					
17						D-UA-H95Ø-HY-Ø						#												SHORT DOOR ASSY					
						D-DI-H95Ø-Ø-1						#												H95Ø DWG INDEX LIST					
18						D-UA-H952-AC-Ø						#						1						END PANEL (LT. GRAY)					
						D-DI-H952-Ø-1						#												H952 DWG INDEX LIST					
19						C-UA-MF15-U-Ø						#						2						MEMORY EXPANSION 32K					
						A-PL-MF15-Ø-Ø						#						3						MEMORY EXPANSION 32K (PL)					
						B-DD-MF15-Ø						#						4						MEMORY EXPANSION 32K(DWG DIR.)					
20						D-AD-7005993-0-0						#						1						FAN HOUSING ASSY					
						A-PL-7005993-0-0						#						1						FAN HOUSING ASSY (PL)					
						D-IA-7406892-0-0						#						2						FAN HOUSING					
						A-DC-7407314-0-0						#												DECAL, FAN HOUSING					
CUSTOMER PRINT SET CODES						X = PRINT OF DOCUMENT INCLUDED IN PRINT SET						TITLE						SHEET 9 OF 12						REV A					
						C = INCLUDES ALL PRINTS INDICATED ON DOCUMENT						XV1ØØ UNIT ASSY						B DD XV1ØØ-Ø											
						S = CONFIDENTIAL AUTHORIZED SIGNATURE REQUIRED																							

DRB 108

digital

EN-01062-2B-16-R972-(325)

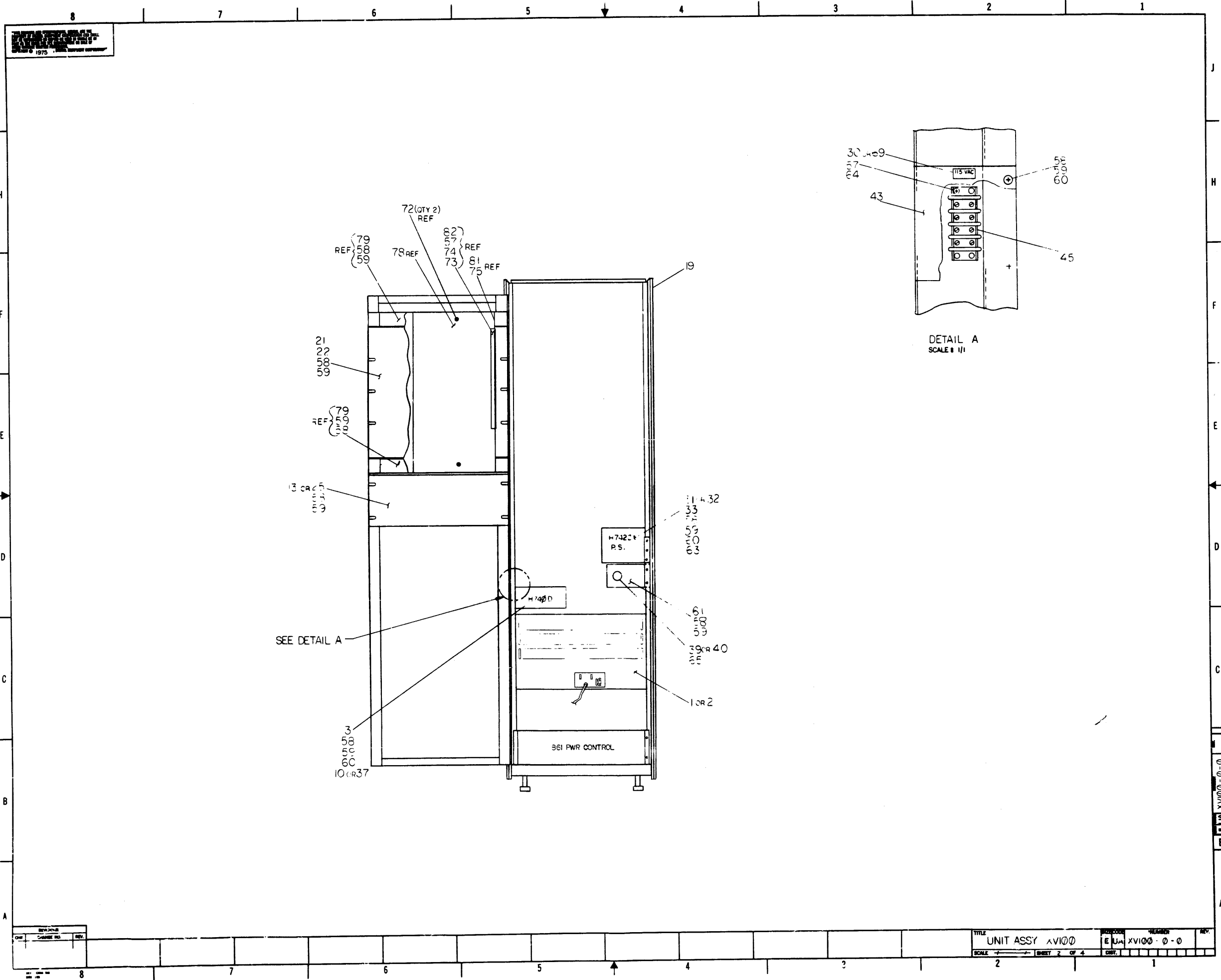


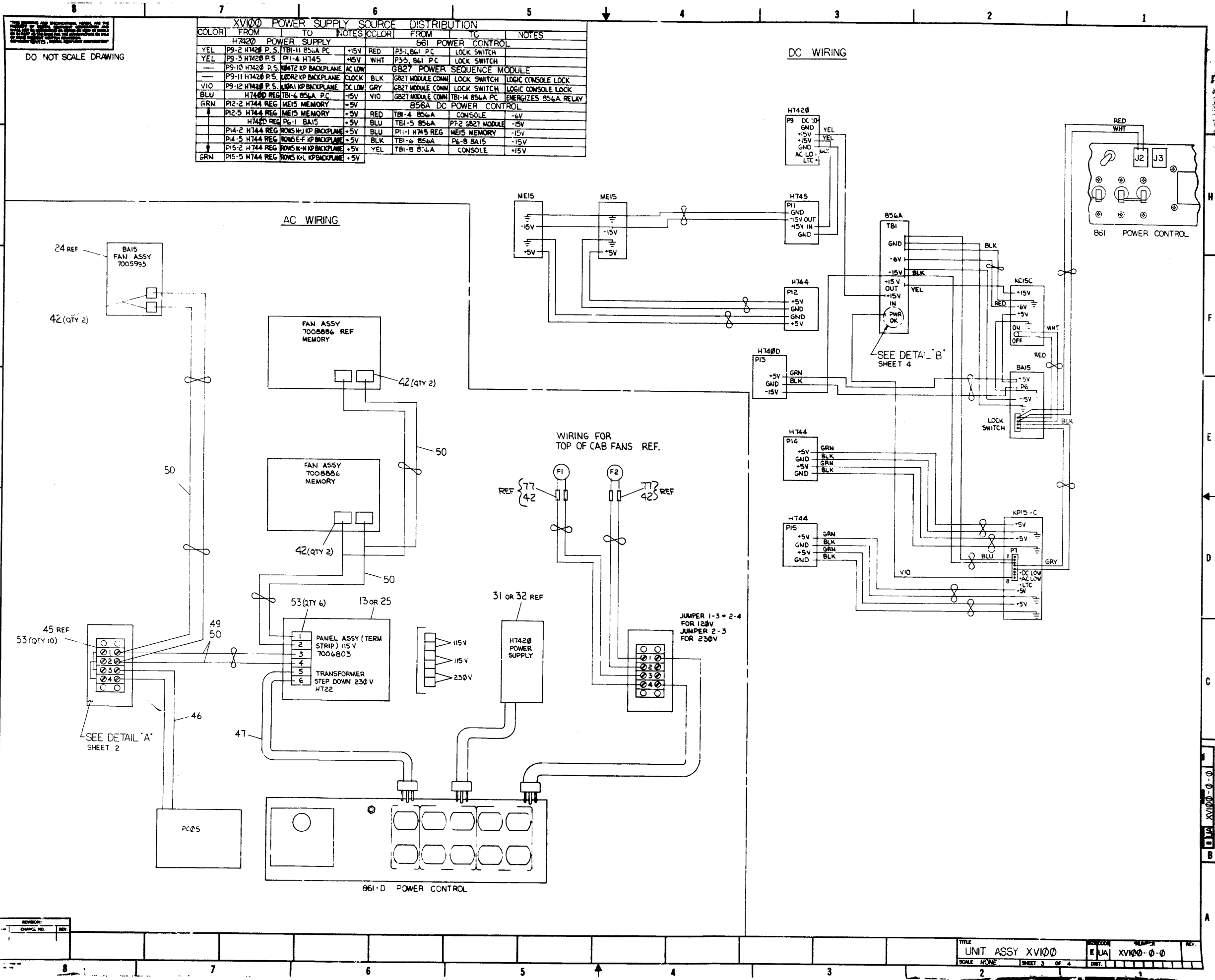
LOCATION OF SPEED NUTS ITEM #54		
LOCATE ALL NUTS BY COUNTING HOLES UP FROM THE BOTTOM OF THE CAB FRAME SUPPORT		
FRONT HOLE NUMBERS		REAR HOLE NUMBERS
LEFT	RIGHT	LEFT
4, 8, 18, 21, 25, 34, 45, 48, 58	3, 18, 21, 44	3, 7, 18, 21, 42
61, 66, 70, 75, 79, 84, 88, 93, 97, 102, 106	51, 56	45, 48
LEFT SIDE HOLE NUMBERS		RIGHT SIDE HOLE NUMBERS
LEFT REAR	LEFT FRONT	RIGHT REAR
68	6, 9, 41, 44, 49, 60, 65, 68	36, 16, 50, 74, 57, 62, 103, 108
		6, 9, 37, 40, 50, 60, 65, 74, 16
MOUNTING PANEL DOOR HOLE LOCATION		
LEFT SIDE HOLE NUMBERS		RIGHT SIDE HOLE NUMBERS
54, 58, 62, 64, 68, 80, 92, 97, 99, 100		41, 46, 54, 58, 62, 64, 68, 80, 92, 97, 99

NOTES:

CAUTION: OFFSHEET PARTS LIST EXIST SEE A-PL-XV100-0-0

PART NO. XV100		QTY.	DESCRIPTION	PART NO.
UNIT ASSY				
XV100				
SEE PARTS LIST				
B-00-XV100-0				
F. J. A. XV100-0-0				



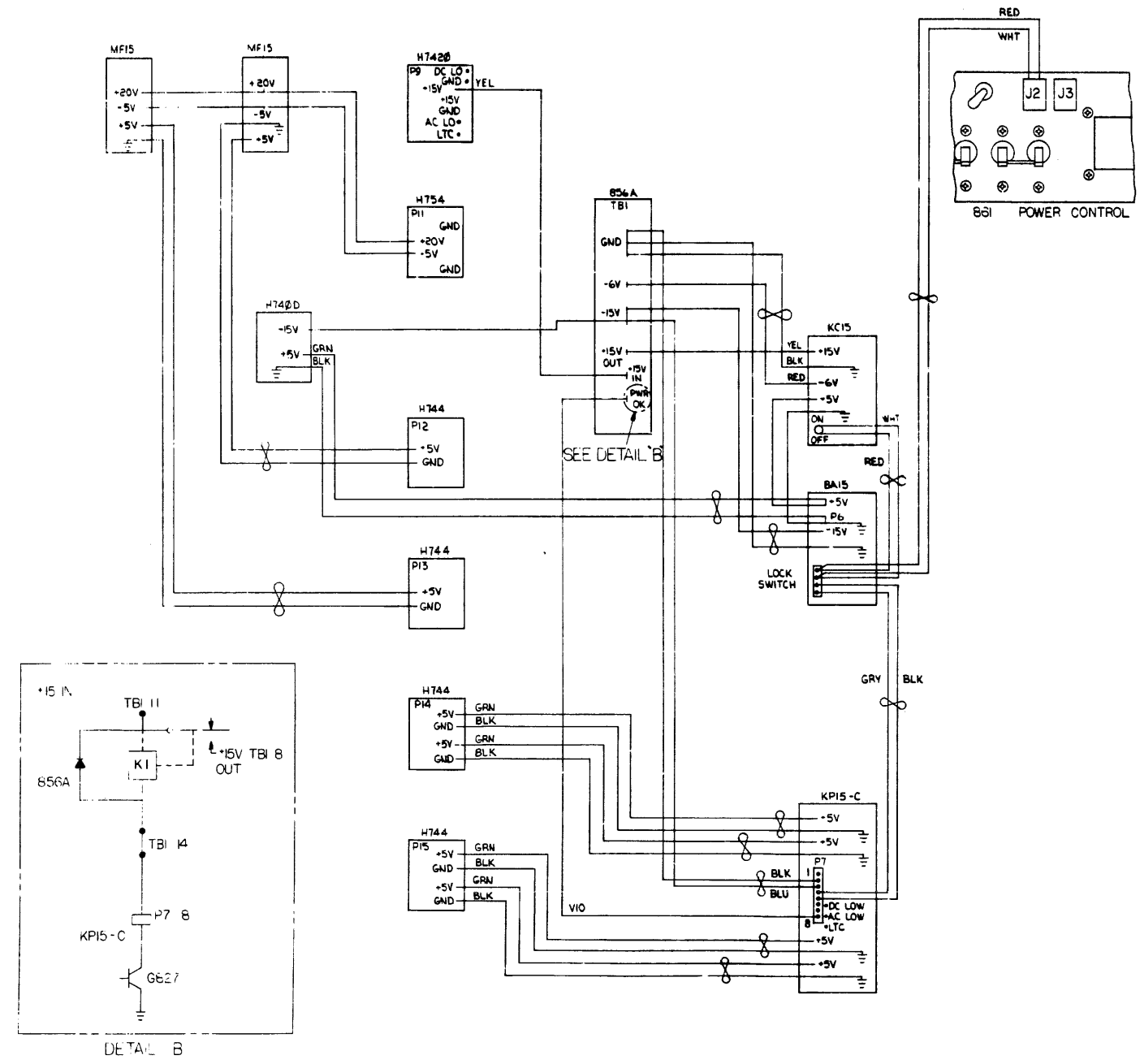


REV	CHG	NO	REV

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DO NOT SCALE DRAWING

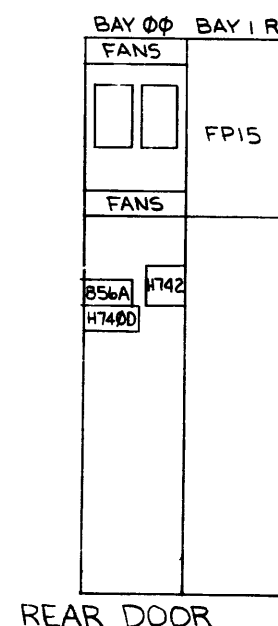
VXI00 POWER SUPPLY SOURCE DISTRIBUTION									
H7420 POWER SUPPLY					861 POWER CONTROL				
COLOR	FROM	TO	NOTES	COLOR	FROM	TO	NOTES		
YEL	P9-2 H7420 P.S.	TBI-11 856A P.C.	+15V	RED	P3-1 861 P.C.	LOCK SWITCH			
YEL	P9-3 H7420 P.S.	P11-4 H745	+15V	WHT	P3-3 861 P.C.	LOCK SWITCH			
	P9-10 H7420 P.S.	K08A72 KP BACKPLANE	AC LOW						
	P9-11 H7420 P.S.	L03R2 KP BACKPLANE	CLOCK	BLK	G827 MODULE CONN	LOCK SWITCH	LOGIC CONSOLE LOCK		
VIO	P2-12 H742 P.S.	L10A1 KP BACKPLANE	DC LOW	GRY	G827 MODULE CONN	LOCK SWITCH	LOGIC CONSOLE LOCK		
BLU	H7400 REG	TBI-6 856A P.C.	-15V	VIO	G827 MODULE CONN	TBI-14 856A P.C.	ENERGIZES 856A RELAY		
GRN	P12-2 H744 REG	MF15 MEMORY	+5V						
	P12-5 H744 REG	MF15 MEMORY	+5V	RED	TBI-4 856A	CONSOLE	-6V		
	H7400 REG	P6-1 BA15	+5V	BLU	TBI-5 856A	P7-2 G827 MODULE	-15V		
	P14-2 H744 REG	ROWS H-J KP BACKPLANE	+5V	BLK	TBI-6 856A	P6-8 BA15	-15V		
	P14-5 H744 REG	ROWS E-F KP BACKPLANE	+5V	YEL	TBI-8 856A	CONSOLE	+15V		
	P15-2 H744 REG	ROWS M-N KP BACKPLANE	+5V	BRN	P11-5	MF15 MEMORY	+20V		
	P15-5 H744 REG	ROWS K-L KP BACKPLANE	+5V						
	P13-2 H744 REG	MF15 MEMORY	+5V						
GRN	P13-5 H744 REG	MF15 MEMORY	+5V						



FRONT VIEW

NOTES:

1. NEGATIVE BUS OPTIONS ARE LOCATED IN AVAILABLE SPACE IN THE H963-J CAB. IN THE EVENT THAT ALL OPTIONS ARE INCLUDED A SECOND CAB IS REQUIRED.
2. IF FOUR TU56'S ARE ORDERED TU56 *3 & *4 ARE INSTALLED IN SECOND CAB AS SHOWN.
3. AFC-15 & UDC-15 CABINETS COULD BE A MAX OF 11 UDC AND 11 AFC CABINETS EACH TO MEET THE REQUIREMENTS OF THE CUSTOMER.
4. FIRST BAIL EXPANDER BOX MOUNTED BELOW PDP 11.
5. TWO RS09 CABINETS ARE REQUIRED FOR MAX CONFIGURATIONS.



CABINET CONFIGURATION INFORMATION	
CAB. DES.	MAX CONFIGURATION DRAWING NO.
H963-A	7006709 (R509)
-B	7006708 (RF15)
-C	7006820 (RP15)
-F	7006725 (TC15)
-H	7006725 (TC15)
-J	7006633 (TC59)
-K	(AA05)
-L	(VT15)
-M	(LP15)
-N	7006863 (MX15)
-P	(ANALOG SUBSYSTEM)
-R	(AFC15 & UDC15)
H963-S	(BD15)

QUANTITY & VARIATION		DESCRIPTION		DWG./PART NO.		ITEM NO.
THIRD ANGLE PROJECTION  REMOVE BURRS AND BREAK SHARP CORNERS DO NOT SCALE DWG		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ANGLES 30° 30' CLASS OF ACCURACY (CHECK ONE) SURFACE QUALITY IN ☒ MEDIUM ☐ PREFERRED		NOMINAL DIMENSION RANGE INCHES OVER 0.2 TO 0.4 OVER 0.4 TO 0.6 OVER 0.6 TO 1.0 OVER 1.0 TO 2.0 OVER 2.0 TO 4.0 OVER 4.0 TO 12.0 OVER 12.0 TO 50.0 OVER 50.0 TO 100.0		DRN. M. <i>Grubbs</i> CHK'D <i>B. H. Harg</i> ENG. <i>A. C. Cramer</i> PROJ. ENG. <i>F. J. Hall</i> PROD. <i>T. R. King</i>
		MICROINCHES 0.001 0.002 0.005 0.010 0.015 0.025 0.04 0.063 0.10		FIRST USED ON XVI00 digit TITLE EQUIPMENT LAYOUT (XVI00)		
MATERIAL FINISH		NEXT HIGHER ASSY. B-DD-XVI00-0 SCALE		SIZE D CODE AR NUMBER R XVI00-0-2		REV
SHEET 1 OF 4		DIST.				

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NOTE: 1. BC09B ASSY FORMS 1 POSITIVE I/O BUS CABLE. 2 BC09A ASSY FORMS 1 NEGATIVE I/O BUS CABLE. SEE PAGE 2 OF 5. THIS PRINT FOR CABLE LENGTHS IN FEET.

FROM		TO		CABLE	CABLE	CABLE	REMARKS
DEVICE	LOCATION	DEVICE	LOCATION	NAME	NO	TYPE	
DR15C	B18	DR11C *1	CONN 2	INTERFACE	BC08R-10		
DR15C	B17	DR11C *1	CONN 1	INTERFACE	BC08R-10		
DR15C	A18	DR11C *0	CONN 2	INTERFACE	BC08R-10		
DR15C	A17	DR11C *0	CONN 1	INTERFACE	BC08R-10		
RF15	EF02/03			POS I/O BUS	BC09B-T	COAX	SEE NOTE #1
RF15	EF04/05			POS I/O BUS	BC09B-T	COAX	SEE NOTE #1
RF15	C31	RS09	A24	CTRL & DATA	7005820-4	FLAT COAX	CONTROL TO DESK
RF15	C32	RS09	A25	CTRL & DATA	7005820-4	FLAT COAX	
RF15	D31	RS09	B24	CTRL & DATA	7005820-4	FLAT COAX	
RF15	D32	RS09	B25	CTRL & DATA	7005820-4	FLAT COAX	
RF15	D01	IND PANEL	TOP RIGHT	INDIC PANEL		FLEXPRINT	CABLES ARE PART OF INDICATOR PANEL (7006331-1) AS VIEWED FROM REAR
RF15	D01	IND PANEL	BOTTOM RIGHT	INDIC PANEL		FLEXPRINT	
RF15	E01	IND PANEL	TOP LEFT	INDIC PANEL		FLEXPRINT	
RF15	F01	IND PANEL	BOTTOM LEFT	INDIC PANEL		FLEXPRINT	
RS09	A26	RS09	A24	CTRL & DATA	7005820-L	FLAT COAX	DISK TO DISK
RS09	A27	RS09	A25	CTRL & DATA	7005820-L	FLAT COAX	L-2 FOR RS09-B-C
RS09	B26	RS09	B24	CTRL & DATA	7005820-L	FLAT COAX	L-4 FOR RS09-D
RS09	B27	RS09	B25	CTRL & DATA	7005820-L	FLAT COAX	
VT15A	HJ29/30			POS I/O BUS	BC09B-T	COAX	SEE NOTE #1
VT15A	HJ31/32			POS I/O BUS	BC09B-T	COAX	SEE NOTE #1
VT15A	BNC'S	VT04	BNC'S	X-Y VIDEO		COAX ASSY	ASSY IS CONTROL TO 7006577-2 TERMINAL
VT15A	BNC	BV04	BNC	Z VIDEO		COAX ASSY	
VT15A	HJ02/03	BV04	AB06	DATA CTRL	7006841-30		
VT15A	D01	IND PANEL	TOP RIGHT	INDIC PANEL		FLEXPRINT	CABLES ARE PART OF INDICATOR PANEL (7006331-2) AS VIEWED FROM REAR
VT15A	E01	IND PANEL	BOTTOM RIGHT	INDIC PANEL		FLEXPRINT	
VT15A	F01	IND PANEL	TOP LEFT	INDIC PANEL		FLEXPRINT	
VT15A	H01	IND PANEL	BOTTOM LEFT	INDIC PANEL		FLEXPRINT	
BV04	A11	VT04	BNC & AMPHENOL	CRT INTENSITY	7006800	BELDEN & COAX	2 VIDEO TO KRATOS DISPLAY
BV04	BNC	LIGHT PEN	PHONE JAX	LIGHT PEN	7006800	COAX	CABLE IS PART OF VT04 GRAPHICS OPTIONS
BV04	A24	LK35		KEYBOARD		RIBBON	
BV04	B24	LT10E	TTY INPUT	KEYBOARD DATA	7006859	BELDEN	
BV04	A12	PUSH BUTTONS		SWITCHES (K501)		RIBBON	CABLE IS PART OF SWITCH ASSY 7006727
BV04	A13	PUSH BUTTONS		SWITCHES (K501)		RIBBON	
XY15	AB01/02			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
XY15	AB03/04			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
XY15	AB05/06			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
XY15	AB07/08			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
XY15	AB09	PLOTTER		DATA CTRL	7005543		
DR09-A	AB01/02			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
DR09-A	AB03/04			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
DR09-A	AB05/06			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
DR09-A	AB07/08			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
DR09-A	A31			RELAYS			CUSTOMER CONNECTIONS
DR09-A	A32			RELAYS			VIA 2-W23 MODULES

FROM		TO		CABLE	CABLE	CABLE	REMARKS
DEVICE	LOCATION	DEVICE	LOCATION	NAME	NO	TYPE	
7006351	AB01/02			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
7006351	AB03/04			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
7006351	AB05/06			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
7006351	AB07/08			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
7006351	H09	AA05D	A09	BUS INTERF	BC08E-9	FLEXPRINT	INTERFACE TO I/O BUS THROUGH 7006351
7006351	J09	AA05D	B09	BUS INTERF	BC08E-9	FLEXPRINT	
7006351	H10	AA05D	A10	BUS INTERF	BC08E-9	FLEXPRINT	
7006351	J10	AA05D	B10	BUS INTERF	BC08E-9	FLEXPRINT	
AA05D	A27	AA07C	A29	DATA CONN	BC08B-4	FLAT COAX	D.A.C. EXPANSION
AA05D	A28	AA07C	A31	DATA CONN	BC08B-4	FLAT COAX	
AA05D	A29	AA07C	A32	DATA CONN	BC08B-4	FLAT COAX	
AA05D	A30	AA07C	A30	DATA CONN	BC08B-4	FLAT COAX	
AF01B	CD 15/16			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
AF01B	CD 17/18			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
AF01B	CD 19/20			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
AF01B	CD 21/22			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
TC15	CD 01/02			POS I/O BUS	BC09B-T	COAX	SEE NOTE #1
TC15	CD 03/04			POS I/O BUS	BC09B-T	COAX	SEE NOTE #1
TC15	AB21	TU56	AB10	DATA CABLE	7405152-1	MICRO DOT	TC15 TO TU56
TC15	A28	TU56	A06	COMMAND	BC02X-3	RIBBON	
TU56	AB11	TU56	AB10	DATA CABLE	7405152-1	MICRO DOT	TU56 TO TU56
TU56	A07	TU56	A06	COMMAND	BC02X-3	RIBBON	
AA15	AB02/03			POS I/O BUS	BC09B-T	COAX	SEE NOTE #1
AA15	AB04/05			POS I/O BUS	BC09B-T	COAX	SEE NOTE #1
AA15	B25	7006631		ANALOG OUT			CABLE PART OF ASSY 7006631
KP15-C	J02	FP15	H29	MDL	BC08A-5	FLEXPRINT	
KP15-C	J03	FP15	H30	MDL	BC08A-5	FLEXPRINT	
KP15-C	H03	FP15	H31	API CONTROL	BC08A-5	FLEXPRINT	
FP15	J31	XM15	E05	API CONTROL	BC08A-6	FLEXPRINT	
FP15	J29	XM15	A08	MDL	BC08A-7	FLEXPRINT	
FP15	J30	XM15	B08	MDL	BC08A-7	FLEXPRINT	
LP15F	AB02/03			POS I/O BUS	BC09B-T	COAX	SEE NOTE #1
LP15F	AB04/05			POS I/O BUS	BC09B-T	COAX	SEE NOTE #1
LP15F	B32	LP		DATA CABLE	7006606	COAX	
LP15F	C30	INDIC PANEL	TOP RIGHT	INDIC PANEL		FLEXPRINT	CABLES ARE PART OF INDIC ASSY 7006331-10 AS VIEWED FROM REAR
LP15F	C31	INDIC PANEL	TOP LEFT	INDIC PANEL		FLEXPRINT	
LP15F	C32	INDIC PANEL	BOTTOM RIGHT	INDIC PANEL		FLEXPRINT	
KP15-C	K02	TELETYPE		TTY		BELDEN	PART OF TTY ASSY (7006593 OR 7006594)
KP15-C	L02	CONSOLE		CONSOLE		FLEXPRINT	
HP05-C(PWR) SEQ	K03	050A		PWR SEQ		PART OF HARNESS	PWR CONNECTORS TO REAR OF MODULES
HP05-C(RTC)	L03	PWR SUPPLY		RTC			
KP15-C	H02	XM15	D05	I BUS	7006437-8	FLEXPRINT	
KP15-C	MN02/03	XM15	AB01/02	POS I/O BUS	BC09B-7	COAX	
XM15	AB03/04	BA15	AB02/03	POS I/O BUS	BC09B-5	COAX	

REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE	CODE	NUMBER	REV.
EQUIPMENT LAYOUT		D	AR	XVI00-0-2	
SCALE		SHEET	3	OF	4
		DIST.			

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FROM		TO		CABLE	CABLE	CABLE	REMARKS
DEVICE	LOCATION	DEVICE	LOCATION	NAME	NO	TYPE	
CR15	AB07/08			POS I/O BUS	BC09B-T	COAX	
CR15	AB09/10			POS I/O BUS	BC09B-T	COAX	
CR15	AB01/02	CR15		DATA/CNTRL	I7008594	COAX	
KP15-C	J02	XM15	A08	MDL	BC08A-7	FLEXPRINT	NO FPI5
KP15-C	J03	XM15	B08	MDL	BC08A-7	FLEXPRINT	NO FPI5
KP15-C	H03	XM15	E05	API/CNTRL	BC08A-6	FLEXPRINT	NO FPI5
XM15	CD10	MEMORY	AB01		BC11A	FLEXPRINT	MEM BUS 1
XM15	CD13	MEMORY	AB01		BC11A	FLEXPRINT	MEM BUS 2
BA15	B13	PC05	B10	PUNCH	BC09A-7	FLEXPRINT	
BA15	B20	PC05	B09	READER	BC09A-7	FLEXPRINT	
BA15	B27	TTY		TTY		BELDEN	PART OF TTY ASSY (7008594 OR 7008593)
BA15	B10	SCOPE		DISPLAY	7008706	ASSEMBLY	FOR VP15-A
					7005772	ASSEMBLY	FOR VP15-B
					7005772	ASSEMBLY	FOR VP15-C
BA15	AB04/05			POS I/O BUS	BC09B-T	COAX	SEE NOTE #1
DW15	AB02/03			POS I/O BUS	BC09B-T	COAX	SEE NOTE #1
DW15	AB04/05			POS I/O BUS	BC09B-T	COAX	SEE NOTE #1
DW15	AB25/26			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
DW15	AB27/28			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
TC50	EF01/02			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
TC50	EF03/04			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
TC50	EF05/06			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
TC50	EF07/08			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
TC50	A01	TU10	A10 SIDE 1	READ DATA	BC09P	COAX	CONTROL TO MAGTAPE TRANSPORT
TC50	A02	TU10	A10 SIDE 2	STATUS	BC09P	COAX	
TC50	A03	TU10	A10 SIDE 2	DENSITY	BC09N	COAX	
TC50	B01	TU10	A17 SIDE 1	WRITE DATA	BC09P	COAX	
TC50	B02	TU10	A17 SIDE 2	COMMAND	BC09P	COAX	MAGTAPE TRANSPORT TO MAGTAPE TRANSPORT
TU10	B10 SIDE 1	TU10	A10 SIDE 1	READ DATA	BC09N-15	COAX	
TU10	B10 SIDE 2	TU10	A10 SIDE 2	STATUS	BC09N-15	COAX	
TU10	B10 SIDE 2	TU10	A10 SIDE 2	DENSITY	BC09N-15	COAX	
TU10	B17 SIDE 1	TU10	A17 SIDE 1	WRITE DATA	BC09N-15	COAX	
TU10	B17 SIDE 2	TU10	A17 SIDE 2	COMMAND	BC09N-15	COAX	
LT100	CD01/02			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
BA15	AB04/05	DR15C	AB21/02	POS I/O BUS	BC09B-T	COAX	SEE NOTE #1
DR15C	AB03/04			POS I/O BUS	BC09B-T	COAX	SEE NOTE #1
LT100	CD03/04			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
LT100	CD05/06			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
LT100	CD07/08			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
LT100(1)	D13	TTY(1)		TTY(1)		BELDEN	PART OF TTY ASSY 7008593 OR 7008594
LT100(2)	D21	TTY(2)		TTY(2)		BELDEN	
LT100(3)	D02	TTY(3)		TTY(3)		BELDEN	
LT100(4)	B10	TTY(4)		TTY(4)		BELDEN	
LT100(5)	B10	TTY(5)		TTY(5)		BELDEN	

FROM		TO		CABLE	CABLE	CABLE	REMARKS
DEVICE	LOCATION	DEVICE	LOCATION	NAME	NO	TYPE	
LT100(1)	A25	DATA SET		DATA SET(1)	7005717	BELDEN	ASSY INCLUDES DATA SET CONNECTOR
LT100(2)	A26	DATA SET		DATA SET(2)	7005717	BELDEN	
LT100(3)	A27	DATA SET		DATA SET(3)	7005717	BELDEN	
LT100(4)	A28	DATA SET		DATA SET(4)	7005717	BELDEN	
LT100(5)	A29	DATA SET		DATA SET(5)	7005717	BELDEN	
DB09	AB01/02			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
DB09	AB03/04			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
DB09	CD01/02			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
DB09	CD03/04			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
DB09	AB23/24	DB09/09	AB23/24	DATA CABLE	BC09A-L	COAX	L-LENGTH WILL DEPEND ON DISTANCE BETWEEN SYSTEMS
DB09	CD23/24	DB09/09	CD23/24	DATA CABLE	BC09A-L	COAX	
DP09A	AB01/02			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
DP09A	AB03/04			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
DP09A	AB05/06			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
DP09A	AB07/08			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
B37	A01	DP09A	B09	INTERFACE	7405553-20	FLEXPRINT	DATA SET XMIT/REC LOGIC TO INTERFACE
B37	A02	DP09A	B10	INTERFACE	7405553-29	FLEXPRINT	
B37	B01	DP09A	B11	INTERFACE	7405553-30	FLEXPRINT	
B37	B02	DP09A	B12	INTERFACE	7405553-30	FLEXPRINT	
B37	B03	DP09A	B13	INTERFACE	7405553-30	FLEXPRINT	
B37	A03	DATA SET		DATA/CNTRL	7005639-1	BELDEN	
AD15	AB01/02			POS I/O BUS	BC09B-T	COAX	SEE NOTE #1
AD15	AB03/04			POS I/O BUS	BC09B-T	COAX	SEE NOTE #1
AD15	E14			ANALOG IN		RIBBON	CABLES ARE PART OF ASSY BC01N-4 OR BC01P-4
AD15	F14			ANALOG IN		RIBBON	
AD15	AB14	AMP1		MULTIPLEX	N095	FLEXPRINT	FOR EXPANSION ON INPUT CHANNEL MULTIPLEXER
AMP0	AB01/02			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
AMP0	AB03/04			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
AMP0	AB05/06			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
AMP0	AB07/08			NEG I/O BUS	BC09A-T	COAX	SEE NOTE #1
EXP		XM15	AB13		BC11A	FLEXPRINT	EXTERNAL PROCESSOR BUS
XM15	AB10	NEXT PERPH			BC11A	FLEXPRINT	
BD15	AB02/03			POS I/O BUS	BC09B-T	COAX	SEE NOTE #1
BD15	AB04/05			POS I/O BUS	BC09B-T	COAX	SEE NOTE #1
BD15		AFC15					SEE PRINT D-AR-BD15-0-21
BD15		UDC15					
TC15	AB21	TU55	AB02	DATA	7405152-1	ASSY	CONTROL TO TRANSPORT
TC15	A27	TU55	AB05	COMMAND	7405151-1	ASSY	
TC02	CD25	TU50	AB10	DATA	7405152-1	ASSY	CONTROL TO TRANSPORT
TC02	C32	TU50	AB00	COMMAND	7009223	ASSY	
TU50	AB11	TU55	AB02	DATA	7405152-1	ASSY	TRANSPORT TO TRANSPORT (TC02 CONTROLLER)
TU50	AB07	TU55	AB05	COMMAND	7009223	ASSY	
FP15	J05	IND PANEL	BOTTOM RIGHT	INDIC PANEL		FLEXPRINT	CABLES ARE PART OF INDICATOR PANEL (7008331-20) AS VIEWED FROM REAR
FP15	J06	IND PANEL	BOTTOM LEFT	INDIC PANEL		FLEXPRINT	
FP15	J03	IND PANEL	TOP RIGHT	INDIC PANEL		FLEXPRINT	
FP15	J04	IND PANEL	TOP LEFT	INDIC PANEL		FLEXPRINT	

REVISIONS		
CHK	CHANGE NO	REV.

THIS IS PRINT SET

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SEQUENCE

[illegible]

DEC 16 1963-1A-11072

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
PARTS LIST

MADE BY		R. CAUNTYR		SECTION	
DATE	3/11/75	CHECKED	3/23/75	PROD	ISSUED SECT.
ENG	4/1/75	DATE	4/24/75	DATE	
DATE	5/21/75	DATE	5/22/75		

ITEM NO	DWG NO. / PART NO.	DESCRIPTION
1	E-MD-7407125-0-0	BEZEL, CONSOLE UNIVERSAL
2	D-IA-7406841-0-0	PANEL CONTROL
3	D-IA-7408187-0-0	COVER CONTROL PANEL
4	D-IA-7407103-0-0	GLASS SUPPORT (CONSOLE)
5	D-IA-7010684-0-0	LIGHT BOARD ASSY
6	9006026-1	SCR PHL PAN HD #6-32 X 3/4 LG
7	9006707	WASH .156 X .312 X 1/32 NYLON
8	9006801	SPACER 1/4 AF X 3/8 LG #6
9	D-IA-7006325-0-0	SWITCH BOARD ASSY
10	9006021-1	SCR PHL PAN HD #6-32 X 5/16 LG
11	1209560-2	CONSOLE KNOB
12	9007628	NUT, KNURLED ROUND 3/8-32 X 3/32 THK X 1/4 OD
13	1209560-1	CONSOLE KNOB
14	9007835	"O" RING #006 BUNA-N
15	9008890-01	3/4" DIA VELCOIN HOOK #65 SA-0140 PRECOAT
16	9007834	TAPE DBL STICKY #4032 1/32 THK
17	9008890-02	3/4 DIA VELCOIN LOOP SA-0140 PRECOAT
18	9007962	WASH, FLAT NYLON
19	9006025-2	SCR PHL FLAT HD #6-32 X 5/8
20	9007632	WASH SHOULD #2153
21	1809743	SWITCH BOARD FOAM SHIELD

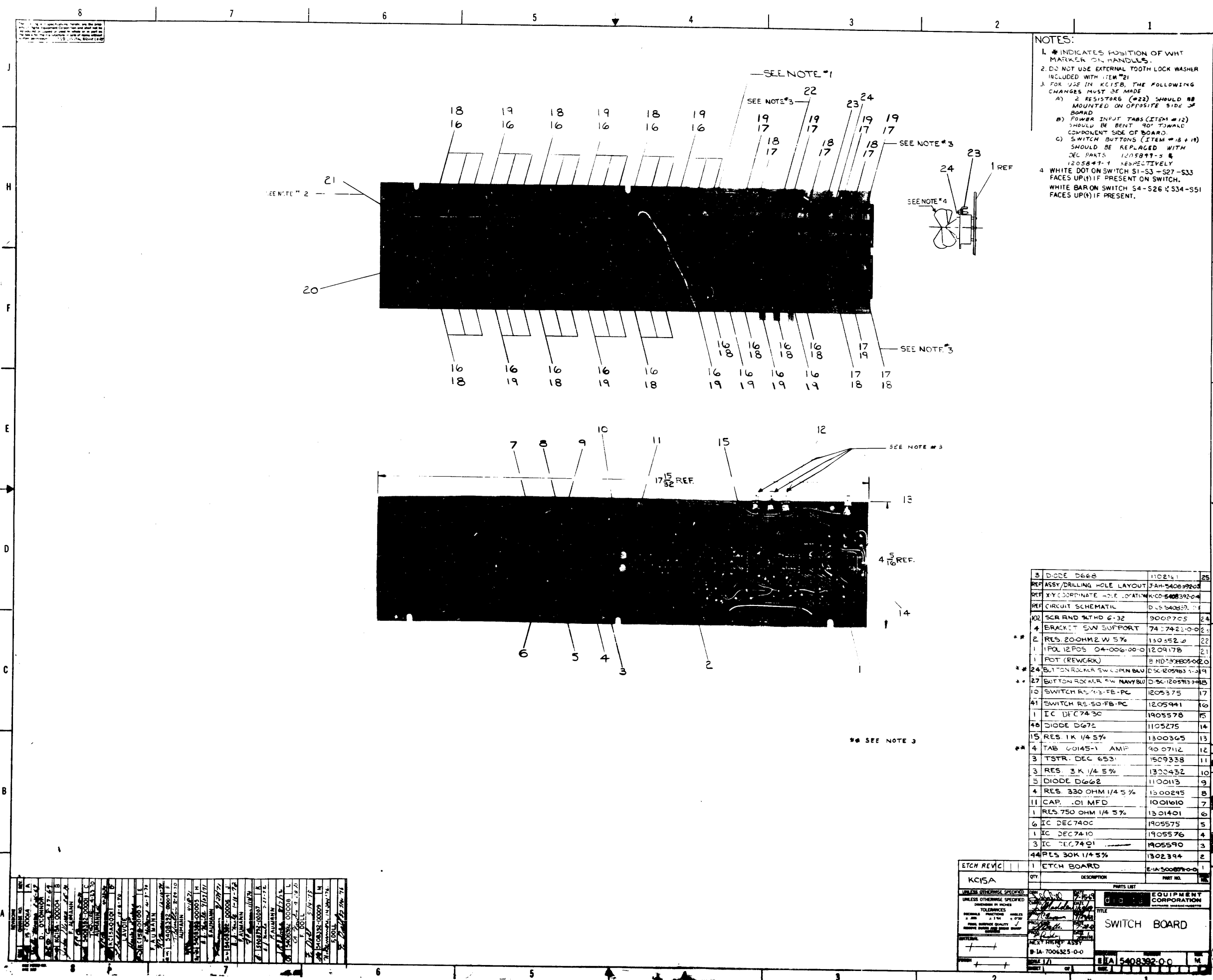
DEC FORM DEC 16 (325) 1031 NR70
DMA 110

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
PARTS LIST

MADE BY	R. CAUNTER	CHECKED	<i>[Signature]</i>	SECTION
DATE	3/11/75	DATE	3/12/75	
ENG	<i>[Signature]</i>	PROD	<i>[Signature]</i>	
DATE	<i>[Signature]</i>	DATE	3/12/75	ISSUED SECT.

[illegible]

DEC FORM DEC 16 (25) 1031 8870
DRA 110



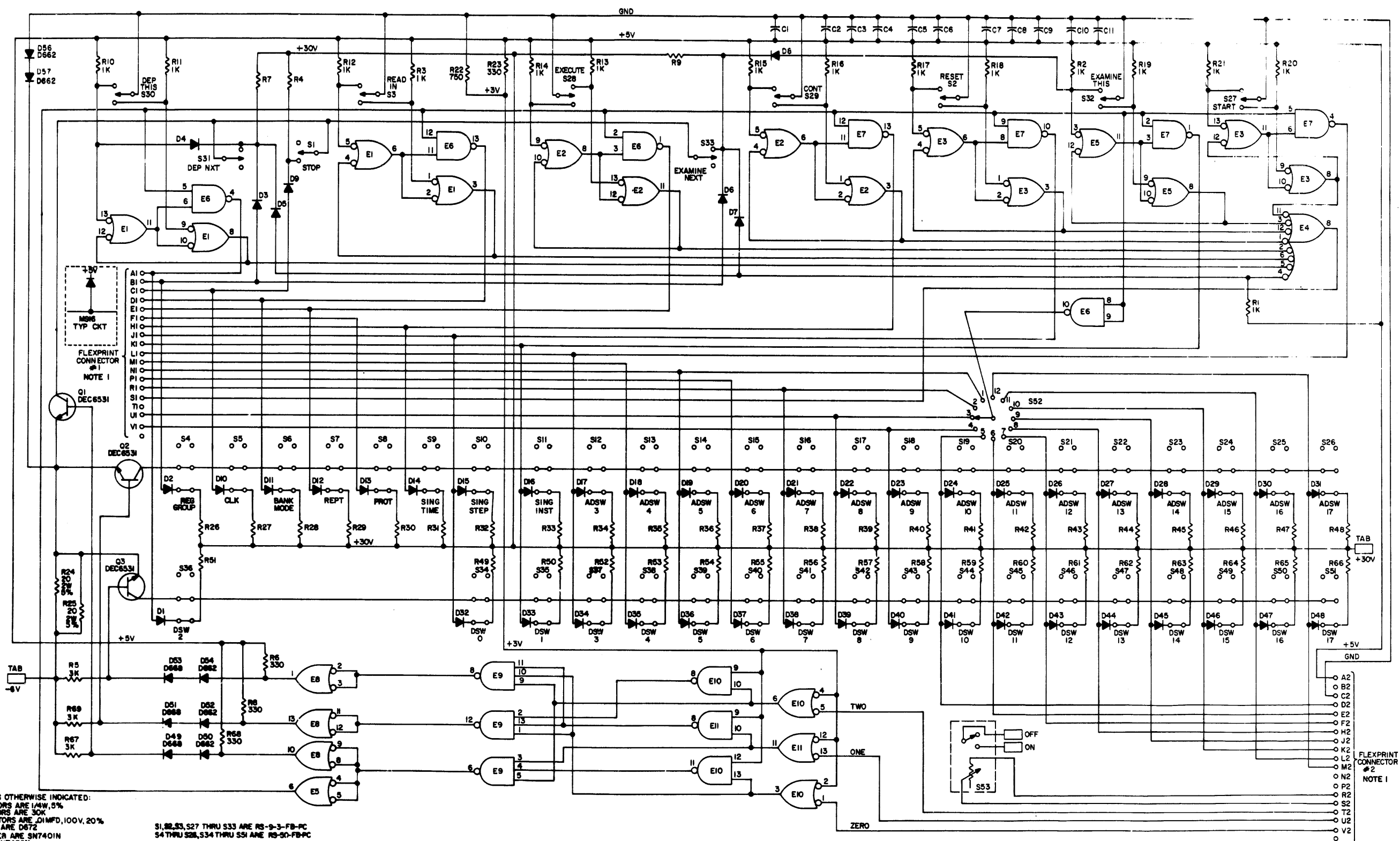
- NOTES:
1. * INDICATES POSITION OF WHT MARKER ON HANDLES.
 2. DO NOT USE EXTERNAL TOOTH LOCK WASHER INCLUDED WITH ITEM #21.
 3. FOR USE IN KC15B, THE FOLLOWING CHANGES MUST BE MADE:
 - A) 2 RESISTORS (#22) SHOULD BE MOUNTED ON OPPOSITE SIDE OF BOARD.
 - B) POWER INPUT TABS (ITEM #12) SHOULD BE BENT 90° TOWARD COMPONENT SIDE OF BOARD.
 - C) SWITCH BUTTONS (ITEM #18 + 19) SHOULD BE REPLACED WITH DEC PARTS 1205877-1 & 1205877-2 RESPECTIVELY.
 4. WHITE DOT ON SWITCH S1-S3-S27-S33 FACES UP (1) IF PRESENT ON SWITCH. WHITE BAR ON SWITCH S4-S26 & S34-S51 FACES UP (1) IF PRESENT.

3	DIODE D668	1102141	25
REF	ASSY/DRILLING HOLE LAYOUT JAH-5408392-0		
REF	XY COORDINATE HOLE LOCATION KCD-6408392-0		
REF	CIRCUIT SCHEMATIC DLS-5408392-0		
102	SCR AND RTHD 6-32	9008705	24
4	BRACKET SW SUPPORT	74-7423-0-0	23
** 2	RES 200HMZ W 5%	130352-0	22
1	ICL 12POS 04-006-00-0	1209178	21
1	POT (REWORK)	8ND-3HE05-0-0	20
** 24	BUTTON ROCKER SW COMN BAY	DSC-1205873-1-0	19
** 27	BUTTON ROCKER SW NAVYBU	DSC-1205873-1-0	18
10	SWITCH RS 1/3-FB-PC	1205375	17
41	SWITCH RS 50-FB-PC	1205941	16
1	IC DEC7430	1905578	15
48	DIODE D672	1105275	14
15	RES 1K 1/4 5%	1300365	13
** 4	TAB 60145-1 AMP	90-07112	12
3	TSTR DEC 653	1509338	11
3	RES 3K 1/4 5%	1300432	10
5	DIODE D662	1100113	9
4	RES 330 OHM 1/4 5%	1300295	8
11	CAP .01 MFD	1001610	7
1	RES 750 OHM 1/4 5%	1301401	6
6	IC DEC740C	1905575	5
1	IC DEC7410	1905576	4
3	IC DEC7401	1905590	3
44	RES 30K 1/4 5%	1302394	2
1	ETCH BOARD	E-1A-5008392-0-0	1

ETCH REV C	KCISA	QTY	DESCRIPTION	PART NO.
UNLESS OTHERWISE SPECIFIED				
DIMENSIONS IN INCHES				
TOLERANCES				
FRACTIONS DECIMALS ANGLES				
.001 .002 .005 .010 .015 .020 .030 .040 .050 .060 .070 .080 .090 .100 .125 .150 .175 .200 .250 .300 .375 .500 .625 .750 .875 1.000 1.250 1.500 1.750 2.000 2.500 3.000 3.750 4.000 5.000 6.000 7.000 8.000 10.000 12.000 15.000 17.500 20.000 25.000 30.000 37.500 40.000 50.000 60.000 75.000 100.000 125.000 150.000 175.000 200.000 250.000 300.000 375.000 400.000 500.000 600.000 750.000 1000.000				
FINISHES				
MATERIAL				
NEXT PRINTING ASSY				
P-1A-7006325-0-0				
DATE 1/1				
EQUIPMENT CORPORATION				
TITLE				
SWITCH BOARD				
P-1A-5408392-0-0				

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100-26390-5 SC 0



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W, 5%
RESISTORS ARE 30K
CAPACITORS ARE .01MFD, 100V, 20%
DIODES ARE D67Z
E1, E2, E3 ARE SN7401N
E4 IS SN7401N
E5 IS SN7401N
E6, E7, E8, E9, E10, E11 ARE SN7400N

S1, S2, S3, S27 THRU S33 ARE RS-9-3-FB-PC
S4 THRU S26, S34 THRU S51 ARE RS-50-FB-PC

NOTE:
1. THE OTHER END OF THE FLEXPRINT CABLE
IS CONNECTED TO AN MSB MODULE WHICH
PROVIDES A DIODE CLAMP TO 15V FOR EACH LINE.

PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V
S27 IS POT. ON/OFF SWITCH # 5308805
S28 IS ROTARY SWITCH IP 12 POS -04-006-00-0
REF ASSY DWG # PL E-1A-5408392-0-0

REV	DATE	BY	CHKD	APPD
1	11/16/69	W. J. BELL		
2	11/16/69	W. J. BELL		
3	11/16/69	W. J. BELL		
4	11/16/69	W. J. BELL		
5	11/16/69	W. J. BELL		
6	11/16/69	W. J. BELL		
7	11/16/69	W. J. BELL		
8	11/16/69	W. J. BELL		
9	11/16/69	W. J. BELL		
10	11/16/69	W. J. BELL		

DATE	BY	CHKD	APPD
11/16/69	W. J. BELL		
11/16/69	W. J. BELL		
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11/16/69	W. J. BELL		

DATE	BY	CHKD	APPD
11/16/69	W. J. BELL		
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11/16/69	W. J. BELL		
11/16/69	W. J. BELL		
11/16/69	W. J. BELL		
11/16/69	W. J. BELL		

TITLE: PDP-15 CONSOLE SWITCH BOARD
EQUIPMENT CORPORATION
PRINTED CIRCUIT REV. 1

SIZE CODE D CS
NUMBER 5408392-0-1
REV M

NOTES: 1. FOR AH REFER TO J-AH-5408394-Φ-5
2. FOR DRAWING DIRECTORY REFER TO : B-DD-5408394-YA

WIRE ADD SIDE 1
1. ADD WIRE (ITEM 19) AS SHOWN.
ETCH CUT SIDE 2 AS SHOWN
1. 1. CUT ETCH AT "+10" REMOVE "+ & "Φ"
2. CUT ETCH AT "+30" REMOVE "+ & "Φ"

	A36	1300PM	30051 3216	
1		ETCHED CIRCUIT BOARD	5008393	1
6	E1 F4 E5, E10, E12 E14	IC DEC 744C	1905579	2
1	E2	IC DEC 7410	1905576	3
2	E3, E4	IC DEC 7400	1905575	4
6	E5, E7, E9, E11 E13, E15	IC DEC 7401	1905590	5
12	Q71 THRU Q82	TRANS 2219A	1501881	6
70	Q1 THRU Q70	TRANS 6531	1509338	7
36	R1 THRU R36	RES 1K 5% 1/4W	1300365	8
2	R37, R39	RES 330 5% 1/4W	1300295	9
2	R38, R40	RES 750 5% 1/4W	1301401	10
15	C1 THRU C8, C10, C15, C19 C20, C21, C25, C26	CAP .01 50V	1001610-01	11
2	C9, C14	CAP 20 10% 50V	1002839	12
24	C11, C12, C13, C16, C17 C18, C22, C23, C24 C27 THRU C41	CAP .047 20% 250V	1003053	13
70	I1 THRU I70	LAMP	12-12264	14
1		CONN 36 PIN	5509071-1	15
3		TAB 42117-1	9008219	16
3		EYELET GSA-7	9006732	17
140		SOCKET, MINIATURE SPRING	900781Z	18
25"		WIRE #24 AWG GRN	9107688-55	19

QTY	REF. DESIGNATION	DESCRIPTION		PART NO.	ITEM NO.
PARTS LIST					
ETCH BOARD REV.					
		DRN. <i>Redesign Center</i>	DATE <i>5/1/75</i>	 TITLE LIGHT BOARD CONSOLE	
		CHND. S <i>8660</i>	DATE <i>4/25</i>		
		ENG. <i>T. Cal</i>	DATE <i>4/25</i>		
		PROJ. ENG. <i>T. Cal</i>	DATE <i>4/25</i>		
		PROD. <i>W. H. H.</i>	DATE <i>4/25</i>		
		NEXT HIGHER ASSY B-DD-5408394-YA			
DEC NO.	EIA NO.	SCALE 1 of 3	SHEET 1 of 3	SIZE D	CODE A
CONVERSION CHART				NUMBER 5408394-YA-0	REV. B

7-19-75	1-29-75	5403394YA-00002	B
F. DOLL			
7-19-75	1-29-75	5403394YA-00001	A
F. DOLL			
CHK	CHG	CHANGE NO.	REV.

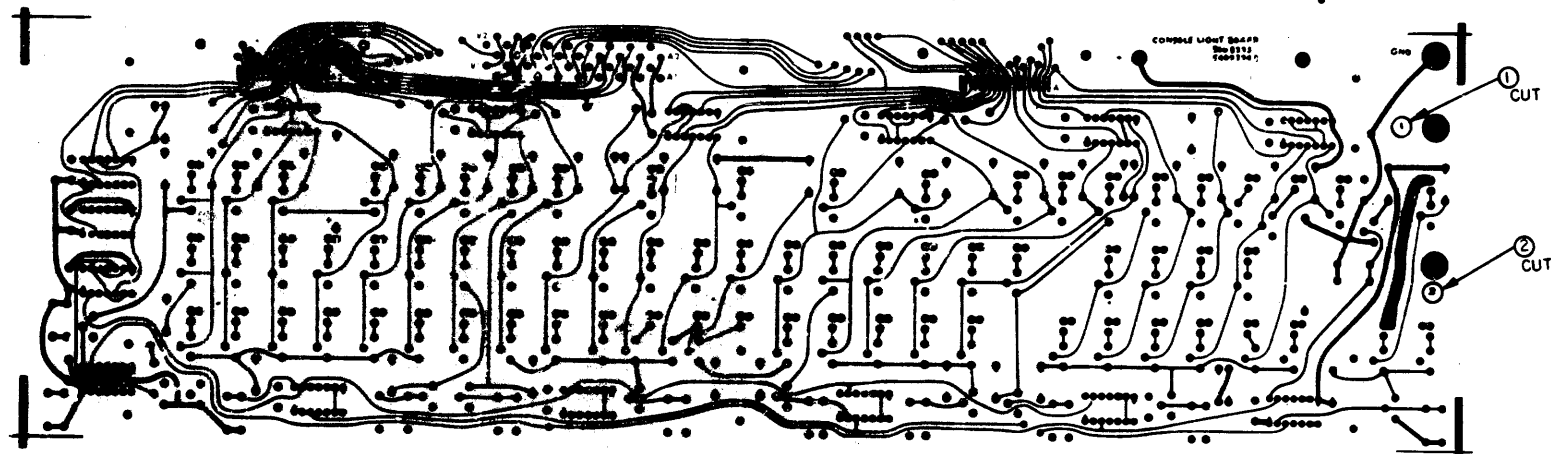
IC TYPE GND +5V

GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPTIONS ARE STATED ABOVE

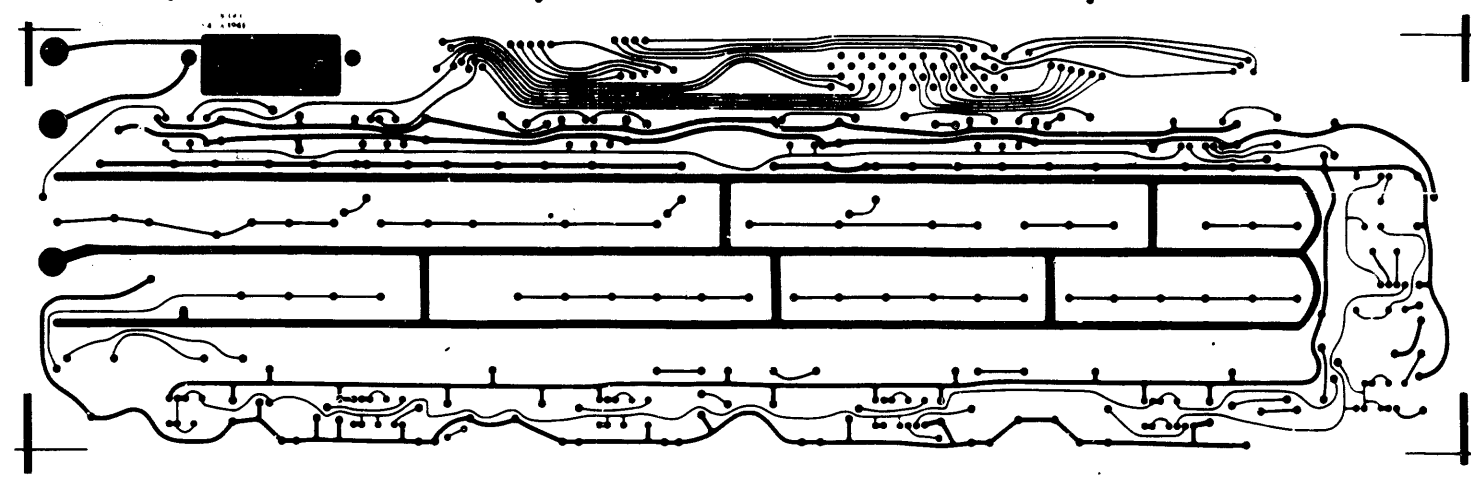
IC PIN LOCATIONS

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1 2 3 4 5 6 7 8
DUA 5408394 YA-0 B



SIDE 2



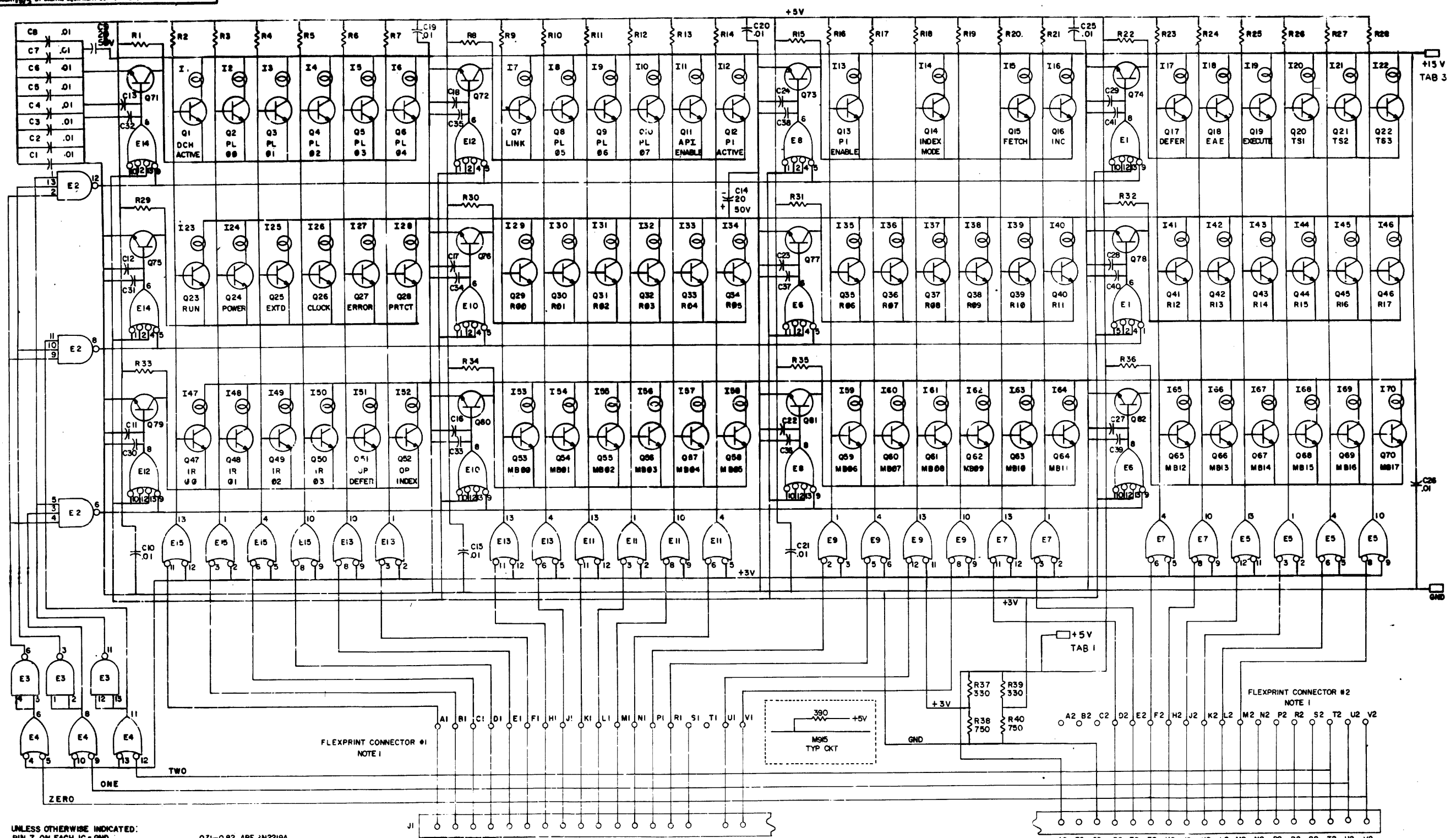
SIDE 1

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	SIZE CODE	NUMBER	REV.
LIGHT BOARD CONSOLE	DUA	5408394 YA-0	B
SCALE	SHEET	OF	
+	3	3	

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5408394-01



UNLESS OTHERWISE INDICATED:
 PIN 7 ON EACH IC = GND
 PIN 14 ON EACH IC = +5V
 E1-E6, E8, E10, E12, E14 ARE DEC7440N
 E2, E3, E4 ARE DEC7410N
 E5, E7, E9, E11, E13, E15 ARE DEC7401N
 CAPACITORS ARE MFD, 100V
 LIGHTS ARE #2335
 RESISTORS ARE 1K, 1/4W, 5%
 TRANSISTORS ARE DEC8531

Q71-Q82 ARE 2N2219A
 C11-C13, C16-C18, C22-C24, C27-C41 ARE .047 MFD 250V
 NOTE 1: THE OTHER END OF FLEXPRINT CABLE IS CONNECTED TO AN 18P. THIS PROVIDES A PULL UP OF 390 OHMS TO +5V FOR EACH LINE.

REVISIONS
 DATE
 BY
 CHKD
 REV

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
2N2219A	2N2219A		
2N2219A	2N2219A		
1N750	1N750		
1N4733	1N4733		

TITLE 5408394		REV	DATE
EQUIPMENT CORPORATION		CS	5408394-YA-0-1
PRINTED CIRCUIT REV.		E	



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THIS IS PRINT SET

SOURCE

SECRET

D-DD-KP15-C	I BUS 08-10-17 SC
D-AD-7010815-0-0	I BUS 18-32 SC
A-PL-7010815-0-0	CONSOLE CONTROL #1
A-WT-7010815-0	CONSOLE CONTROL #2
D-BS-KP15-0-1	MISC CONSOLE LOGIC
D-BS-KP15-0-2	MI CONTROL
D-BS-KP15-C-3	MISC LOGIC
D-BS-KP15-0-4	CP READ IN LOGIC
D-BS-KP15-0-5	DEVICE SELECTOR
D-BS-KP15-0-6	I/O CONTROL SYNC
D-BS-KP15-0-7	I/O BUS BITS 9-17
D-BS-KP15-0-8	I/O BUS BITS 0-8
D-BS-KP15-0-9	IOT & TIME LOGIC
D-BS-KP15-0-10	POWER FAIL R/T CLOCK
D-BS-KP15-0-11	INTERNAL IOT DECODER
D-BS-KP15-C-12	MDL DRIVERS
D-BS-KP15-0-13	I BUS 00-08
D-BS-KP15-0-14	I BUS 09-17
D-BS-KP15-0-15	TELETYPE RECEIVER
D-BS-KP15-0-16	TELETYPE TRANSMITTER
D-BS-KP15-0-17	READ IN
D-BS-KP15-0-18	I/O ADDRESS
D-BS-KP15-C-19	I/O BUS CABLE
D-BS-KP15-0-20	KP15 BLOCK DIAGRAM AND PRINT
D-BS-KP15-C-21	KEY
	PDP15 ADDRESS CALCULATION
D-BS-KP15-0-22	FLOW CHART
D-BS-KP15-0-23	SIGNAL CHART IND BUS
D-BS-KP15-C-24	KEY FLOW
D-BS-KP15-0-25	INTERRUPT FLOW GRAPH
D-BS-KP15-0-26	READ IN FLOW
D-BS-KP15-C-27	INSTRUCTION FLOW CHART
D-BS-KP15-0-28	API/PI TIMING DIAGRAM BUS
D-BS-KP15-0-29	SIGNALS
D-BS-KP15-0-30	CP MEMORY TIMING
D-BS-KP15-C-31	CP-TIMING-COMMON EVENTS
D-BS-KP15-C-32	IOT INSTRUCTION TIMING DIAGRAM
D-BS-KP15-0-33	WIRE LIST
D-ES-KP15-0-34	MODULE UTILIZATION
D-BS-KP15-0-35	MODULE UTILIZATION (P.L.)
D-BS-KP15-0-38	XVM MDL DRIVERS
D-BS-KP15-0-39	
D-BS-KP15-0-40	
D-BS-KP15-0-41	

D-BS-KP15-Ø-42
D-BS-KP15-C-43
D-BS-KP15-Ø-44
D-BS-KP15-C-45
D-BS-KP15-C-46
D-BS-KP15-C-47
D-BS-KP15-Ø-48
D-BS-KP15-Ø-49
D-BS-KP15-Ø-50
D-BS-KP15-C-51
D-BS-KP15-C-52
D-BS-KP15-Ø-53
D-BS-KP15-C-55
D-BS-KP15-C-57
D-BS-KP15-Ø-58
D-BS-KP15-Ø-59
D-BS-KP15-Ø-60
D-BS-KP15-Ø-62
D-BS-KP15-C-64
D-BS-KP15-Ø-65
D-BS-KP15-C-66
D-BS-KP15-C-68
D-IC-KP15-C-69
D-FD-KP15-C-70

D-FD-KP15-C-71

D-FD-KP15-C-72
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D-FD-KP15-C-75
D-FD-KP15-C-76
D-TD-KP15-C-77

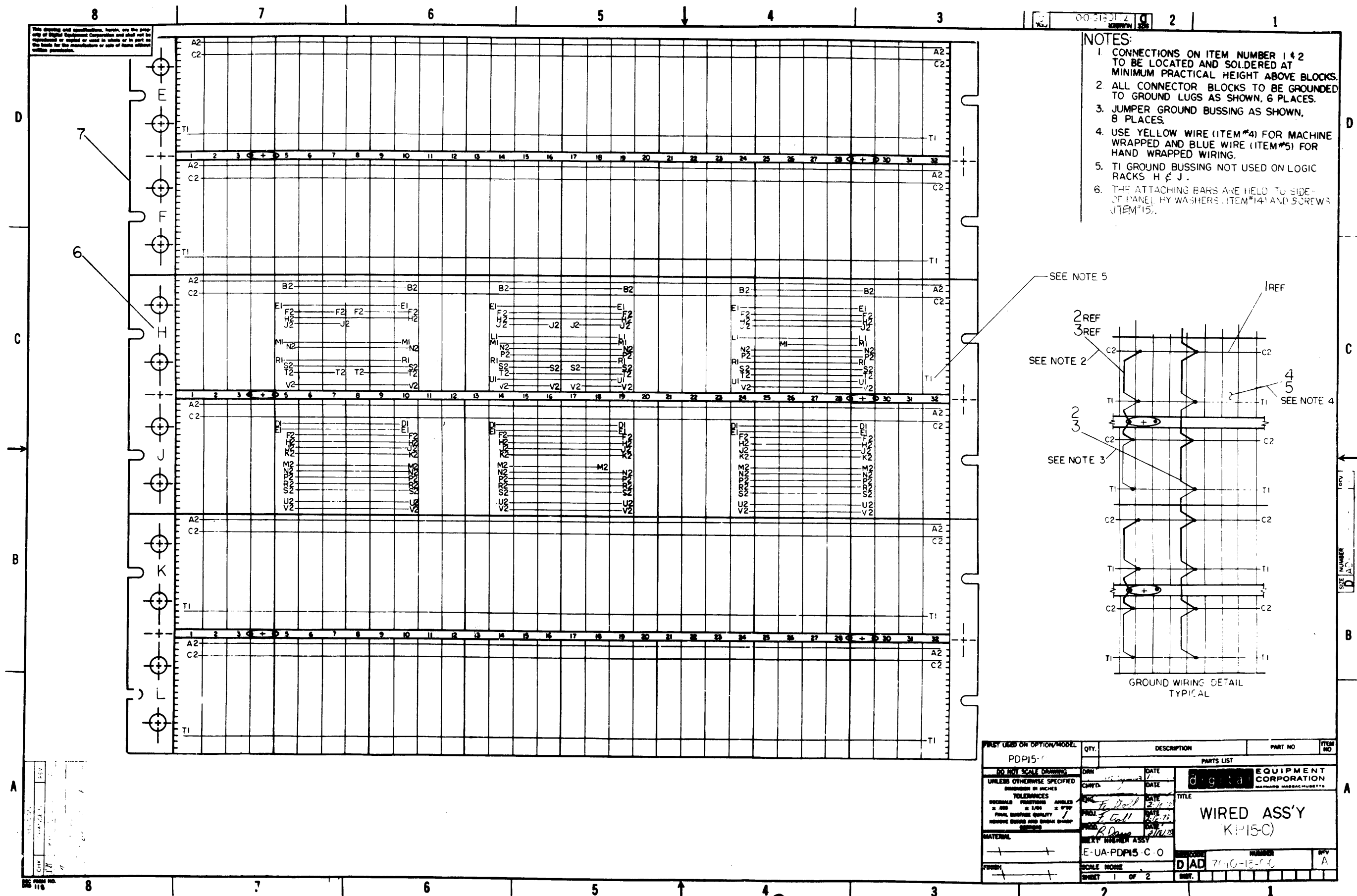
D-TD-KP15-C-78
D-TD-KP15-C-79
D-TD-KP15-C-80
K-WL-KP15-C-101
D-MU-KP15-C-102
A-PL-KP15-C-102
D-BL-KP15-C-59

[illegible]

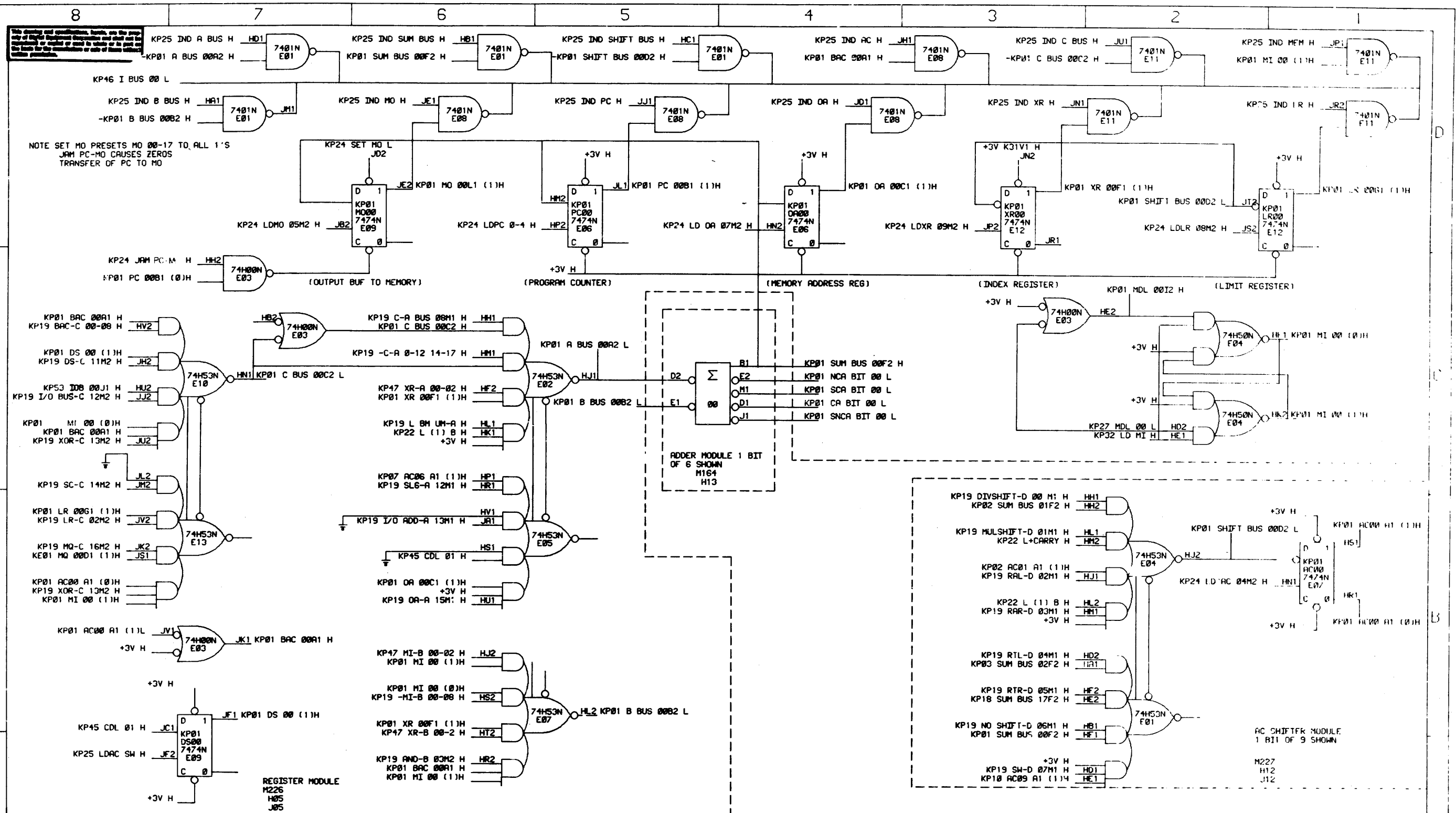
REVISIONS												
DATE	CHG. NO.	REV										
76	KP15-C-1	A										

USED ON OPTION/MODEL		DRN	DATE	TITLE									
PDP15-C		R.W. Counter	3/6/75										
		CHK'D.	DATE										
		Philip Reed	4/25/75										
		PROG. ENG.	DATE										
		F. Dost	4/25/75										
		FRG.	DATE										
		4/25/75	DATE										
		FIELD SERV.	DATE										
		K. Dwyer	4/30/75										
SHEET 1 OF 2				SIZE	CODE	NUMBER				REV			
				B	DD	KP15-C				A			
				DST									

CUSTOMER PRINT SET										ELECTRICAL										CUSTOMER PRINT SET										ELECTRICAL																																							
MFG. SET					FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE	MFG. SET					FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE																																																
X						D-AD-7010815-0-0	#	2	WIRED ASSY KP15-C		X					D-BS-KP15-C-43	*	1	I BUS 18-32 SC																																																		
X						A-PL-7010815-0-0	*	1	WIRED ASSY KP15-C (P.L.)		X					D-BS-KP15-0-44	*	1	CONSOLE CONTROL #1																																																		
X						A-WT-7010815-0	*	1	AWT REVISION STATUS		X					D-BS-KP15-C-45	*	1	CONSOLE CONTROL #2																																																		
X						D-BS-KP15-0-1	#	1	REG & BUS BIT 00		X					D-BS-KP15-C-46	*	1	MISC CONSOLE LOGIC																																																		
X						D-BS-KP15-0-2	#	1	REG & BUS BIT 01		X					D-BS-KP15-C-47	*	1	MT CONTROL																																																		
X						D-BS-KP15-C-3	#	1	REG & BUS BIT 02		X					D-BS-KP15-0-48	*	1	MISC LOGIC																																																		
X						D-BS-KP15-0-4	#	1	REG & BUS BIT 03		X					D-BS-KP15-0-49	*	1	CP READ IN LOGIC																																																		
X						D-BS-KP15-0-5	#	1	REG & BUS BIT 04		X					D-BS-KP15-0-50	*	1	DEVICE SELECTOR																																																		
X						D-BS-KP15-0-6	#	1	REG & BUS BIT 05		X					D-BS-KP15-C-51	*	1	I/O CONTROL SYNC																																																		
X						D-BS-KP15-0-7	#	1	REG & BUS BIT 06		X					D-BS-KP15-C-52	*	1	I/O BUS BITS 9-17																																																		
X						D-BS-KP15-0-8	#	1	REG & BUS BIT 07		X					D-BS-KP15-0-53	*	1	I/O BUS BITS 0-8																																																		
X						D-BS-KP15-0-9	#	1	REG & BUS BIT 08		X					D-BS-KP15-C-55	*	1	IOT & TIME LOGIC																																																		
X						D-BS-KP15-0-10	#	1	REG & BUS BIT 09		X					D-BS-KP15-C-57	*	1	POWER FAIL R/T CLOCK																																																		
X						D-BS-KP15-0-11	#	1	REG & BUS BIT 10		X					D-BS-KP15-0-58	*	1	INTERNAL IOT DECODER																																																		
X						D-BS-KP15-C-12	#	1	REG & BUS BIT 11		X					D-BS-KP15-0-59	*	1	MDL DRIVERS																																																		
X						D-BS-KP15-0-13	#	1	REG & BUS BIT 12		X					D-BS-KP15-0-60	*	1	I BUS 00-08																																																		
X						D-BS-KP15-0-14	#	1	REG & BUS BIT 13		X					D-BS-KP15-0-62	*	1	I BUS 09-17																																																		
X						D-BS-KP15-0-15	#	1	REG & BUS BIT 14		X					D-BS-KP15-C-64	*	1	TELETYPE RECEIVER																																																		
X						D-BS-KP15-0-16	#	1	REG & BUS BIT 15		X					D-BS-KP15-0-65	*	1	TELETYPE TRANSMITTER																																																		
X						D-BS-KP15-0-17	#	1	REG & BUS BIT 16		X					D-BS-KP15-C-66	*	1	READ IN																																																		
X						D-BS-KP15-0-18	#	1	REG & BUS BIT 17		X					D-BS-KP15-C-68	*	1	I/O ADDRESS																																																		
X						D-BS-KP15-C-19	#	1	MAJOR BUS CONTROL LOGIC		X					D-IC-KP15-C-69	*	1	I/O BUS CABLE																																																		
X						D-BS-KP15-0-20	#	1	MAJOR STATE GENERATOR		X					D-FD-KP15-C-70	*	1	KP15 BLOCK DIAGRAM AND PRINT																																																		
X						D-BS-KP15-C-21	#	1	TIME STATE GENERATOR WITH START STOP CONTROL		X					D-FD-KP15-C-71	*	1	KEY																																																		
X						D-BS-KP15-0-22	#	1	LINK-LINK CONTROL		X					D-FD-KP15-C-72	*	1	PDP15 ADDRESS,CALCULATION FLOW CHART																																																		
X						D-BS-KP15-0-23	#	1	SKIP CONTROL		X					D-FD-KP15-C-73	*	1	SIGNAL CHART IND BUS																																																		
X						D-BS-KP15-C-24	#	1	REGISTER STROBE		X					D-FD-KP15-C-74	*	1	KEY FLOW																																																		
X						D-BS-KP15-0-25	#	1	INDICATOR STROBES		X					D-FD-KP15-C-75	*	1	INTERRUPT FLOW GRAPH																																																		
X						D-BS-KP15-0-26	#	1	MEMORY MPX		X					D-FD-KP15-C-76	*	1	READ IN FLOW																																																		
X						D-BS-KP15-C-27	#	1	C/P MEMORY INTERFACE CABLE		X					D-FD-KP15-C-77	*	1	INSTRUCTION FLOW CHART																																																		
X						D-BS-KP15-0-28	#	1	OPR DECODING		X					D-TD-KP15-C-77	*	1	API/PI TIMING DIAGRAM BUS SIGNALS																																																		
X						D-BS-KP15-0-29	#	1	INDEX INSTRUCTION BUS CONTROL																																																												
X						D-BS-KP15-0-30	#	1	MAJOR INST DECODING		X					D-TD-KP15-C-78	*	1	CP MEMORY TIMING																																																		
X						D-BS-KP15-C-31	#	1	INSTR REGISTER		X					D-TD-KP15-C-79	*	1	CP-TIMING-COMMON EVENTS																																																		
X						D-BS-KP15-C-32	#	1	MEMORY INTERFACE CONTROL		X					D-TD-KP15-C-80	*	1	IOT INSTRUCTION TIMING DIAGRAM																																																		
X						D-BS-KP15-0-33	#	1	DETECT X MODE & CBUS		X					K-WL-KP15-C-101	*	1	WIRE LIST																																																		
X						D-BS-KP15-0-34	#	1	CONSOLE INTERFACE		X					D-MU-KP15-C-102	*	4	MODULE UTILIZATION																																																		
X						D-BS-KP15-0-35	#	1	INTERRUPT CONTROL LOGIC		X					A-PL-KP15-C-102	*	3	MODULE UTILIZATION (P.L.)																																																		
X						D-BS-KP15-0-38	#	1	I BUS 00-08		X					D-BS-KP15-C-59	#	1	XUM MDL DRIVERS																																																		
X						D-BS-KP15-0-39	#	1	I BUS 00-08																																																												
X						D-BS-KP15-0-40	#	1	I BUS 09-17 M0,M1,M2																																																												
X						D-BS-KP15-0-41	#	1	I BUS 09-17																																																												
X						D-BS-KP15-0-42	#	1	I BUS 08-10-17 SC																																																												
CUSTOMER PRINT SET CODES										X = PRINT OF DOCUMENT INCLUDED IN PRINT SET C = INCLUDES ALL PRINTS INDICATED ON DOCUMENT S = CONFIDENTIAL AUTHORIZED SIGNATURE REQUIRED										TITLE KP15-C I/O & CP										SHEET 2 OF 2										SIZE CODE B DD										NUMBER KP15-C										REV A									

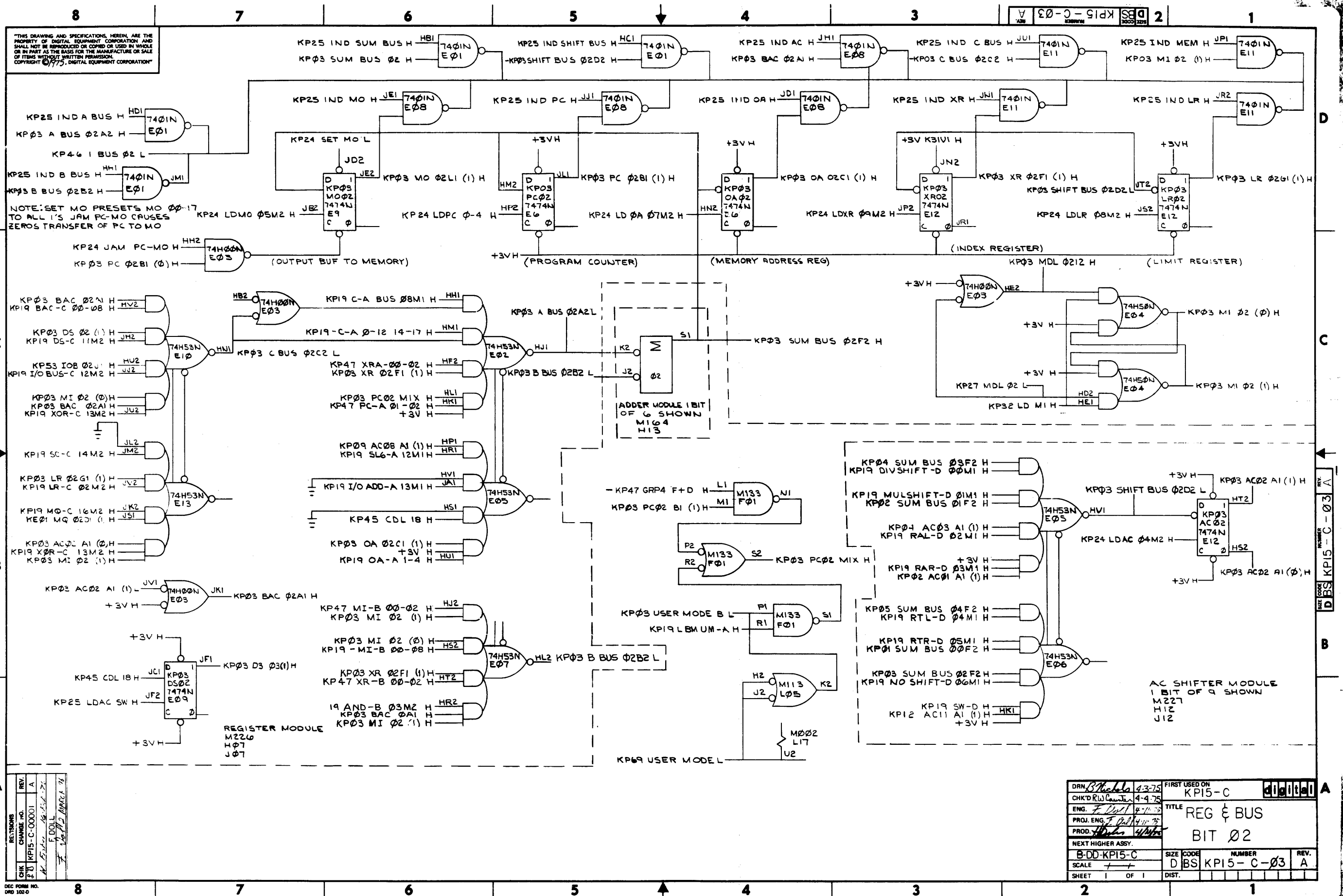


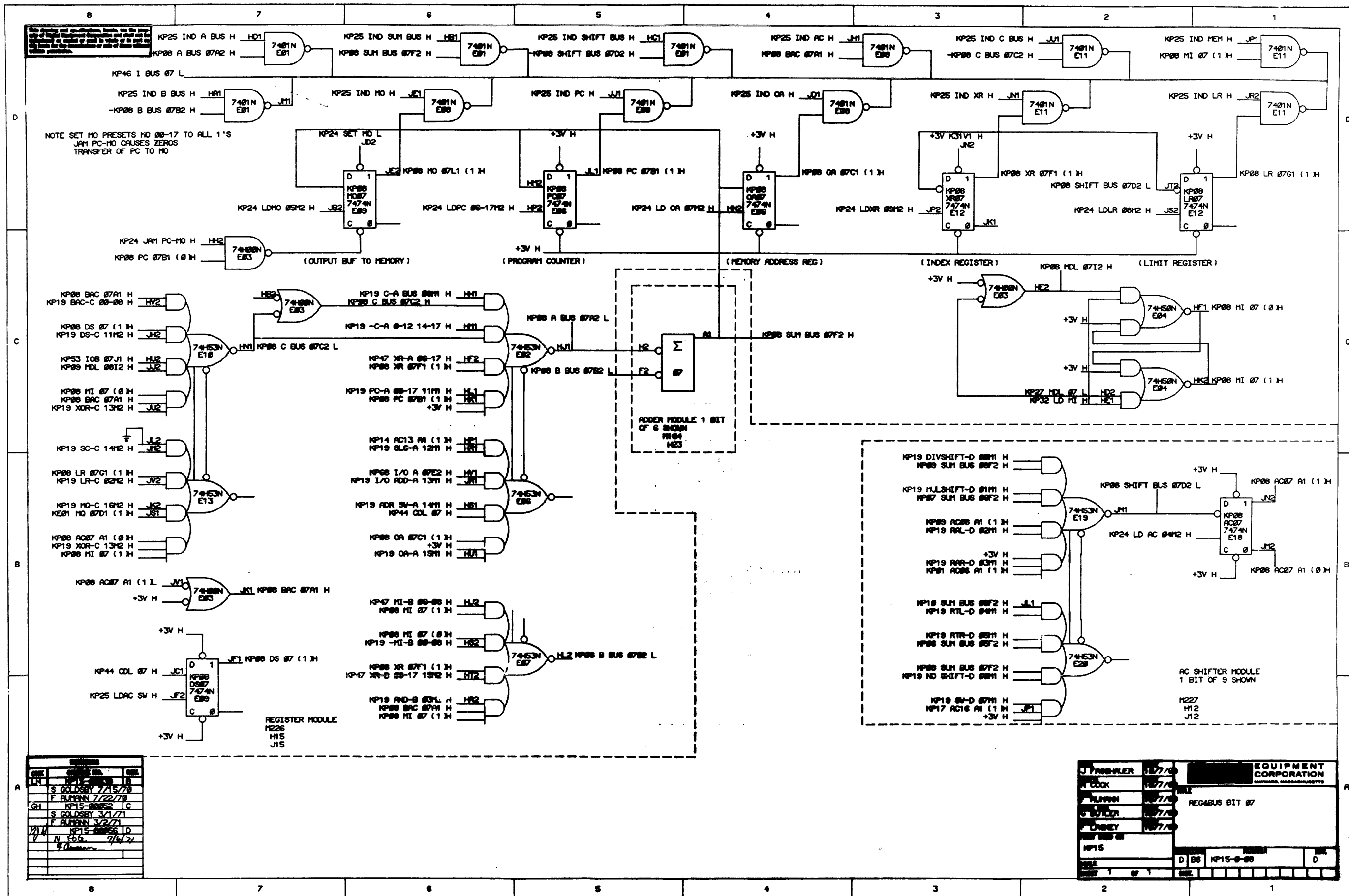
DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS					QUANTITY / VARIATION														
PARTS LIST																			
MADE BY <i>R. W. Counter</i>			CHECKED <i>Barthel</i>		SECTION														
DATE <i>3/6/75</i>			DATE <i>3/6/75</i>																
ENG <i>Fred Gold</i>			PROD <i>Paul Davis</i>		ISSUED SECT.														
DATE <i>2-17-75</i>			DATE <i>2-17-75</i>																
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION																	
1	9008428	BUS STRIP			A/R														
2	9107560-1	#22 AWG BUS WIRE			A/R														
3	9107256-09	#22 TUBING, TEFLON, WHITE			A/R														
4	9105740-44	#30 AWG SOLID KYNAR INS. WIRE, YELLOW			A/R														
5	9105740-66	#30 AWG SOLID KYNAR INS. WIRE, BLUE			A/R														
6	A-DC-7406371-0-0	LOGIC FRAME DECALS			A/R														
7	D-AD-5404491-0-0	H911 MTG PANEL			4														
8	9107688-22	#24 AWG SOLID KYNAR, RED			A/R														
9	9107688-00	#24 AWG SOLID KYNAR, BLK			A/R														
10	A-WT-7010815-0	KP15-C AWT REVISION STATUS			REF														
11	5508153-05	BAR, ATTACHING			1														
12	5508153-06	BAR, ATTACHING			1														
13	9006073-01	SCR, PHL HD 10/32 x 1/2			8														
14	9006669	WASHER, FLAT			8														
15	A-DC-7411881-01	DECAL			1														
REF	K-WL-KP15-C-101	WIRE LIST																	
TITLE		ASSY NO.		SIZE	CODE	NUMBER			REV.	ECO NO.									
WIRED ASSY (KP15-C)		D-AD-7010815-0-0		A	PL	7010815-0-0			A	KP15-C									
		SHEET 1 OF 1		DIST.															

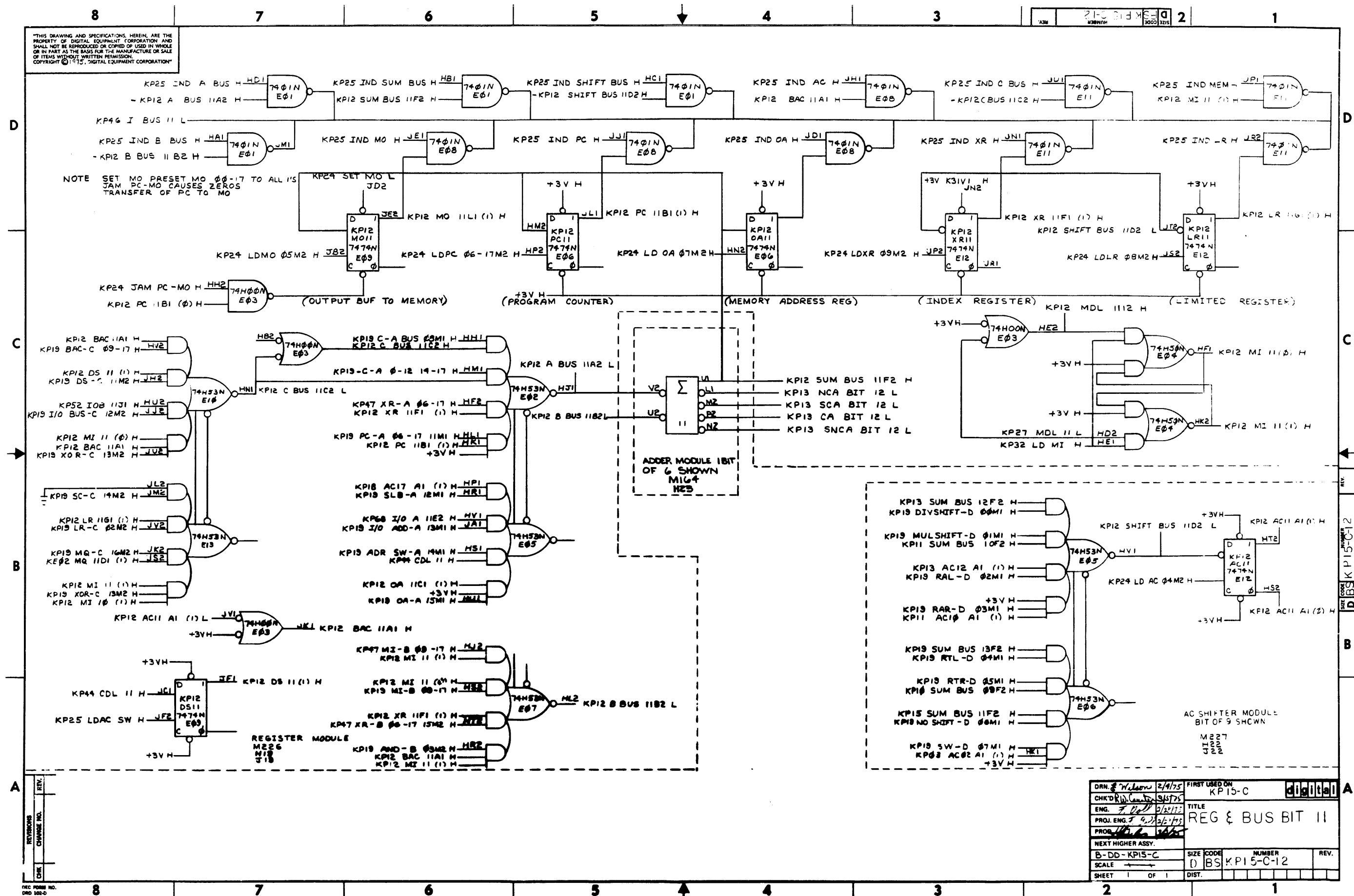


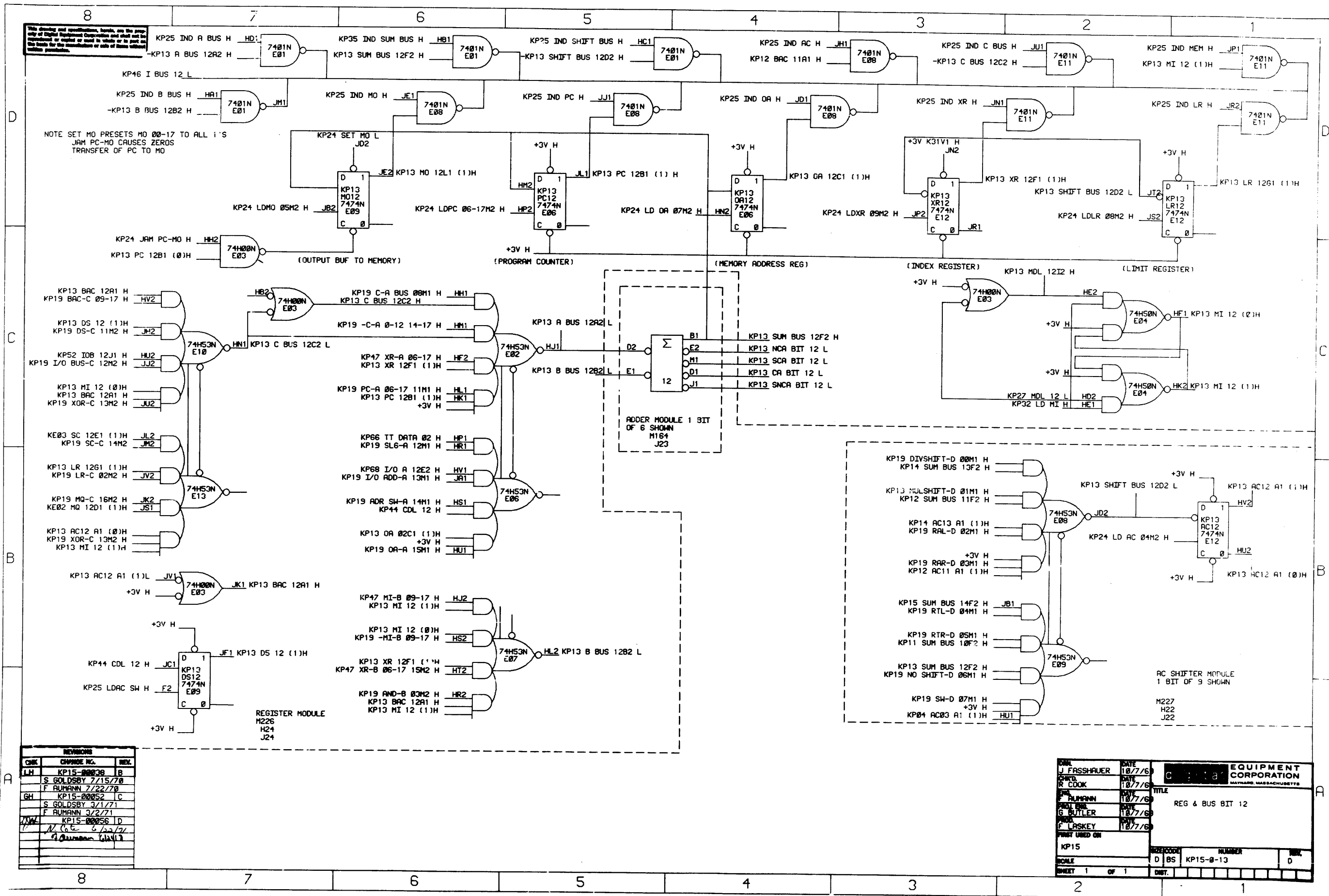
REVISIONS				REVISIONS			
CHK	CHANGE NO.	REV	DATE	CHK	CHANGE NO.	REV	DATE
LH	KP15-00038	D	7-14-70	F	KP15 00082	J	
S	GOLDSBY		7-14-70				
F	RUMANN		7-22-70				
GH	KP15-00046	E					
K	WALSH		12/11/70				
F	RUMANN		12/11/70				
GH	KP15-00052	F					
S	GOLDSBY		3/1/71				
F	RUMANN		3/2/71				
LH	KP15-00056	H					

EQUIPMENT CORPORATION MARTINE, MASSACHUSETTS	
DATE	11-7-6
BY	N. REAULT
DATE	11-7-6
BY	F. RUMANN
DATE	11-7-6
BY	G. BUTLER
DATE	11-7-6
BY	J. LASKEY
DATE	11-7-6
PART USED ON	
KP15	
SCALE	D BS
SHEET	1 OF 1
REV.	



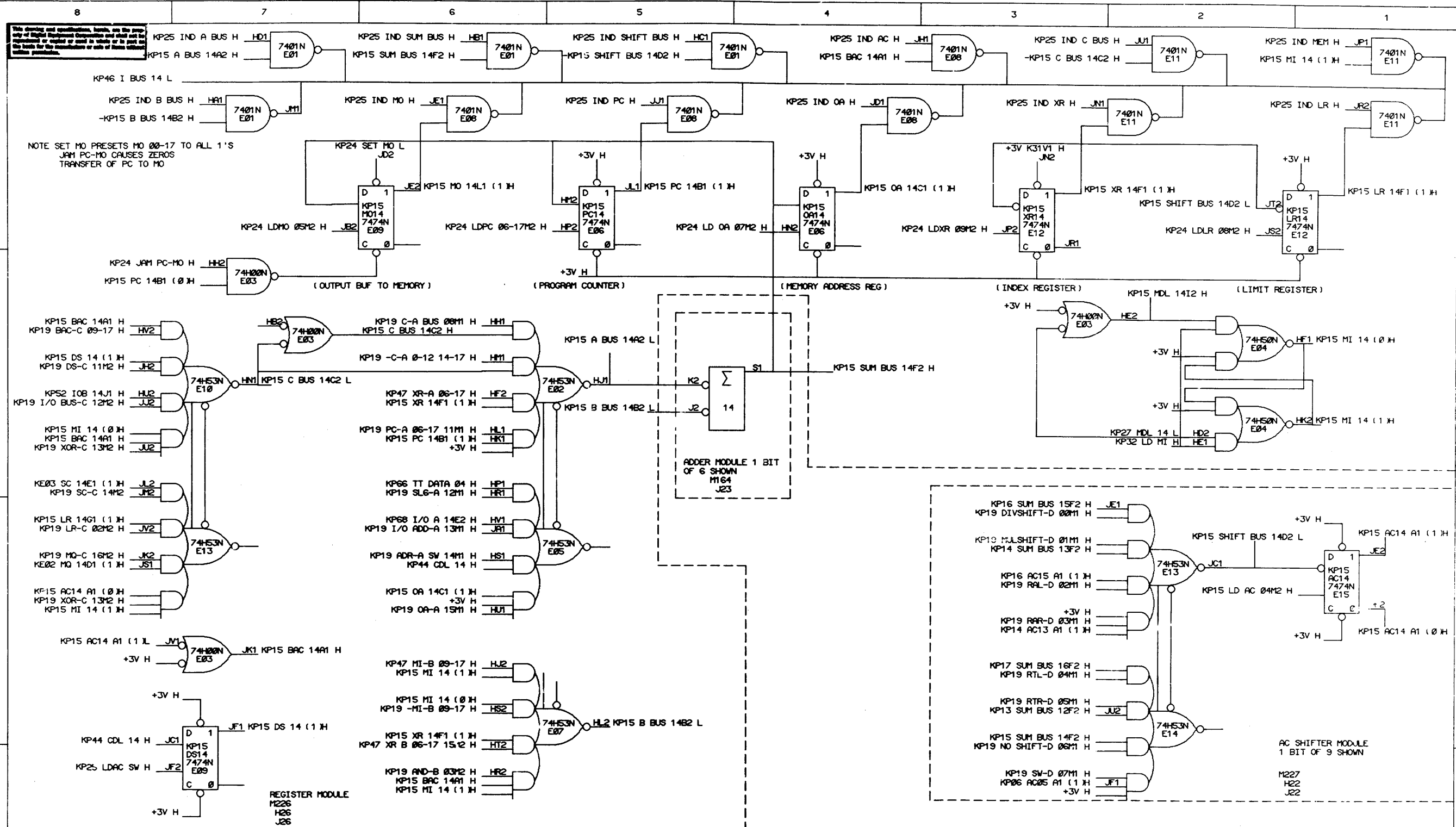






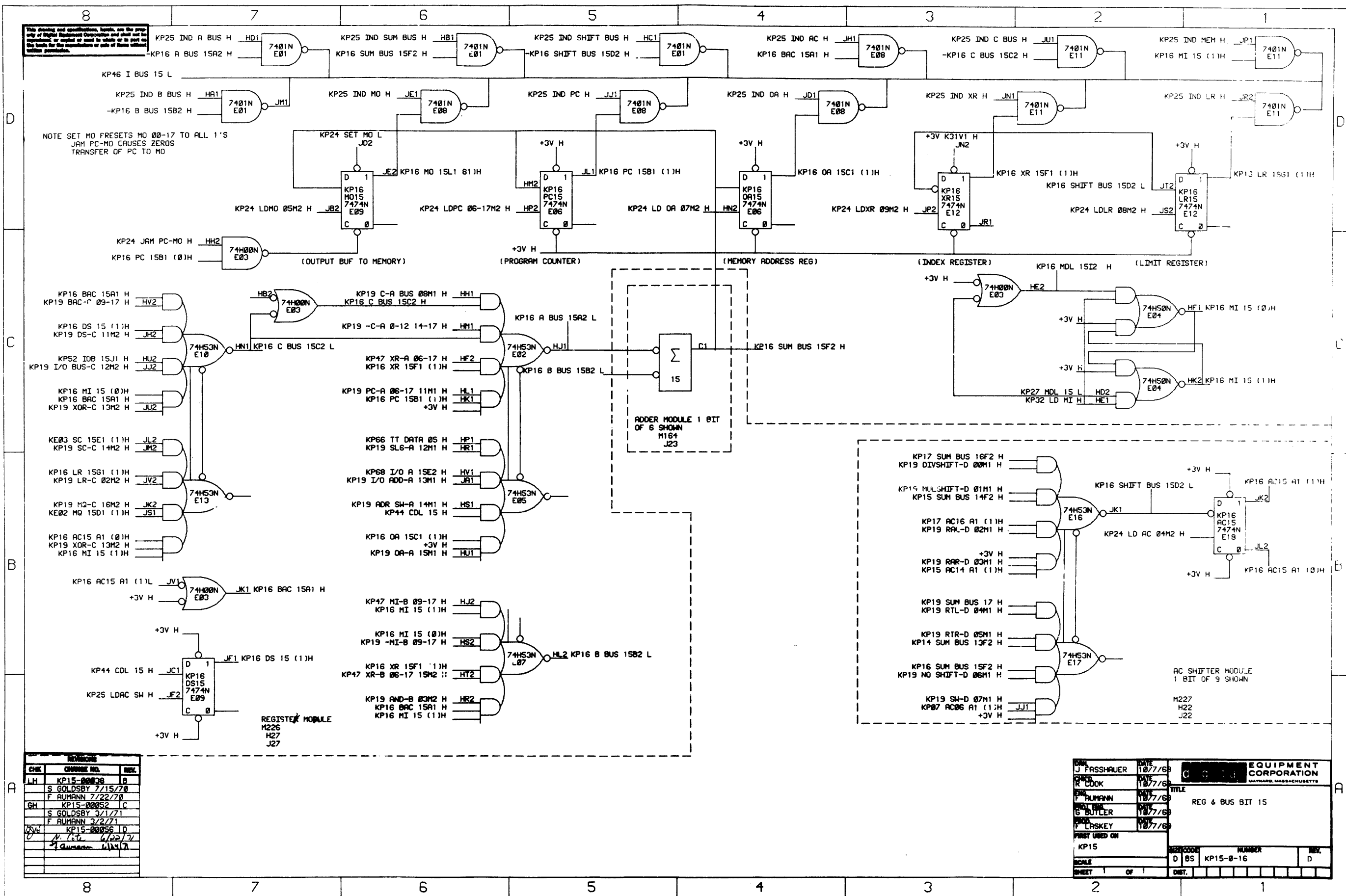
CHK	CHANGE NO.	REV.
LH	KP15-00038	B
S	GOLDSBY 7/15/70	
F	BUMANN 7/22/70	
GH	KP15-00052	C
S	GOLDSBY 3/1/71	
F	BUMANN 3/2/71	
WV	KP15-00056	D
M	CoE 6/22/71	
A	Bummann 6/24/71	

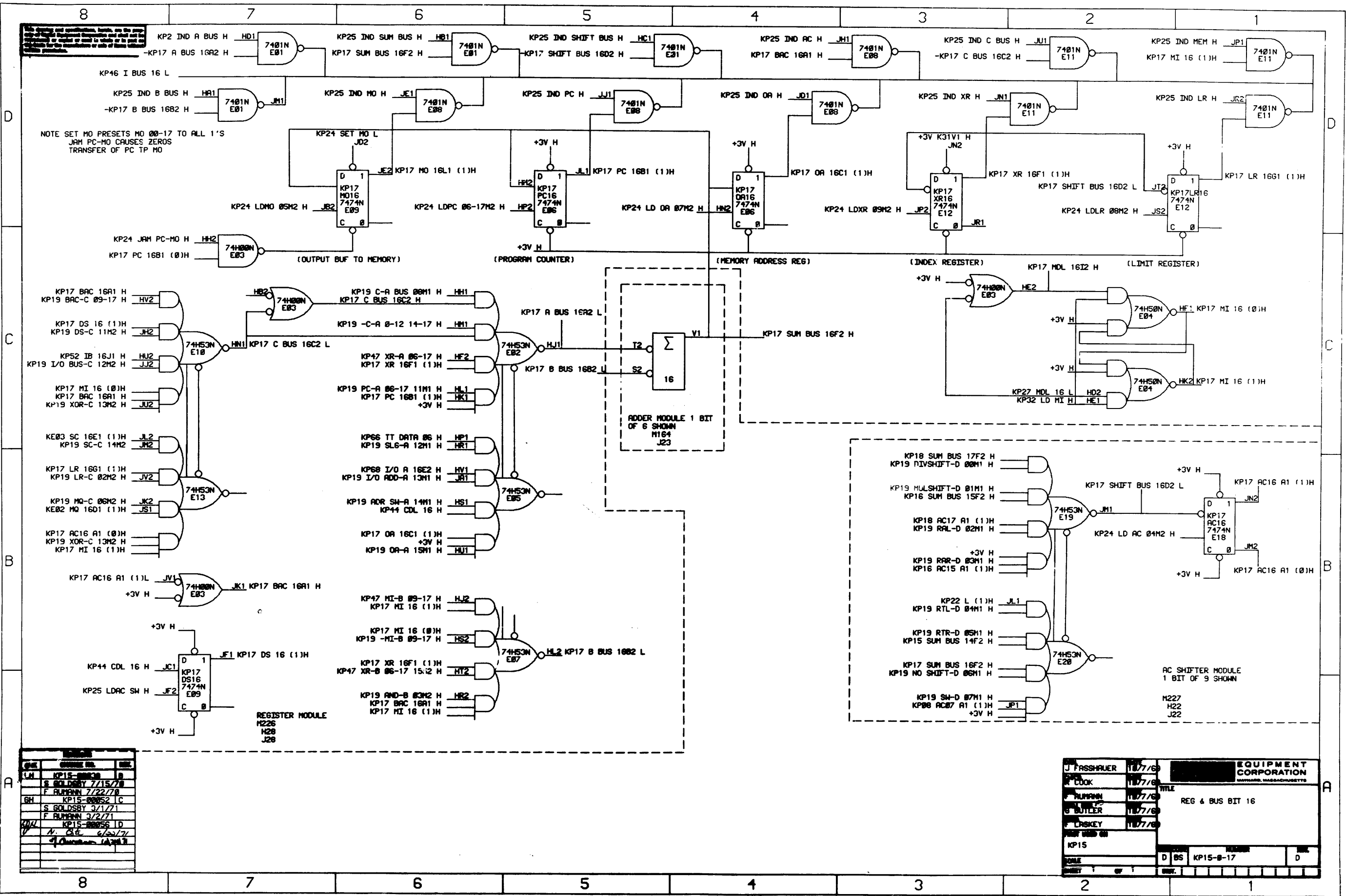
DATE	10/7/69	EQUIPMENT CORPORATION MAYFIELD, MASSACHUSETTS
DATE	10/7/69	
DATE	10/7/69	
DATE	10/7/69	
TITLE		REG & BUS BIT 12
PART USED ON		
SCALE		D BS KP15-0-13
SHEET 1 OF 1		



CHK	DATE	BY
1	10/7/69	B
2	10/7/69	B
3	10/7/69	B
4	10/7/69	B
5	10/7/69	B
6	10/7/69	B
7	10/7/69	B
8	10/7/69	B
9	10/7/69	B
10	10/7/69	B
11	10/7/69	B
12	10/7/69	B
13	10/7/69	B
14	10/7/69	B
15	10/7/69	B
16	10/7/69	B
17	10/7/69	B
18	10/7/69	B
19	10/7/69	B
20	10/7/69	B

DATE	BY	REVISION
10/7/69	B	1
10/7/69	B	2
10/7/69	B	3
10/7/69	B	4
10/7/69	B	5
10/7/69	B	6
10/7/69	B	7
10/7/69	B	8
10/7/69	B	9
10/7/69	B	10
10/7/69	B	11
10/7/69	B	12
10/7/69	B	13
10/7/69	B	14
10/7/69	B	15
10/7/69	B	16
10/7/69	B	17
10/7/69	B	18
10/7/69	B	19
10/7/69	B	20

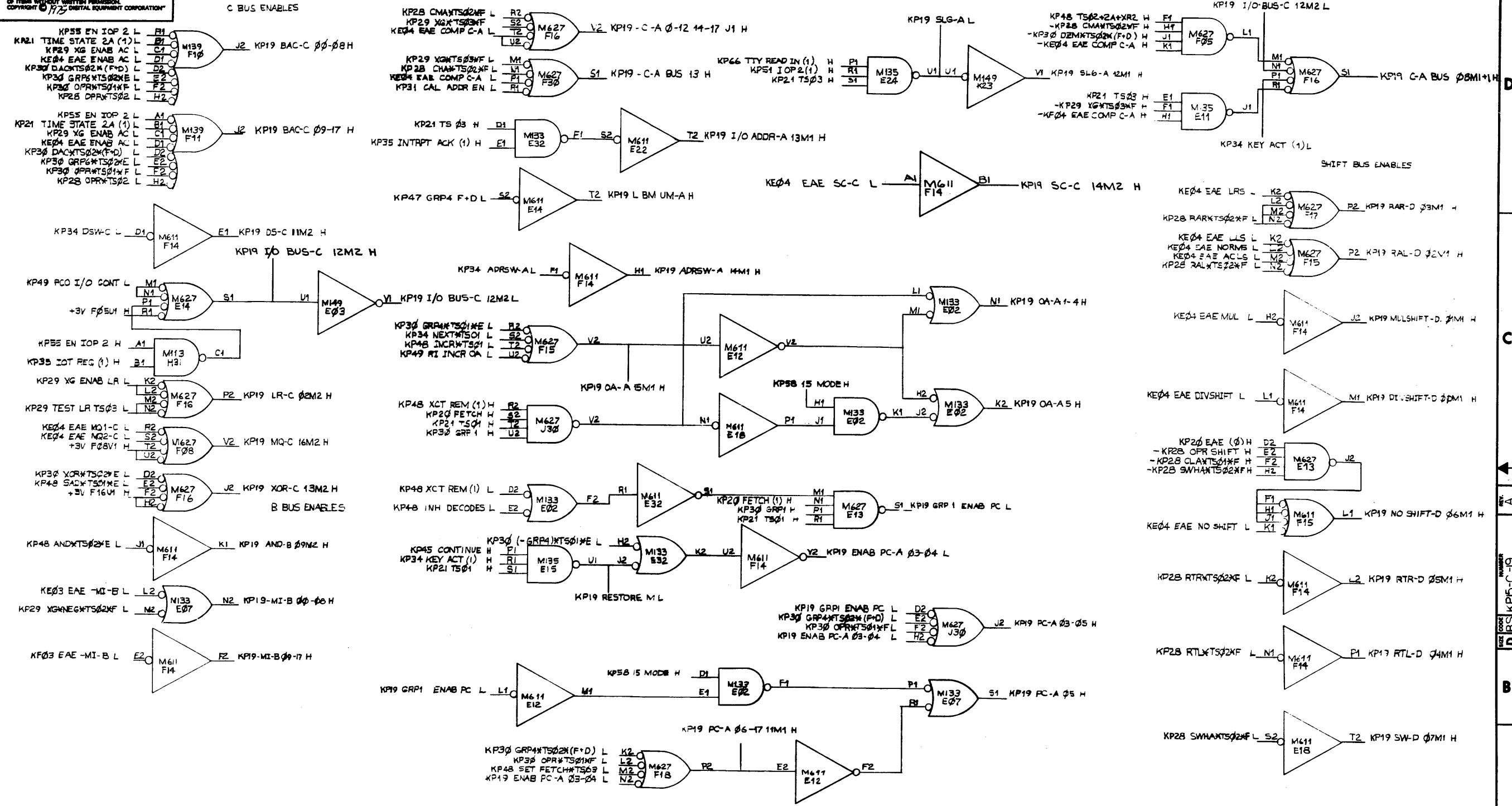




REV	DESCRIPTION	DATE
1	REVISED	7/15/70
2	REVISED	7/22/70
3	REVISED	3/1/71
4	REVISED	3/2/71
5	REVISED	6/22/71

J FRASCHUER	11/7/69	[REDACTED] EQUIPMENT CORPORATION BARTON, MASSACHUSETTS		
A COOK	11/7/69			
F RUMANN	11/7/69			
G BUTLER	11/7/69			
F LASKY	11/7/69			
REVISED ON		TITLE REG & BUS BIT 16		
KP15				
DATE	D	BS	NUMBER KP15-8-17	REV. D
PAGE 1 OF 1		[REDACTED]		

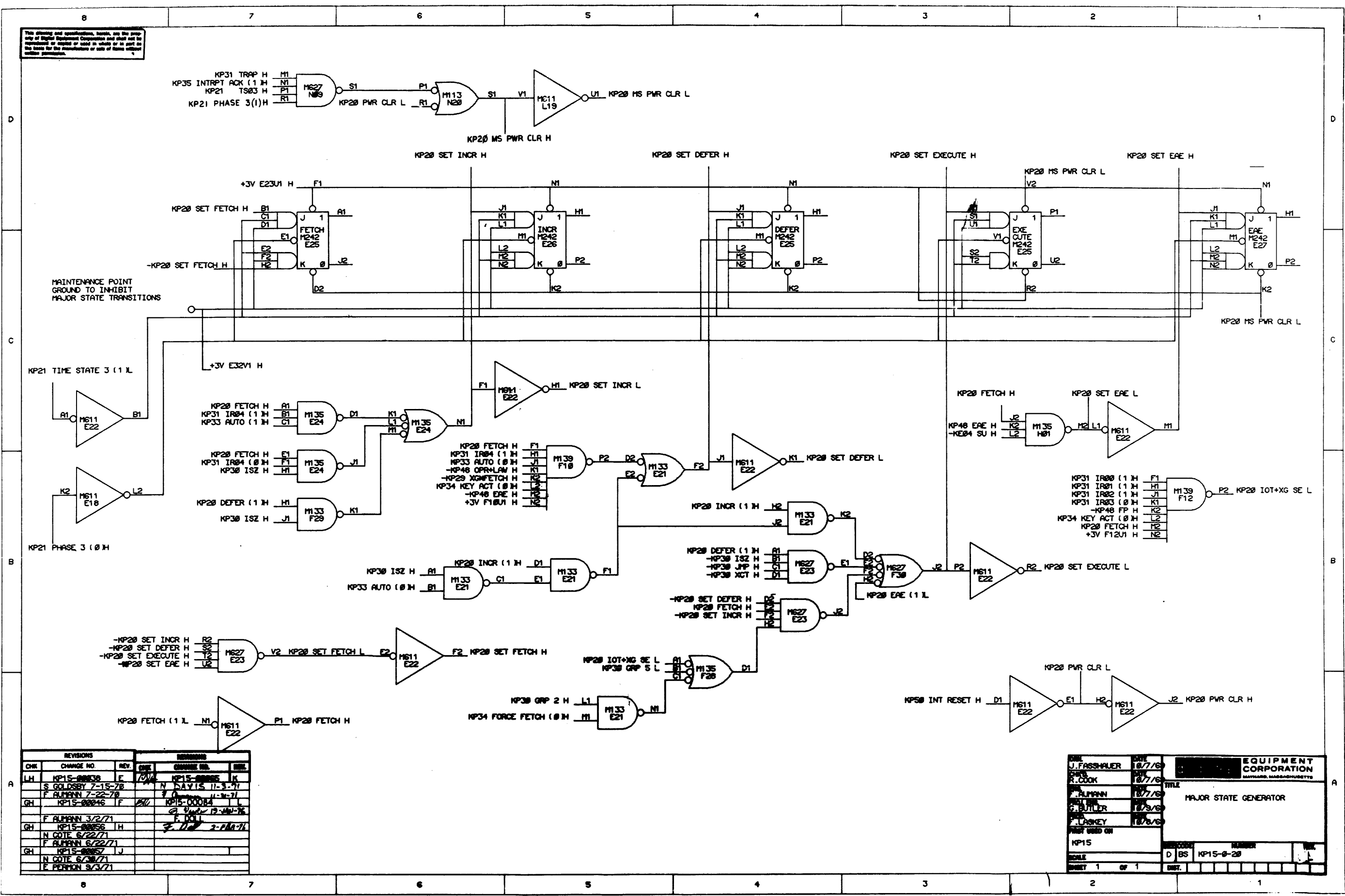
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REV.	CHG.	DATE	BY	CHK.
1		10/1/75	W. J. L.	
2		10/1/75	W. J. L.	
3		10/1/75	W. J. L.	
4		10/1/75	W. J. L.	
5		10/1/75	W. J. L.	
6		10/1/75	W. J. L.	
7		10/1/75	W. J. L.	
8		10/1/75	W. J. L.	

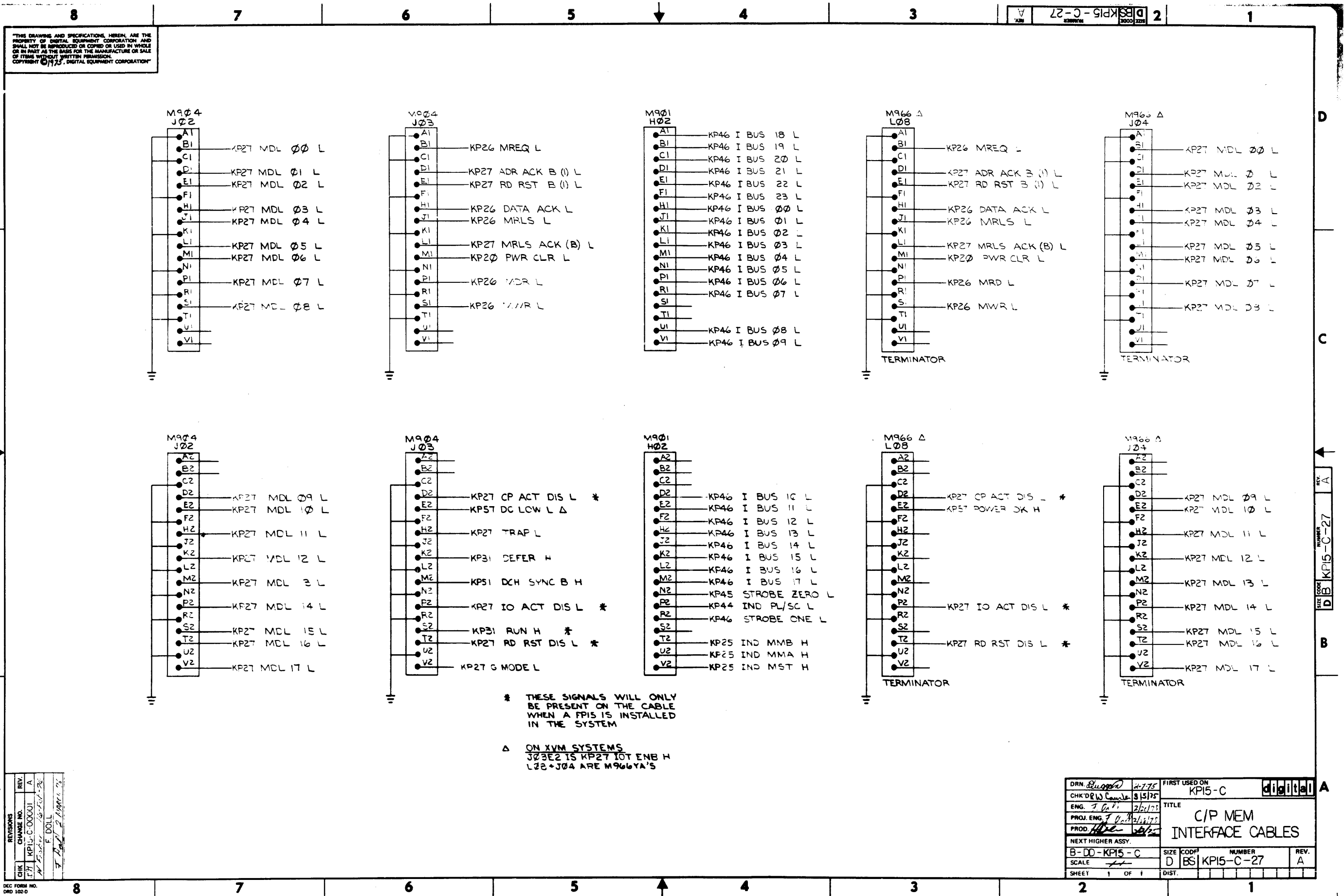
OWN. <i>W. J. L.</i>	2/1/75	FIRST USED ON	KP15-C
CHK'D <i>W. J. L.</i>	2/1/75	TITLE	MAJOR BUS CONTROL LOGIC
ENGR. <i>W. J. L.</i>	2/1/75	SCALE	1 OF 1
PHYS. ENG. <i>W. J. L.</i>	2/1/75	SHEET	1 OF 1
PROD. <i>W. J. L.</i>	2/1/75	REV.	A
NEXT HIGHER ASSY.			
B-DD-KP15-C			
SCALE			
SHEET			

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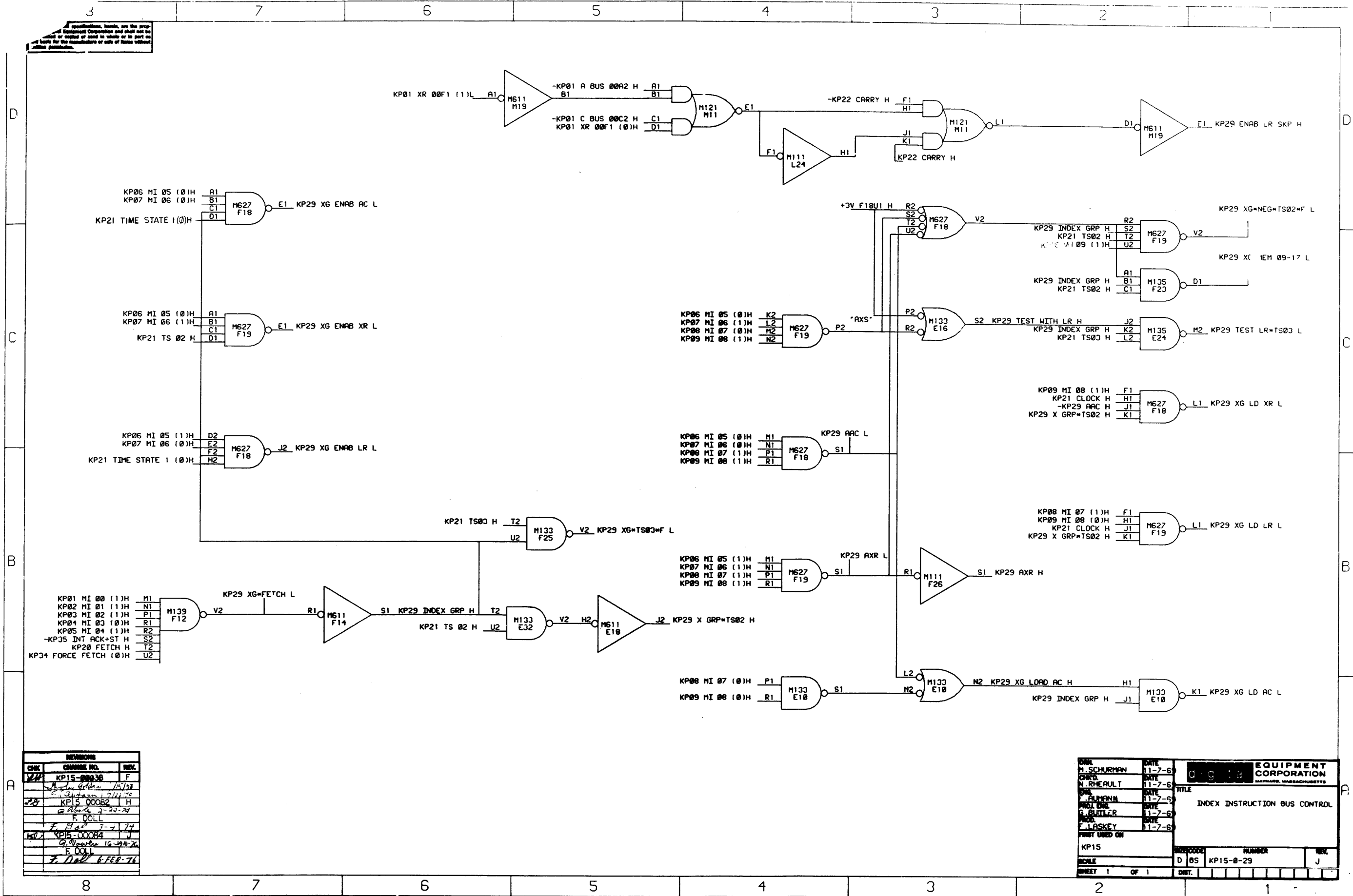


REVISIONS			REVISIONS		
CHK	CHANGE NO.	REV.	CHK	CHANGE NO.	REV.
LH	KP15-00038	E	LH	KP15-00038	K
S	GOLDSBY 7-15-70		S	DAVIS 11-3-71	
F	ALMANN 7-22-70		F	ALMANN 11-3-71	
GH	KP15-00046	F	GH	KP15-00084	L
				ALMANN 12-14-76	
				F. DILL	
				F. DILL 2-16-76	
GH	KP15-00056	H			
N	COTE 6/22/71				
F	ALMANN 6/22/71				
GH	KP15-00057	J			
N	COTE 6/30/71				
E	PERSON 9/3/71				

NAME	DATE		EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
J. FASHAUER	8/7/68			
NAME	DATE			
R. COOK	8/7/68			
TITLE				
F. ALMANN	8/7/68	MAJOR STATE GENERATOR		
NAME	DATE			
G. BUTLER	10/9/68			
NAME	DATE			
F. LASKY	10/8/68			
PART USED ON				
KP15				
SCALE	D BS	KP15-0-20	REV	
SHEET 1 OF 1		ENST.		



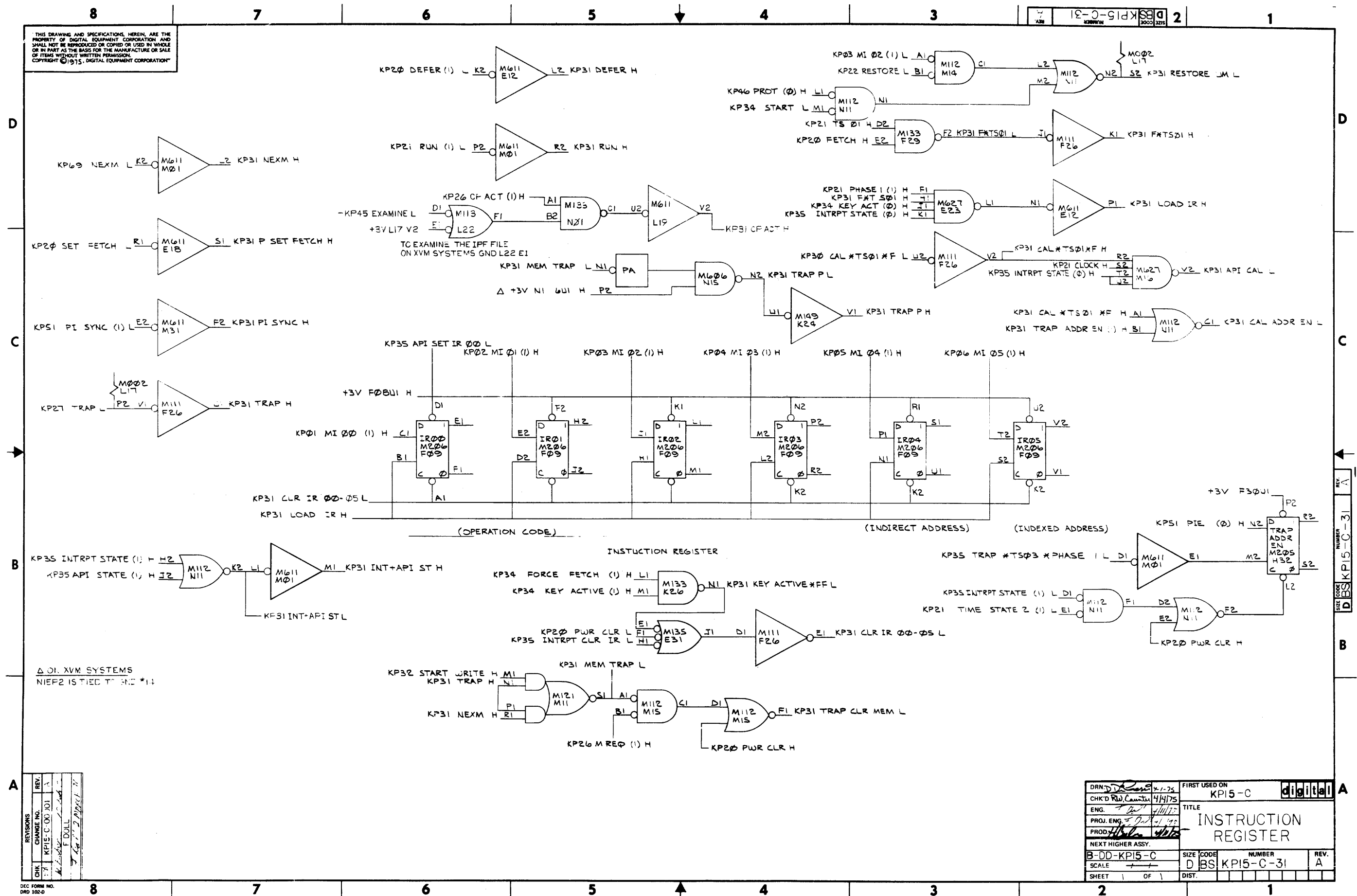
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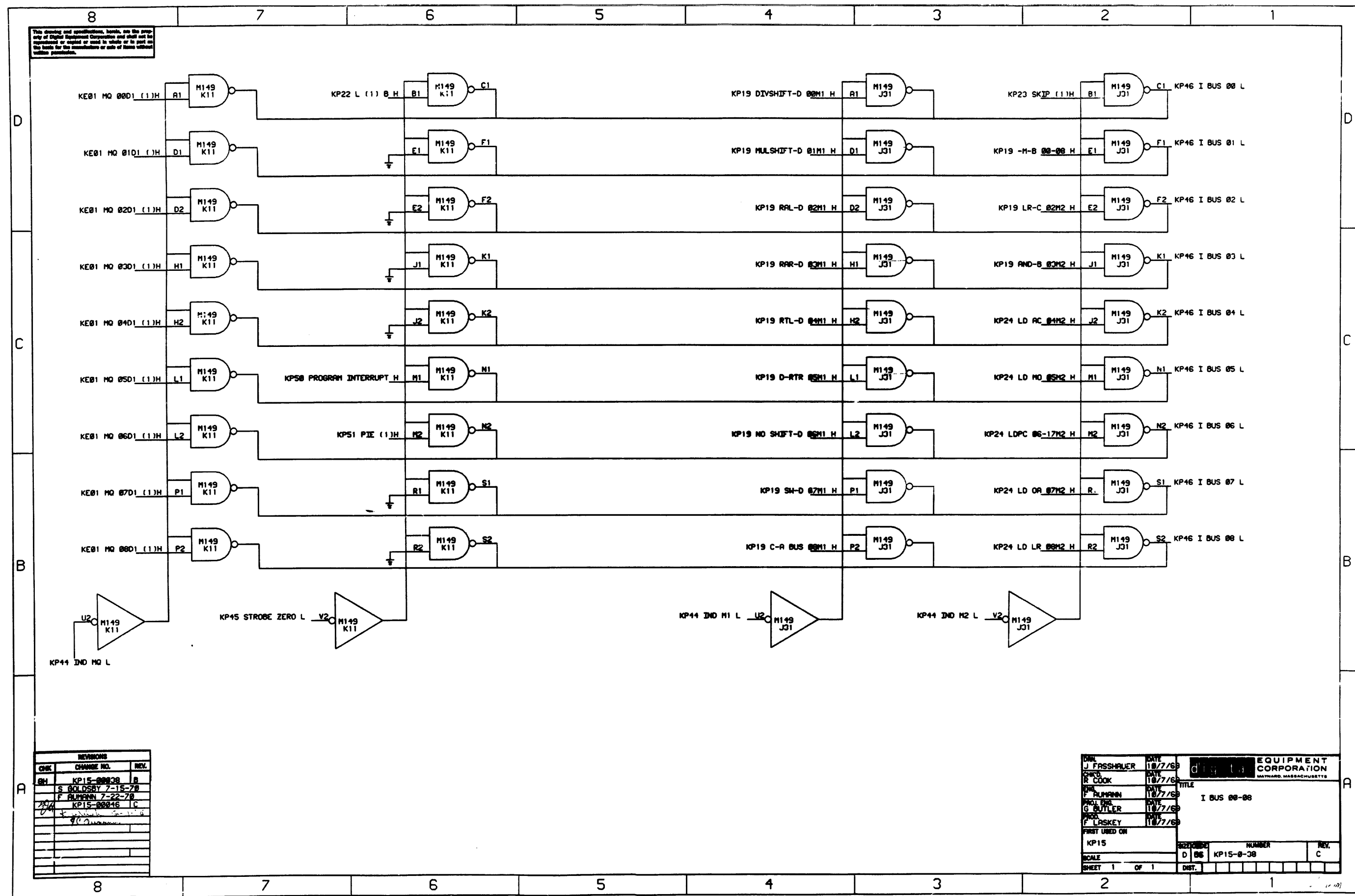


CHK	REVISION	DATE
1	KP15-00038	F
2	KP15-00038	H
3	KP15-00038	H
4	KP15-00038	H
5	KP15-00038	H
6	KP15-00038	H
7	KP15-00038	H
8	KP15-00038	H
9	KP15-00038	H
10	KP15-00038	H

DATE	11-7-6	EQUIPMENT CORPORATION MILWAUKEE, WISCONSIN
DATE	11-7-6	
DATE	11-7-6	INDEX INSTRUCTION BUS CONTROL
DATE	11-7-6	
DATE	11-7-6	PRINT USED ON
DATE	11-7-6	
DATE	11-7-6	NUMBER
DATE	11-7-6	
DATE	11-7-6	J
DATE	11-7-6	

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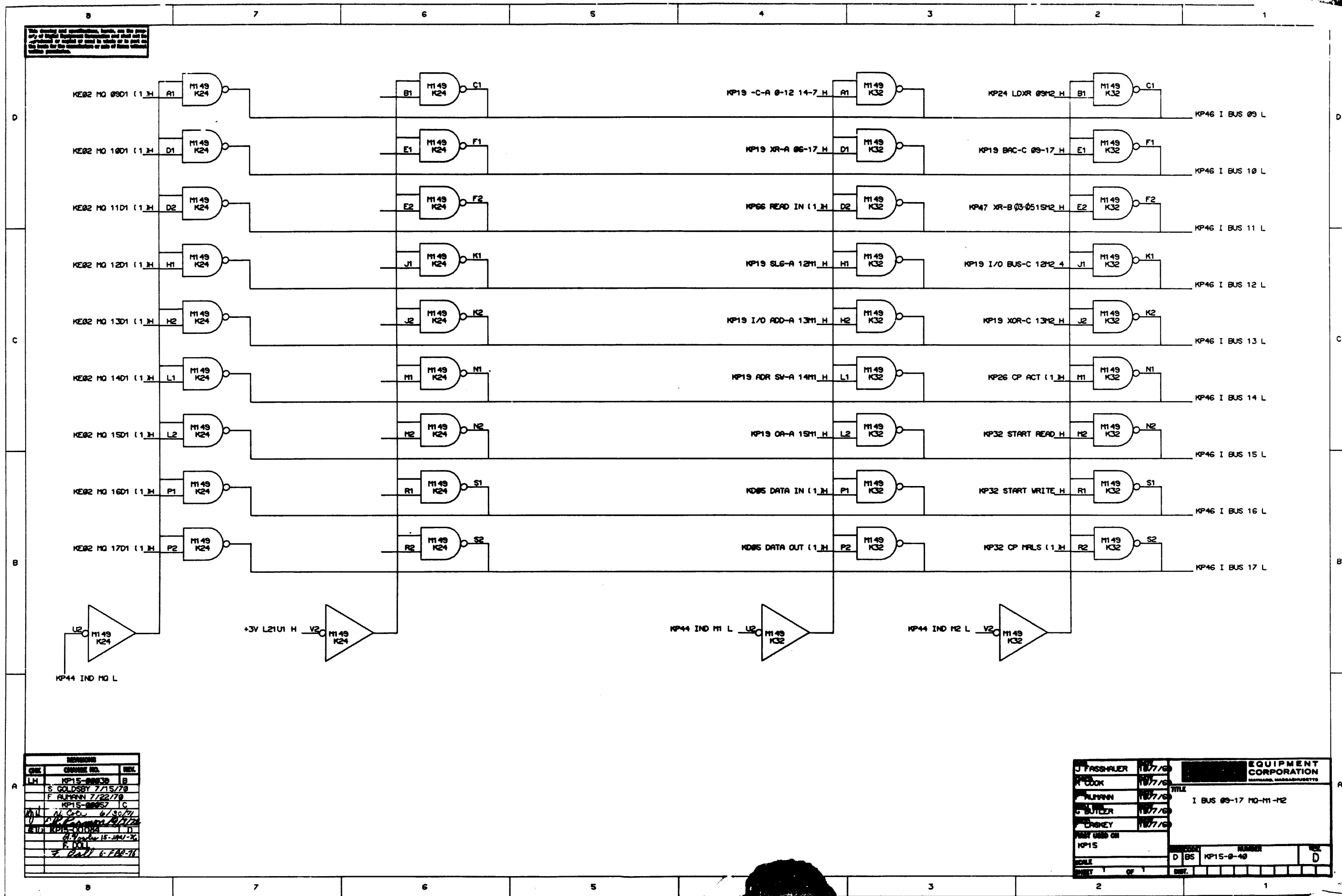




REVISIONS		
CHK	CHANGE NO.	REV.
SH	KP15-00038	B
S	GOLDSEY 7-15-70	
F	BLUMANN 7-22-70	
7/24	KP15-00016	C

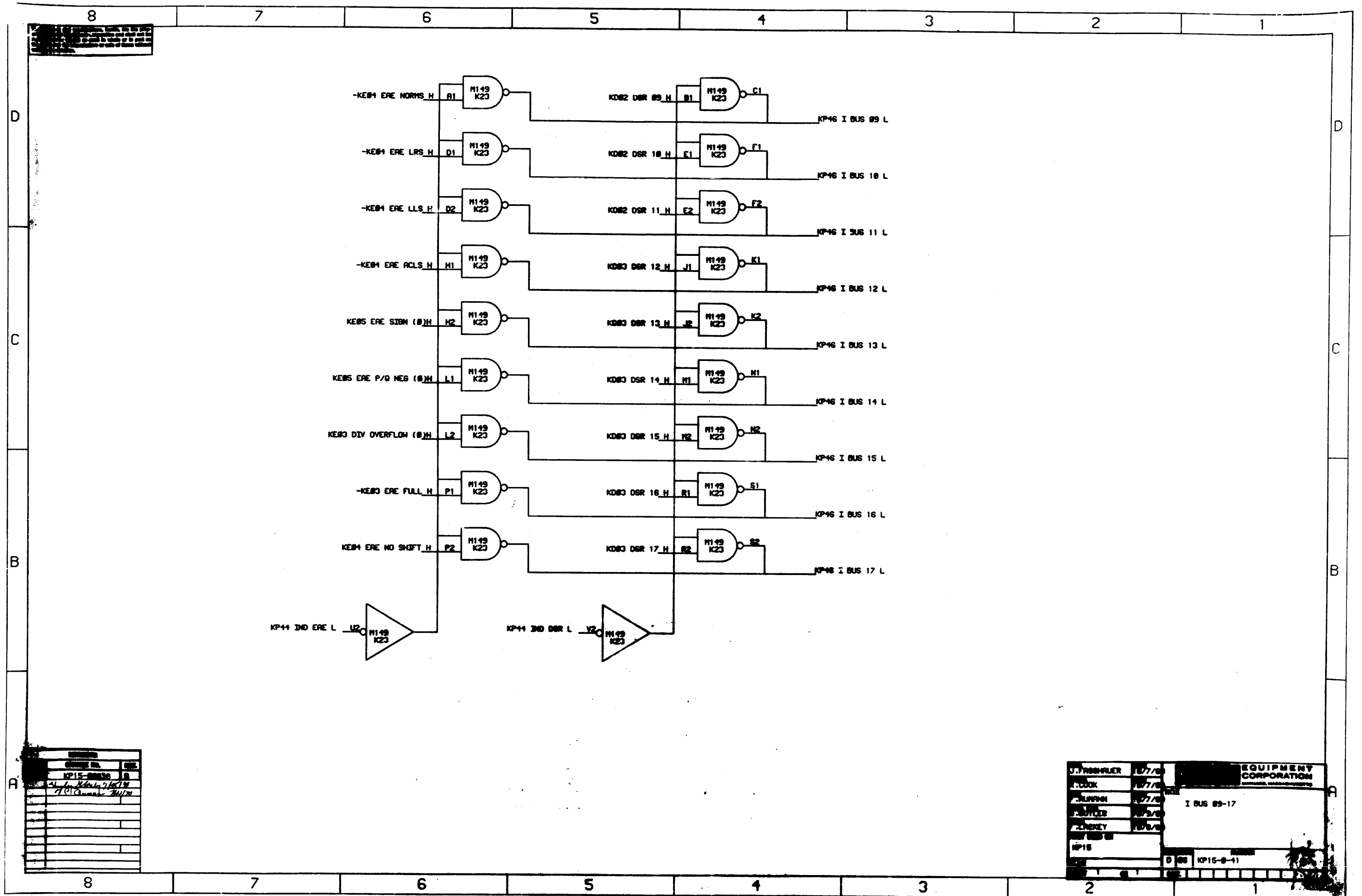
DATE	10/7/69	DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
BY	J. FRASCHNER		
DATE	10/7/69	TITLE	
BY	R. COOK		
DATE	10/7/69	I BUS 00-08	
BY	P. BLUMANN		
DATE	10/7/69	FIRST USED ON	
BY	G. BUTLER		
DATE	10/7/69	NUMBER	
BY	F. LASKEY		
KP15		REV. C	
SCALE	D 06	KP15-0-38	
SHEET 1	OF 1	DIST.	

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CHK	DATE	REV.
LH	KP15-00030	B
	S. GOLDSBY 7/15/70	
	F. ALMANN 7/22/70	
	KP15-00052	IC
	N. C. 4/30/71	
	KP15-00084	1, 1
	01/10/71 15-JAN-71	
	F. D. 1	
	3. B. 11 6-FEB-71	

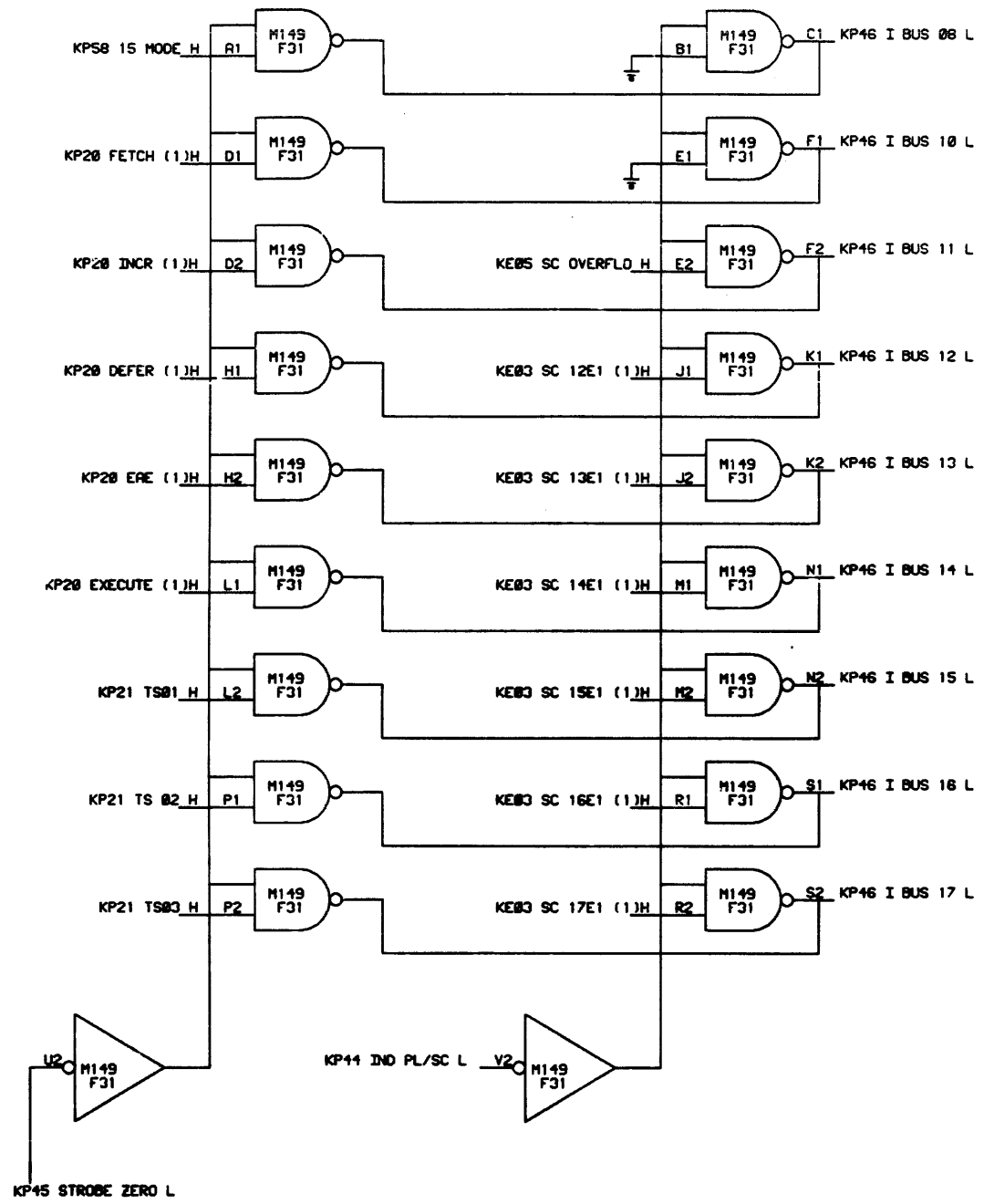
J FASHAUER	10/7/6	[REDACTED]	EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
A COOK	10/7/6		TITLE I BUS 09-17 M0-M1-M2	
M WANN	10/7/6			
C BUTLER	10/7/6			
F D LANEY	10/7/6			
PART USED ON KP15		[REDACTED]		
SCALE		NUMBER		REV.
SHEET OF		D BS	KP15-0-40	D
SHEET		[REDACTED]		



REV	DATE	BY	CHKD
1	10/1/78	J. F. FRISHLER	
2	10/1/78	J. F. FRISHLER	
3	10/1/78	J. F. FRISHLER	
4	10/1/78	J. F. FRISHLER	
5	10/1/78	J. F. FRISHLER	
6	10/1/78	J. F. FRISHLER	
7	10/1/78	J. F. FRISHLER	
8	10/1/78	J. F. FRISHLER	
9	10/1/78	J. F. FRISHLER	
10	10/1/78	J. F. FRISHLER	

REV	DATE	BY	CHKD
1	10/1/78	J. F. FRISHLER	
2	10/1/78	J. F. FRISHLER	
3	10/1/78	J. F. FRISHLER	
4	10/1/78	J. F. FRISHLER	
5	10/1/78	J. F. FRISHLER	
6	10/1/78	J. F. FRISHLER	
7	10/1/78	J. F. FRISHLER	
8	10/1/78	J. F. FRISHLER	
9	10/1/78	J. F. FRISHLER	
10	10/1/78	J. F. FRISHLER	

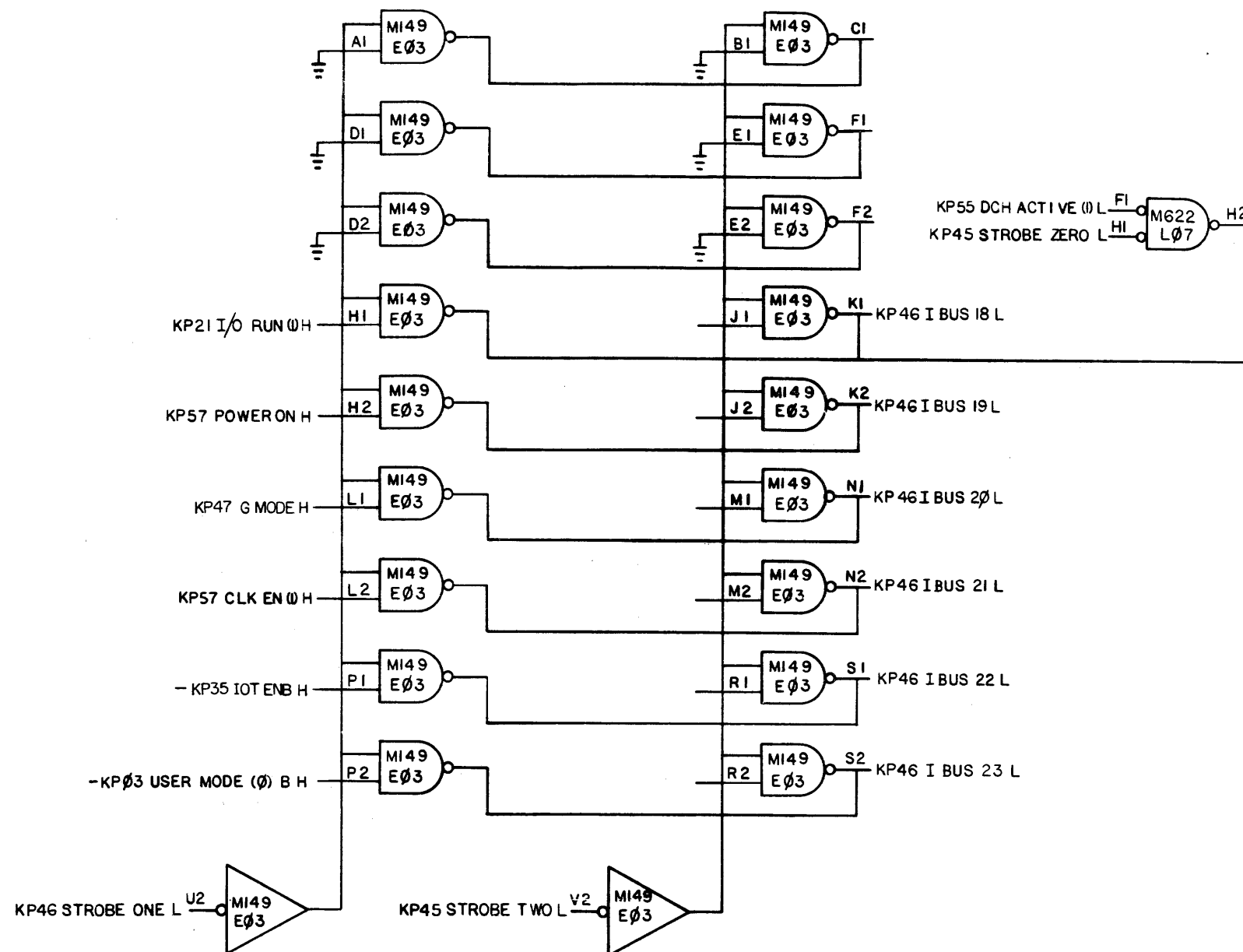
For details and specifications, consult the appropriate data sheets for the components used in this circuit. The circuit is shown for information only and is not intended for use in any specific application.



REV	CHANGE NO.	DATE
1	KP15-00038	10/7/69
2	11/9/70	11/9/70
3	12/1/70	12/1/70

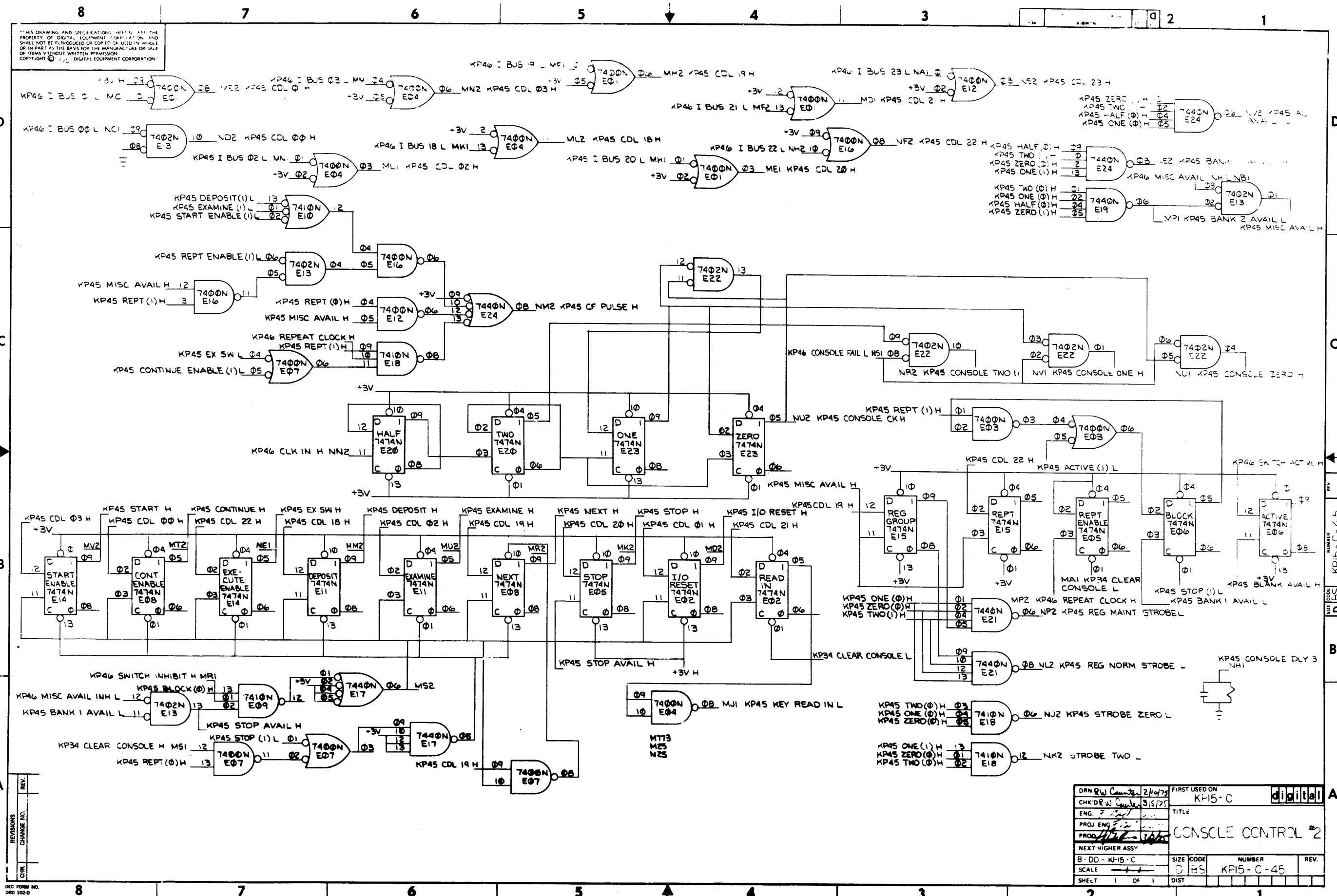
J. FRISCHAUER	10/7/69	EQUIPMENT CORPORATION MILFORD, MASSACHUSETTS
K. COOK	10/7/69	
P. RUMANN	10/7/69	
G. BOTLER	10/9/69	
P. CRISKEY	10/8/69	TITLE
PRINTED ON KP15		I BUS 08 10-17 SC
CODE	D 05	NUMBER
DATE	10/7/69	KP15-0-12
REV	1	REV

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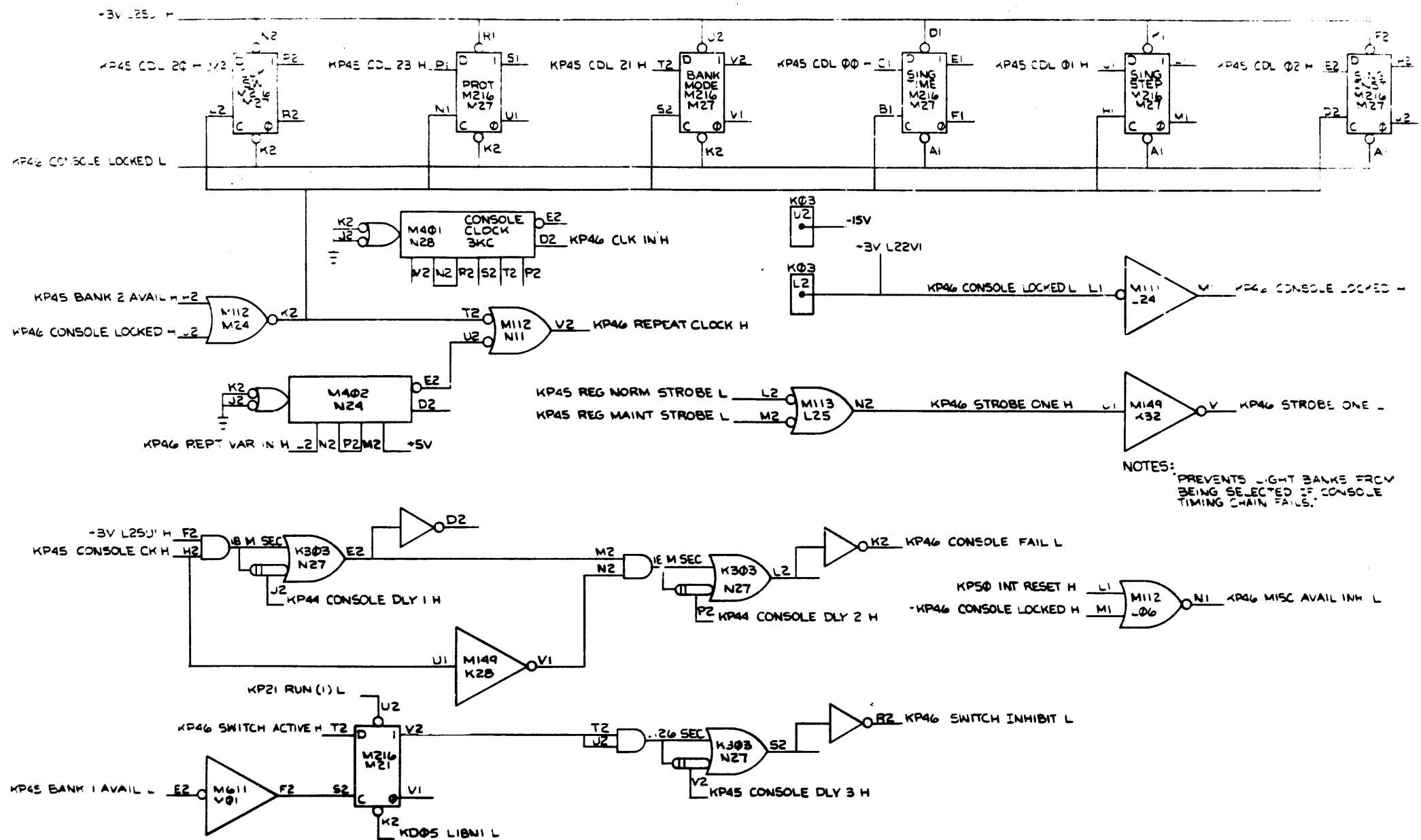
REV.	CHG.	NO.	REV.
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2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8

DRN. E. DeWitt	4-1-75	FIRST USED ON	KP15-C
CHK'D R. J. Conner	4/14/75	TITLE	I BUS
ENG. F. DeWitt	4/14/75		18-23 IR
PROD. F. DeWitt	4/14/75		
NEXT HIGHER ASSY.			
B-DD-KP15-C		SIZE CODE	D BS
SCALE		NUMBER	KP15-C-43
SHEET	OF	DIST.	



DRN R/W Counter 2/10/75	FIRST USED ON	KP15-C	digital
CHK'D R/W Counter 3/5/75	TITLE	CONSOLE CONTROL #2	
ENG. J. J. J.	SCALE	1 OF 1	REV.
PROJ. ENG. J. J. J.	SIZE CODE	D BS	NUMBER
PROD. J. J. J.	SHEET	1 OF 1	DIST
NEXT HIGHER ASSY		B-DD-KP15-C	
SCALE		1 OF 1	
SHEET		1 OF 1	

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NOTES:
PREVENTS LIGHT BALKS FROM
BEING SELECTED IF CONSOLE
TIMING CHAIN FAILS.

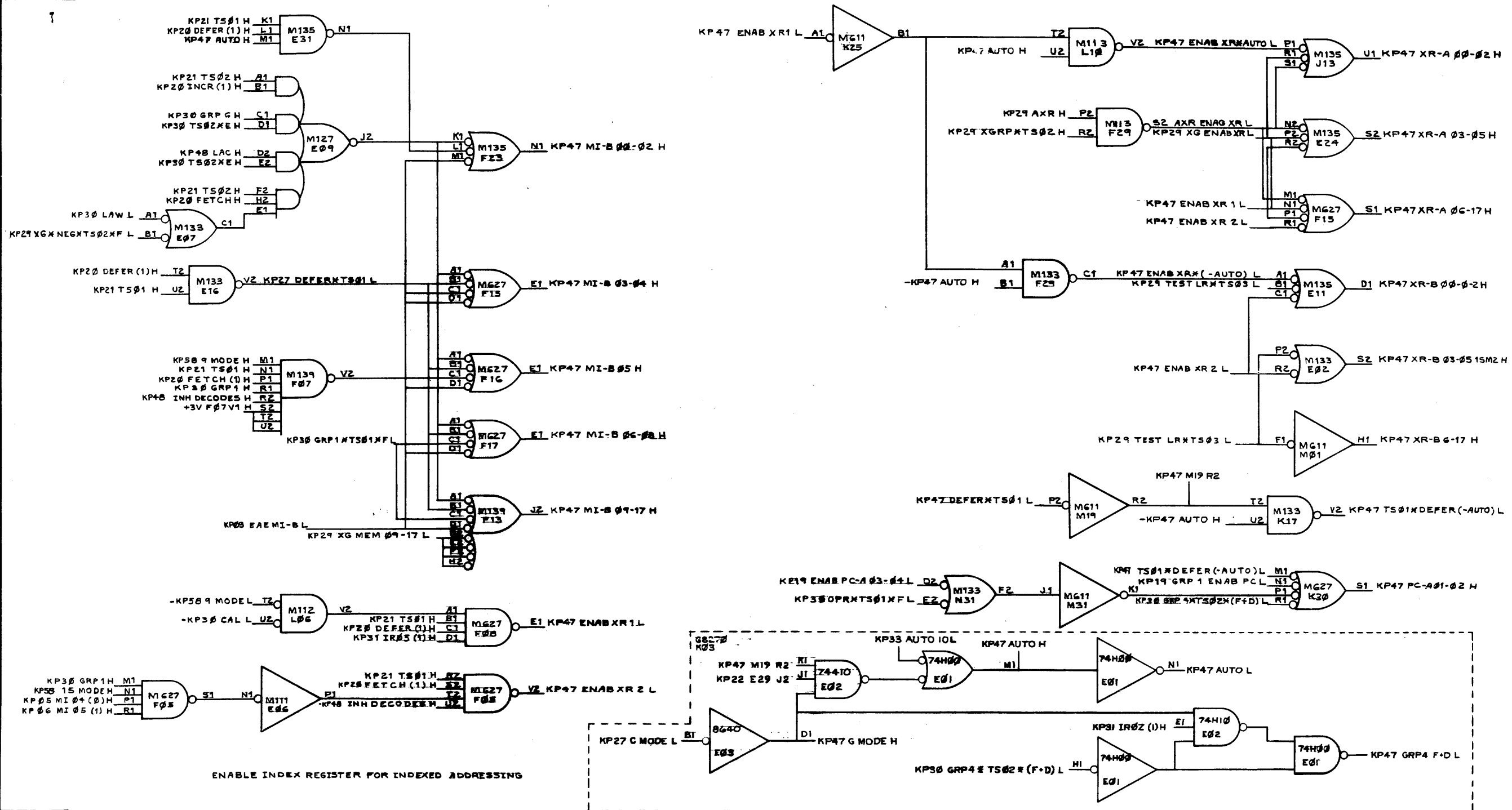
1	KP46 = BUS 0
2	KP46 = BUS 1
3	KP46 = BUS 2
4	KP46 = BUS 3
5	KP46 = BUS 4
6	KP46 = BUS 5
7	KP46 = BUS 6
8	KP46 = BUS 7
9	KP46 = BUS 8
10	KP46 = BUS 9
11	KP46 = BUS 10
12	KP46 = BUS 11
13	KP46 = BUS 12
14	KP46 = BUS 13
15	KP46 = BUS 14
16	KP46 = BUS 15
17	KP46 = BUS 16
18	KP46 = BUS 17
19	KP46 = BUS 18
20	KP46 = BUS 19
21	KP46 = BUS 20
22	KP46 = BUS 21
23	KP46 = BUS 22
24	KP46 = BUS 23
25	KP46 = BUS 24
26	KP46 = BUS 25
27	KP46 = BUS 26
28	KP46 = BUS 27
29	KP46 = BUS 28
30	KP46 = BUS 29

1	KP46 = BUS 0
2	KP46 = BUS 1
3	KP46 = BUS 2
4	KP46 = BUS 3
5	KP46 = BUS 4
6	KP46 = BUS 5
7	KP46 = BUS 6
8	KP46 = BUS 7
9	KP46 = BUS 8
10	KP46 = BUS 9
11	KP46 = BUS 10
12	KP46 = BUS 11
13	KP46 = BUS 12
14	KP46 = BUS 13
15	KP46 = BUS 14
16	KP46 = BUS 15
17	KP46 = BUS 16
18	KP46 = BUS 17
19	KP46 = BUS 18
20	KP46 = BUS 19
21	KP46 = BUS 20
22	KP46 = BUS 21
23	KP46 = BUS 22
24	KP46 = BUS 23
25	KP46 = BUS 24
26	KP46 = BUS 25
27	KP46 = BUS 26
28	KP46 = BUS 27
29	KP46 = BUS 28
30	KP46 = BUS 29

DRW BY: C. W. Conner	4/1/73	FIRST USED ON: KP15-C	20-00000
CHK'D BY: C. W. Conner	4/1/73	TITLE: MISC CONSOLE LOGIC	
ENG: C. W. Conner			
PROJ ENG: C. W. Conner			
PROD: C. W. Conner			
NEXT HIGHER ASBY: C. W. Conner			
B-D0-KP15-C	SH: 7	CODE: BS	NUMBER: KP15-C-46
SCALE: 1			REV: 1
SHEET: 1 OF 1			

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BS KP15-C-47 A

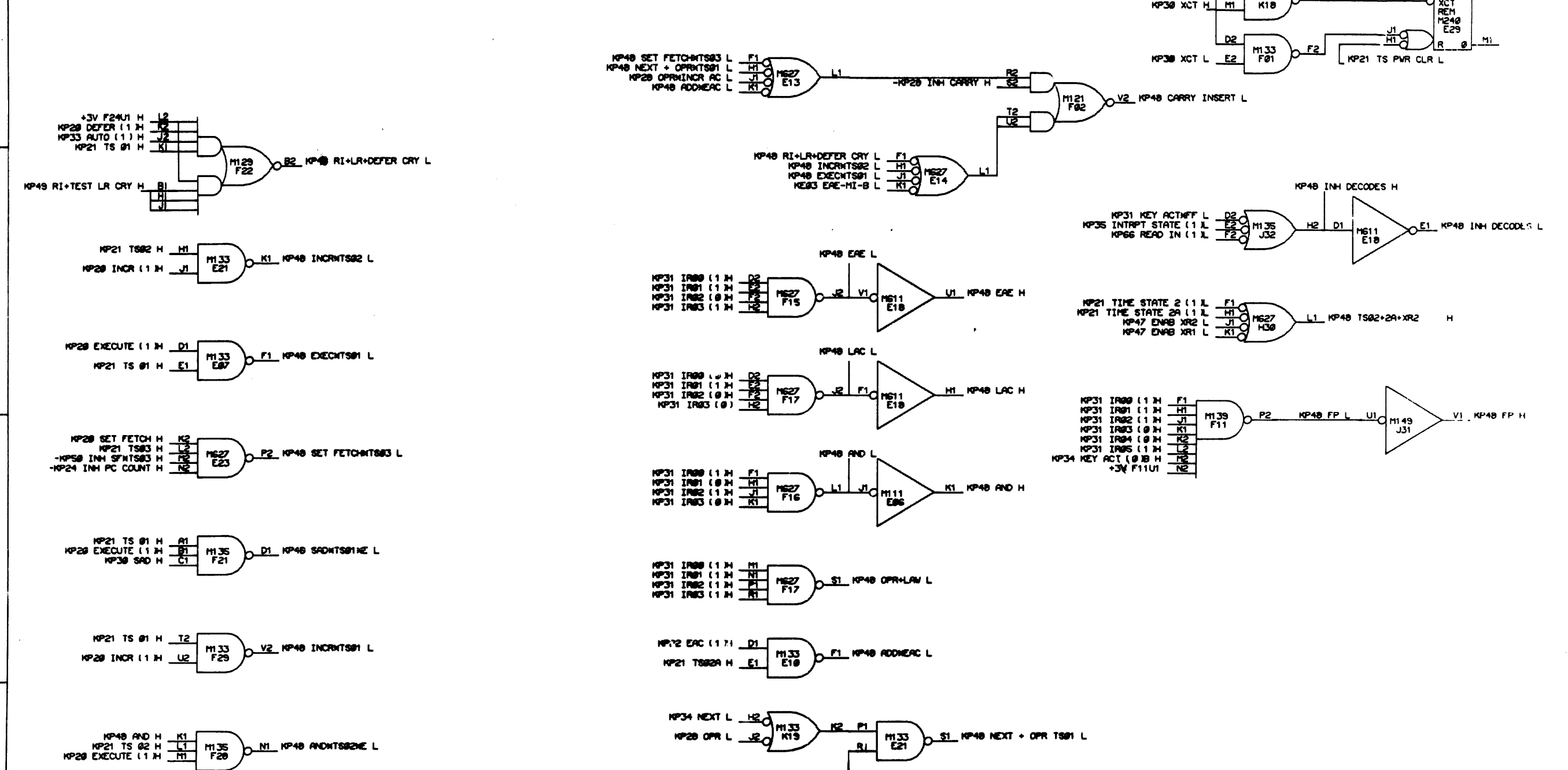


ENABLE INDEX REGISTER FOR INDEXED ADDRESSING

REV.	DATE	BY	CHKD
1	3/5/75	3/5/75	3/5/75
2	3/5/75	3/5/75	3/5/75
3	3/5/75	3/5/75	3/5/75
4	3/5/75	3/5/75	3/5/75
5	3/5/75	3/5/75	3/5/75
6	3/5/75	3/5/75	3/5/75
7	3/5/75	3/5/75	3/5/75
8	3/5/75	3/5/75	3/5/75
9	3/5/75	3/5/75	3/5/75
10	3/5/75	3/5/75	3/5/75

DRN. 2/7/75	FIRST USED ON	20-0000
CHK'D 3/5/75	TITLE	MI CONTROL
ENG. 3/5/75	SIZE	D
PROJ. ENG. 3/5/75	CODE	BS
PROD. 3/5/75	NUMBER	KP15-C-47
NEXT HIGHER ASSY.	REV.	A
B-DD-KP15-C	SCALE	1 OF 1
SHEET 1 OF 1	DIST.	

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 97. 100% TESTED
 98. 100% TESTED
 99. 100% TESTED
 100. 100% TESTED



REV.	CHG. NO.	CHK.	CHG. NO.	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
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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	101	102	103	104

1. SCHUYMAN	11-7-6	2. EQUIPMENT CORPORATION
3. N. REALT	11-7-6	4. TITLE
5. ALMANN	11-7-6	6. MISC LOGIC
7. BUTLER	11-7-6	8. LASKEY
9. LASKEY	11-7-6	10. NEW CARD ON
11. KP15		12. D BS
13. D BS		14. KP15-8-48
15. SHEET 1	OF 1	16. DIST.

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KP34 KEY ACTIVE (1)H L2
KP66 READ IN (1)H M2
M112 L21
N2 KP49 KEY+RI INHIBIT L
INHIBIT GRP2 OR 4 ON KP38

KP66 READ IN (1)H A1
KP66 READ IN EXEC (0)H B1
M113 L38
C1 KP49 RI PAUSE L

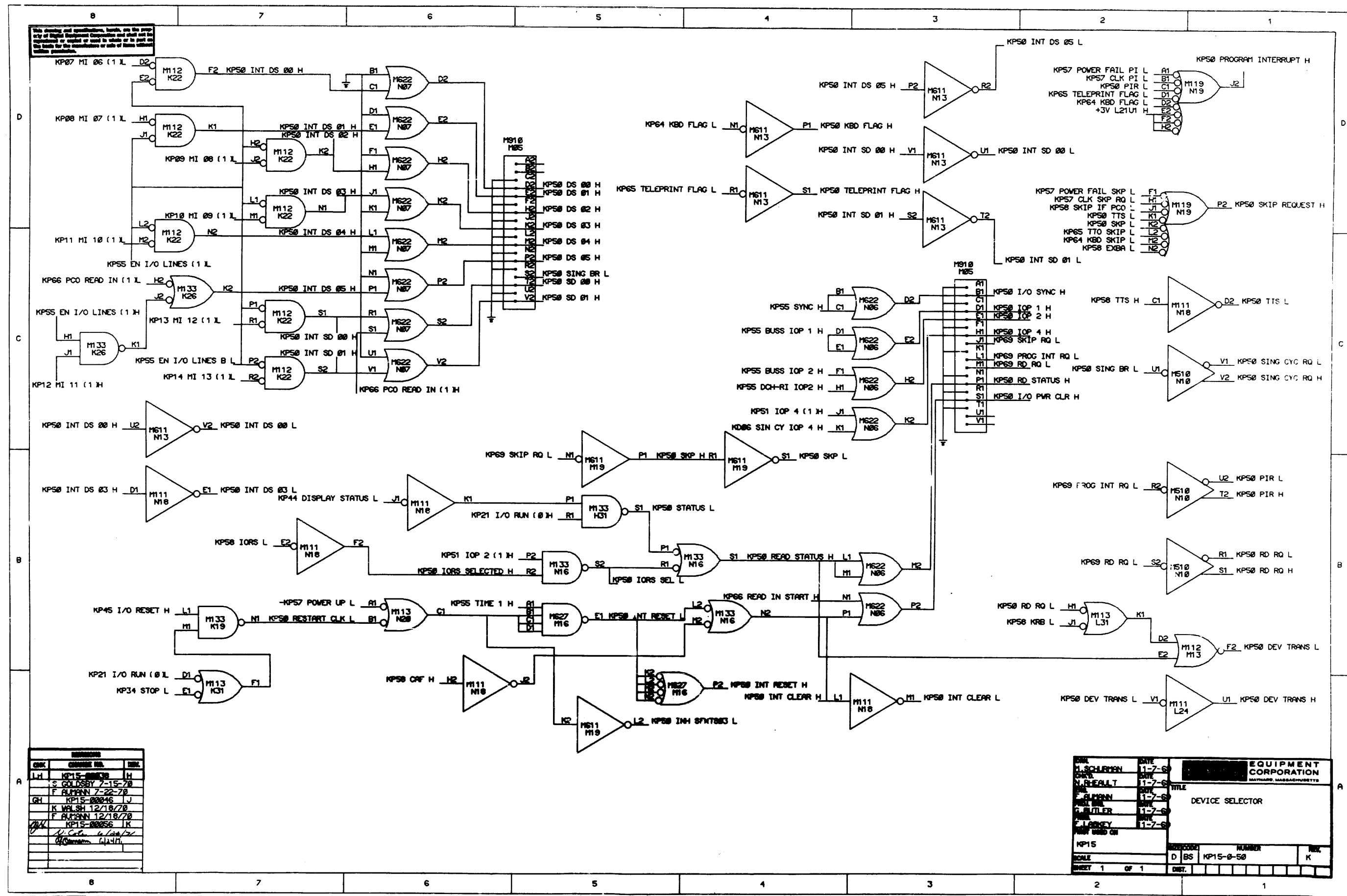
KP66 PCO READ IN (1)H P2
KPS1 IDP 2 (1)H R2
M113 L38
S2 KP49 PCO I/O CONT L

KP19 SL6-A 12M1 H H1
KP66 TTY ADV H J
M113 L38
K1
KP49 RI ADV H
M113 L38
H2
K2
R1
M111 L24
S1
LI
M113 L38
N1 KP49 I/O STB AC EN H
KP50 DEV TRANS H I2
KP55 EN I/O LINES (1)H U2
M133 K13
V2

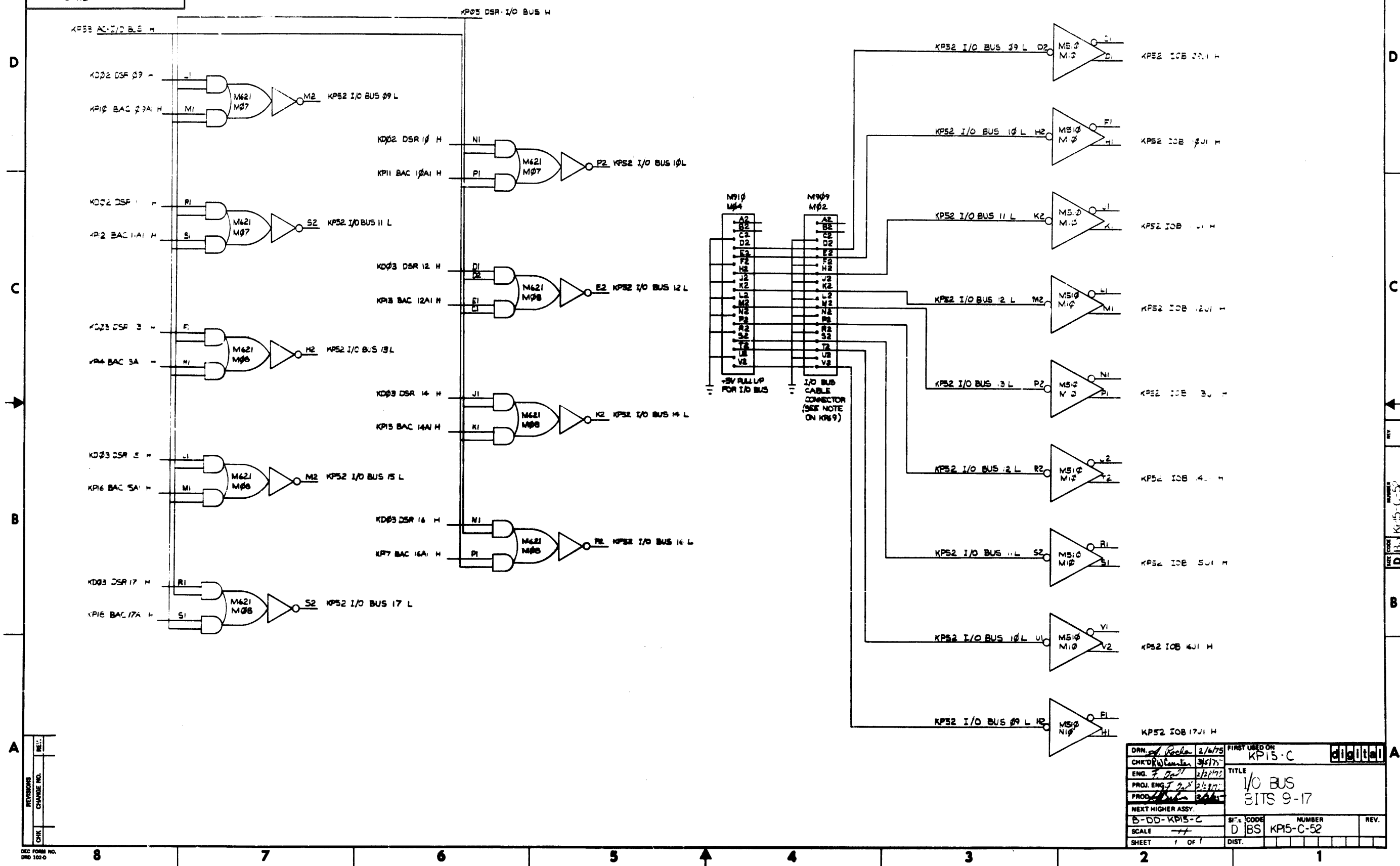
KP66 RI STORE L U1
M149 F31
V1
F1
H1
J1
K1
M127 K38
LI KP49 RI INCR OR L
D1
E1
M133 K13
F1 KP49 RI+TEST LR CRY H
KP29 TEST LR=1SW3 L

DATE	REVISION	BY	CHK
11-7-69	1	W. SCHURMAN	W. SCHURMAN
11-7-69	2	W. SCHURMAN	W. SCHURMAN
11-7-69	3	W. SCHURMAN	W. SCHURMAN
11-7-69	4	W. SCHURMAN	W. SCHURMAN
11-7-69	5	W. SCHURMAN	W. SCHURMAN
11-7-69	6	W. SCHURMAN	W. SCHURMAN
11-7-69	7	W. SCHURMAN	W. SCHURMAN
11-7-69	8	W. SCHURMAN	W. SCHURMAN
11-7-69	9	W. SCHURMAN	W. SCHURMAN
11-7-69	10	W. SCHURMAN	W. SCHURMAN
11-7-69	11	W. SCHURMAN	W. SCHURMAN
11-7-69	12	W. SCHURMAN	W. SCHURMAN
11-7-69	13	W. SCHURMAN	W. SCHURMAN
11-7-69	14	W. SCHURMAN	W. SCHURMAN
11-7-69	15	W. SCHURMAN	W. SCHURMAN
11-7-69	16	W. SCHURMAN	W. SCHURMAN
11-7-69	17	W. SCHURMAN	W. SCHURMAN
11-7-69	18	W. SCHURMAN	W. SCHURMAN
11-7-69	19	W. SCHURMAN	W. SCHURMAN
11-7-69	20	W. SCHURMAN	W. SCHURMAN

DATE	REVISION	BY	CHK
11-7-69	1	W. SCHURMAN	W. SCHURMAN
11-7-69	2	W. SCHURMAN	W. SCHURMAN
11-7-69	3	W. SCHURMAN	W. SCHURMAN
11-7-69	4	W. SCHURMAN	W. SCHURMAN
11-7-69	5	W. SCHURMAN	W. SCHURMAN
11-7-69	6	W. SCHURMAN	W. SCHURMAN
11-7-69	7	W. SCHURMAN	W. SCHURMAN
11-7-69	8	W. SCHURMAN	W. SCHURMAN
11-7-69	9	W. SCHURMAN	W. SCHURMAN
11-7-69	10	W. SCHURMAN	W. SCHURMAN
11-7-69	11	W. SCHURMAN	W. SCHURMAN
11-7-69	12	W. SCHURMAN	W. SCHURMAN
11-7-69	13	W. SCHURMAN	W. SCHURMAN
11-7-69	14	W. SCHURMAN	W. SCHURMAN
11-7-69	15	W. SCHURMAN	W. SCHURMAN
11-7-69	16	W. SCHURMAN	W. SCHURMAN
11-7-69	17	W. SCHURMAN	W. SCHURMAN
11-7-69	18	W. SCHURMAN	W. SCHURMAN
11-7-69	19	W. SCHURMAN	W. SCHURMAN
11-7-69	20	W. SCHURMAN	W. SCHURMAN

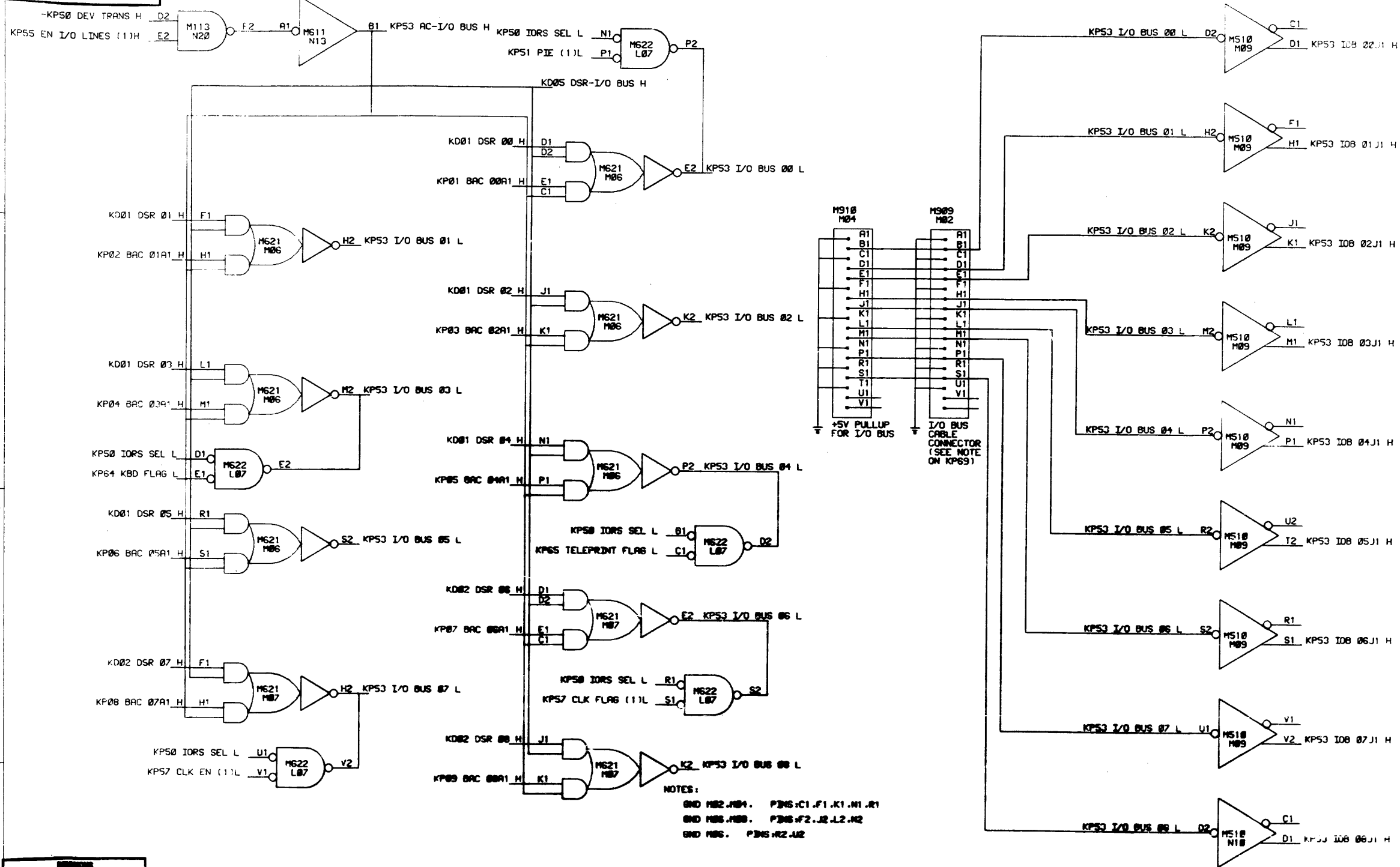


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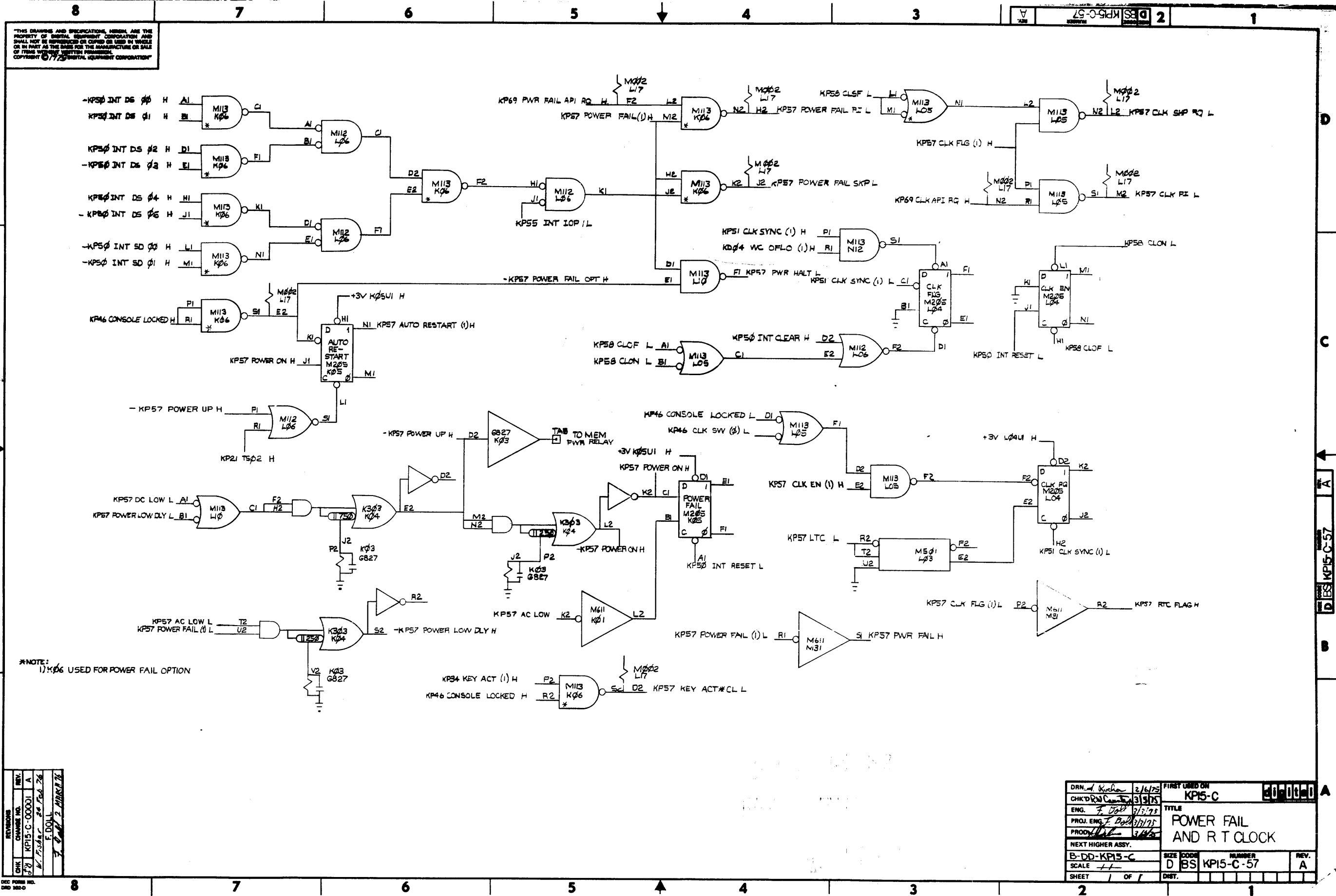
DRN. <i>2/1/75</i>	FIRST USED ON	digital
CHK'D <i>W. L. 3/5/75</i>	KP15-C	
ENG. <i>3/2/75</i>	TITLE	
PROJ. ENG. <i>3/2/75</i>	I/O BUS	
PROD. <i>3/2/75</i>	BITS 9-17	
NEXT HIGHER ASSY.		
B-00-KP15-C	SCALE	REV.
SCALE <i>1:1</i>	DIST.	
SHEET <i>1</i> OF <i>1</i>		

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DATE	REVISION NO.	REV.
12/77	KP15-00235	E

J. FRANKLIN	12/77	EQUIPMENT CORPORATION CONCORD, MASSACHUSETTS
R. COOK	12/77	
V. RUPPIN	12/77	
S. BUTLER	12/77	
P. LARKEY	12/77	
KP15		
DATE	12/77	
BY	BS	
CHKD	BS	
APP'D		

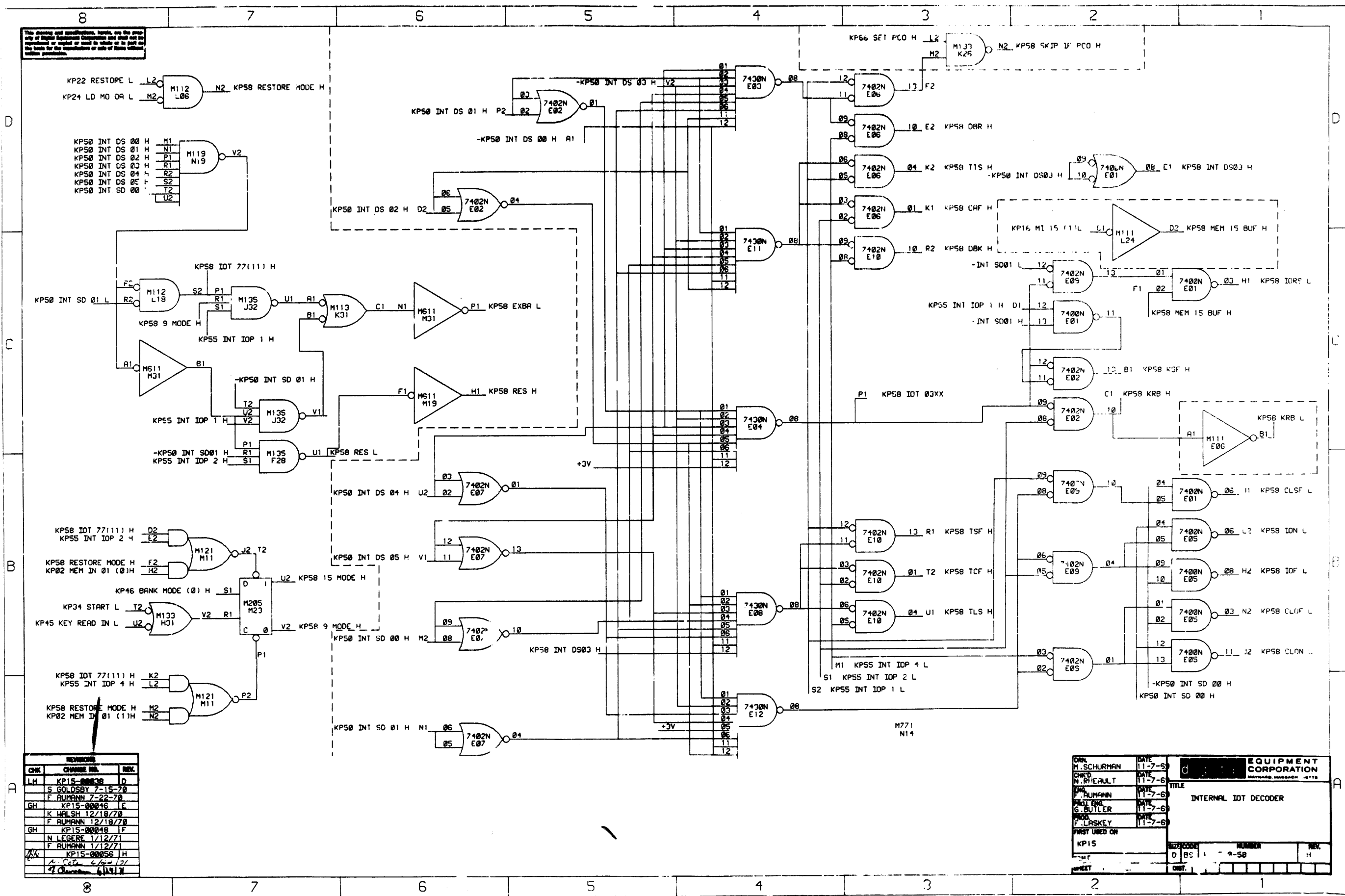


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REV.	CHG.	DATE
1	1	2/1/75
2	2	2/1/75
3	3	2/1/75
4	4	2/1/75
5	5	2/1/75
6	6	2/1/75
7	7	2/1/75
8	8	2/1/75
9	9	2/1/75
10	10	2/1/75

DRN. 1/1/75	2/1/75	FIRST USED ON	KP15-C
CHK'D R. 1/1/75	2/1/75	TITLE	POWER FAIL AND R T CLOCK
ENG. 1/1/75	2/1/75	PROJ. ENG. 1/1/75	3/1/75
PROD. 1/1/75	2/1/75	3/1/75	
NEXT HIGHER ASSY.			
B-DD-KP15-C		SIZE	3/1/75
SCALE 1/1		NUMBER	KP15-C-57
SHEET 1 OF 1		REV.	A

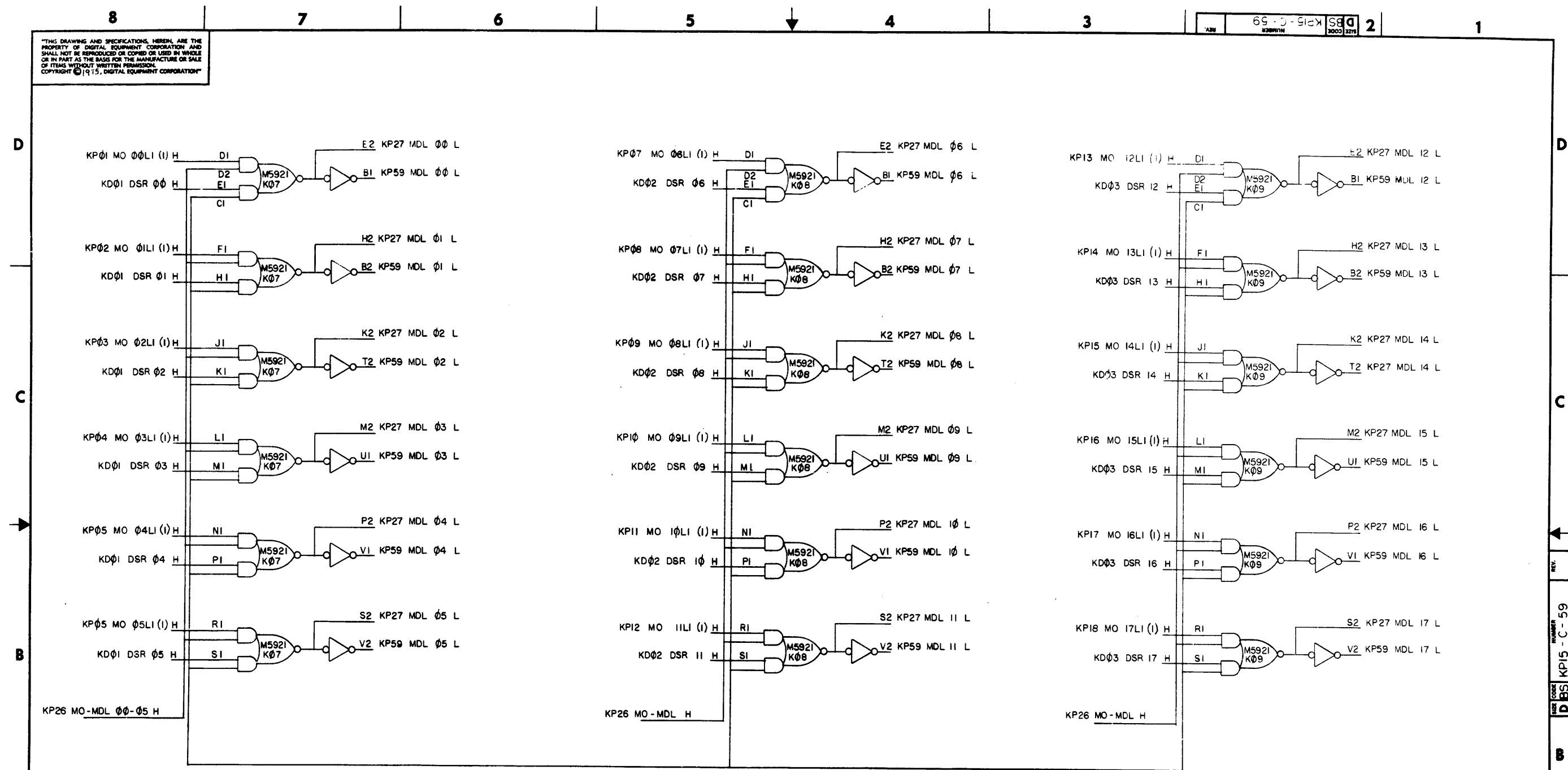
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CHK	REVISION	CHANGE NO.	REV.
LH	KP15-00038	D	
	S GOLDSBY 7-15-70		
	F RUHMANN 7-22-70		
GH	KP15-00046	E	
	K WALSH 12/18/70		
GH	F RUHMANN 12/18/70		
	KP15-00048	F	
	N LEGERE 1/12/71		
	F RUHMANN 1/12/71		
	KP15-00056	H	
	L. C. C. 4/10/71		
	4/10/71		

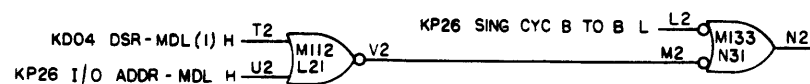
DRN	M. SCHURMAN	DATE	11-7-59	 EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
CHD	N. RHEAULT	DATE	11-7-60				
ENG	F. RUHMANN	DATE	11-7-60				
PROJ	G. BUTLER	DATE	11-7-60				
PROD	F. LASKEY	DATE	11-7-60				
FIRST USED ON		KP15					
REV.		0	BS	1	2-58	H	
SHEET		DWT.					

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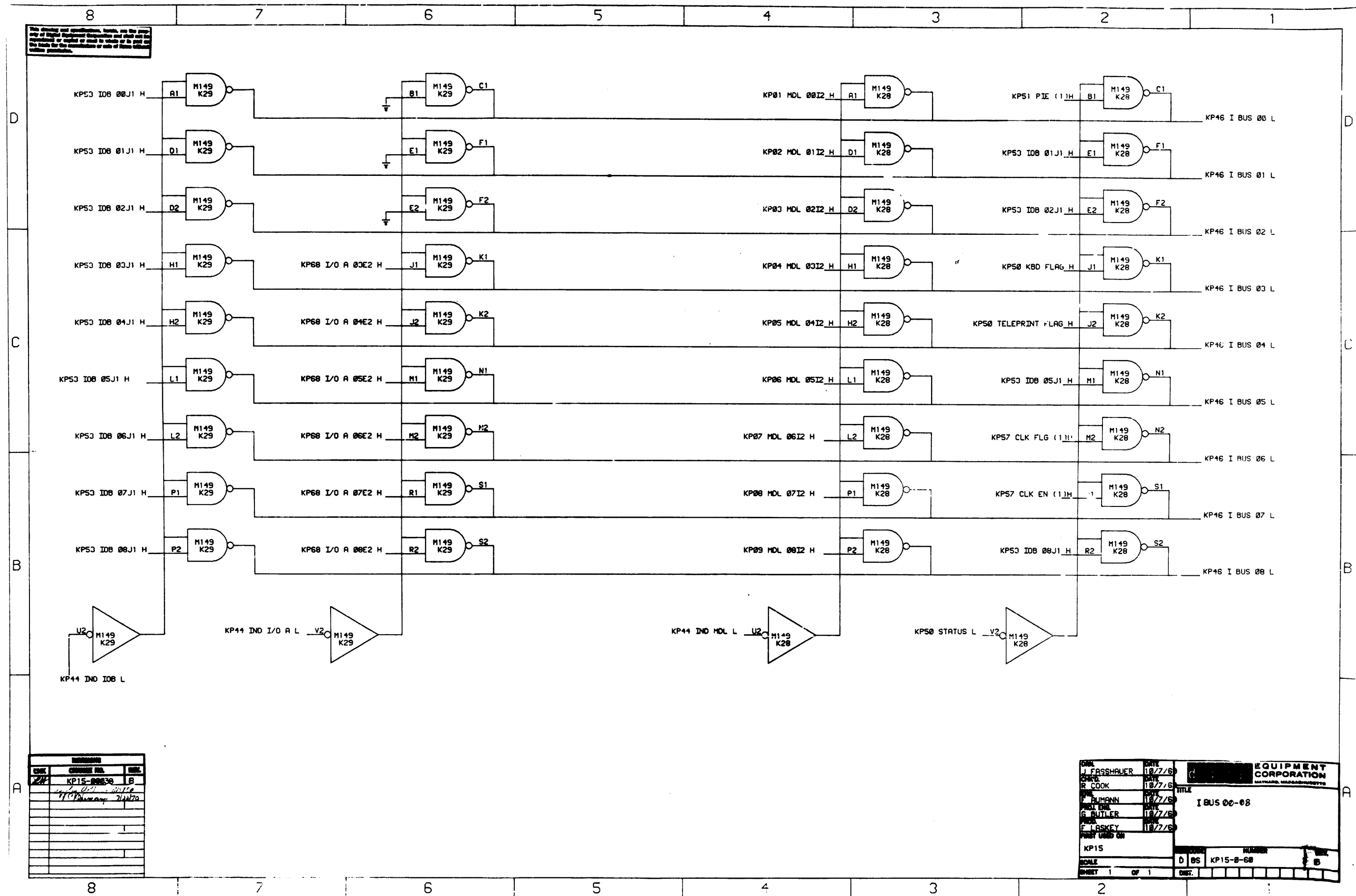
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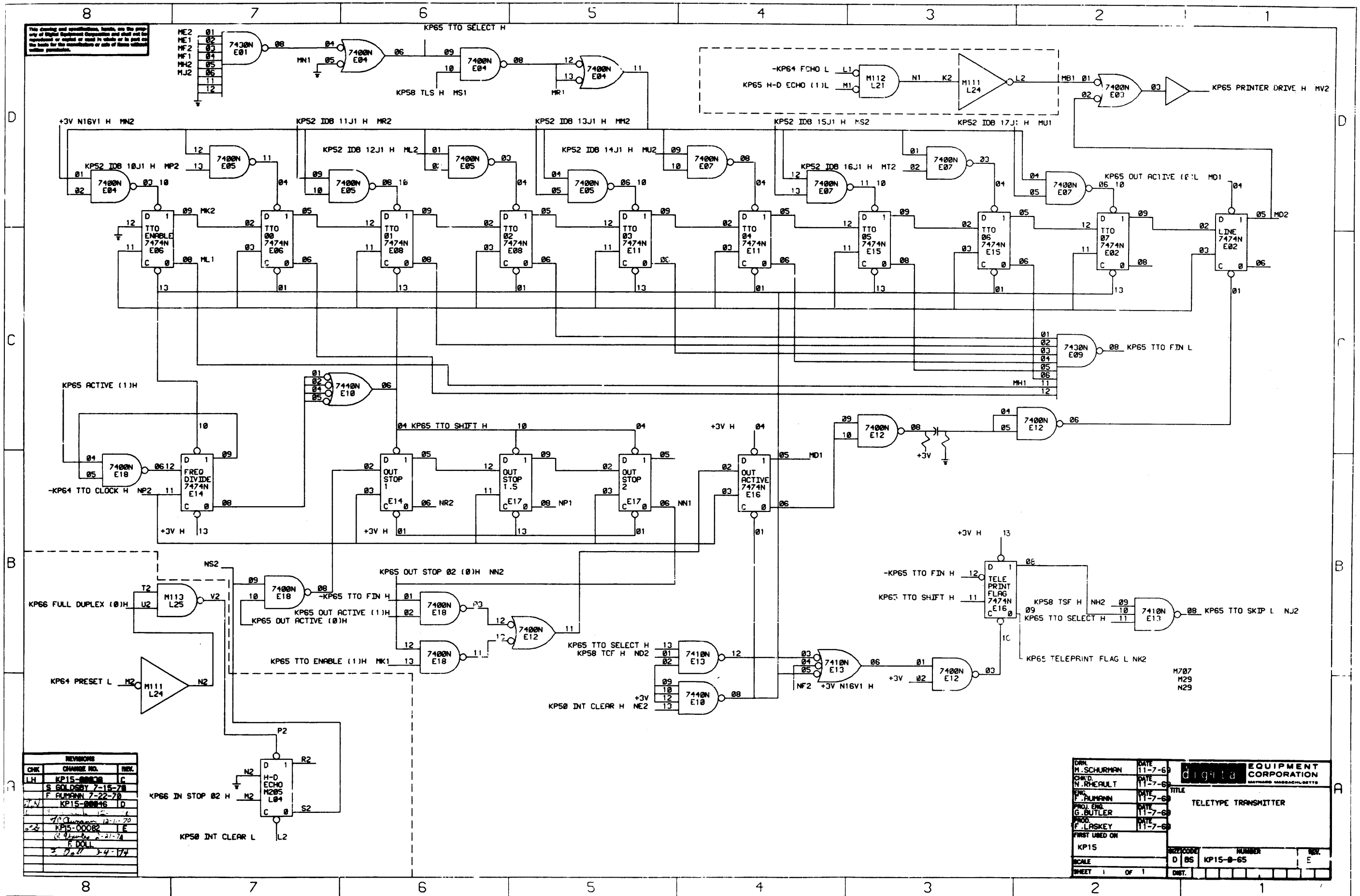
1. KP59 MDL XX L IS CONNECTED TO M1 REGISTER.



REV.	DATE	BY	CHK
1			

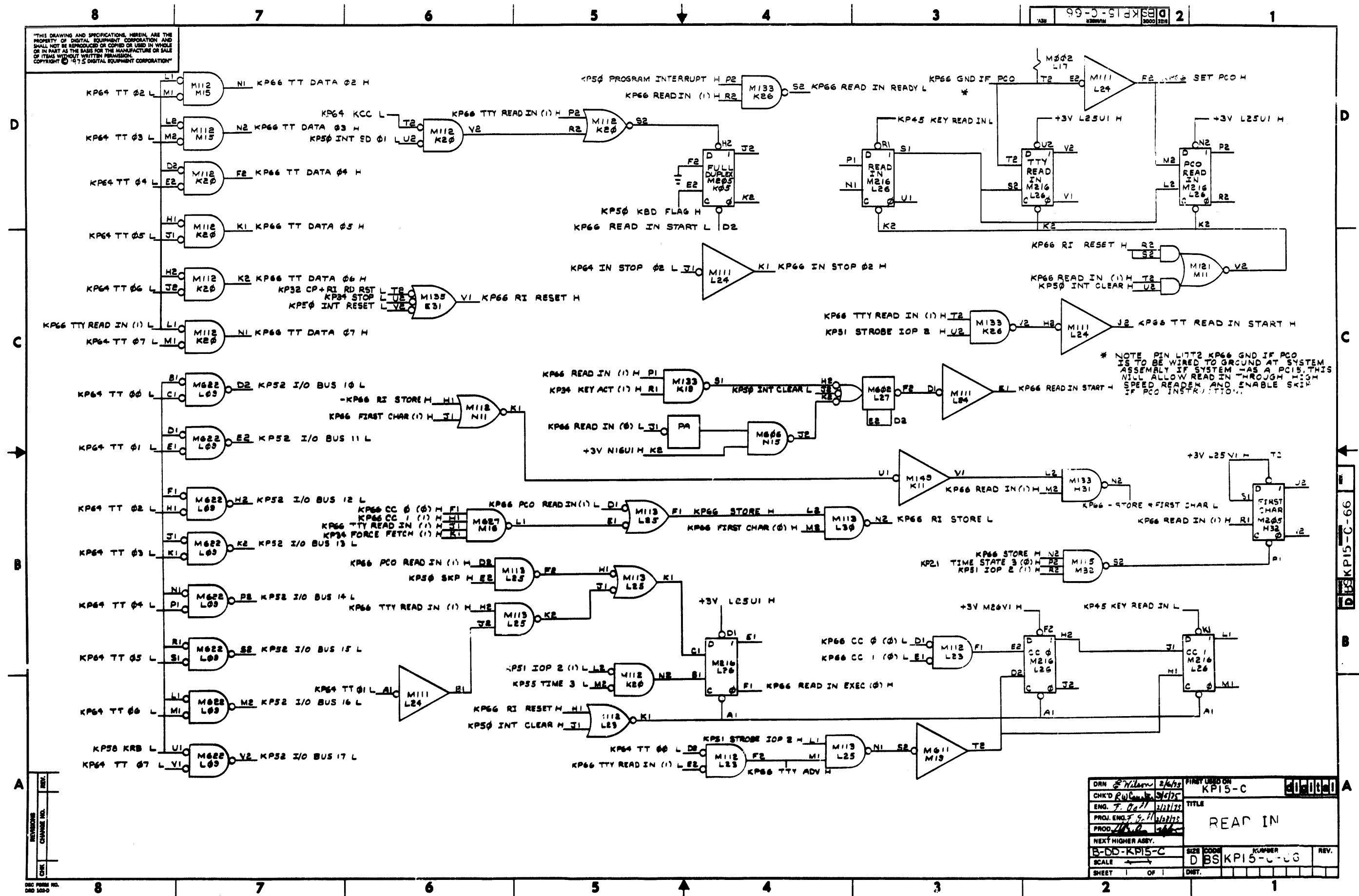
DRN. M. Chelms	1/8 Nov 75	FIRST USED ON	KPI5C
CHK'D B. H. H. H.	1/7 Nov 75	TITLE	MDL DRIVER
ENG. F. D. H. H.	1/8 Nov 75	PROJ. ENG. T. D. H. H.	1/8 Nov 75
PROD. F. D. H. H.	1/8 Nov 75	NEXT HIGHER ASSY.	
B-10-KPI5-C-0		SIZE CODE	D BS
SCALE		NUMBER	KPI5-C-59
SHEET 1 OF 1		DIST.	





CHK	CHANGE NO.	REV.
1	1	1
2	2	2
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8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
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14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20

DRN.	H. SCHURMAN	DATE	11-7-69	digital EQUIPMENT CORPORATION BARTON, MASSACHUSETTS
CHKD.	N. RHEAULT	DATE	11-7-69	
ENG.	F. RUMANN	DATE	11-7-69	
PROJ. ENG.	G. BUTLER	DATE	11-7-69	
PROD.	F. LASKEY	DATE	11-7-69	
FIRST USED ON				TITLE TELETYPE TRANSMITTER
KP15				
SCALE		SIZE CODE	NUMBER	REV.
SHEET 1 OF 1		D 85	KP15-0-65	E
DIST.				



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4

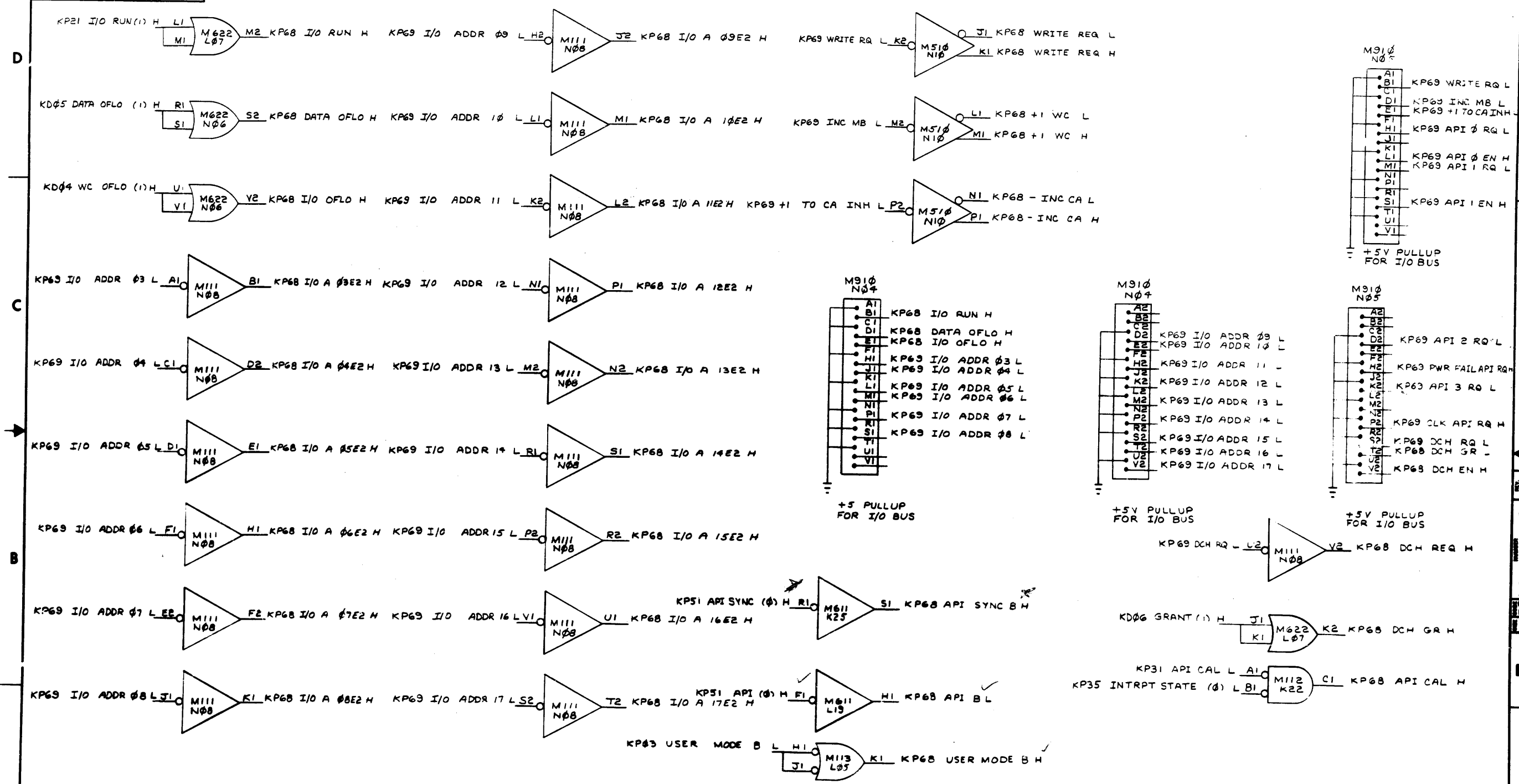
3

2

1

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89-0-68
REV. 1
DATE 3/75
NUMBER 3000



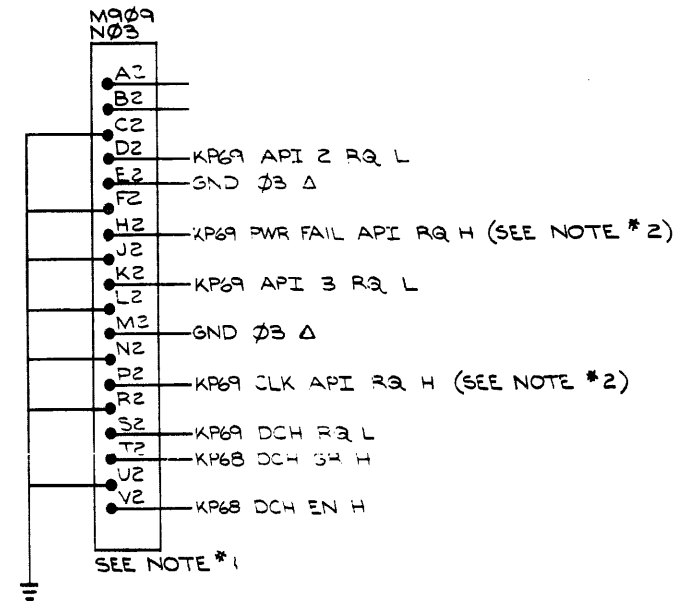
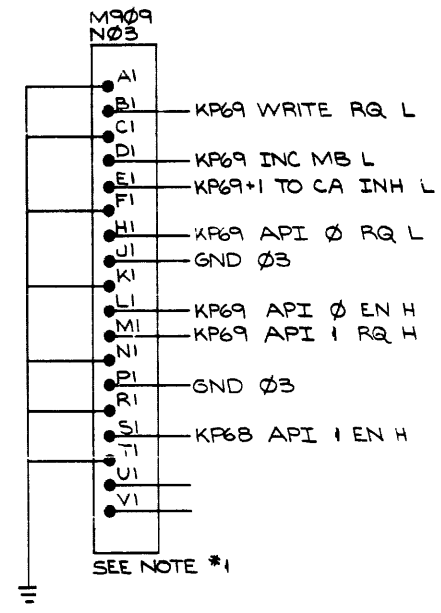
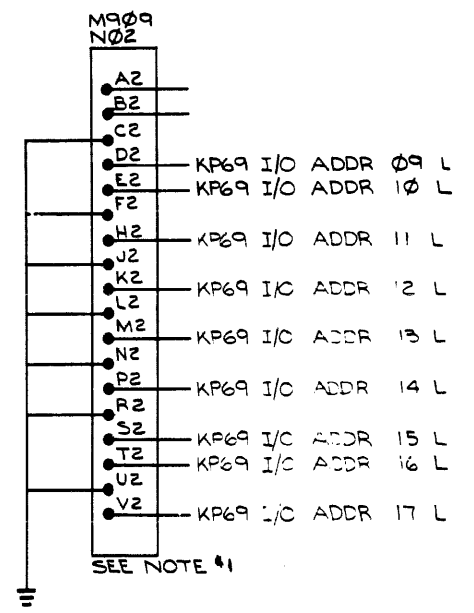
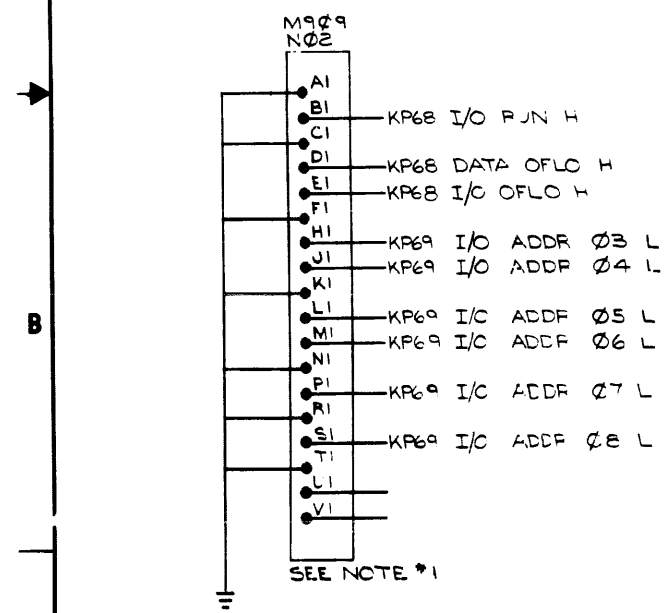
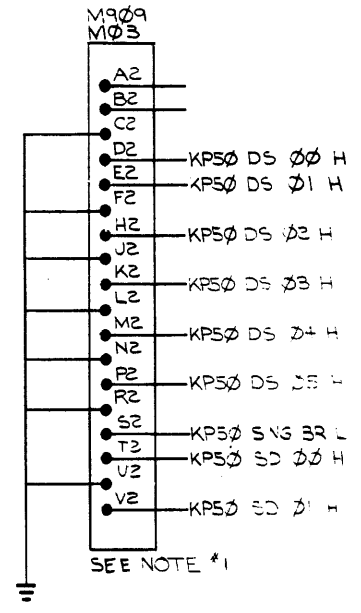
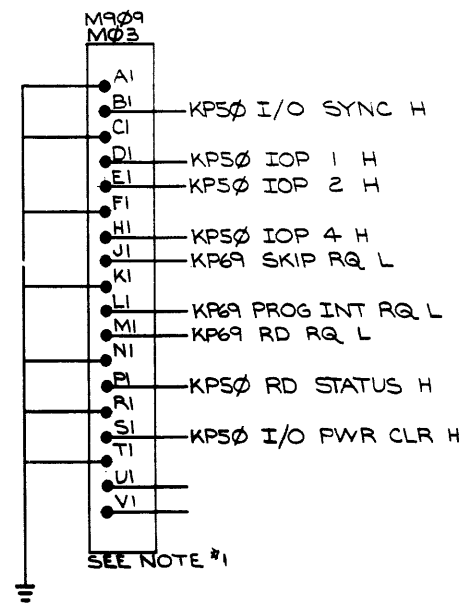
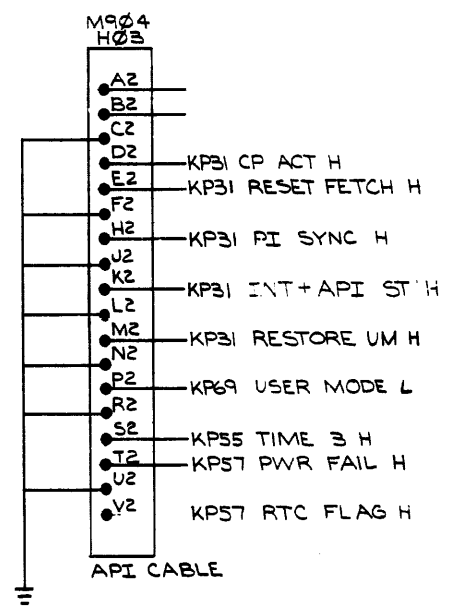
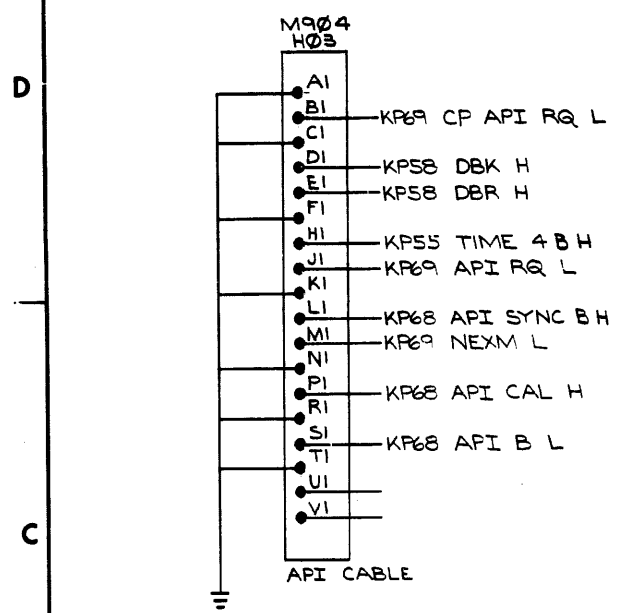
REV.	CHG.	DATE
1	1	3/75

DRN: 89-0-68	FIRST USED ON: KP15-C	DATE: 3/75
CHK'D BY: [Signature]	TITLE: I/O ADDRESS	
ENG: [Signature]		
PROJ. ENG: [Signature]		
PROD: [Signature]		
NEXT HIGHER ASSY:		
B- DD-KP15-C	SIZE CODE: D	NUMBER: BSKP15-C-68
SCALE: 1		
SHEET: 1	OF: 1	DIST: 1

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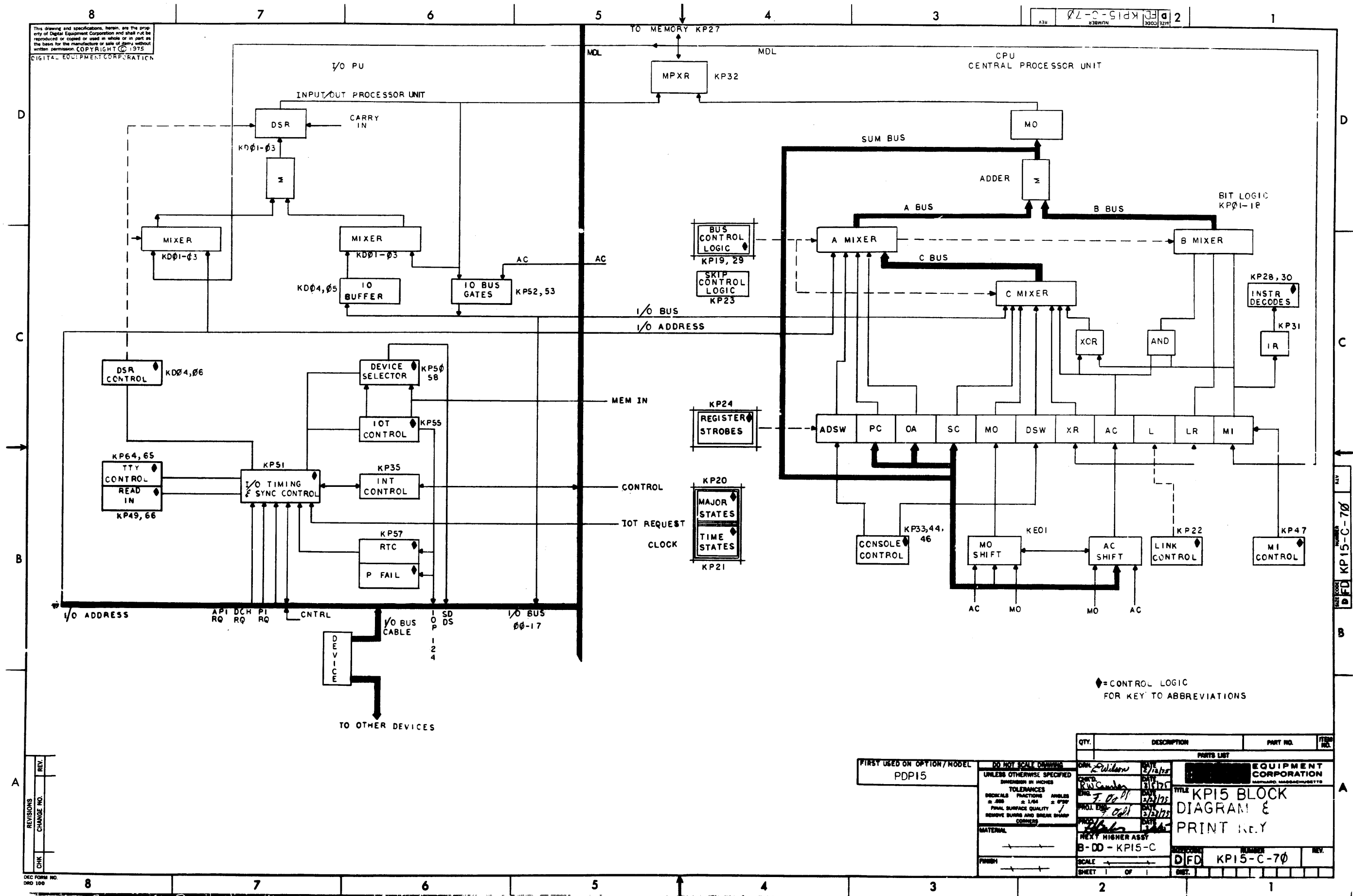
NOTES:

1. M909 TERMINATOR BOARDS IN M,N02, 03 ARE USED IN PLACE OF THE M912 I/O BUS CABLE CONNECTOR WHEN NO I/O BUS CABLE IS INCLUDED IN THE SYSTEM. IN SYSTEM USING AN I/O BUS CABLE THE M909'S MUST BE PLACED IN THE LAST DEVICE ON THE I/O BUS.
2. IF API (KA15) IS PART OF SYSTEM SIGNALS ON N03H2 AND N03P2 ARE RESPECTIVELY KP69 API 2 EN H AND KP69 API 3 EN H.
3. ON XVM SYSTEMS:
N03E2 IS KP57 AC LOW L
N03M2 IS KP57 DC LOW L

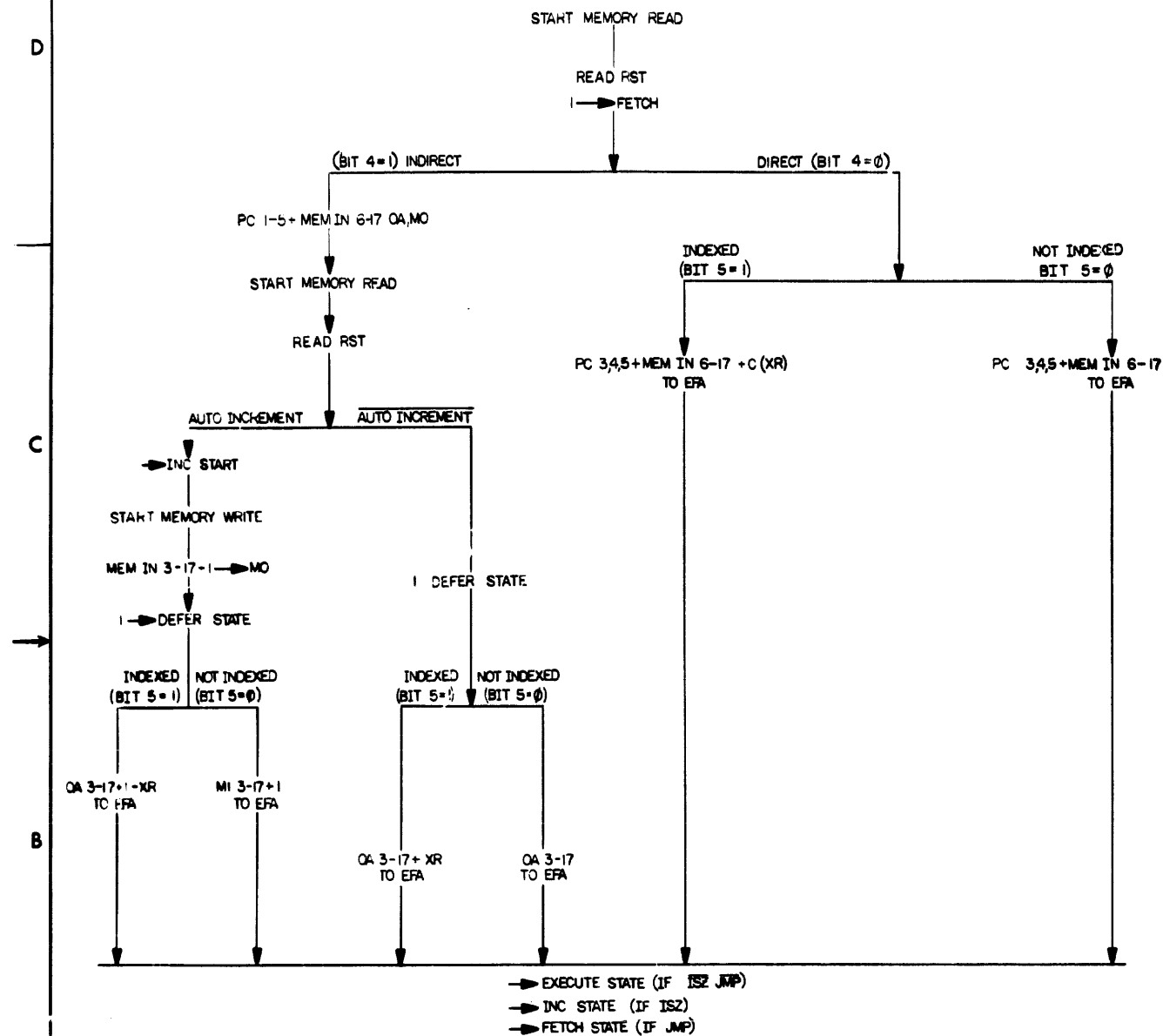


REV.	CHG.	DATE	BY	CHK.
1	1	10/1/75	W. J. 10/1/75	W. J. 10/1/75
2	1	10/1/75	W. J. 10/1/75	W. J. 10/1/75
3	1	10/1/75	W. J. 10/1/75	W. J. 10/1/75
4	1	10/1/75	W. J. 10/1/75	W. J. 10/1/75
5	1	10/1/75	W. J. 10/1/75	W. J. 10/1/75
6	1	10/1/75	W. J. 10/1/75	W. J. 10/1/75
7	1	10/1/75	W. J. 10/1/75	W. J. 10/1/75
8	1	10/1/75	W. J. 10/1/75	W. J. 10/1/75

DRN. 00000	4-3-75	FIRST USED ON	KP15-C	000001
CHK'D BY	W. J. 4-4-75	TITLE	I/O BUS CABLE	
ENG. 2	4-1-75	PROJ. ENG. 2	4-1-75	
PROD. 1	4-1-75	PROD. 1	4-1-75	
NEXT HIGHER ASSY.				
B-00-KP15-C		SIZE	CODE	NUMBER
SCALE		D	BS	KP15-C-69
SHEET		OF	DIST.	



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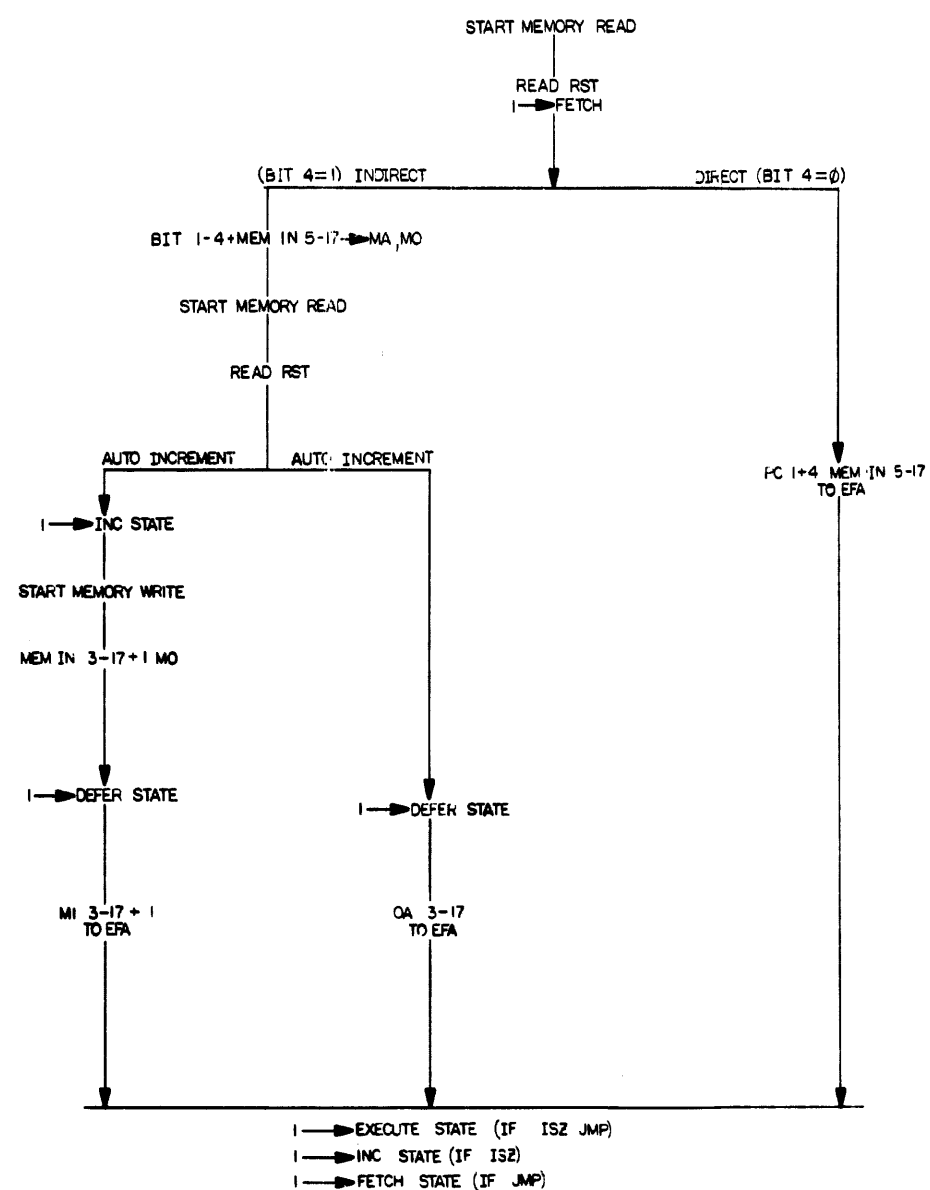


BANK MODE = $\emptyset$
NORMAL

EFA = EFFECTIVE ADDRESS

REV.	CHG.	NO.
1	1	1

DEC FORM NO.
DRD 100



BANK MODE = 1
PDP 9 COMPATIBLE

EFA = EFFECTIVE ADDRESS

FIRST USED ON OPTION/MODEL
PDP15-C

DO NOT SCALE DRAWING	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
+	+

QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	PDP15 ADDRESS CALCULATION FLOW CHART	B-DD-KP15-C	1
1	SCALE	1/4" = 1"	1
1	SHEET	OF 1	1

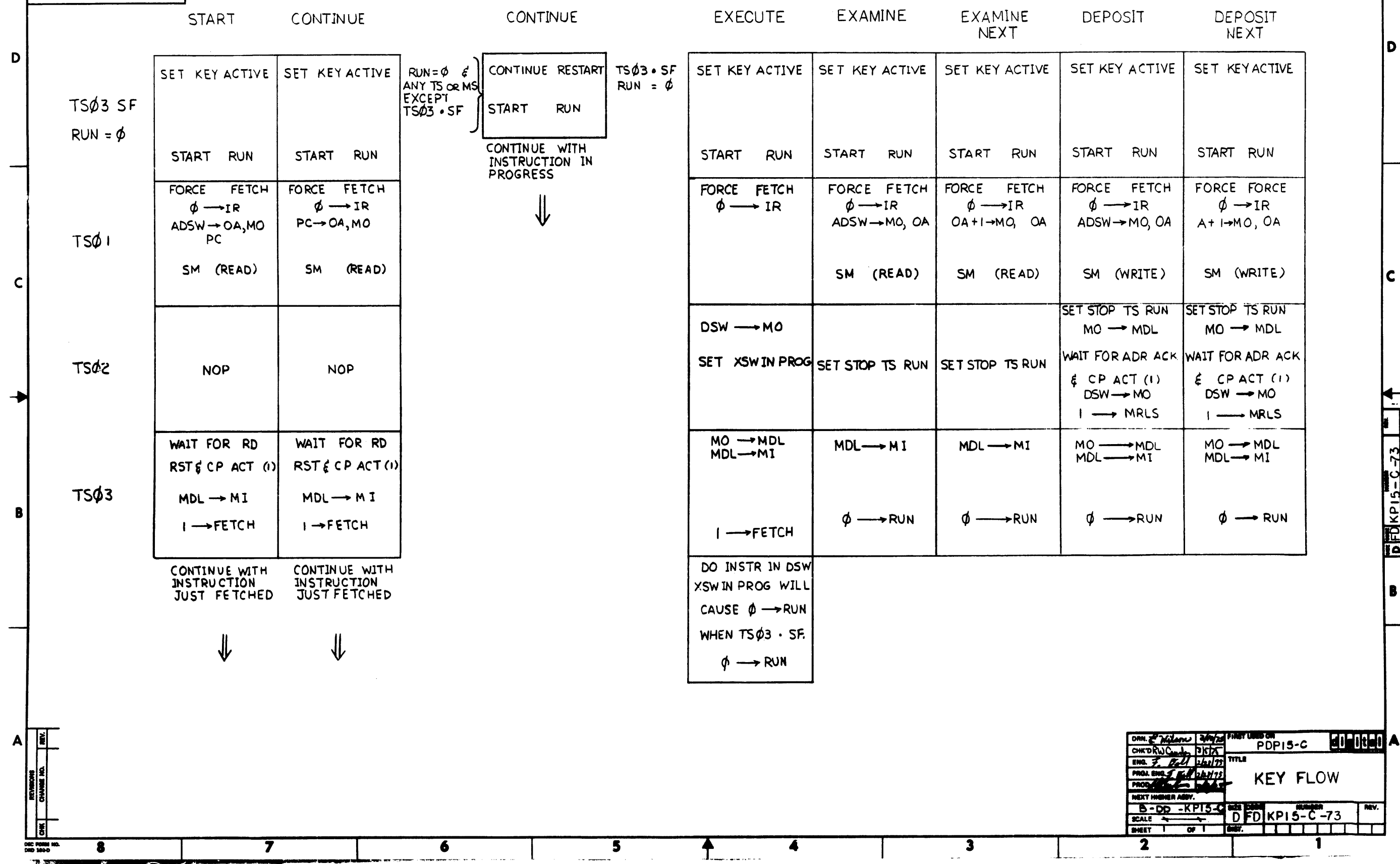
digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE
PDP15 ADDRESS CALCULATION FLOW CHART

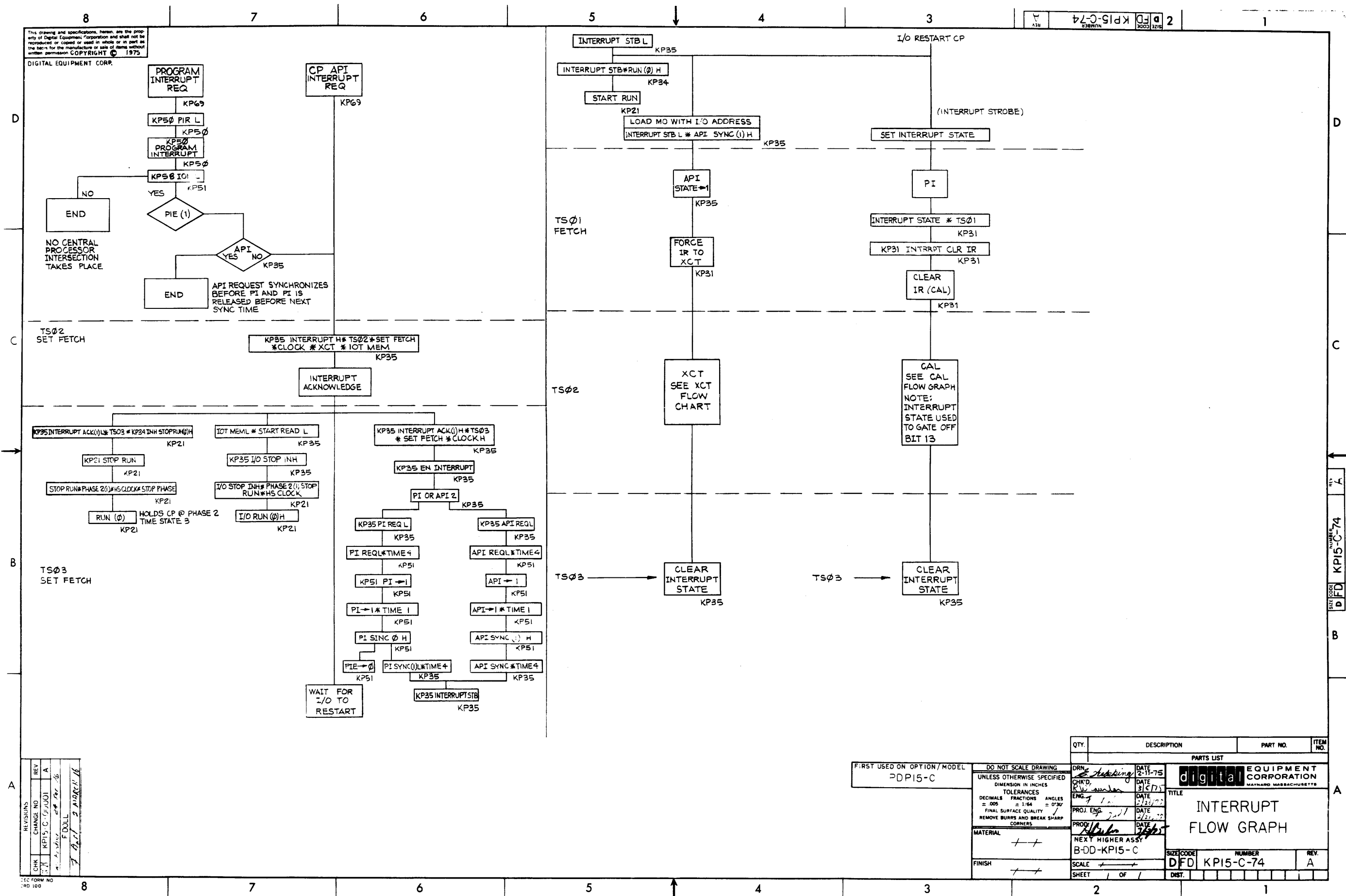
SIZE CODE
D/FD KP15-C-71

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22-0-S15-KP15-C-73



OWN. <i>[Signature]</i>	DATE <i>2/2/75</i>	FIRST USED ON	PDP15-C	20-08-00
CHK'D BY <i>[Signature]</i>	DATE <i>2/2/75</i>	TITLE	KEY FLOW	
ENG. <i>[Signature]</i>	DATE <i>2/2/75</i>	PROJ. ENG. <i>[Signature]</i>	REV.	
PROD. <i>[Signature]</i>	DATE <i>2/2/75</i>	NEXT HIGHER ASSY.		
B-00-KP15-C		SCALE	D FD KP15-C-73	REV.
SHEET 1	OF 1	ENY.		



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TSØ1

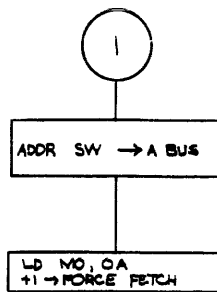
TSØ2

TSØ3

NOTES:

1. RI EXECUTE SET BY (PCO RI-SKIP) V (TTY RI-HOLE7)
2. RI STORE = FIRST CHAR - EPCO RI V (TTY RI-THIRD CHAR))

KEY READ IN → +1 → READ IN
+1 → TTY READ IN OR
+1 → PCO READ IN
+1 → KEY ACTIVE
+1 → START RUN
+1 → FIRST CHAR



STOP
IS
RUN

2

STOP
IS
RUN

3

Ø → FIRST CHAR
FORCE GROUP 2 INST
TO START MEMORY
SM(W)

→ FORCE FETCH

FORCE DACWTSØ2*(F+D)
TO STORE AC IN LOC Q(OA)

RI EXECUTE
RI EXECUTE

STOP
IS
RUN

AC → MO
MO → MDL

OA → OA, MO

AC → MO
MO → MDL

MDL → MEMIN
J → ALL RI

WAIT FOR IDP2

IDP 2-TTY RI
S16 → A BUS

IDP 2-PCO RI
IDB → C BUS

IDP 2-TIMES-RT

+1 → START RUN

STROBE IDP 2 → LD AC

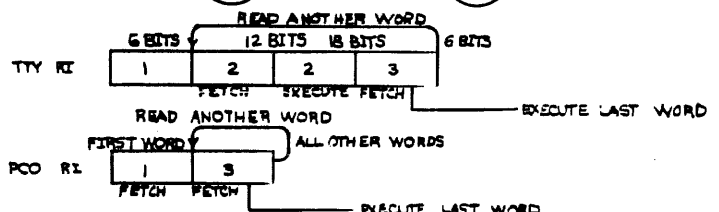
RI STORE

RI STORE

2

3

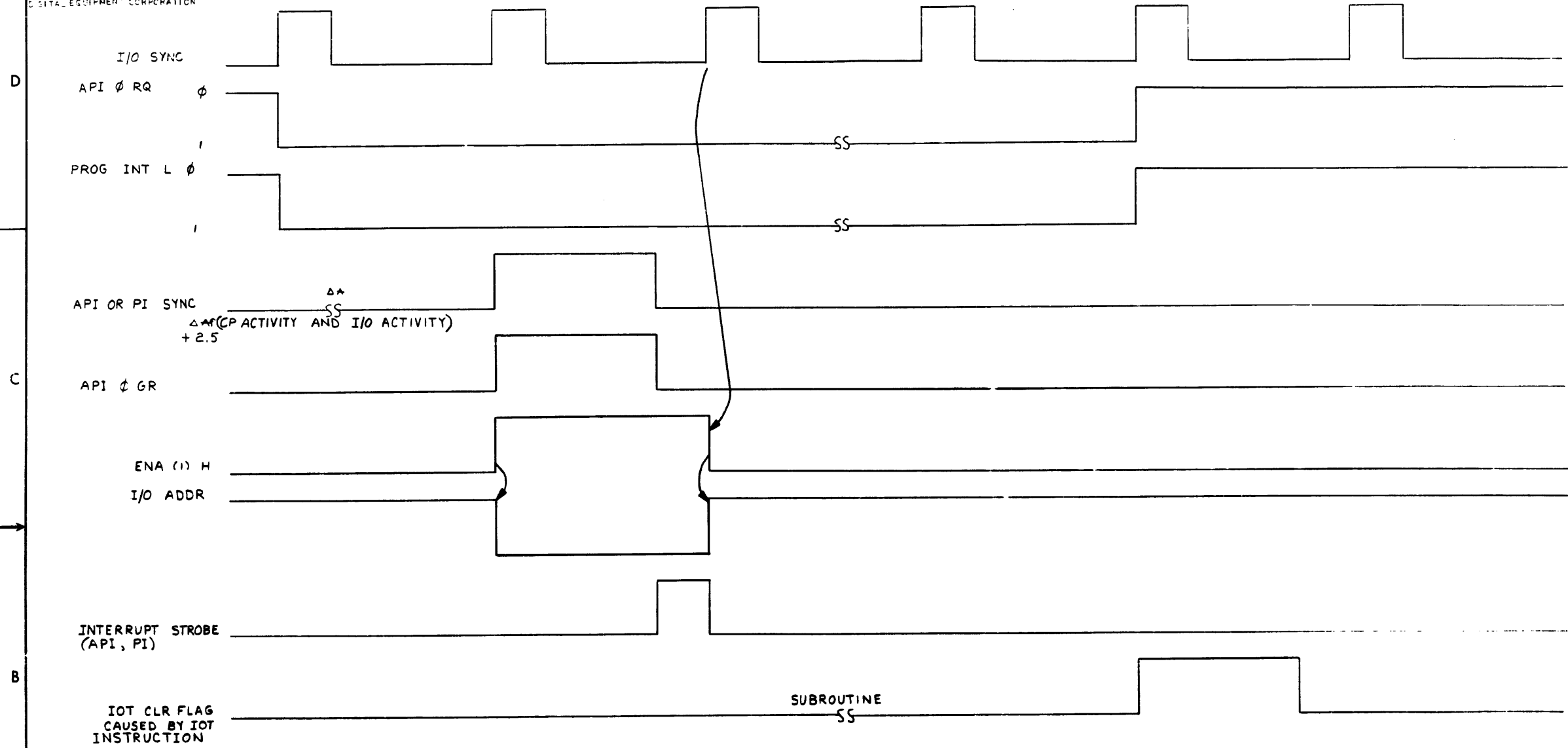
FETCH
TSØ1



DRN. <i>3/7/75</i>	FIRST USED ON	30-00-01
CHK'D <i>W. G. 3/15/75</i>	KP15-C	
ENG. <i>J. D. 3/15/75</i>	TITLE	
PROJ. ENG. <i>J. D. 3/15/75</i>	READ IN FLOW	
PROD. <i>3/15/75</i>	NUMBER	
NEXT HIGHER ASSY.	REV.	
B-00-KP15-C	SIZE D	FD
SCALE	SHEET 1 OF 1	
DEC. FILE NO. 000 148-0	SHEET 1 OF 1	

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REV. 2
DITD KPI5-C-77



REV.	CHANGE NO.
1	1

FIRST USED ON OPTION/MODEL
PDP15-C

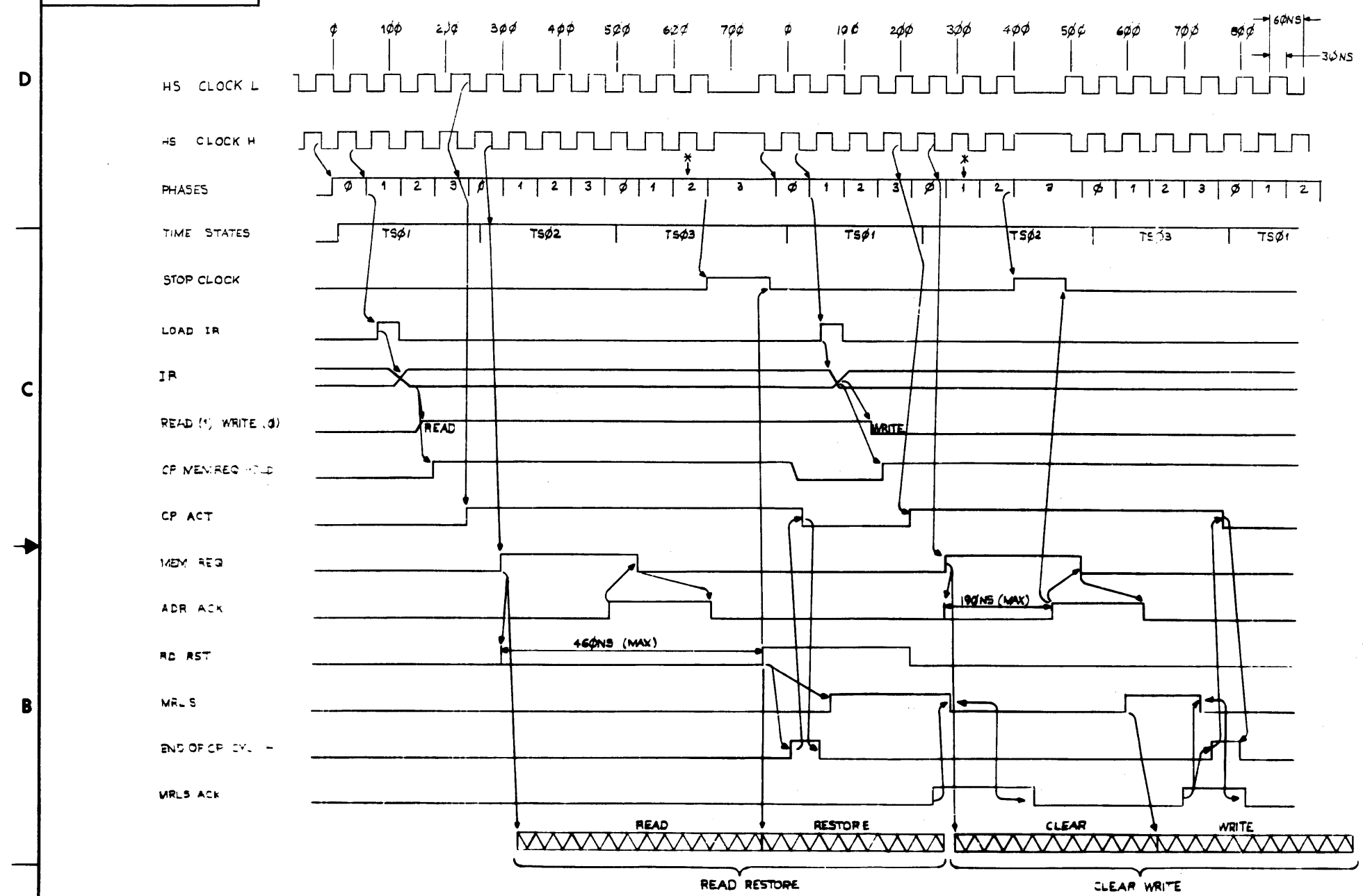
DO NOT SCALE DRAWING
UNLESS OTHERWISE SPECIFIED
DIMENSIONS IN INCHES
TOLERANCES
DIMENSIONAL FRACTIONS
DECIMALS
ANGLES
± .005
± 1/64
± 0°30'
FINAL SURFACE QUALITY
REMOVE BURRS AND BREAK SHARP CORNERS
MATERIAL
FINISH

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DIGITAL EQUIPMENT CORPORATION MAYFIELD MASSACHUSETTS			
TITLE API/PI TIMING DIAGRAM BUS SIGNALS			
NEXT HIGHER ASST B-DD-KPI5-C			
SCALE SHEET 1 OF 1			
DITD KPI5-C-77			

DITD KPI5-C-77

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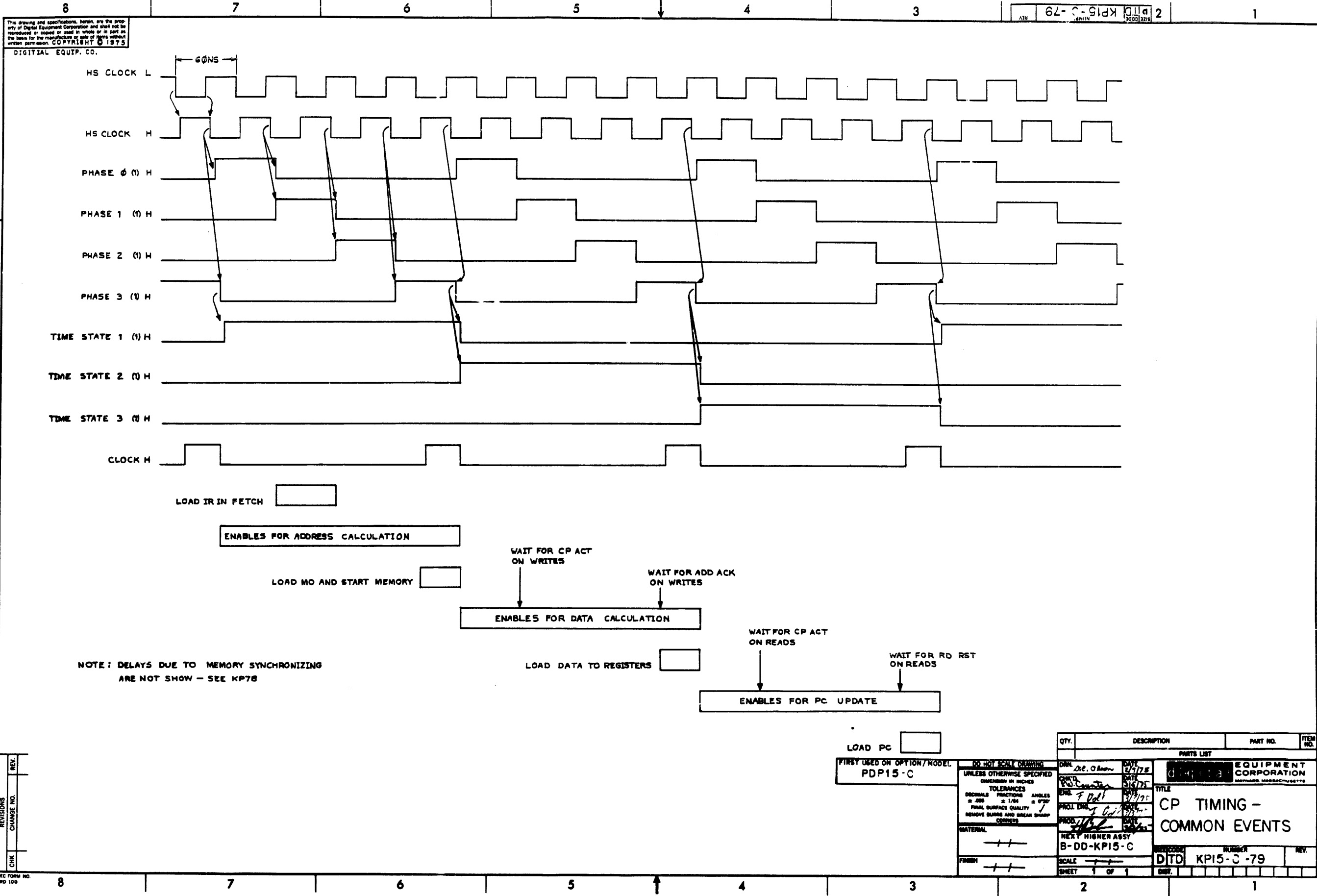
REV. 2 DTD KPI5-C-78



NOTE: *HOLD IN PHASE 2 WITH CLOCK RUNNING IF DO ACT WAIT FOR MEMORY AVAILABILITY TO CP.
THIS CHART SHOWS WORSE CASE TIMING SITUATIONS. TYPICAL TIMING MAY SHOW AS MUCH AS 50% LESS DELAY BETWEEN CERTAIN SIGNALS

REV.	CHG.	NO.
1	1	1

DRN	2/17/78	FIRST USED ON	PDP15-C
CHK'D BY	5/15/78	TITLE	CP MEMORY TIMING
ENG.	5/24/78	SCALE	
PROJ. ENG.	5/24/78	NUMBER	
PROD.	5/24/78	REV.	
NEXT HIGHER ASSY.		SIZE	D
B-00-KP15-C		CODE	TD
SHEET 1 OF 1		DNST.	



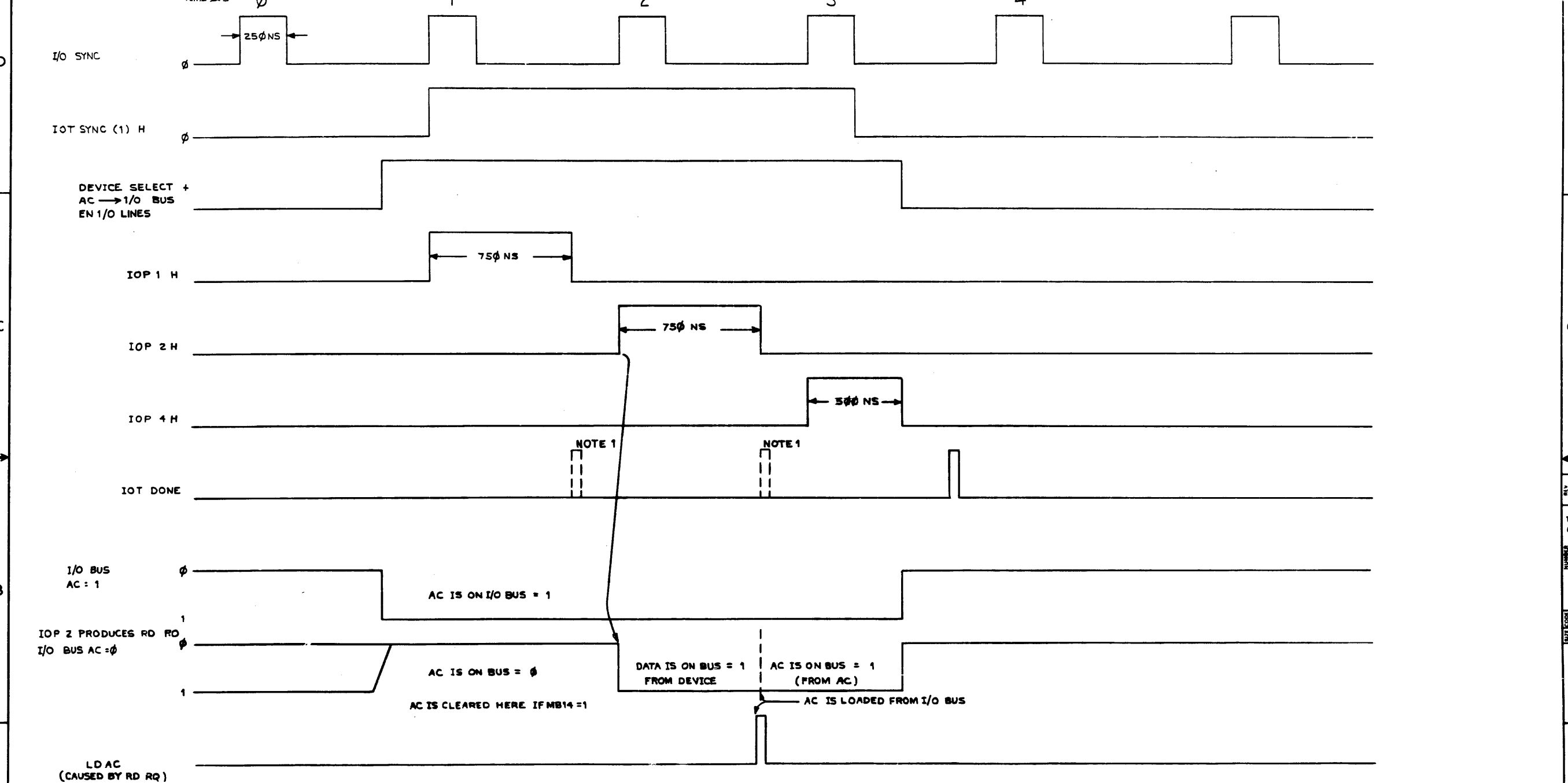
REV. 1
PART NO. KPI5-C-79
ITEM NO. 1

TITLE
CP TIMING -
COMMON EVENTS

NUMBER
KPI5-C-79

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NOTE: 1. IOT DONE IS ISSUED WITH LAST IOP PULSE

REV.	CHANGE NO.	DATE
1	1	12/1/75

DEC FORM NO. 100

FIRST USED ON OPTION/MODEL
PDP15-C

DO NOT SCALE DRAWING
UNLESS OTHERWISE SPECIFIED
DIMENSIONS IN INCHES
TOLERANCES
DECIMALS FRACTIONS ANGLES
 $\pm .005$ $\pm 1/64$ ± 0.005
FINAL SURFACE QUALITY
REMOVE BURRS AND BREAK SHARP CORNERS
MATERIAL
FINISH

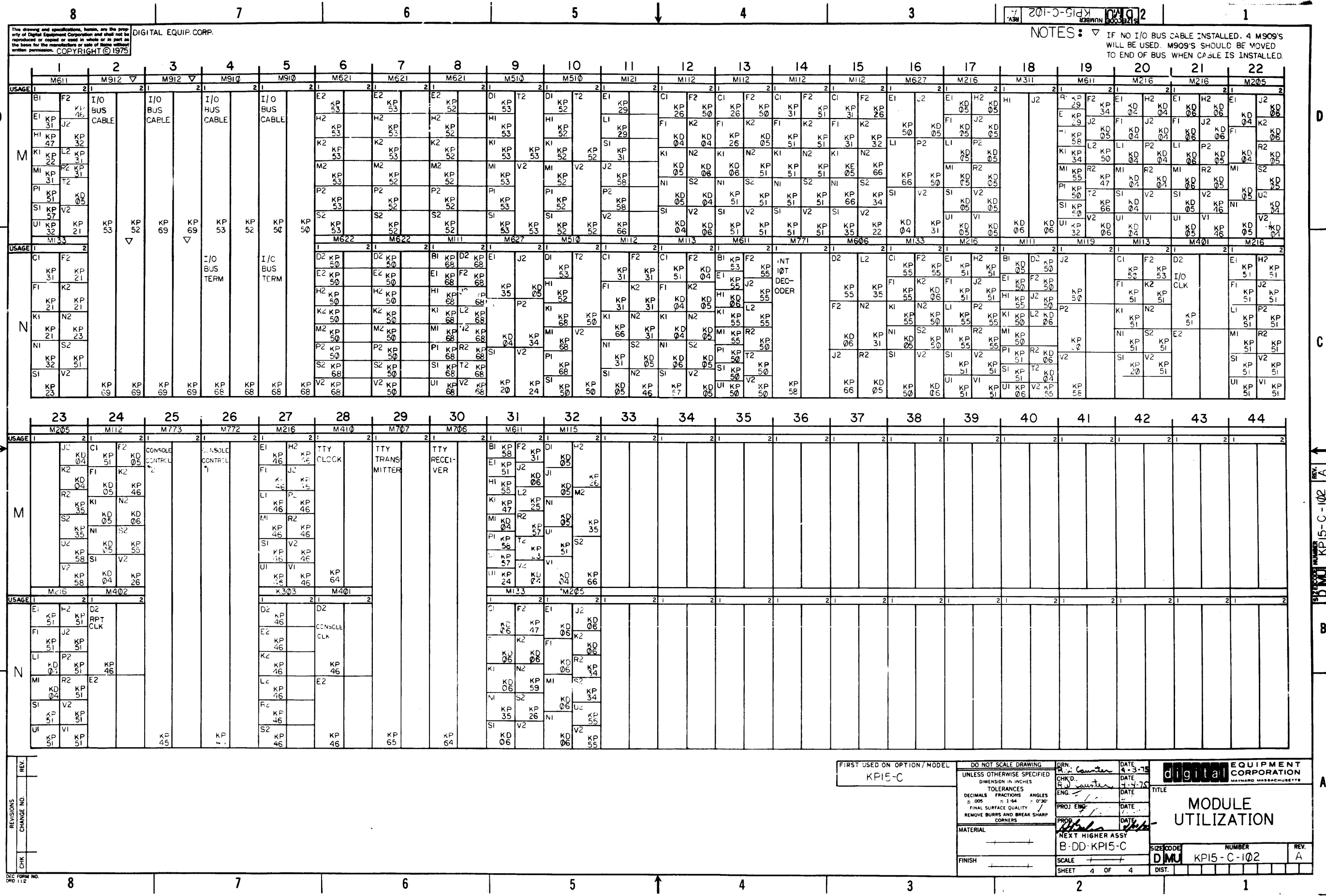
QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	IOT INSTRUCTION TIMING DIAGRAM BUS SIGNAL		
EQUIPMENT CORPORATION NORTH AND, MASSACHUSETTS			
TITLE IOT INSTRUCTION TIMING DIAGRAM BUS SIGNAL			
PARTS LIST			
B-DD-KP15-C			
NEXT HIGHER ASSY			
SCALE 1 OF 1			
SHEET 1 OF 1			

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DIGITAL EQUIP. CORP.

REVISIONS	
CHANGE NO.	REV.
KPI5-C-1001	A
CHK	

FIRST USED ON OPTION MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.	
KPI5-C					
PARTS LIST					
DRN.	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS TITLE KPI5-C WIRE LIST			
CHK'D	DATE				
ENG.	DATE				
PROJ. ENG.	DATE				
PROD.	DATE				
NEXT HIGHER ASSEMBLY					
D-AD-7010815-0-0		SIZE	CODE	NUMBER	REV.
SCALE		K	WL	KPI5-C-101	A
SHEET	OF	DIST.			



DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS						QUANTITY / VARIATION									
PARTS LIST															
MADE BY R. CADWYER		CHECKED R W Caunter		SECTION											
DATE 3/11/75		DATE 3/19/75													
ENG F. Dole		PROD T. H. K.		ISSUED SECT.											
DATE 3/21/75		DATE 3/14/75													
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION													
1	G8270	POWER SEQ DETECTOR				1									
2	K303	TIMER				2									
3	M002	LOGIC 1 SOURCE				1									
4	M111	INVERTERS				5									
5	M112	NOR GATES				13									
6	M113	NAND GATES				10									
7	M115	NAND GATES				2									
8	M119	NAND GATES				1									
9	M121	AND/NOR GATES				2									
10	M127	AND/NOR GATES				3									
11	M129	AND/NOR GATES				2									
12	M133	NAND GATES				19									
13	M135	NAND GATES				11									
14	M139	NAND GATES				7									
15	M149	NAND WIRED OR MATRIX				12									
16	M161	BINARY TO OCTAL DECODER				1									
17	M164	6 BIT PARALLEL ADDER				3									
18	M205	D FLIP-FLOPS				9									
19	M206	D FLIP-FLOPS				1									
20	M214	6 BIT STORAGE REGISTER				3									
21	M216	D FLIP-FLOPS				12									
22	M218	EAE MQ REGISTER				2									

TITLE	ASSY NO. D-MU-KP15-C-102	SIZE CODE A PL	NUMBER KP15-C-102	REV. A	ECO NO KP15-C-00001
KP15-C MODULE UTILIZATION	SHEET 1 OF 3	DIST.			

DEC FORM DEC 16 (325) 1031 N870
DRA 110

[illegible]

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

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS						QUANTITY / VARIATION									
PARTS LIST															
MADE BY R. CAUNTER		CHECKED R W Caunter		SECTION											
DATE 3/11/75		DATE 3/18/75													
ENG 7 P.		PROD H.R.		ISSUED SECT.											
DATE 3/20/75		DATE 3/22/75													
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION													
23	M219	STEP COUNTER & CONTROL				1									
24	M226	7 BIT REGISTER				18									
25	M227	AC SHIFTER				2									
26	M240	R-S FLIP-FLOPS				1									
27	M242	J-K FLIP-FLOPS				6									
28	M311	TAPPED DELAY LINES				1									
29	M401	VARIABLE CLOCK				2									
30	M402	PHOTO MOD CLOCK				1									
31	M410	VARIABLE CLOCK				1									
32	M510	I/O BUS RECEIVER				3									
33	M602	PULSE AMPLIFIERS				4									
34	M606	PULSE GENERATORS				1									
35	M611	HIGH-SPEED POWER INVERTERS				12									
36	M621	DATA BUS DRIVERS				6									
37	M622	I/O BUS DRIVERS				5									
38	M627	NAND POWER AMPLIFIERS				19									
39	M706	TELETYPE RECEIVER				1									
40	M707	TELETYPE TRANSMITTER				1									
41	M770	EAE CONTROL				1									
42	M771	INTERNAL IOT DECODER				1									
43	M772	CONSOLE CONTROL #1				1									
44	M773	CONSOLE CONTROL #2				1									

TITLE
KP15-C MODULE UTILIZATION

ASSY NO.
D-MU-KP15-C-102

SHEET 2 OF 3

SIZE CODE
A PL

DIST.

NUMBER
KP15-C-102

REV. ECO NO
A

DEC FORM DEC 16-(325)-1071-N870
DRA 110

THIS IS PRINT SET

SEQUENCE 70

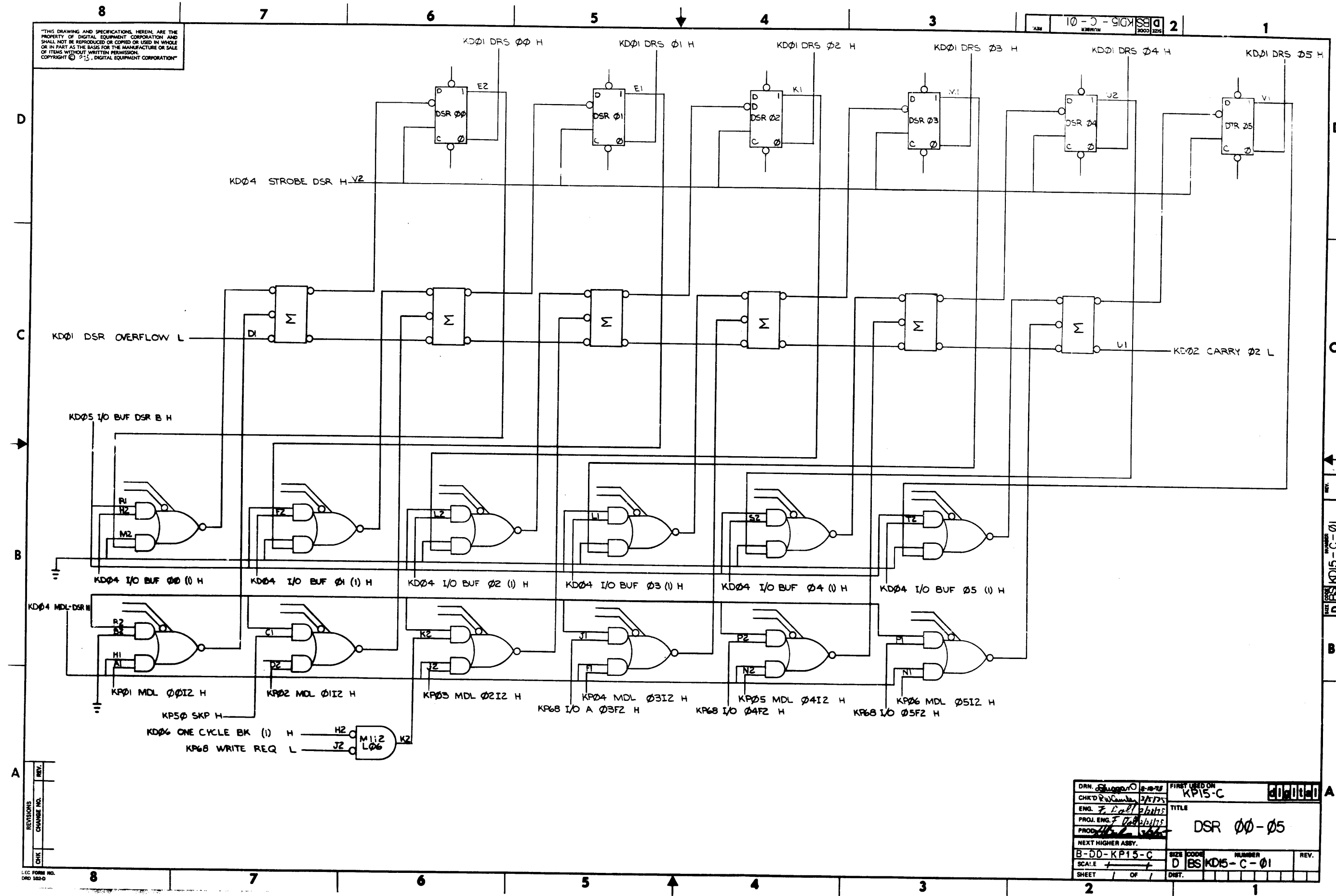
[illegible]

DEC 16 (3:20) 1042-1A-R972

REVISIONS			
DATE	CHG. NO.	REV	
2-76	KD15-C-1	A	

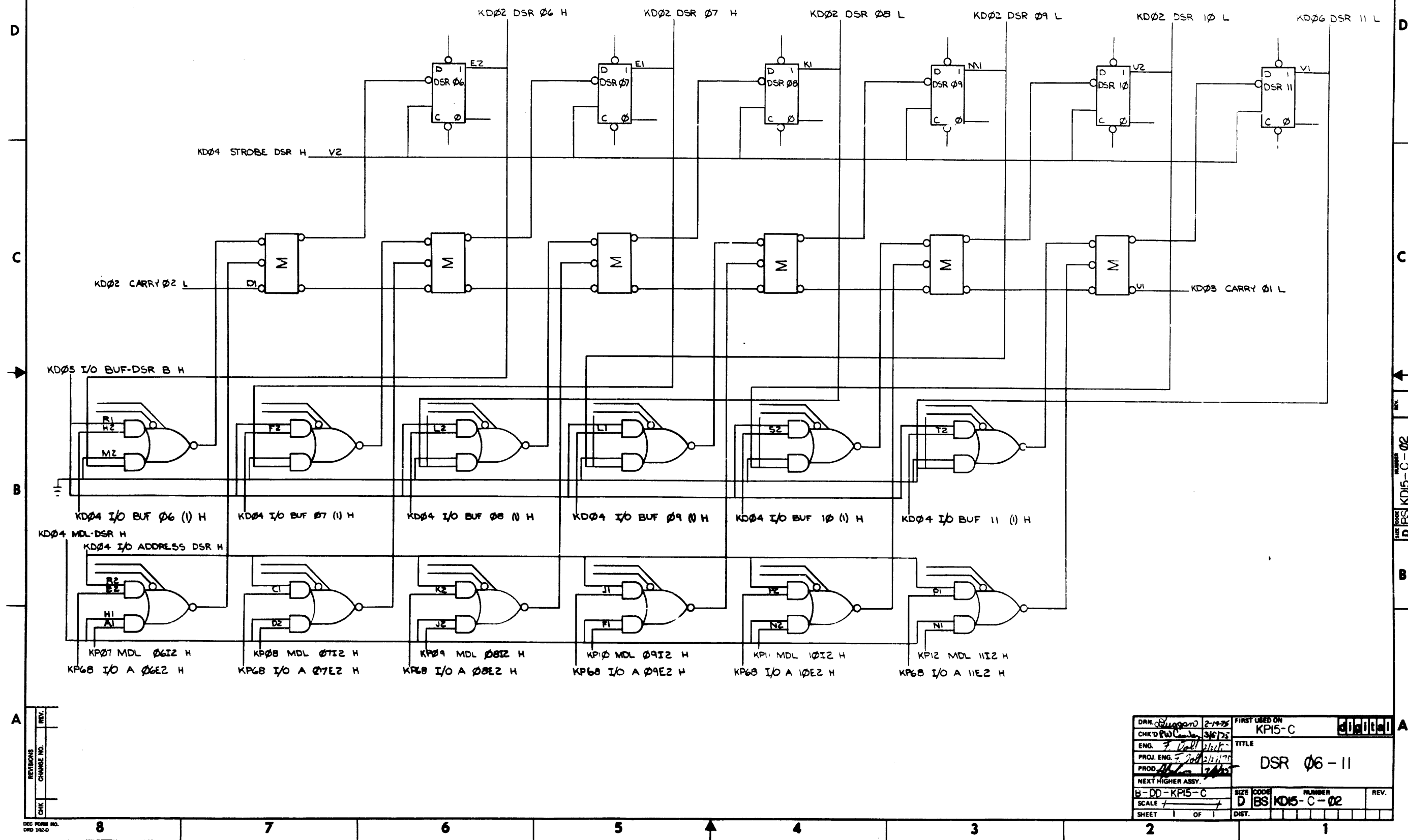
USED CN OPTION/MODEL		DRN. R W Counter	DATE 3/17/75	TITLE KD15-C DATA CHANNEL									
FDP15-C		CHK'D <i>[Signature]</i>	DATE 4/24/75										
		PROJ ENG. <i>[Signature]</i>	DATE 4/29/75										
		PROD. <i>[Signature]</i>	DATE 4/11/75										
		FIELD SERV. <i>[Signature]</i>	DATE 4/30/75	SIZE B	CODE DD	NUMBER KD15-C						REV A	
SHEET	1	OF	2	DIST									

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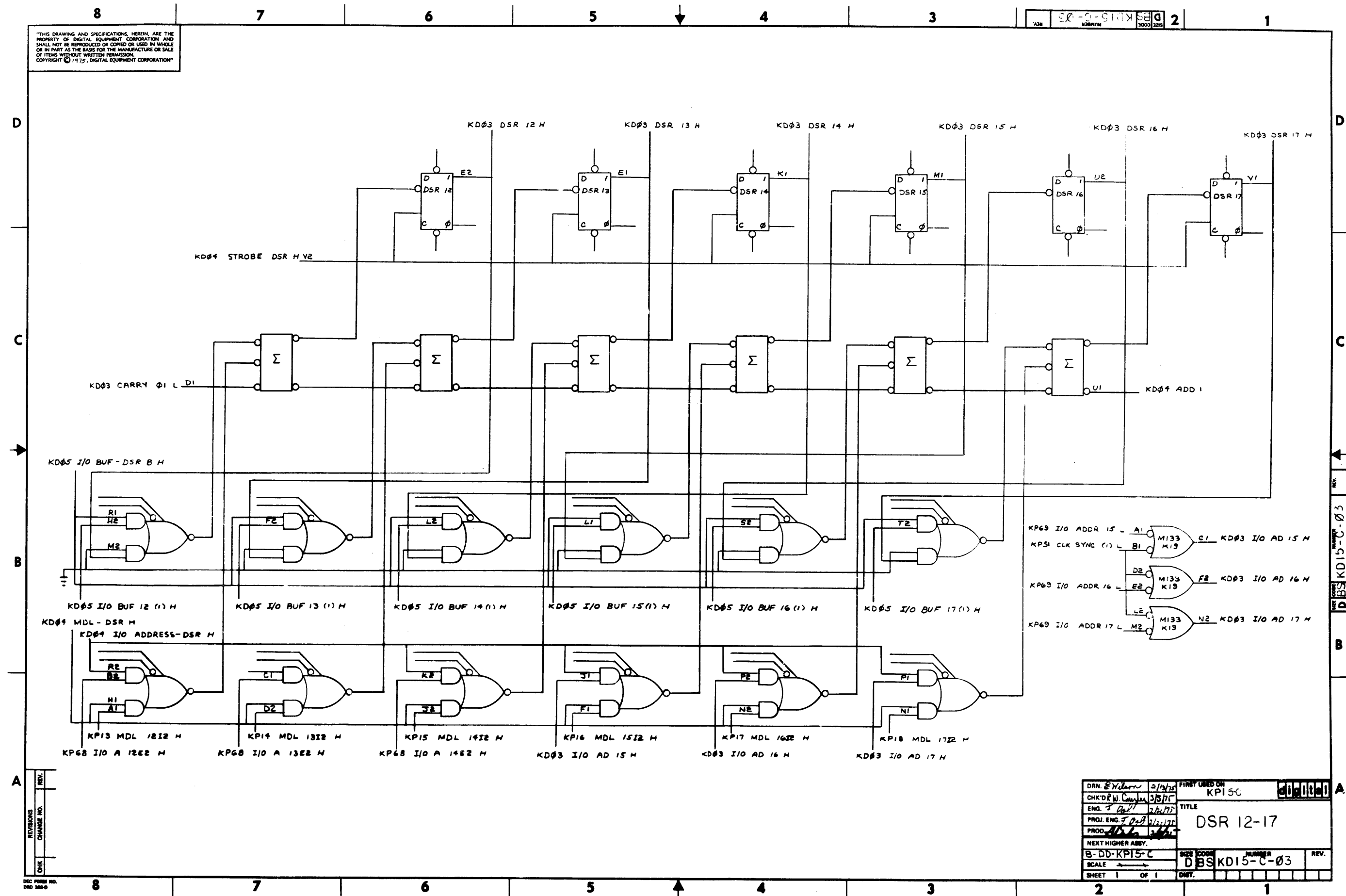


DRN. <i>[Signature]</i>	8-8-75	FIRST USED ON	KP15-C
CHK'D <i>[Signature]</i>	3/5/75	TITLE	DSR 00-05
ENG. <i>[Signature]</i>			
PROJ. ENG. <i>[Signature]</i>			
PROD. <i>[Signature]</i>			
NEXT HIGHER ASSY.		SIZE	CODE
SCALE		D	BS
SHEET		OF	1
REV.		REV.	

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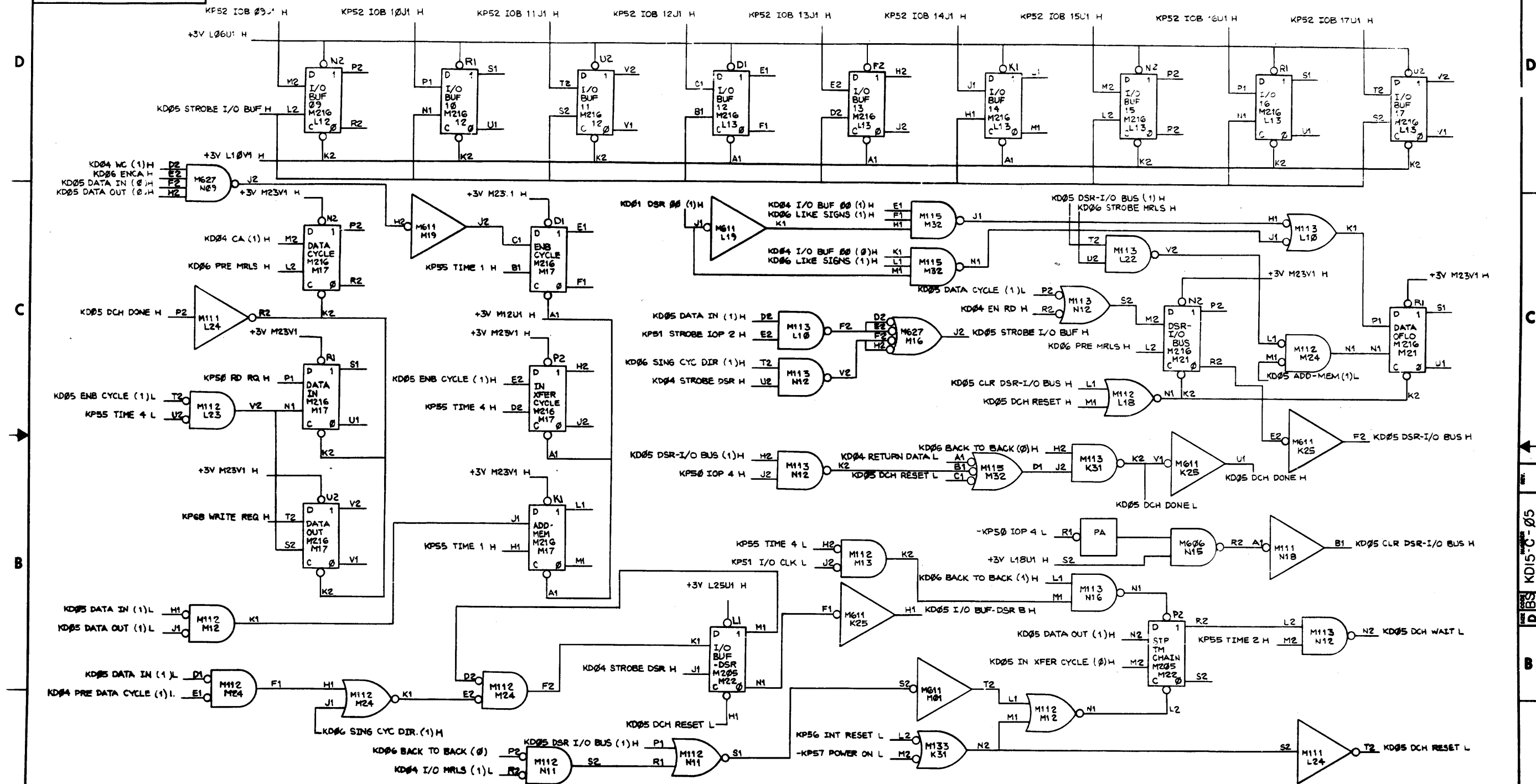
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DRN: E. Wilson	2/14/75	FIRST USED ON	KPI5C
CHK'D BY: W. C. Wilson	3/5/75	TITLE	DSR 12-17
ENG: J. DeWitt	2/16/75	SCALE	1 OF 1
PROJ. ENG: J. DeWitt	2/16/75	SCALE	1 OF 1
PROD: J. DeWitt	2/16/75	SCALE	1 OF 1
NEXT HIGHER ASSY.		SCALE	1 OF 1
B-DD-KPI5-C		SCALE	1 OF 1
SCALE		SCALE	1 OF 1
SHEET		SCALE	1 OF 1

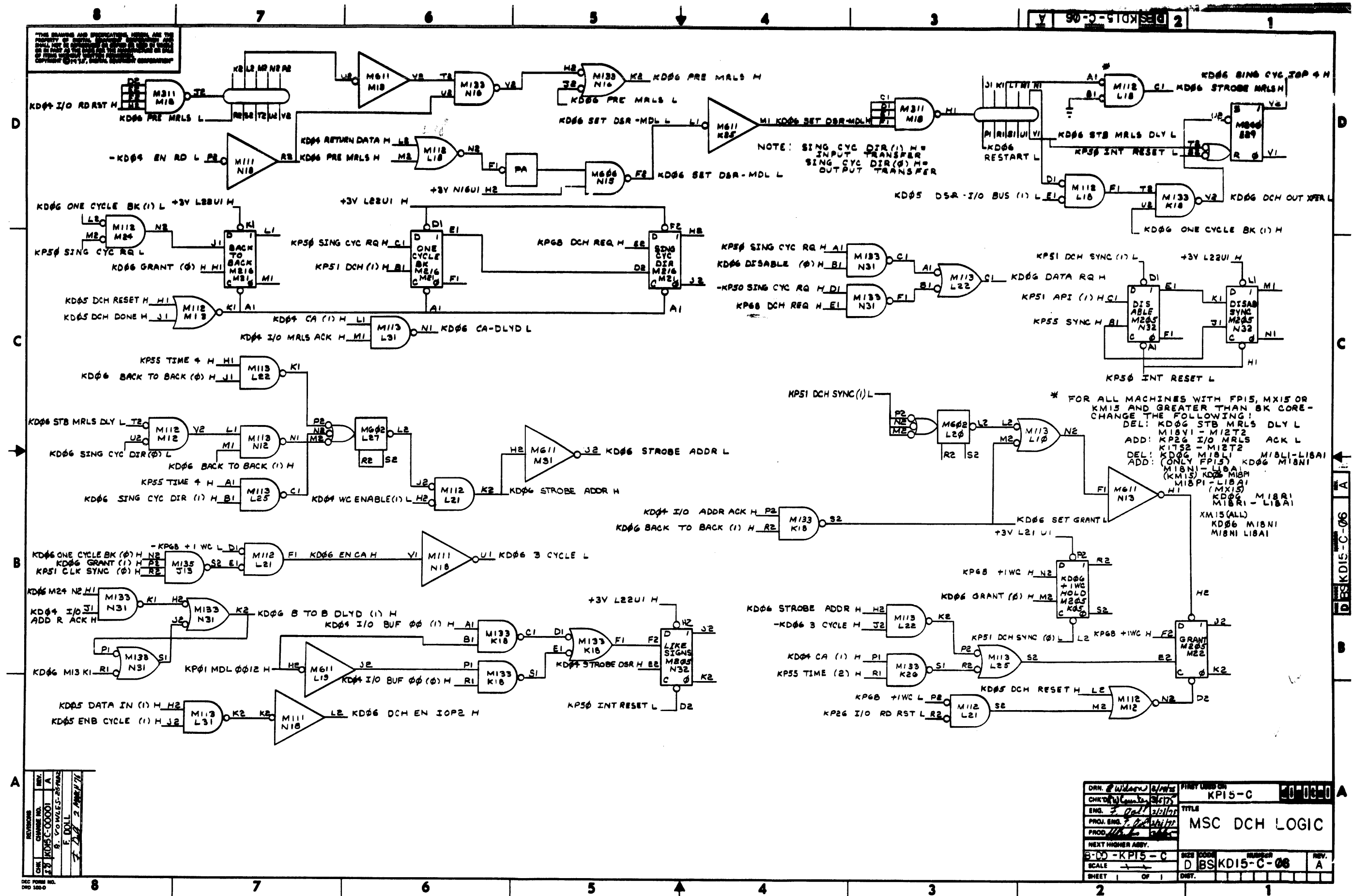
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8 7 6 5 4 3 2 1
K015-C-05



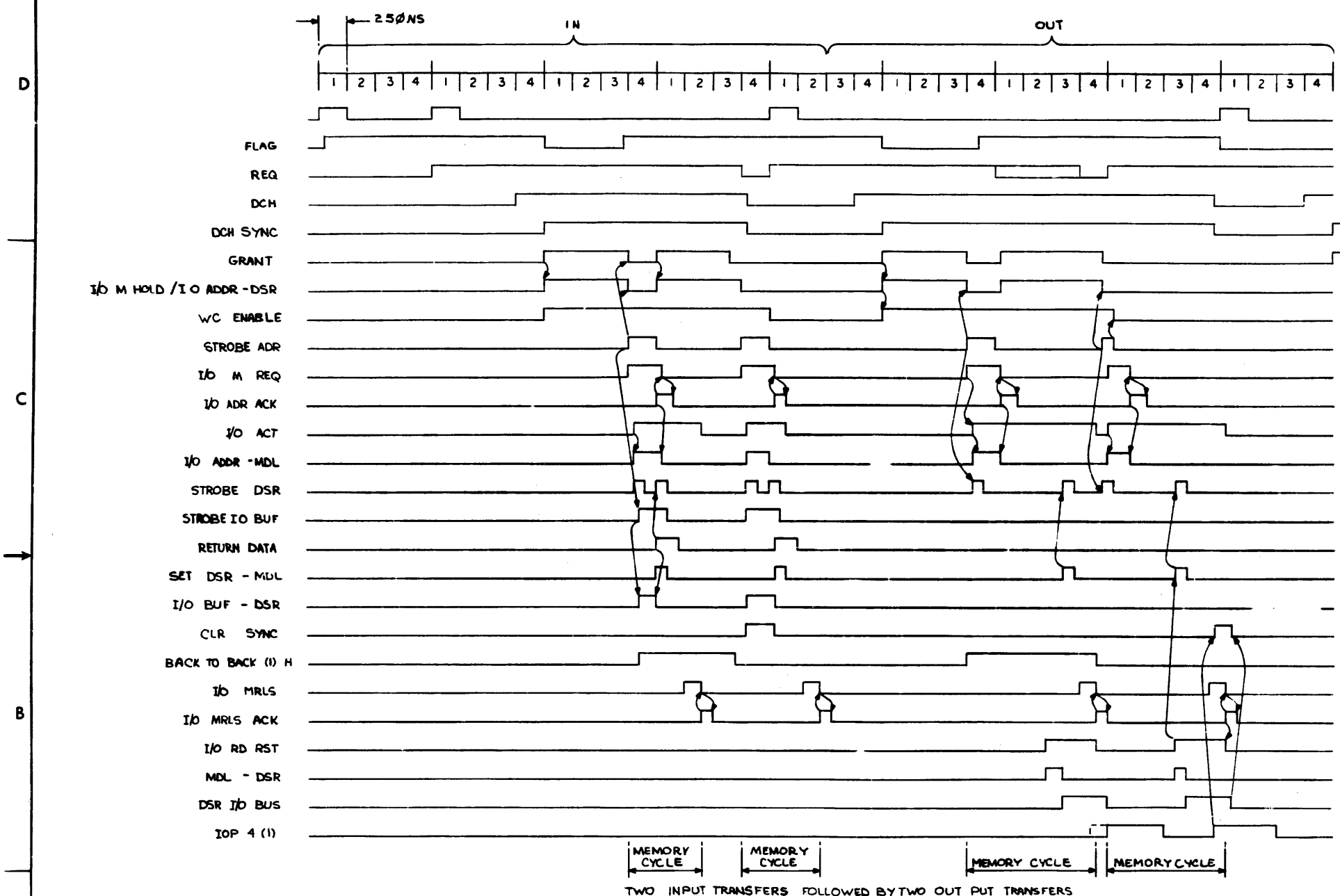
REV.	CHANGE NO.
1	1

DRN: 2/4/75	FIRST DESIGN	K015-C
CHK'D: 3/5/75	TITLE	I/O BUF 09-17
ENG: 7/2/75	PROD: 7/2/75	
NEXT HIGHER ASSY:	SCALE: 1:1	
B-D-K015-C	SIZE: D	CODE: BS
SHEET: 1	OF: 1	DWT: 1



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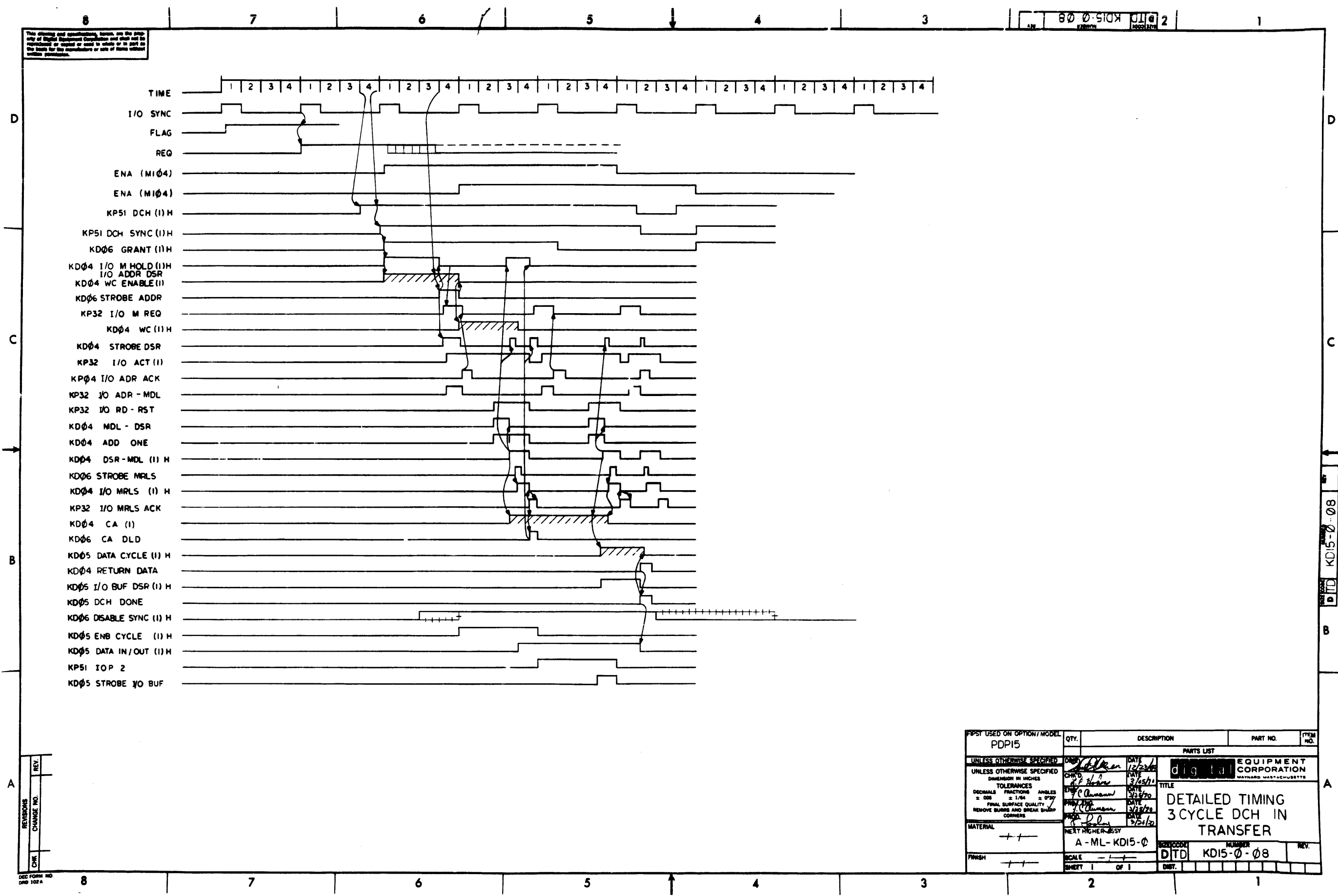
20-0-GHX 1012



REV.	CHANGE NO.
1	1

DEC FORM NO. 102A

FIRST USED ON OPTION/ MODEL PDP15		QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED		PARTS LIST			
UNLESS OTHERWISE SPECIFIED		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
DIMENSION IN INCHES		TITLE DETAILED TIMING - SINGLE CYCLE IN&OUT TRANSFERS			
TOLERANCES		DATE 12/30/70			
DECIMALS FRACTIONS ANGLES		DATE 12/30/70			
± .005 ± .001 ± .001		DATE 12/30/70			
FINAL SURFACE QUALITY		DATE 12/30/70			
REMOVE BURRS AND BREAK SHARP CORNERS		DATE 12/30/70			
MATERIAL		NEXT HIGHER ASSY A-ML-KD15-0			
FINISH		SCALE SHEET 1 OF 1			
		DITD KD15-0-07			



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80-0-510X DIT 2

80-0-510X DIT 2

80-0-510X DIT 2

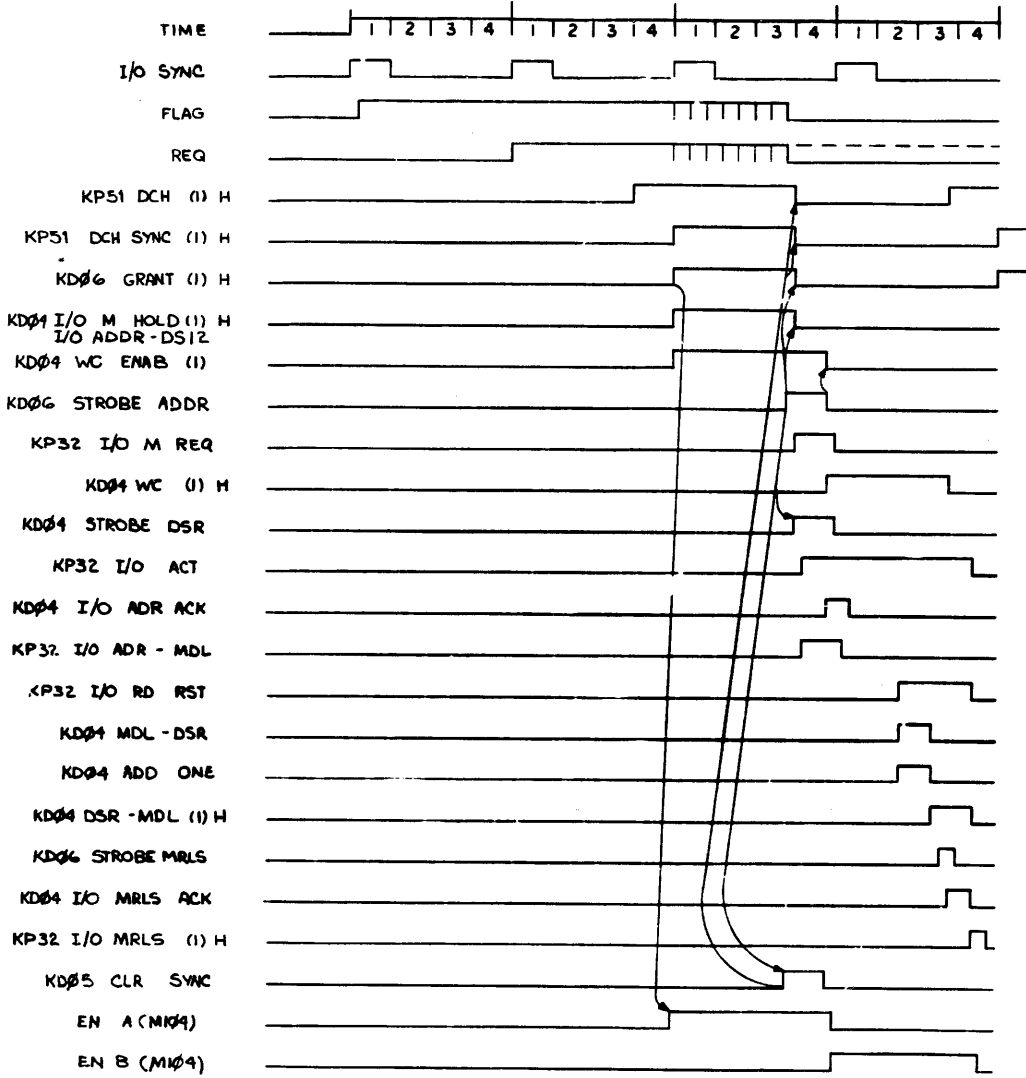
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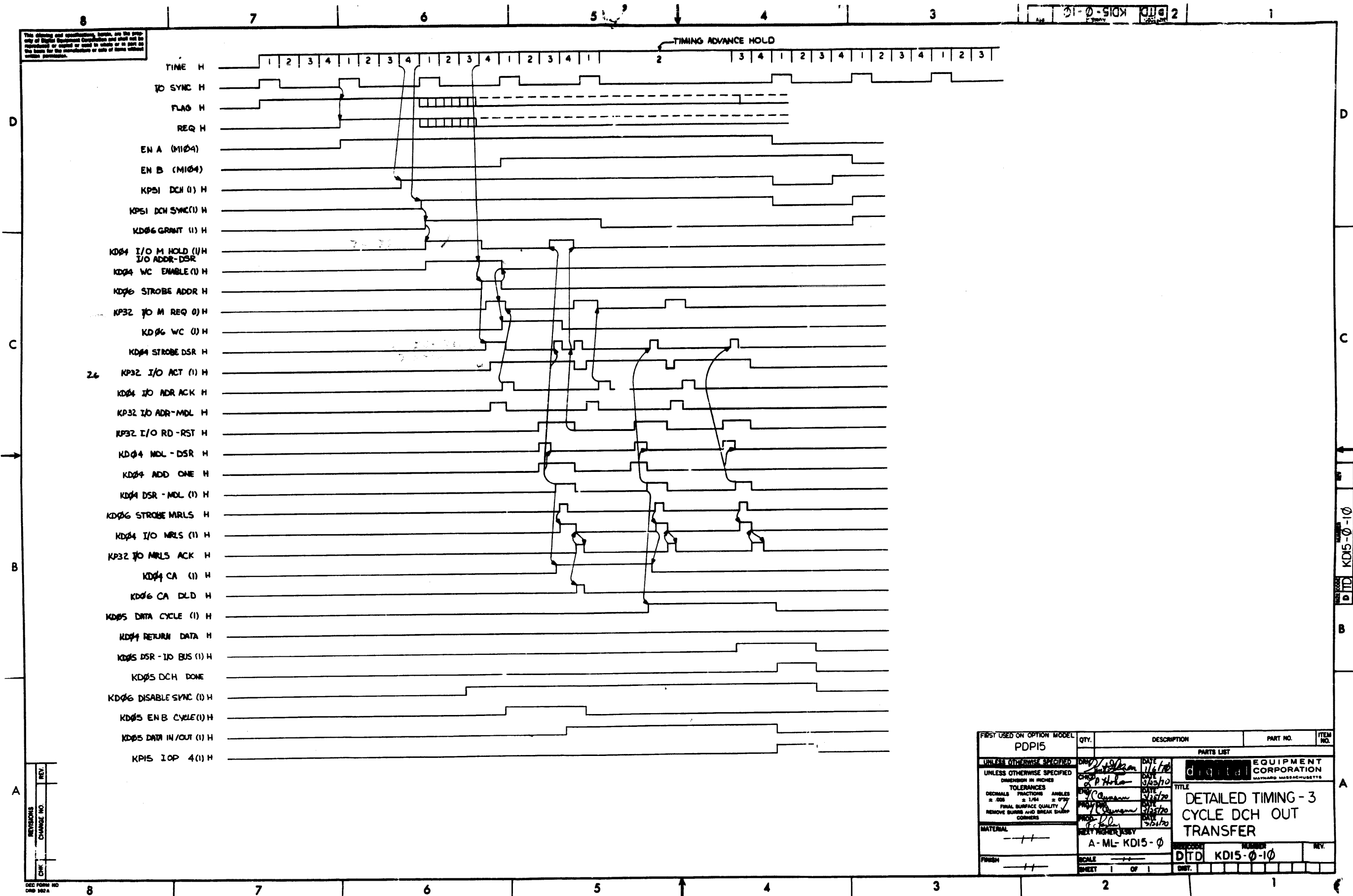
FIRST USED ON OPTION/ MODEL PDP15		QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED		PARTS LIST			
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		DATE 12/23/70	DATE 3/25/71	EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
TOLERANCES		DATE 3/25/70	DATE 3/25/70	TITLE DETAILED TIMING 3 CYCLE DCH IN TRANSFER	
DECIMALS FRACTIONS ANGLES		DATE 3/25/70	DATE 3/25/70	DITD KD15-Ø-Ø8	
± .008 ± 1/64 ± 9°30'		DATE 3/25/70	DATE 3/25/70	REV.	
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS					
MATERIAL	NEAT HIGH-TEMP				
FINISH	A - ML - KD15-Ø				
SCALE					
SHEET 1 OF 1					

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60-0-510X 2

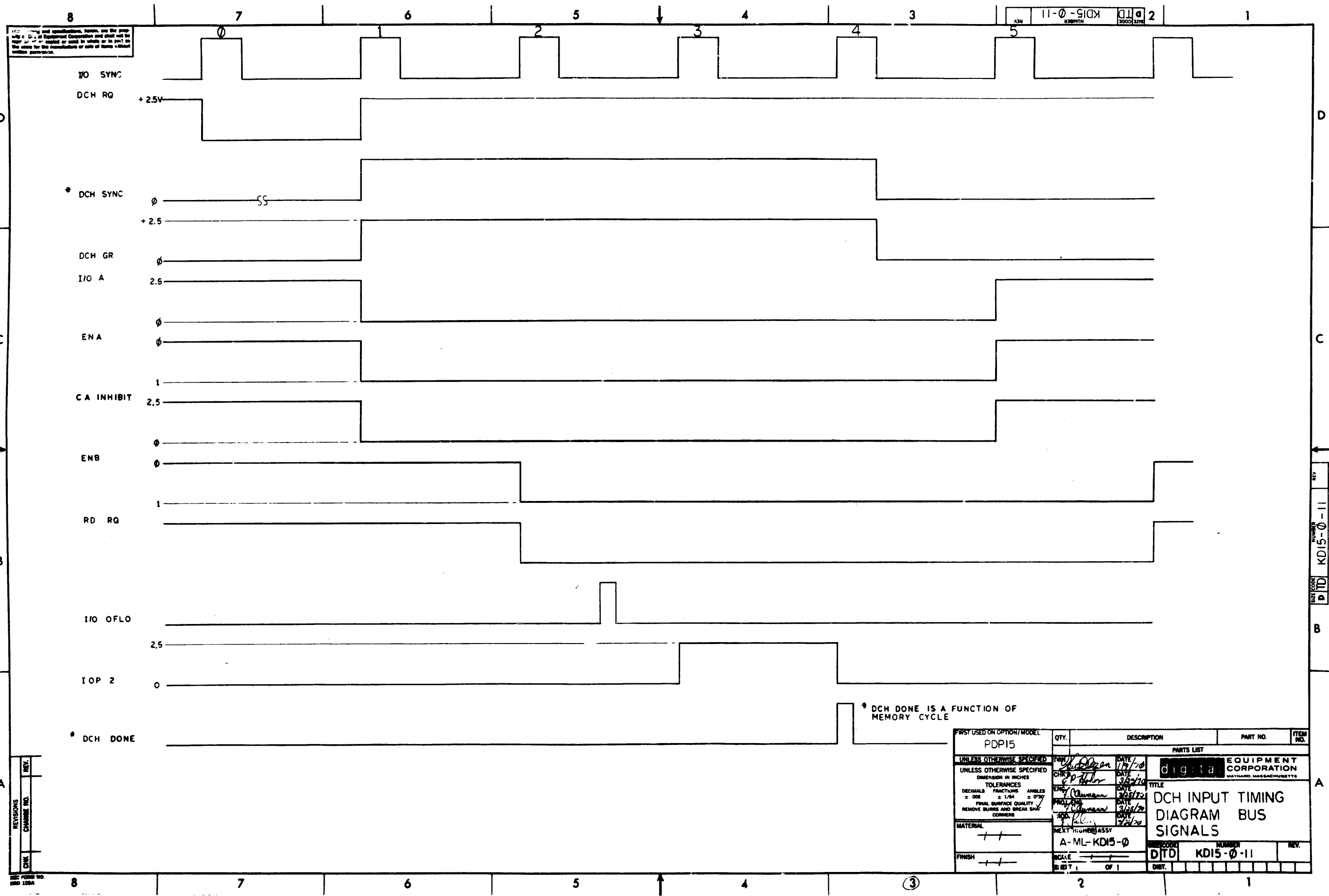


FIRST USED ON OPTION / MODEL PDP15		QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED		PARTS LIST			
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES ± .005 ± 1/64 ± 0°30' FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS		DATE 12/5/66 DATE 3/25/70 DATE 3/25/70 DATE 3/25/70	TITLE DETAILED TIMING INC MB TRANSFER		
MATERIAL A - ML - KD15 - 0		NUMBER KD15-0-09			
FINISH ---		REV.			



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FIRST USED ON OPTION MODEL PDP15		QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED		PARTS LIST			
UNLESS OTHERWISE SPECIFIED		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
DIMENSIONS IN INCHES		TITLE DETAILED TIMING - 3 CYCLE DCH OUT TRANSFER			
TOLERANCES		REV.			
DECIMALS FRACTIONS ANGLES		DITD KD15-0-10			
± .005 ± 1/64 ± .031		SHEET 1 OF 1			
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS		REV.			
MATERIAL ---++---		REV.			
FINISH ---++---		REV.			



* DCH DONE IS A FUNCTION OF MEMORY CYCLE

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP15					
UNLESS OTHERWISE SPECIFIED		PARTS LIST			
UNLESS OTHERWISE SPECIFIED		EQUIPMENT CORPORATION			
DIMENSION IN INCHES		MAYNARD, MASSACHUSETTS			
TOLERANCES		TITLE			
DECIMALS FRACTIONS ANGLES		DCH INPUT TIMING			
± .008 ± 1/64 ± 0°30'		DIAGRAM BUS			
FINAL SURFACE QUALITY		SIGNALS			
REMOVE BURRS AND BREAK SHARP CORNERS					
MATERIAL		NEXT HIGHER ASSEMBLY			
FINISH		A-ML-KD15-0			
		SCALE			
		OF 1			
		DITD KD15-0-11			

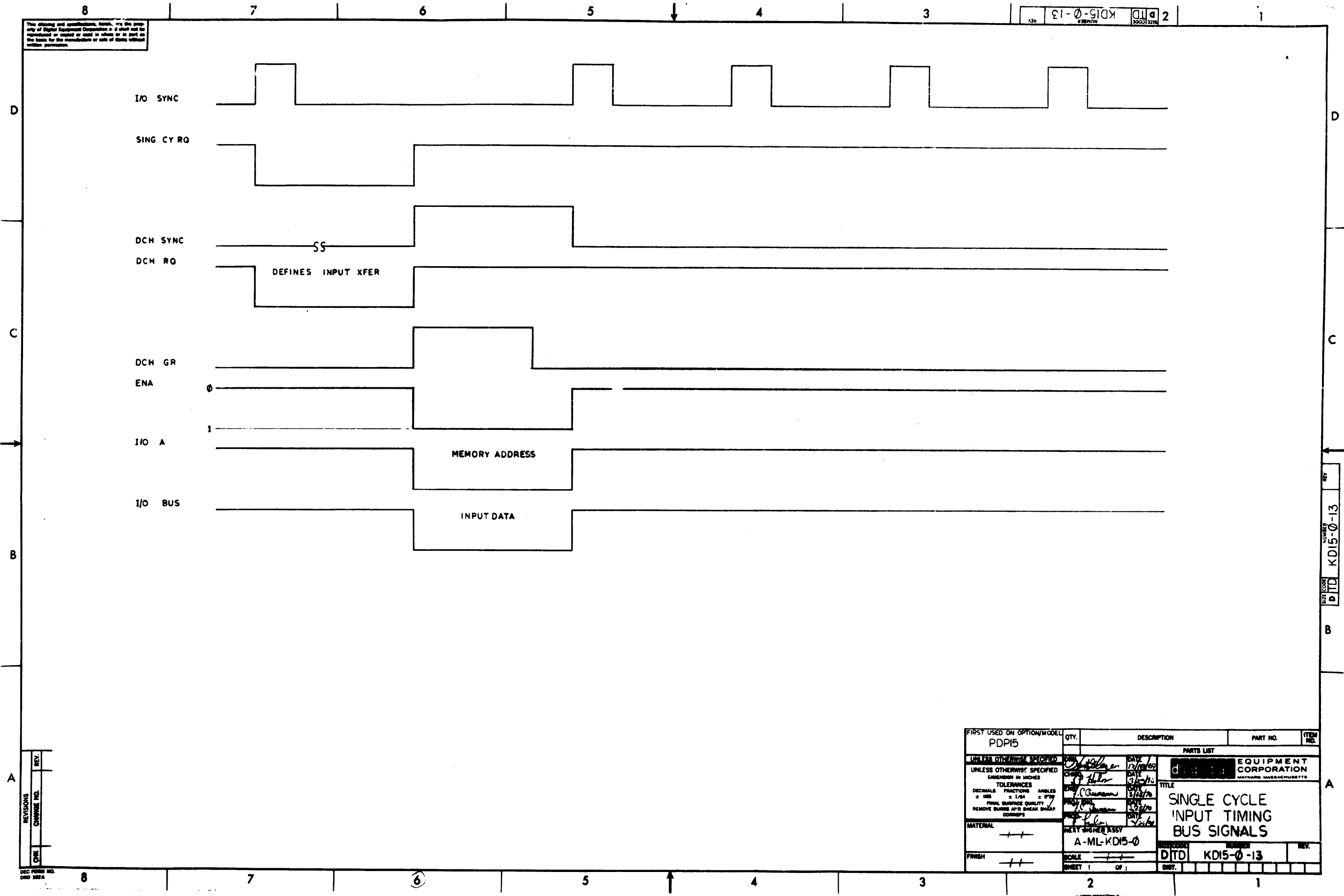


REV. 1
NUMBER
KD15-0-12
D/TD

B

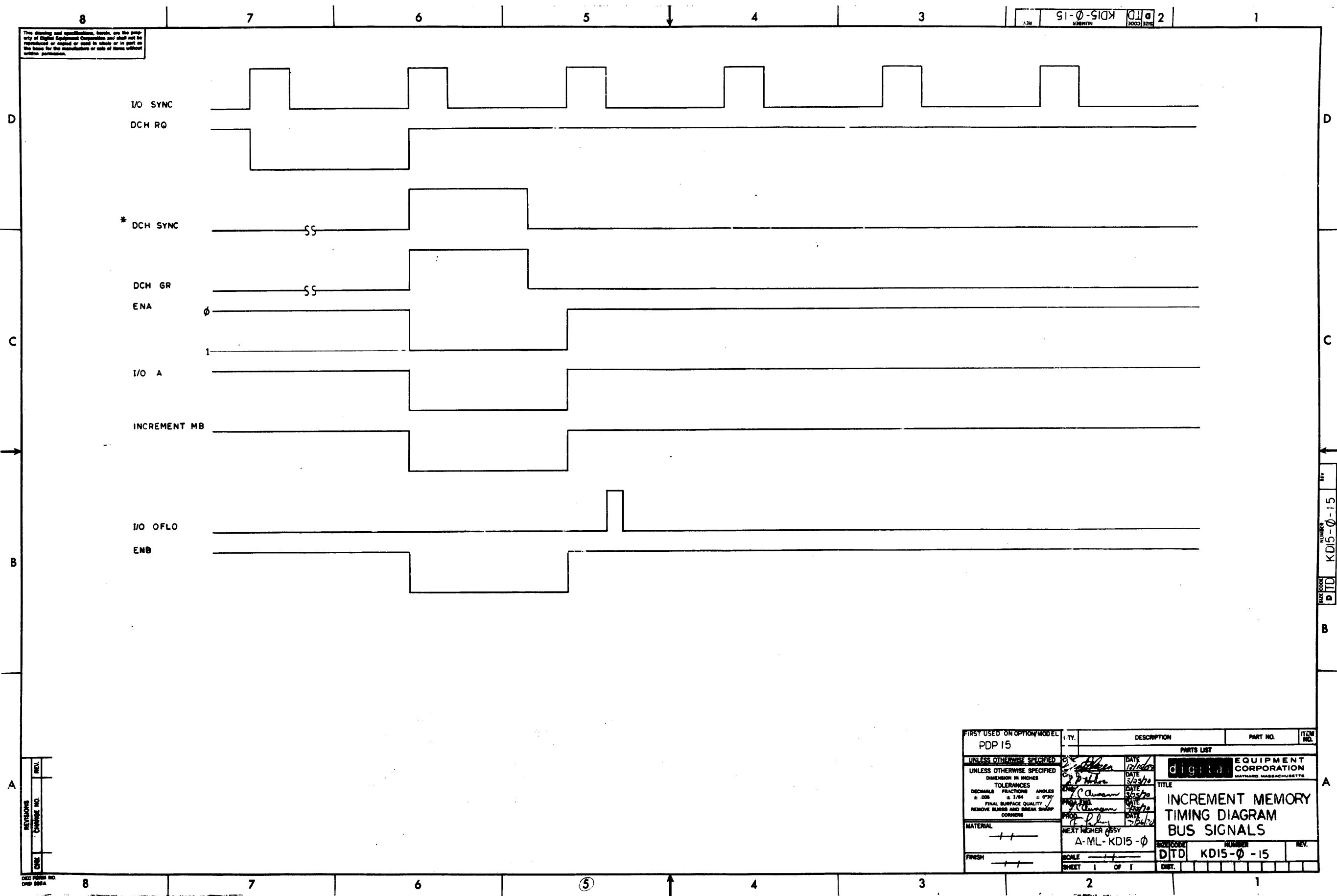
A

FIRST USED ON OPTION / MODEL PDP15		QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED		PARTS LIST			
UNLESS OTHERWISE SPECIFIED		EQUIPMENT CORPORATION MAYFORD, MASSACHUSETTS			
DIMENSION IN INCHES		TITLE DCH OUTPUT TIMING DIAGRAM BUS SIGNALS			
TOLERANCES		DATE 12/10/69			
DECIMALS FRACTIONS ANGLES		DATE 3/25/70			
± .008 ± 1/64 ± 0°30'		DATE 3/25/70			
FINAL SURFACE QUALITY		DATE 3/25/70			
REMOVE BURRS AND BREAK SHARP CORNERS		DATE 3/25/70			
MATERIAL		NEXT HIGHER JESY			
FINISH		A-ML-KD15-0			
SCALE		SHEET 1 OF 1			
DST.		REV.			

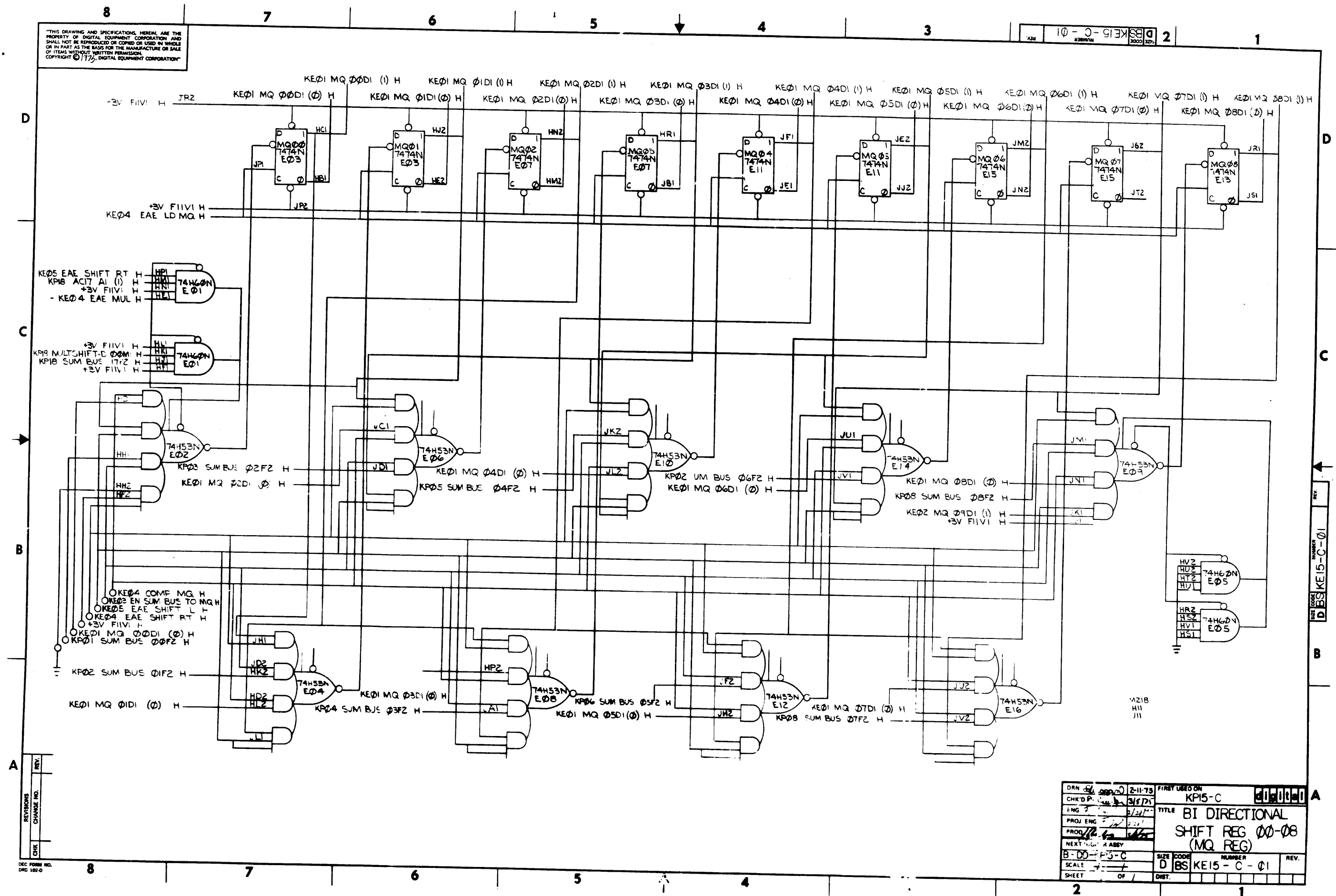


FIRST USED ON OPTION/MODEL PDP15		QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES		PARTS LIST			
TOLERANCES DECIMALS FRACTIONS ANGLES ± .005 ± 1/64 ± 0°30'		EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
PRIMAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS		TITLE SINGLE CYCLE INPUT TIMING BUS SIGNALS			
MATERIAL ++		A-ML-KD15-0			
FINISH ++		SCALE SHEET 1 OF 1			
REV. NO. CHANGE NO.		REV. NO. CHANGE NO.			

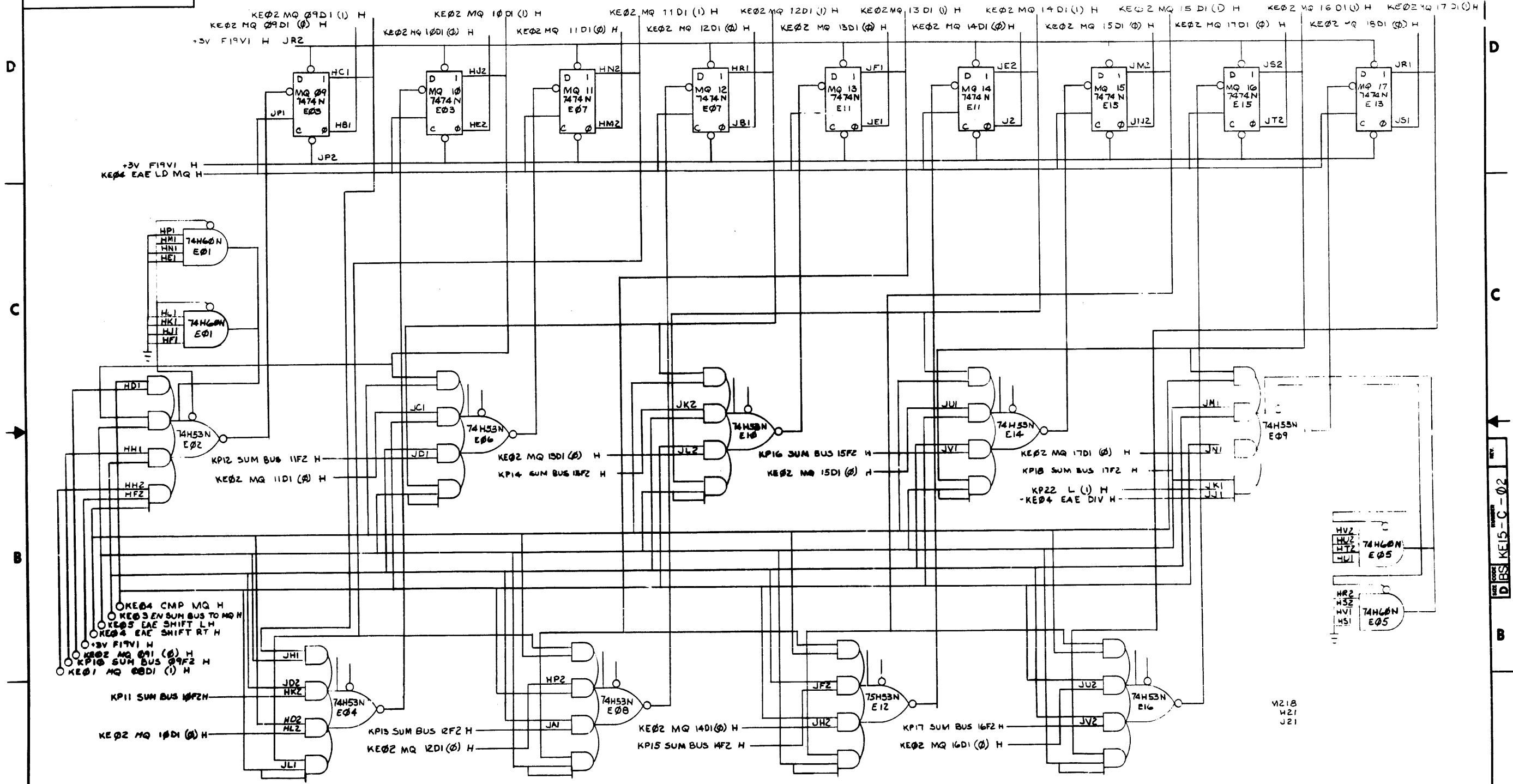
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FIRST USED ON OPTION MODEL PDP 15		DESCRIPTION		PART NO.		ITEM NO.	
UNLESS OTHERWISE SPECIFIED		DATE		DATE		DATE	
UNLESS OTHERWISE SPECIFIED		DATE		DATE		DATE	
DIMENSION IN INCHES		DATE		DATE		DATE	
TOLERANCES		DATE		DATE		DATE	
DECIMALS FRACTIONS ANGLES		DATE		DATE		DATE	
± .005 ± 1/64 ± 0°30'		DATE		DATE		DATE	
FINAL SURFACE QUALITY		DATE		DATE		DATE	
REMOVE BURRS AND BREAK SHARP CORNERS		DATE		DATE		DATE	
MATERIAL		DATE		DATE		DATE	
FINISH		DATE		DATE		DATE	
SCALE		DATE		DATE		DATE	
SHEET 1 OF 1		DATE		DATE		DATE	
NEXT HIGHER ASSY		DATE		DATE		DATE	
A-ML-KD15-Ø		DATE		DATE		DATE	
TITLE		DATE		DATE		DATE	
INCREMENT MEMORY		DATE		DATE		DATE	
TIMING DIAGRAM		DATE		DATE		DATE	
BUS SIGNALS		DATE		DATE		DATE	
REV.		DATE		DATE		DATE	
DITD		DATE		DATE		DATE	
KD15-Ø-15		DATE		DATE		DATE	
REV.		DATE		DATE		DATE	



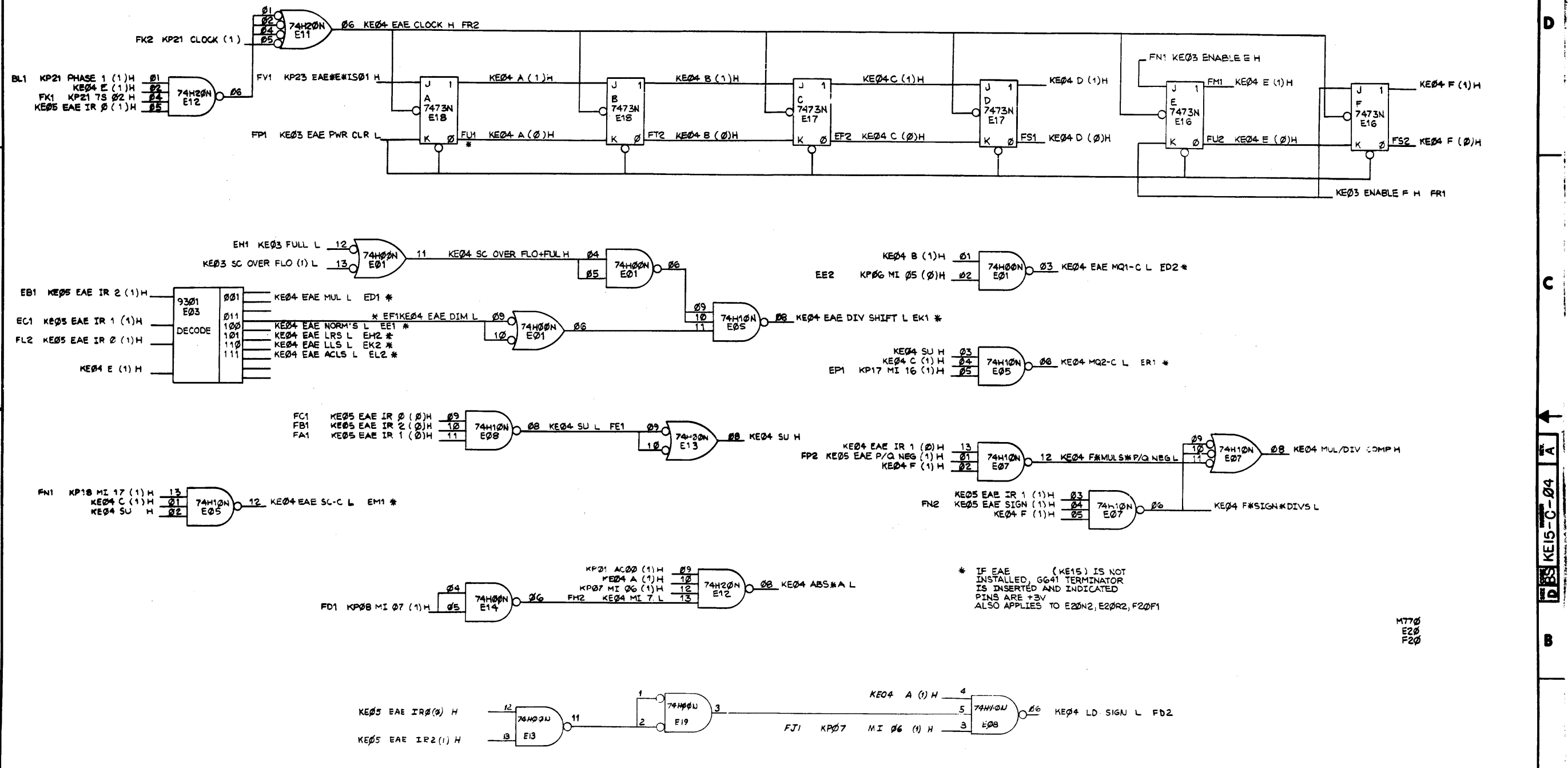
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DRN: 70-C-513K	2-12-75	FIRST USED ON	KP15-C
CHK'D BY: C. J. Kelly	3/1/75	TITLE	BI DIRECTIONAL SHIFT REG 09-17 (MQ REG)
ENG. F. J. Kelly	2/11/75	SIZE	D BS
PROJ. ENG. F. J. Kelly	2/11/75	NUMBER	KE15-C-02
PROD. H. J. Kelly	2/11/75	REV.	
NEXT HIGHER ASSY.			
B-DD-KP15-C			
SCALE			
SHEET 1 OF 1			

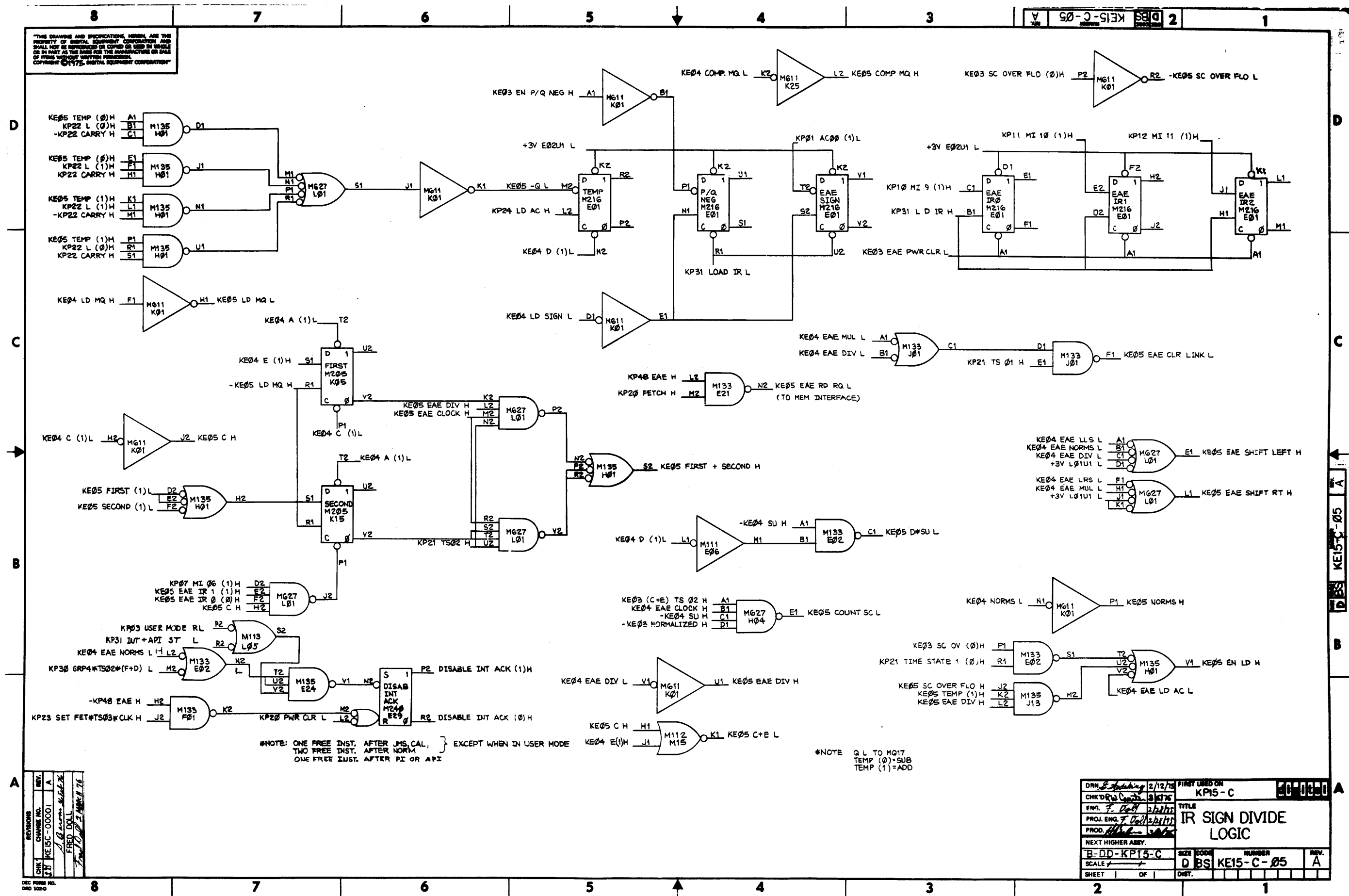
REV.	
CHG.	

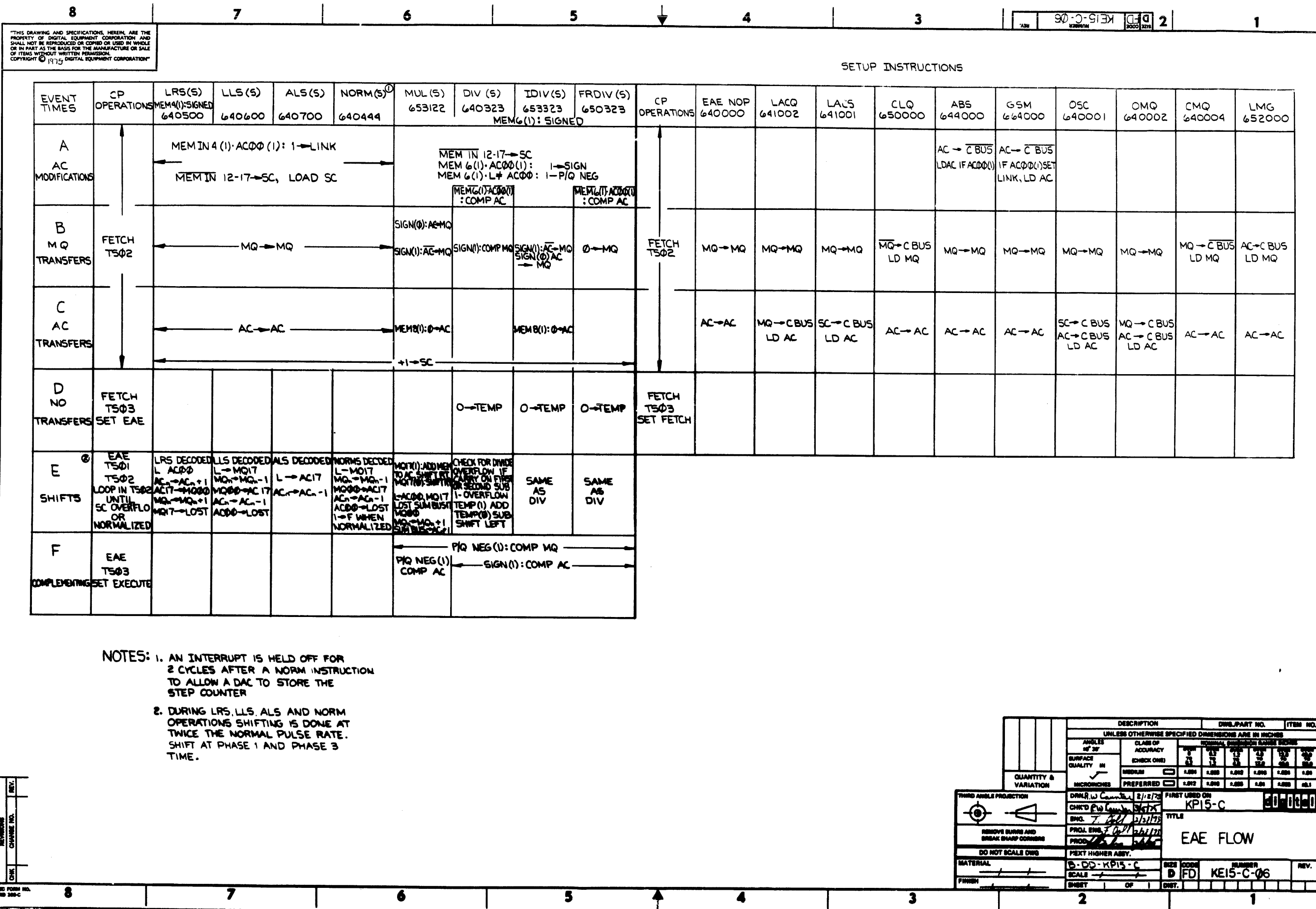
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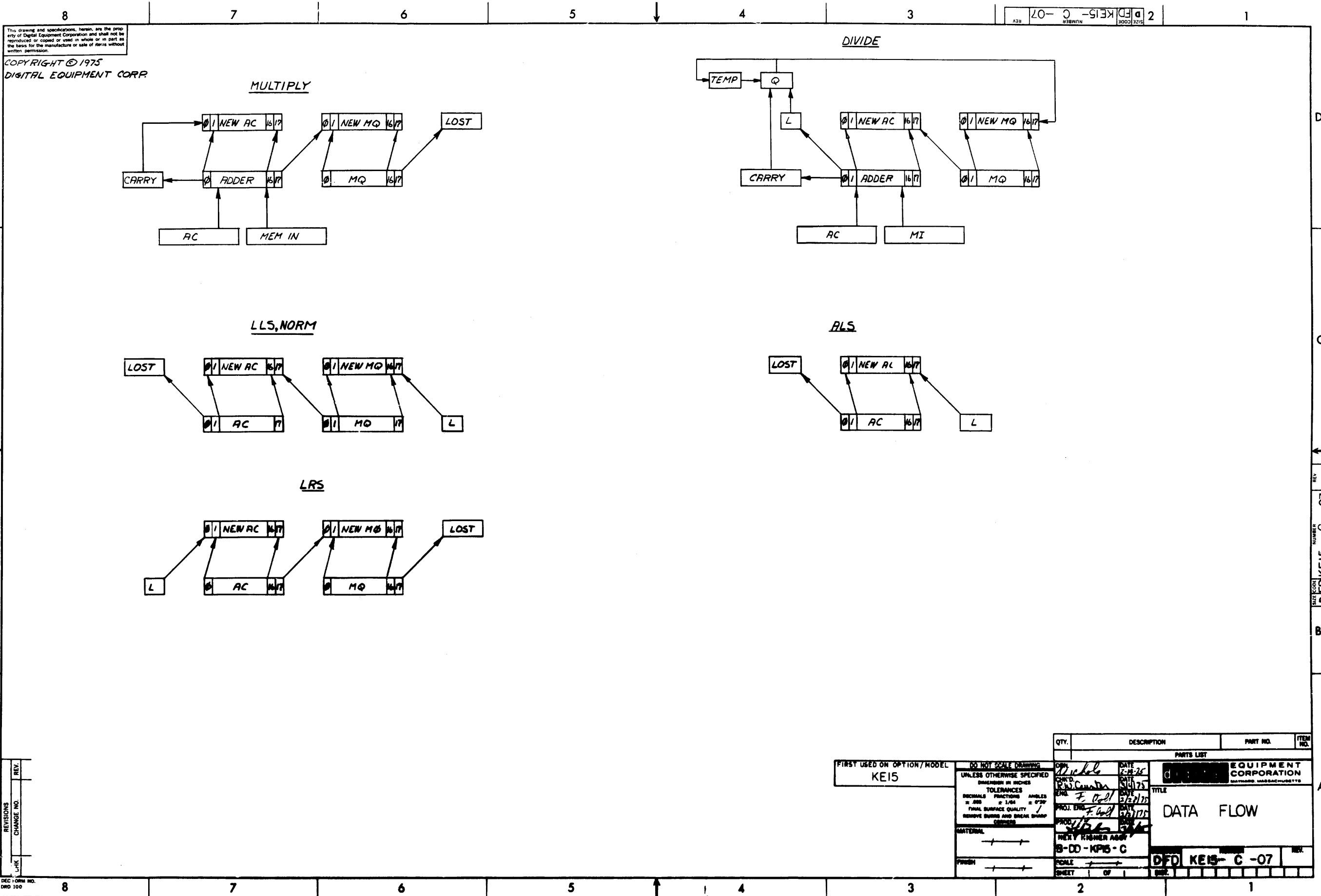


REV.	REV.
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2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20

DRN. 2/11/75	FIRST USED ON	KPI5-C
CHK'D BY 3/16/75	TITLE	EAE CONTROL
ENG. 3/16/75	NUMBER	M770
PROJ. ENG. 3/16/75	REV.	A
PROD. 3/16/75	SCALE	1 OF 2
NEXT HIGHER ASSY.	SHEET	1 OF 2
B-DD-KPI5-C	SIZE	D
SCALE	CODE	BS
SHEET	DIST.	KEI5-C-04





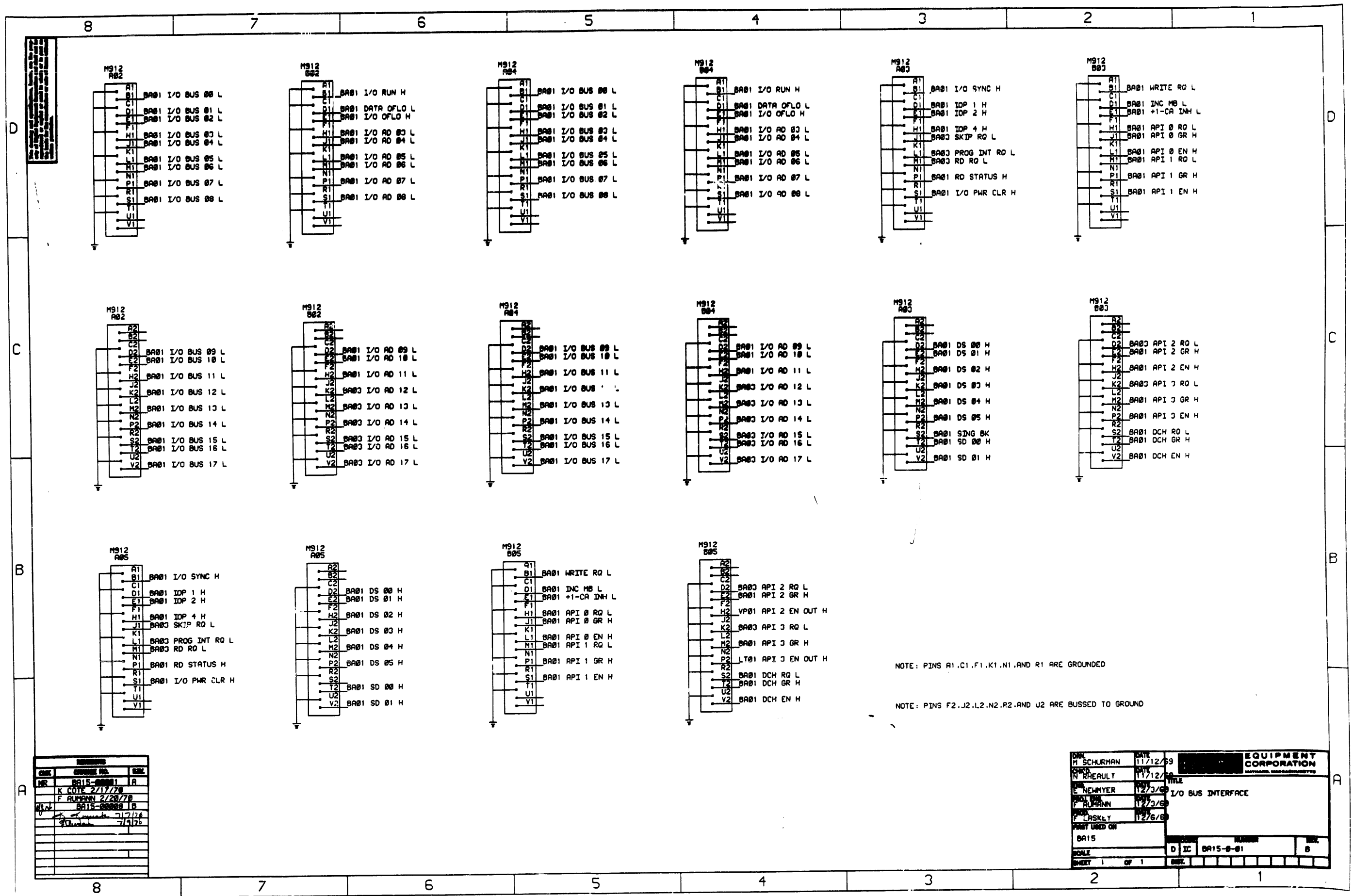


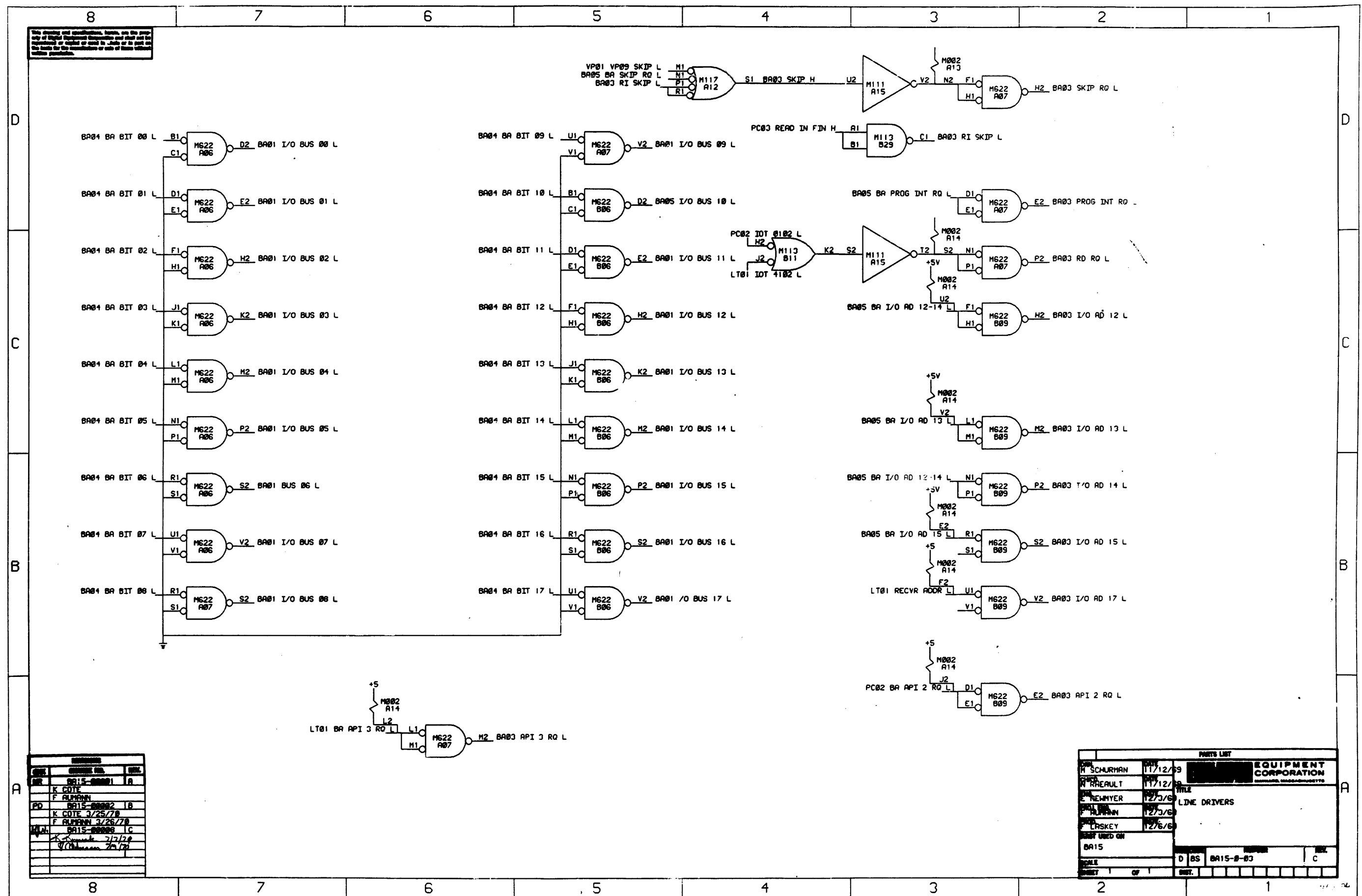
FIRST USED ON OPTION/MODEL
KE15

DO NOT SCALE DRAWING
UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
DECIMALS FRACTIONS ANGLES
± .001 ± 1/64 ± 90°
FINAL SURFACE QUALITY
REMOVE BURRS AND BREAK SHARP
EDGES

MATERIAL
+ + +
FINISH
+ + +

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
EQUIPMENT CORPORATION BAYLORD, MASSACHUSETTS			
TITLE DATA FLOW			
NEXT HIGHER ASSY 8-DD-KP15-C			
SCALE SHEET OF			
REV 07 KE15-C-07			





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M981
R29

R2	BA05	PROG INT RQ H
R3	BA05	SKIP H
R4	PC02	DND RDR API 2 H
R5	PC02	DND VP09 API 2 H
R6	LT01	DND KBD API 3 H
R7	LT01	DND TTY API 3 H
R8	PC03	RDR INTER H
R9	BA04	PUN FLG H
R10	VP01	VP09 INT RQ H
R11	LT01	KBD FLG H
R12	LT01	TELEPRINTER FLG H
P2	BA05	BA I/O ADDR 12-14 H
P3	BA05	BA I/O ADDR 13 H
S2	BA05	BA I/O ADDR 12-14 H
T2	BA05	BA I/O ADDR 15 H
U2	BA05	BA I/O ADDR 17 H

M981
R29

R1	PC03	RB 00 H
R2	PC03	RB 01 H
R3	PC03	RB 02 H
R4	PC03	RB 03 H
R5	PC03	RB 04 H
R6	PC03	RB 05 H
R7	PC03	RB 06 H
R8	PC03	RB 07 H
R9	PC03	RB 08 H
R10	PC03	RB 09 H
R11	PC03	RB 10 H
R12	PC03	RB 11 H
R13	PC03	RB 12 H
R14	PC03	RB 13 H
R15	PC03	RB 14 H
R16	PC03	RB 15 H
R17	PC03	RB 16 H
R18	PC03	RB 17 H

REVISIONS		
REV	DESCRIPTION	DATE
1	BA15-00001	A
2	BA15-00002	B
3	BA15-00003	C
4	BA15-00004	D
5	BA15-00005	E
6	BA15-00006	F
7	BA15-00007	G
8	BA15-00008	H
9	BA15-00009	I
10	BA15-00010	J
11	BA15-00011	K
12	BA15-00012	L
13	BA15-00013	M
14	BA15-00014	N
15	BA15-00015	O
16	BA15-00016	P
17	BA15-00017	Q
18	BA15-00018	R
19	BA15-00019	S
20	BA15-00020	T

1	SCHURMAN	1/12/69	1	EQUIPMENT CORPORATION
2	REAR T	1/12/69	2	INDICATOR CABLE
3	REAR T	2/3/69	3	
4	REAR T	2/3/69	4	
5	REAR T	2/3/69	5	
6	REAR T	2/3/69	6	
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18	REAR T	2/3/69	18	
19	REAR T	2/3/69	19	
20	REAR T	2/3/69	20	

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REVISIONS

REV.	CHANGE NO.	BY	DATE
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2	BA15-00012	C	7-14-70
3	BA15-00013	D	7-14-70
4	BA15-00014	E	7-14-70
5	BA15-00015	F	7-14-70
6	BA15-00016	G	7-14-70
7	BA15-00017	H	7-14-70
8	BA15-00018	I	7-14-70
9	BA15-00019	J	7-14-70
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13	BA15-00023	N	7-14-70
14	BA15-00024	O	7-14-70
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17	BA15-00027	R	7-14-70
18	BA15-00028	S	7-14-70
19	BA15-00029	T	7-14-70
20	BA15-00030	U	7-14-70
21	BA15-00031	V	7-14-70
22	BA15-00032	W	7-14-70
23	BA15-00033	X	7-14-70
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25	BA15-00035	Z	7-14-70
26	BA15-00036	AA	7-14-70
27	BA15-00037	AB	7-14-70
28	BA15-00038	AC	7-14-70
29	BA15-00039	AD	7-14-70
30	BA15-00040	AE	7-14-70
31	BA15-00041	AF	7-14-70
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75	BA15-00085	BX	7-14-70
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84	BA15-00094	CG	7-14-70
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86	BA15-00096	CI	7-14-70
87	BA15-00097	CJ	7-14-70
88	BA15-00098	CK	7-14-70
89	BA15-00099	CL	7-14-70
90	BA15-00100	CM	7-14-70
91	BA15-00101	CN	7-14-70
92	BA15-00102	CO	7-14-70
93	BA15-00103	CP	7-14-70
94			

DO NOT SCALE DRAWING
UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
DECIMALS FRACTIONS ANGLES
± .005 ± .1/64 ± .030
FINAL SURFACE QUALITY
REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL
NEXT HIGHER ASSY

FINISH
SCALE
SHEET OF

FIRST USED ON OPTION/MODEL
BA15

DATE
7-14-70

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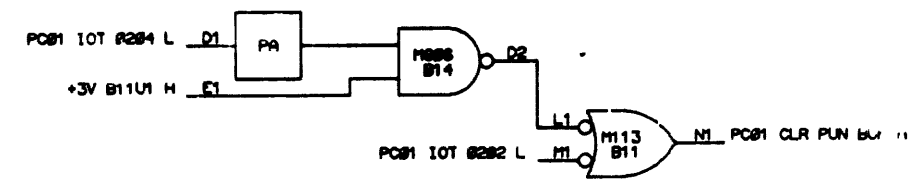
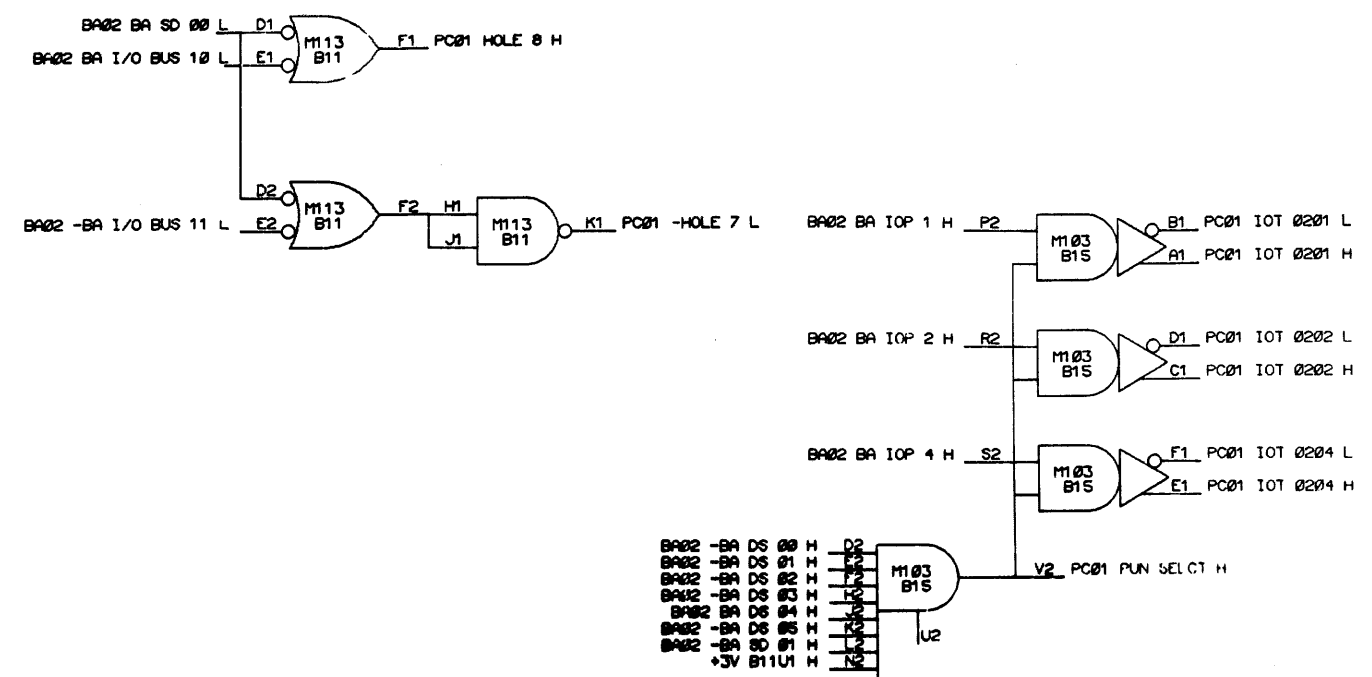
DATE
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See drawing and specifications for details and for the use of this drawing. This drawing is not to be used for the manufacture of parts or for the assembly of the machine without the approval of the design engineer.



- MS01 B13 X
- A1 PC01 IOT 0201 H (IOP 1 (1))
 - A2 PC01 PUN SELECT H
 - A3 PC01 IOT 0204 H (IOP 4 (1))
 - A4 PC01 CLR PUN BUF H (IOP 2 (1))
 - A5 PC01 HOLE 8 H (AC04 (1))
 - A6 PC01 HOLE 7 H (AC05 (1))
 - A7 BA05 BA I/O BUS 12 H (AC06 (1))
 - A8 BA05 BA I/O BUS 13 H (AC07 (1))
 - A9 BA05 BA I/O BUS 14 H (AC08 (1))

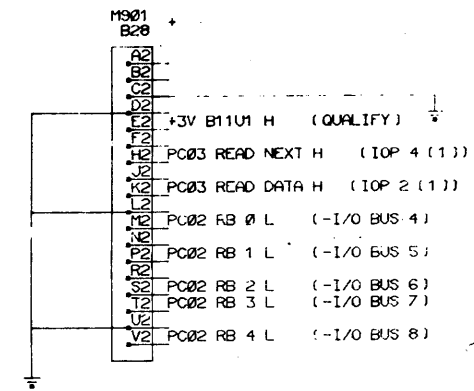
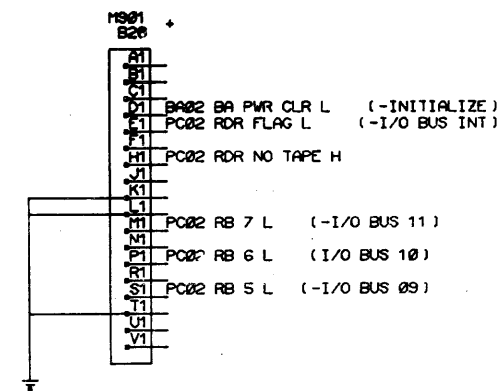
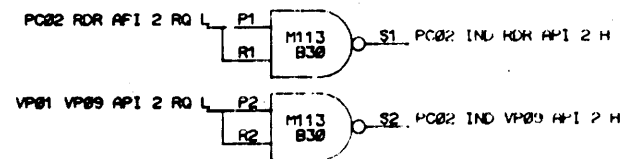
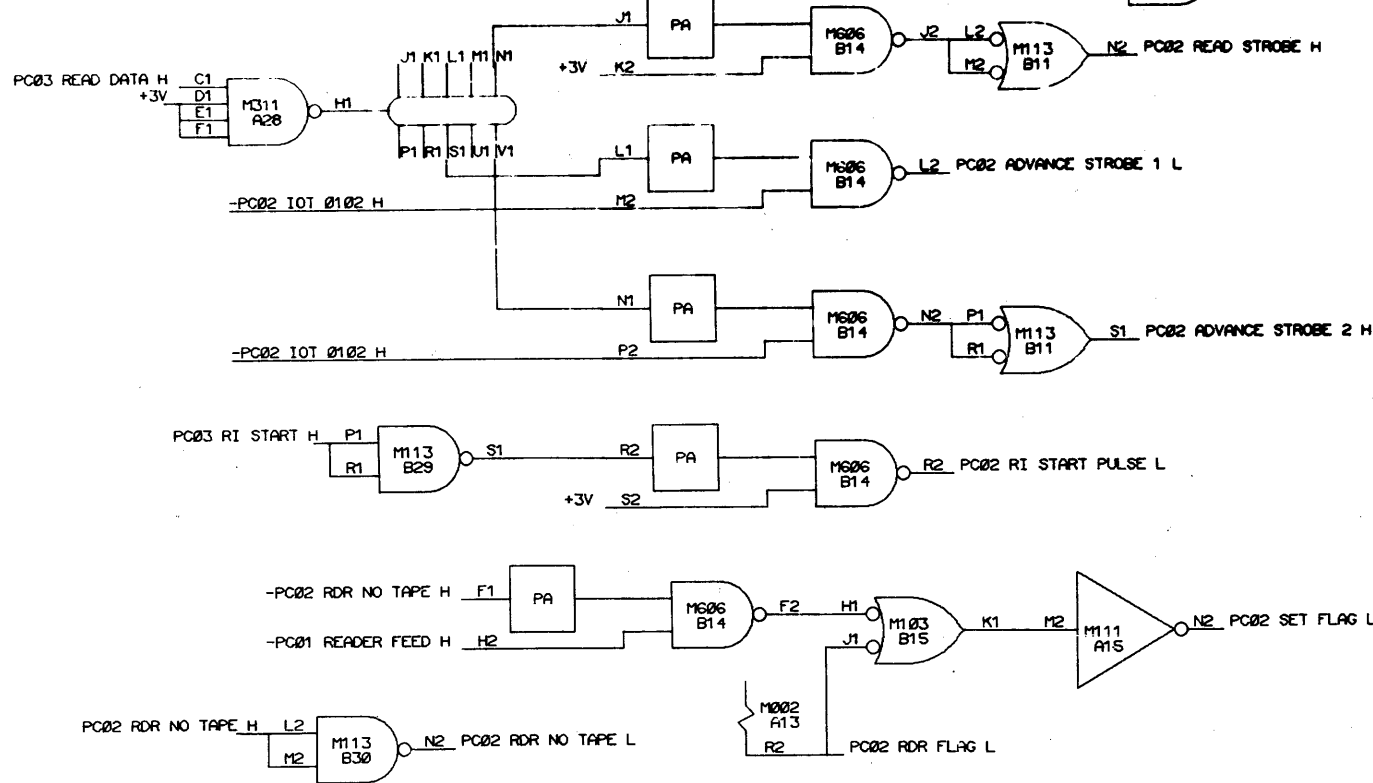
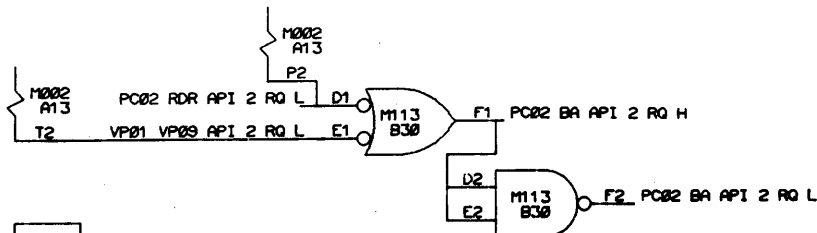
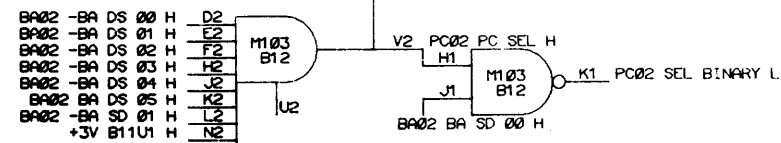
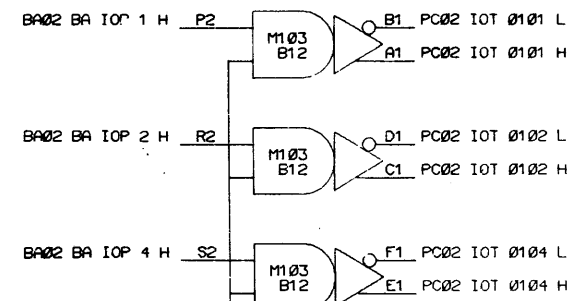
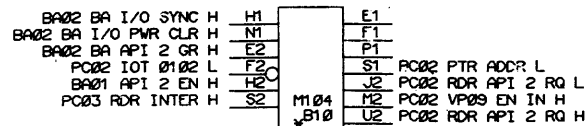
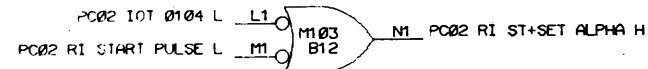
- MS01 B13 X
- A1 BA02 BA PWR CLR H (-INITIALIZE)
 - A2 PC01 PUN OUT OF TAPE L
 - A3 PC01 PUN FLAG L (-I/O BUS INT F)
 - A4 PC01 PUN SKP L (-I/O BUS SKIP)
 - A5 PC01 ADR FEED L (READER FEED)
 - A6 BA02 BA I/O BUS 17 H (AC11 (1))
 - A7 BA02 BA I/O BUS 16 H (AC10 (1))
 - A8 BA02 BA I/O BUS 15 H (AC09 (1))
 - A9
 - A10
 - A11
 - A12

* PC05 SIGNAL NAMES INDICATED IN PARENTHESES IF DIFFERENT

REV	DATE	BY	CHK	DESCRIPTION
NR	BA15-00001	A	W1	BA15-00014
	K COTE			K VAL SH 3/30/71
	F ALMANN			F ALMANN 3/31/71
PD	BA15-00002	B	H/L	BA15-00020
	K COTE			2/1/71 2-3/
	F ALMANN			9/15/71
PD	BA15-00003	C		
	K COTE 4/9/70			
	F ALMANN 4/13/70			
GH	BA15-00012	D		
	R SOKKA 2-17-71			
	F ALMANN 2-22-71			

EQUIPMENT CORPORATION	
1. SCHURMAN	11/12/69
N. HEALTY	11/12/69
NEWMYER	12/3/69
ALMANN	12/3/69
LASKY	12/3/69
HIGH SPEED PUNCH CONTROL	
BA15	
PC15-0-01	
SHEET 1 OF 1	

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DELETE B10H2 TO B10H2
WHEN INSTALLING PC15

+ PC05 SIGNAL NAMES INDICATED
IN PARENTHESES IF DIFFERENT

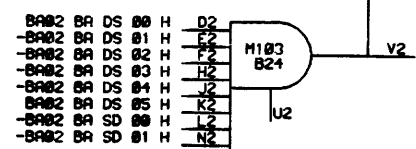
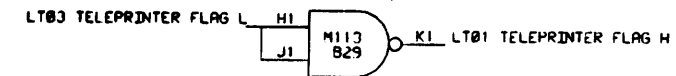
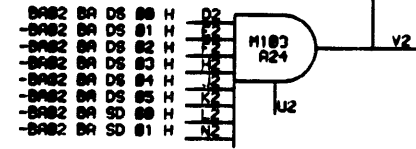
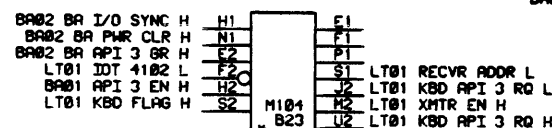
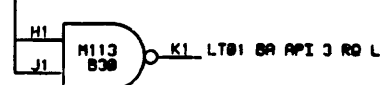
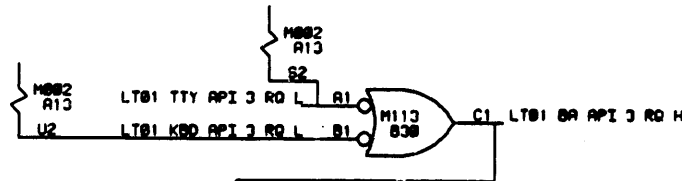
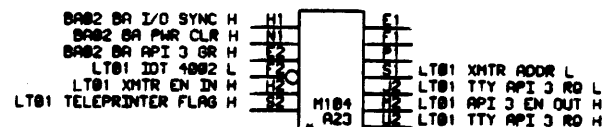
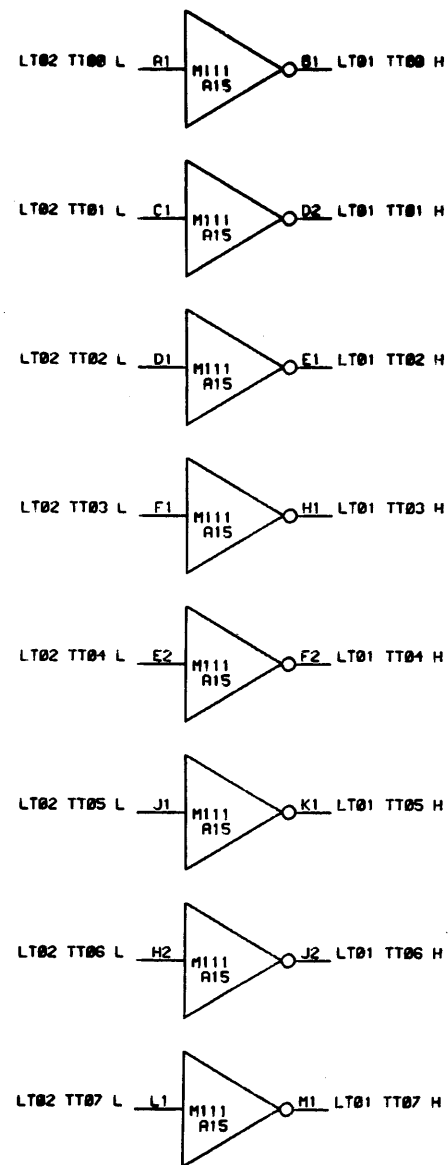
CHK	DATE	BY	CHK	DATE	BY
NR	BA15-00001	A	GH	BA15-00002	C
K COTE	7/7/70		F ALMANN	7/9/70	
PD	BA15-00002	B	GH	BA15-00012	F
K COTE	2-18-71		R SOFKA	2-22-71	
F ALMANN	2-22-71		F ALMANN	4/5/71	
PD	BA15-00004	C	GH	BA15-00014	H
K COTE	4/9/70		K WALSH	4/5/71	
F ALMANN	4/13/70		F ALMANN	4/5/71	
BA15-00007	D		BA15-00020	J	
R SOFKA	9-18-71				
F ALMANN	9-18-71				

1 SCHURMAN	1/12/81		
N REAULT	1/12/81		
W MYER	1/23/81		
ALFAN	1/23/81		
KEY	1/23/81		
BA15			
D 85	PC15-0-02	J	
1 of 1			

EQUIPMENT
CORPORATION

HIGH SPEED READER CONTROL

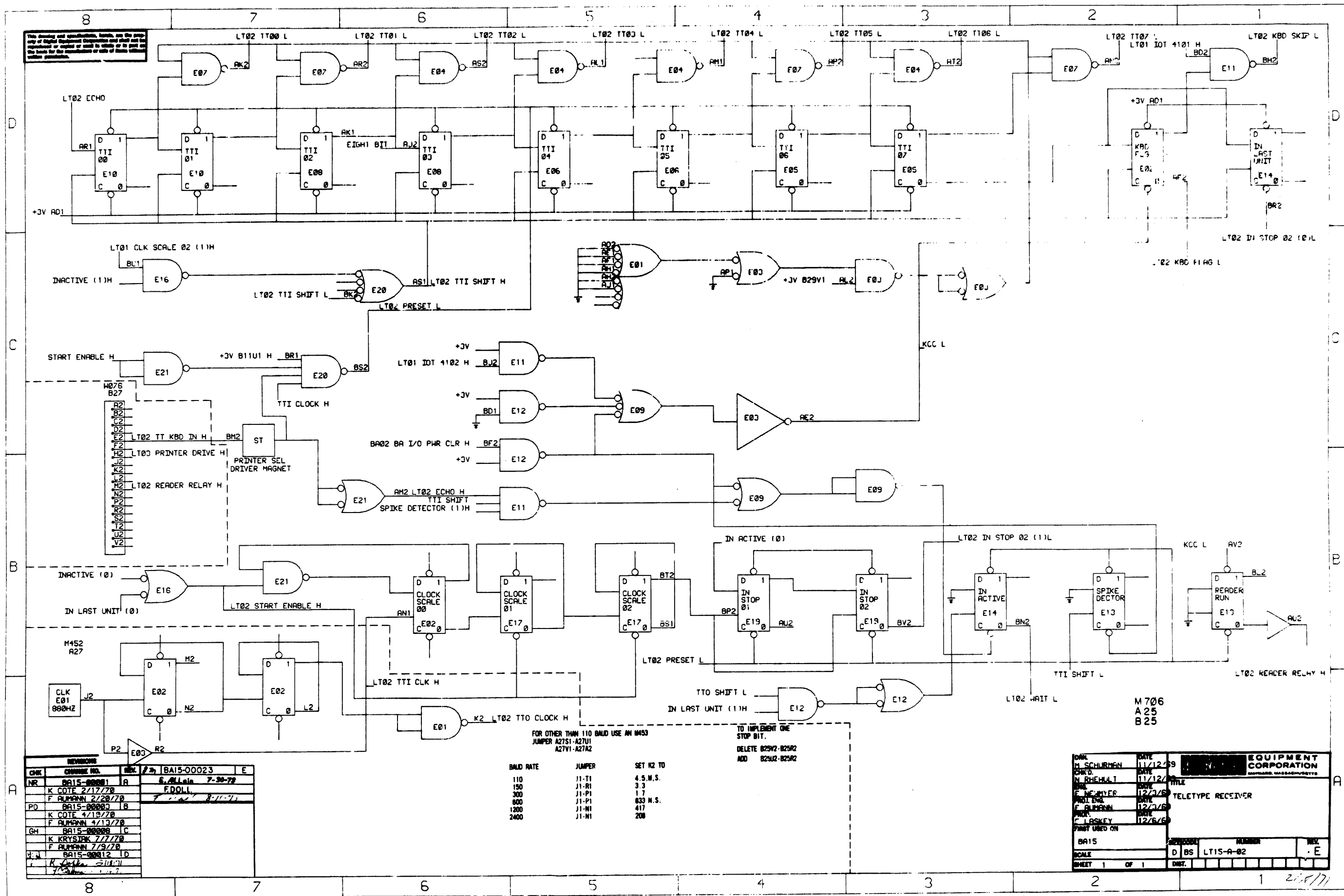
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*DELETE A23M2 TO B23M2 WHEN INSTALLING LT15

CHK	CHANGE NO.	REV.
NR	BA15-00001	A
K CODE		
F RLVN		
PD	BA15-00002	B
K CODE 3/25/70		
F RLVN		
GH	BA15-00003	C
K RYSLRK 7/7/70		
F RLVN 7/9/70		
BA15-00012		D
R 2-18 01/17/71		
8/22/71		

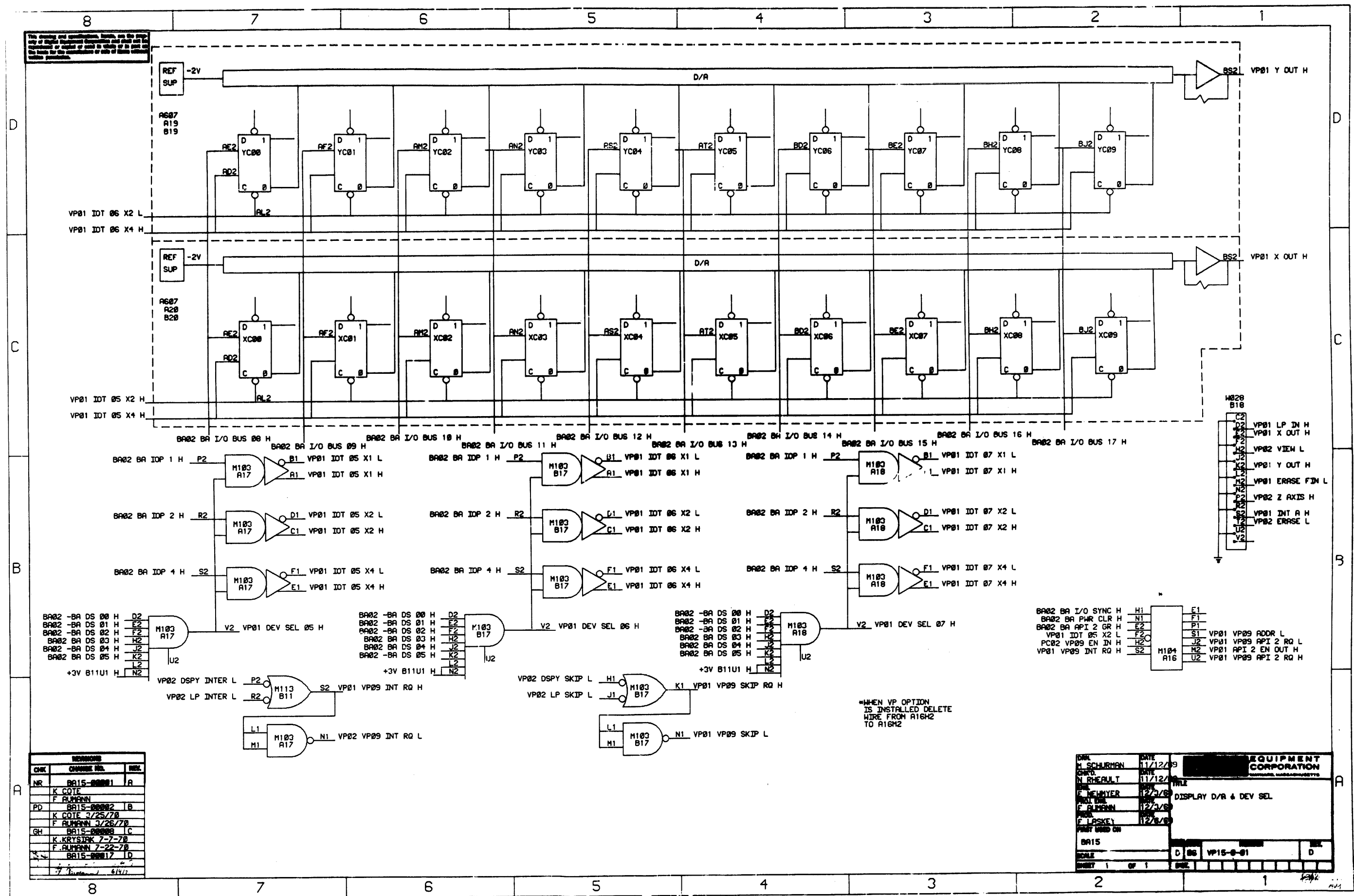
DATE	11/12/69	EQUIPMENT CORPORATION
BY	M. SCHUBERT	
DATE	11/12/69	
BY	M. RHEULT	
DATE	12/3/69	TELETYPE CONTROL
BY	F. SCHUYER	
DATE	12/3/69	
BY	F. LASKEY	
DATE	12/6/69	
PRINT USED ON		
BA15		
SCALE	D 06	NUMBER
SHEET 1 OF 1		REV. D

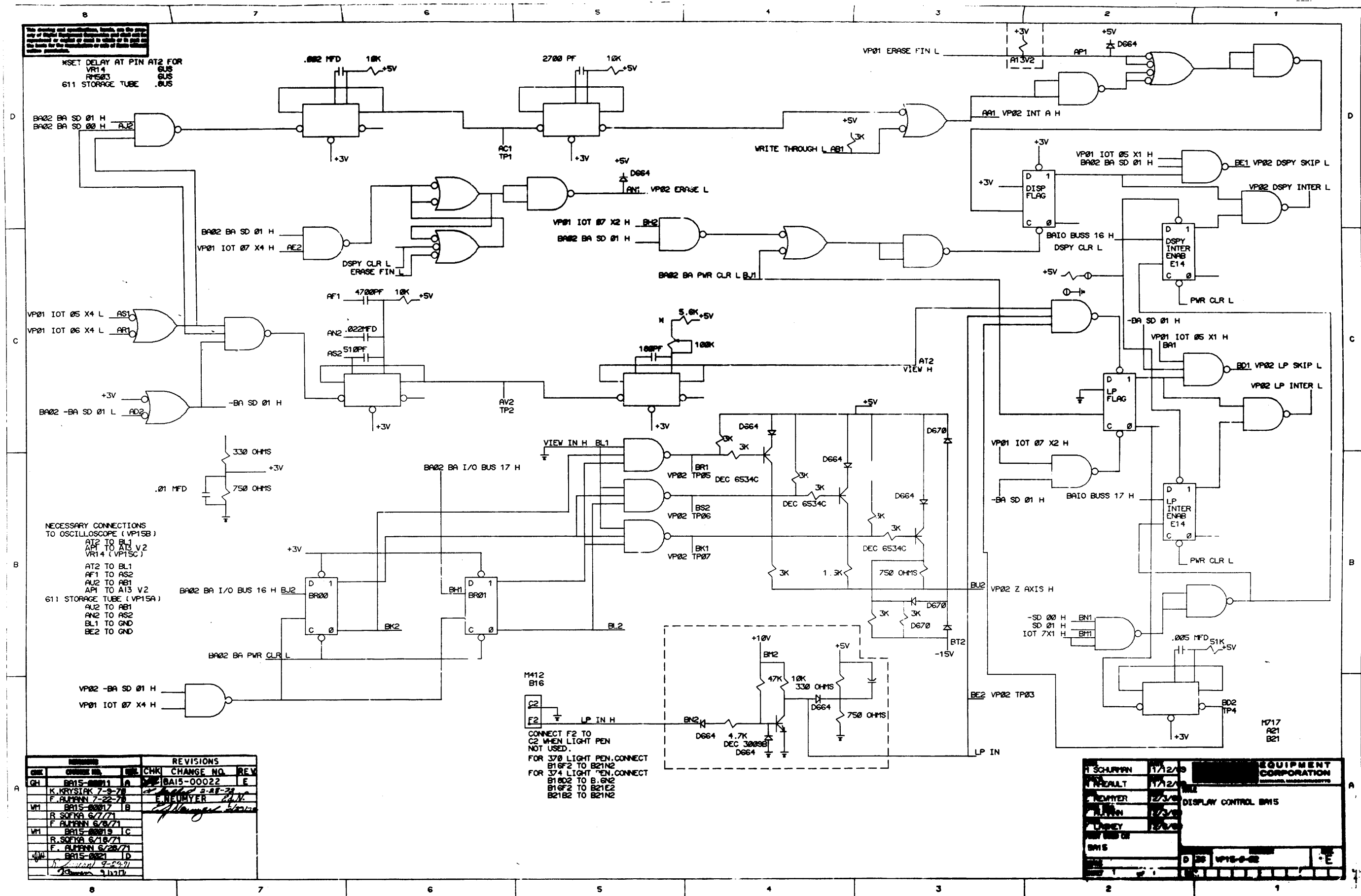


REVISIONS				
CHK	CHANGE NO.	BY	DATE	DESCRIPTION
NR	BA15-00001	A	8-11-70	7-90-70
K	COTE 2/17/70			FDOLL
F	ALMANN 2/20/70			8-11-70
PD	BA15-00003	B		
K	COTE 4/19/70			
F	ALMANN 4/13/70			
GH	BA15-00008	C		
K	KRYSIK 7/7/70			
F	ALMANN 7/9/70			
LD	BA15-00012	D		
K	COTE 2/11/71			

BAUD RATE	JUMPER	SET K2 TO
110	J1-T1	4.5 M.S.
150	J1-R1	3.3
300	J1-P1	1.7
600	J1-N1	833 N.S.
1200	J1-M1	417
2400	J1-L1	200

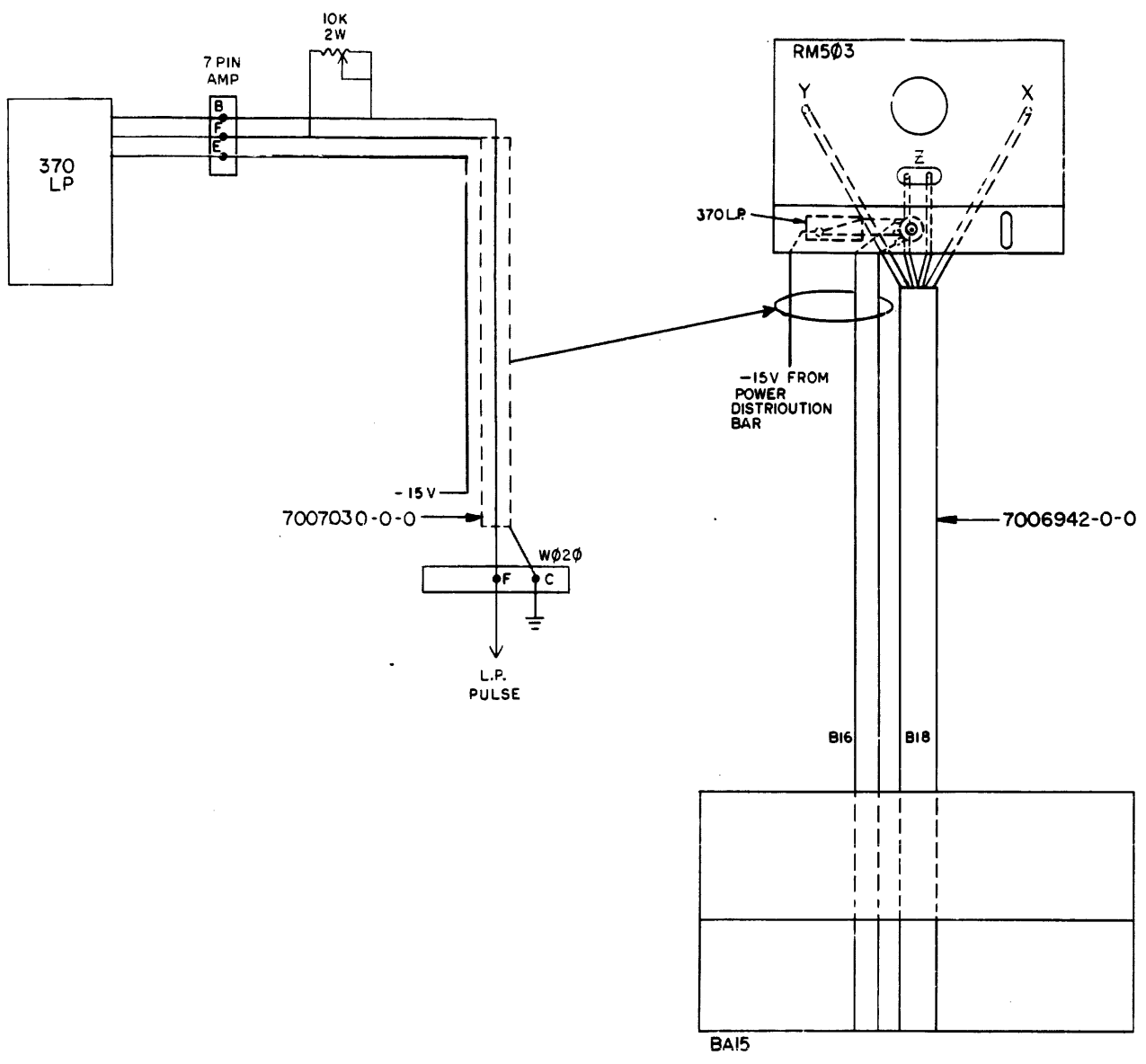
DATE 11/12/69		EQUIPMENT CORPORATION	
BY M. SCHURMAN		MADE IN MASSACHUSETTS	
DATE 11/12/69		TITLE	
BY M. SCHURMAN		TELETYPE RECEIVER	
DATE 12/3/69			
BY F. ALMANN			
DATE 12/6/69			
BY C. LASKEY			
DATE 12/6/69			
PART USED ON			
BA15			
SCALE		D BS LT15-A-02	
SHEET 1 OF 1		DIST.	





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8 7 6 5 4 3 2 1
REV A
NUMBER VPI5-BL-1
D I C
2



REVISIONS	CHANGE NO.	REV.
CHK	BAI5-00011	---
ORIGINATED		
BAI5-00013	A	
R. DIETER		
3-10-71		

FIRST USED ON OPTION/MODEL
VR15-BL

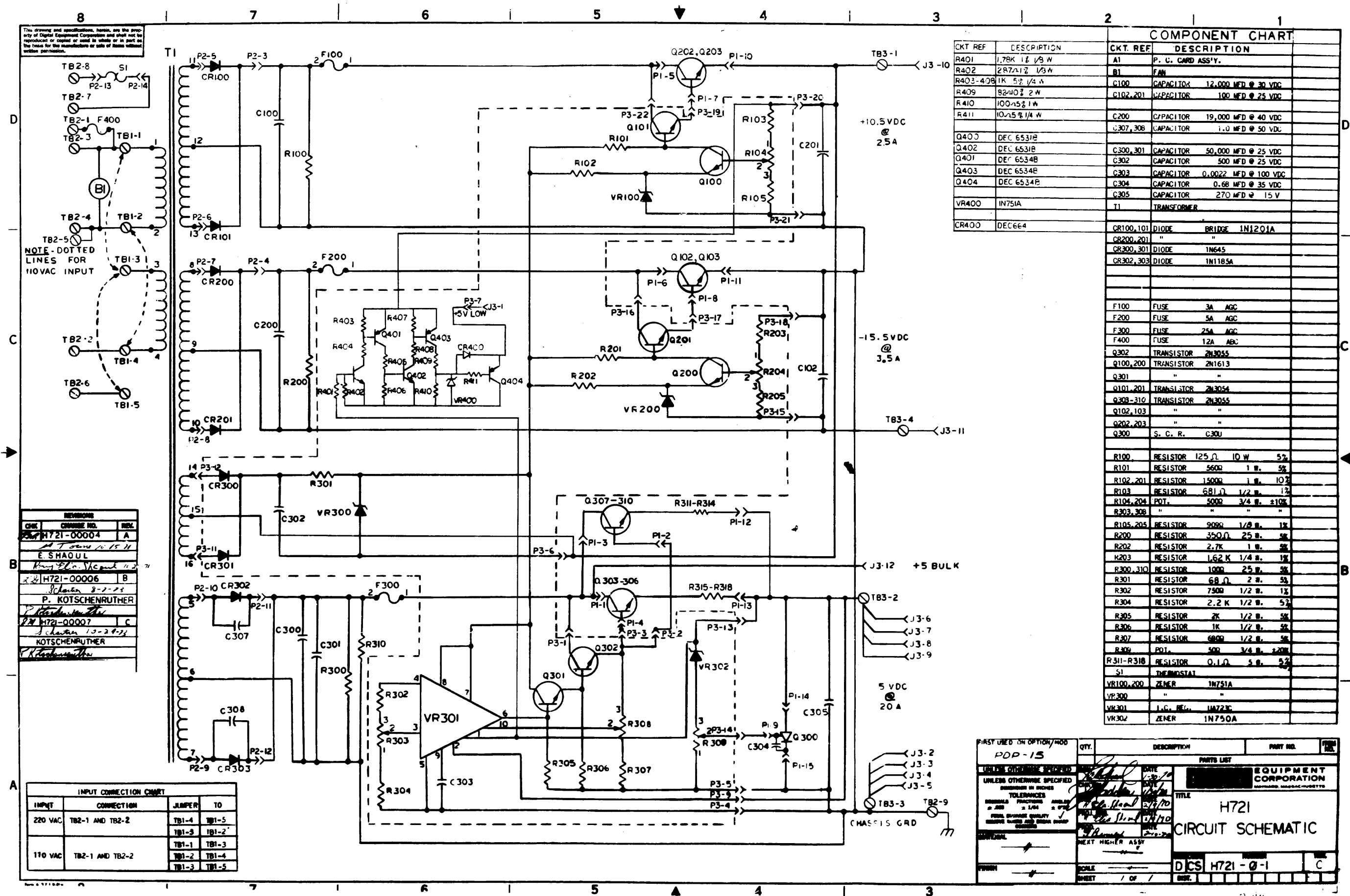
DO NOT SCALE DRAWING
UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
DECIMALS FRACTIONS ANGLES
± .005 ± 1/64 ± 0°30'
FINAL SURFACE QUALITY
REMOVE BURRS AND BREAK SHARP CORNERS
MATERIAL
FINISH

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DRN	DATE	DATE	
CHK'D	DATE	DATE	
ENG	DATE	DATE	
PRG	DATE	DATE	
PROG	DATE	DATE	
NEXT HIGHER ASSY A-ML-VR15-BL-1			
SCALE		SHEET OF 1	
TITLE		REV. A	

digital EQUIPMENT CORPORATION
MAYFELD, MASSACHUSETTS

INTERCONNECTION DIAGRAM

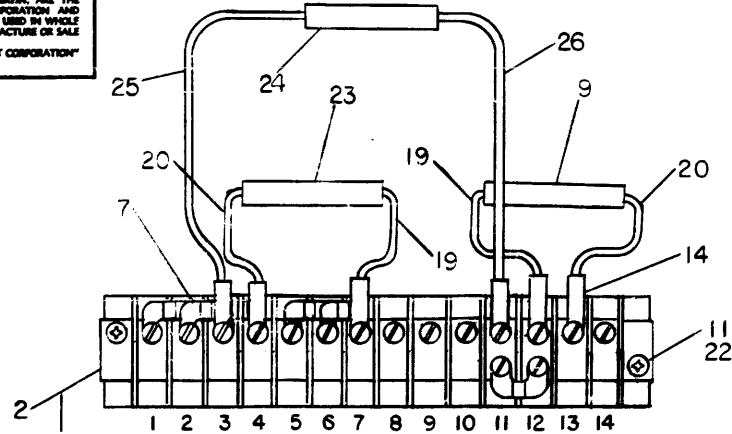
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NUMBER VPI5-BL-1
REV. A



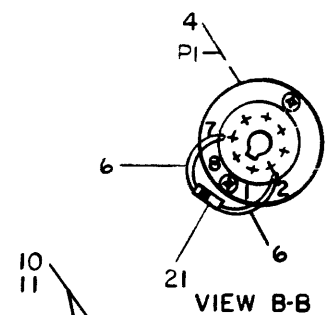
COMPONENT CHART	
CKT REF	DESCRIPTION
R401	1.75K 1/2 W
R402	2.2K 1/2 W
R403-408	1K 5/8 1/4 W
R409	820 2 W
R410	100-15 1 W
R411	10-15 1/4 W
Q400	DEC 6531B
Q402	DEC 6531B
Q401	DEC 6534B
Q403	DEC 6534B
Q404	DEC 6534B
VR400	IN751A
CR400	DEC664
A1	P. C. CARD ASS'Y.
B1	FAN
C100	CAPACITOR 12,000 MFD @ 30 VDC
C102, 201	CAPACITOR 100 MFD @ 25 VDC
C200	CAPACITOR 19,000 MFD @ 40 VDC
C307, 308	CAPACITOR 1.0 MFD @ 50 VDC
C300, 301	CAPACITOR 50,000 MFD @ 25 VDC
C302	CAPACITOR 500 MFD @ 25 VDC
C303	CAPACITOR 0.0022 MFD @ 100 VDC
C304	CAPACITOR 0.68 MFD @ 35 VDC
C305	CAPACITOR 270 MFD @ 15 V
T1	TRANSFORMER
CR100, 101	DIODE BRIDGE 1N1201A
CR200, 201	" "
CR300, 301	DIODE 1N645
CR302, 303	DIODE 1N1185A
F100	FUSE 3A AGC
F200	FUSE 5A AGC
F300	FUSE 25A AGC
F400	FUSE 12A AGC
Q302	TRANSISTOR 2N3055
Q100, 200	TRANSISTOR 2N1613
Q301	" "
Q101, 201	TRANSISTOR 2N3054
Q308-310	TRANSISTOR 2N3055
Q102, 103	" "
Q202, 203	" "
Q300	S. C. R. C30U
R100	RESISTOR 125 Ω 10 W 5%
R101	RESISTOR 5600 1 W. 5%
R102, 201	RESISTOR 15000 1 W. 10%
R103	RESISTOR 681 Ω 1/2 W. 1%
R104, 204	POT. 5000 3/4 W. $\pm$ 10%
R303, 308	" " " "
R105, 205	RESISTOR 9090 1/2 W. 1%
R200	RESISTOR 350 Ω 25 W. 5%
R202	RESISTOR 2.7K 1 W. 5%
R203	RESISTOR 1.62 K 1/4 W. 1%
R300, 310	RESISTOR 1000 25 W. 5%
R301	RESISTOR 68 Ω 2 W. 5%
R302	RESISTOR 7500 1/2 W. 1%
R304	RESISTOR 2.2 K 1/2 W. 5%
R305	RESISTOR 2K 1/2 W. 5%
R306	RESISTOR 1K 1/2 W. 5%
R307	RESISTOR 6800 1/2 W. 5%
R309	POT. 500 3/4 W. $\pm$ 20%
R311-R318	RESISTOR 0.1 Ω 5 W. 5%
S1	THERMOSTAT
VR100, 200	ZENER 1N751A
VR300	" "
VR301	I.C. REG. 1N723C
VR302	ZENER 1N750A

FIRST USED ON OPTION/MOD POP-15		QTY.	DESCRIPTION	PART NO.	PART NO.
UNLESS OTHERWISE SPECIFIED		PARTS LIST		EQUIPMENT CORPORATION MAYFIELD, MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES		TITLE		H721	
TOLERANCES DIMENSIONS FRACTIONS ANGLES ± .005 ± .004 ± .005		CIRCUIT SCHEMATIC		C	
FURNISH DRAWING QUALITY REWORK DIMENSIONS AND TOLERANCES SPECIFIED		NEXT HIGHER ASSY		D CS H721-0-1	
SCALE SHEET / OF					

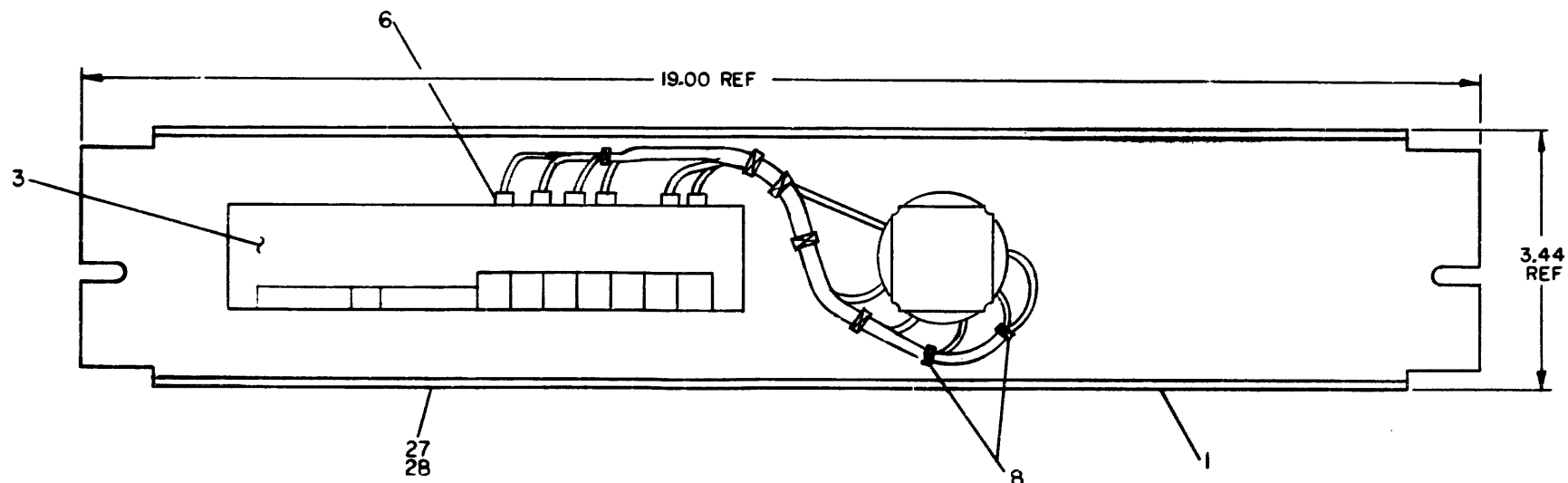
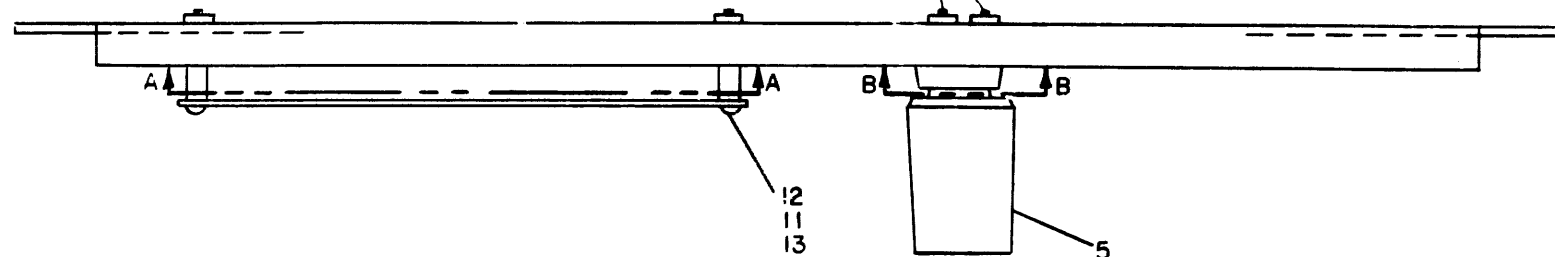
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VIEW A-A



VIEW B-B



EXTERNAL COMPONENT TABLE					
ITEM	COMP	POL	FROM	TO	POL
9	RES		TI-12	TI-13	
21	DIODE	-	PI-7	PI-2	+
23	RES		TI-4	TI-7	
24	CAP	-	TI-3	TI-11	+

WIPE TABLE					
ITEM NO	DESCRIPTION	FROM	TO	CONNECTION WITH	CONNECTION WITH
17	18 YEL	PI-3	SOLDER	TI-8	14
16	110	PI-2		TI-14	
17	YEL	PI-1		TI-11	
18	BLK	PI-8		TI-10	
15	RED	PI-7		TI-13	
18	18 BLK	PI-6	SOLDER	TI-9	14
9		TI-12	14-19	TI-13	14,20
7		TI-1		TI-2	
7		TI-2		TI-3	
23		TI-7	14,19	TI-4	14,20
7		TI-5		TI-6	
7		TI-6		TI-7	
7		TI-11		TI-12	
24		TI-3	14,25	TI-11	14,26

A/R	ADHESIVE, HYBOND	9007594	28
A/R	GROMMET	9007036	27
6IN	TUBING #14 TEFLON YEL	9107295-04	26
6IN	TUBING #14 TEFLON BLK	9107295-00	25
1	CAP 500MFD	1500087	24
1	RES 20A, 10W, 1%	1305416	23
2	SCREW, PH HD, 6-32x.69 LG	9007794-	22
	DIODE D672	1105275	21
6IN	TUBING #14 TEFLON RED	9107295-02	20
6IN	TUBING #14 TEFLON BLUE	9107295-06	19
A/R	WIRE, INS, #18 BLK	9107360-00	18
A/R	WIRE, INS, #18 YEL	9107360-44	17
A/R	WIRE, INS, #18 VIO	9107360-77	16
6IN	WIRE, INS, #18 RED	9107360-22	15
12	CONN, SOLDERLESS	9007929	14
2	SPACER, .25x.50 LG	9006803	13
2	SCREW, PH HD 6-32x.25 LG	9006087-1	12
6	LOCKWASHER # INT TOOTH	9006633	11
2	SCREW, PH HD 6-32x.56 LG	9007793-1	10
1	RES 30A, 10W, 1%	1305260	9
9	TIE WRAP	9007031	8
6	JUMPER	9009003	7
2 N	TUBING #22 TELFON RED	9107256-12	6
1	RELAY 12VDC	253431	5
1	SOCKET	1201220	4
1	COVER, PROTECTION	370-743346-0-0	3
1	TERM STRIP BARRIER	9006918	2
	CHASSIS, 856 PWR CONT	DMD-53C 8020-0-0	1

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP 15C					
DIMENSIONAL TOLERANCE		PARTS LIST			
DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED					
MILLIMETERS		INCHES			
XX - .005		XX - .005			
XX - .005		XX - .005			
XX - .005		XX - .005			
THIRD ANGLE PROJECTION		NEXT HIGHER ASSEMBLY			
MATERIAL		DUAL PDP-15-C-0			
FINISH		SCALE			
		SHEET OF 1			
		DUAL 856A-C-0			
		REV. A			

THIS IS PRINT SET

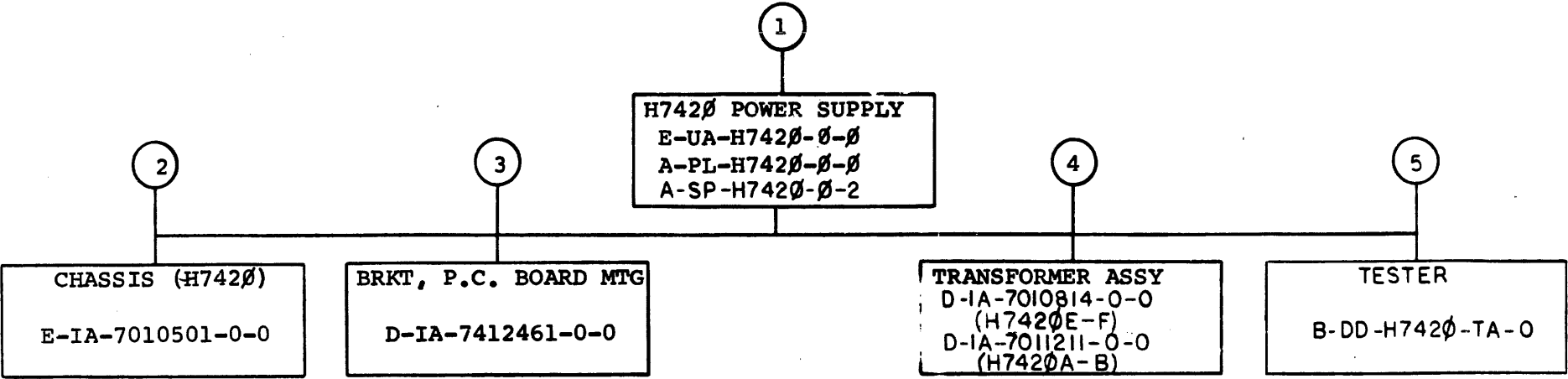
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SEQUENCE

B-DD-H742Ø-Ø
D-CS-H742Ø-Ø-Ø
D-CS-5411086-0-1
E-UA-H742Ø-Ø-Ø
A-PL-H742Ø-Ø-Ø

[illegible]

REVISIONS				USED ON OPTION/MODEL	DRN.	DATE	TITLE										
DATE	CHG. NO.	REV				R. E. Thellen	1/29/75	H742Ø POWER SUPPLY									
6-75	H7420 - 1	A				CHK'D.	DATE										
7-75	H7420 - 2	B				P. Caporale	2/3/75										
3-76	H7420 - 3	C				PROJ ENG.	DATE										
4-76	H7420 - 4	D				E. J. W. H.	2/3/75										
						PROD.	DATE	SIZE	CODE	NUMBER				REV			
						J. Boerger	2/3/75	B	DD	H742Ø-Ø				D			
					FIELD SERV.	DATE	DIST										
					W. Henry	2-19-75											



TITLE	SHEET 2 OF 3	SIZE CODE	NUMBER	REV
H7420 POWER SUPPLY	B DD	H7420-0	D	

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COPYRIGHT © 1972 DIGITAL EQUIPMENT CORPORATION
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.

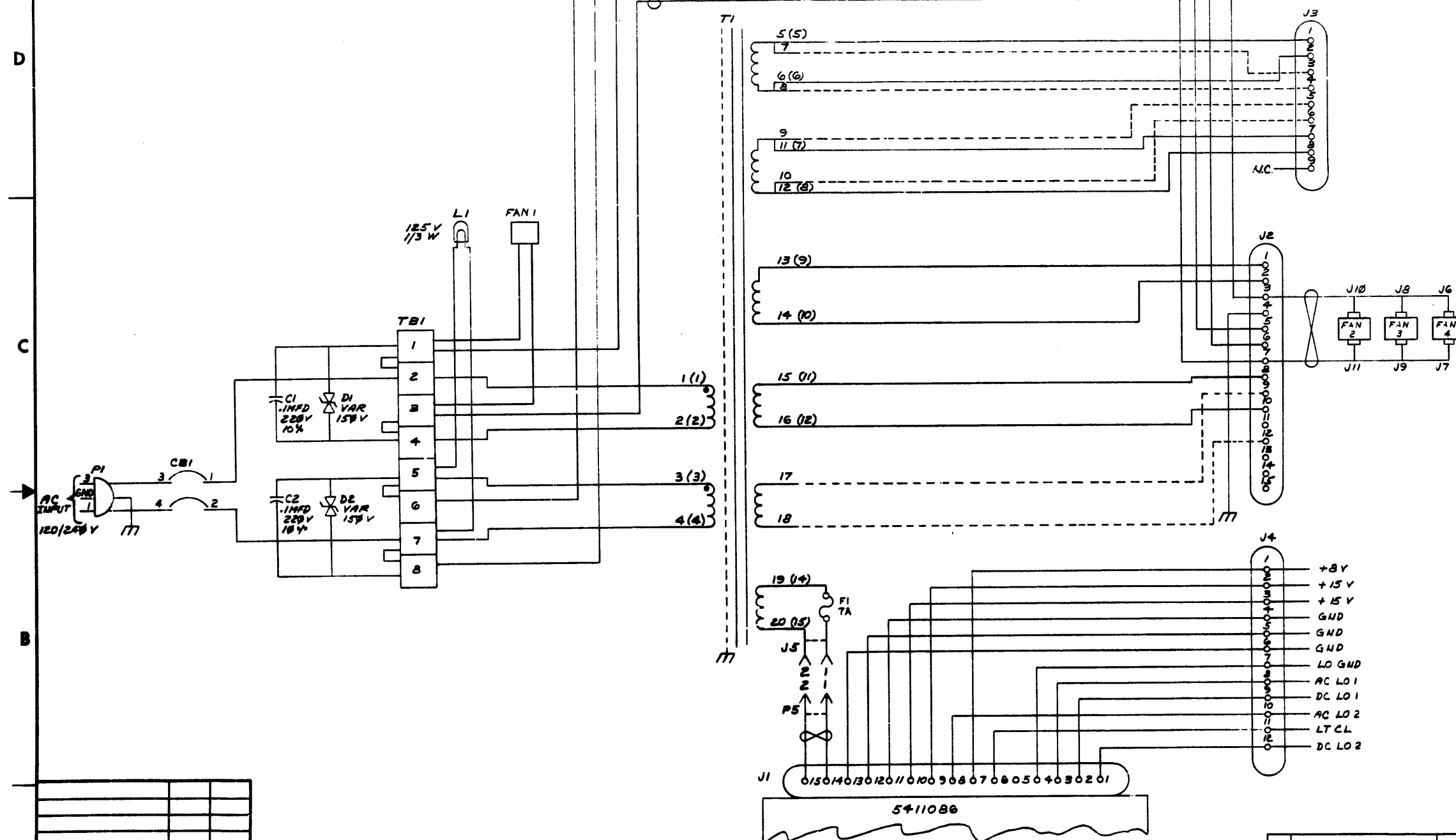
NOTES:

1. DOTTED LINES INDICATED WINDINGS OMITTED IN E AND F VERSIONS.

2. VERSION	TBI JUMPERS	CB1
A	2 + 6, 4 + 8	20 A
B	4 + 6	15
E	2 + 6, 4 + 8	20
F	4 + 6	15

3. NUMBERS IN () INDICATE XFORMER
LEAD NUMBERS ON E/F VERSION.

- ~~4. O-RING TERMINAL CONNECTIONS.~~
~~FAST PEE CONNECTIONS.~~

[illegible]**digital**

WIRING DIAGRAM

SIZE	CODE	PLUMBING
D	CS	H7420-0-1

SEMICONDUCTOR CONVERSION CHART

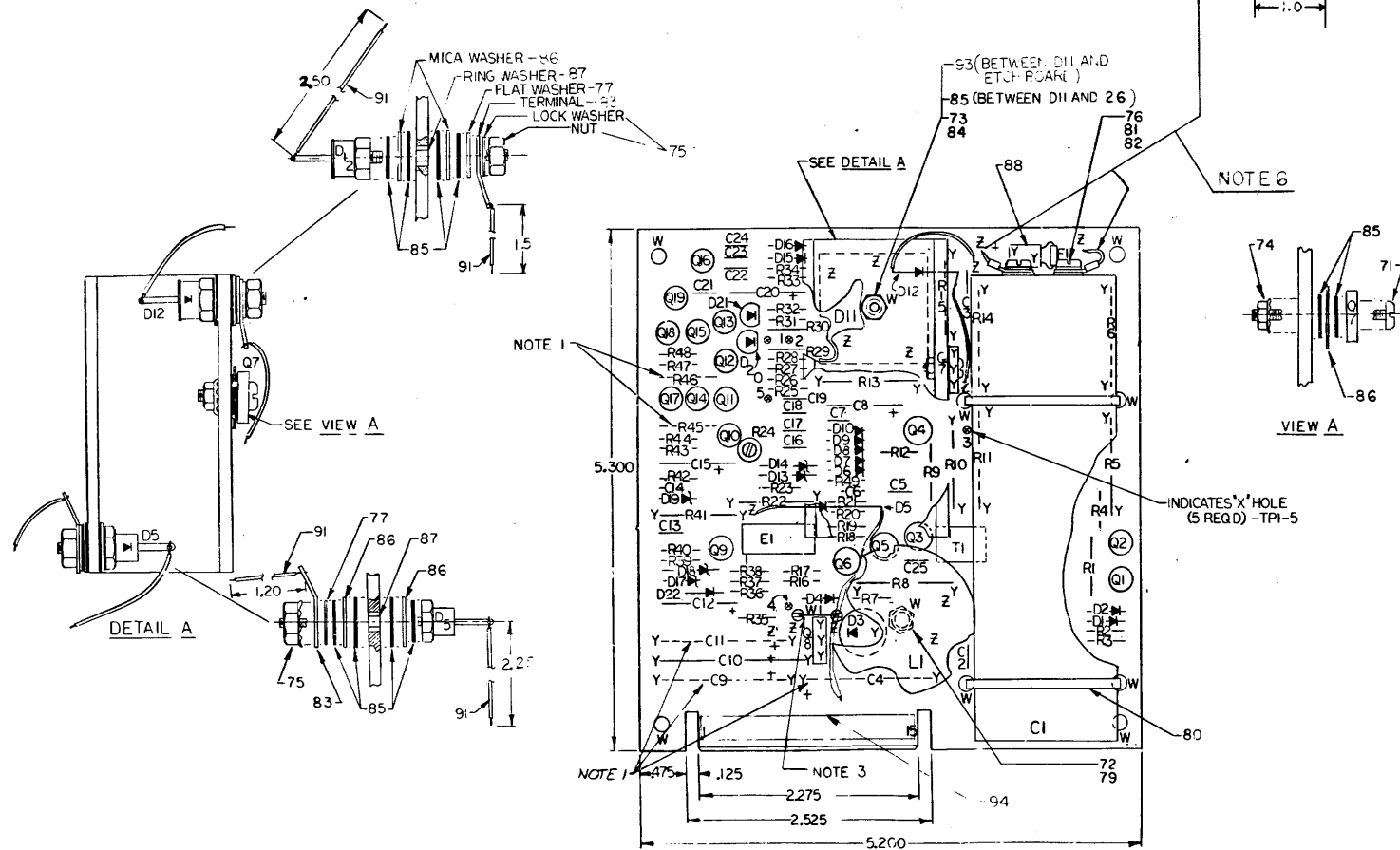
SHEET 1 OF 1

1

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NOTES:

1. R45, R46, C4, C9, & C11 ARE NOT USED ON BASIC 541086 BUT ARE RESERVED FOR PLANNED FUTURE MODULE VARIATIONS.
2. ** TOTAL +15V AND +5V CURRENT NOT TO EXCEED 40 AMPERES.
3. W1 (TEST JUMPER) MAYBE TEMPORARILY REMOVED WHILE TROUBLE-SHOOTING TO DETERMINE IF LOSS OF 15V IS DUE TO CROWBAR CIRCUITRY, BUT MUST BE IN THE BOARD FOR NORMAL OPERATION.
4. NON-ITEMIZED PARTS SUPPLIED WITH D12.
- 4 YA VERSION DOES NOT CONTAIN +15VDC REG.
5. A) FOR STANDARD VERSION USE SHEETS 1, 2, 3 & 4 OF THIS DWG.
B) FOR YA VERSION USE SHEETS 1, 2, & 3 OF THIS DWG.
6. WIRES MUST NOT EXTEND BEYOND THE DIMENSIONS OF THE BOARD.



NOTES:

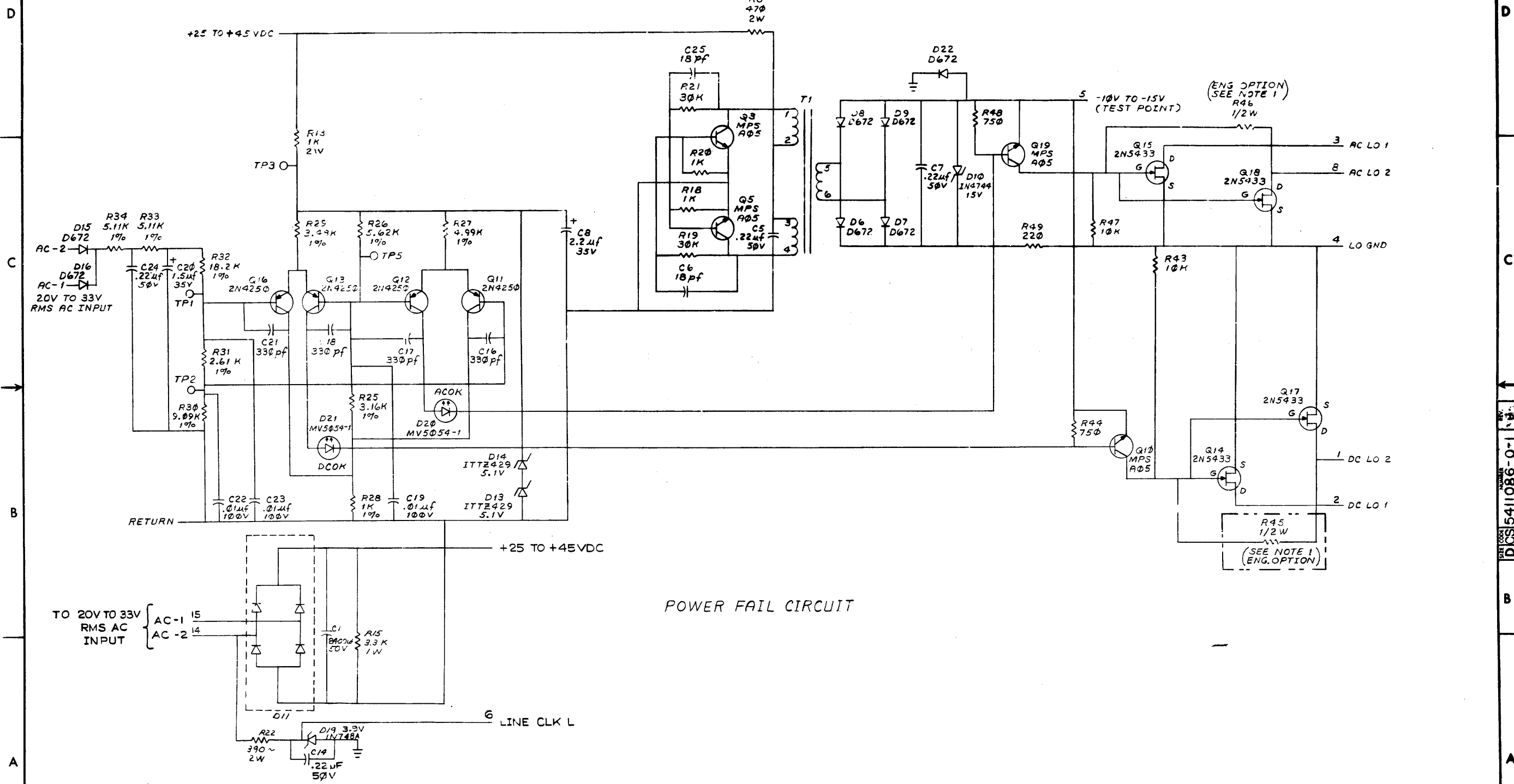
YA	QTY	REF DESIGNATION		DESCRIPTION				PART NO.	ITEM NO.
MODEL		PARTS LIST							
ETCH BOARD REV		D							
			DRN. 10-9-74	DATE 10-9-74	digital EQUIPMENT CORPORATION NARAD, MASSACHUSETTS TITLE PWR. LINE MONITOR/15V REG.				
			CHK'D.	DATE 11-7-74					
			ENG. 11-22-74	DATE 11/22/74					
			PLT. J. ENG. 11-22-74	DATE 11/22/74					
			PROD. 11-22-74	DATE 11/22/74					
			NEXT HIGHER ASSY						
O	DEC NO	EIA NO.	SCALE 1/1		SIZE CODE NUMBER DCS 5411086-0-1		REV. 1		
TOR CONVERSION CHART			SHEET 2 OF 4		DIST.				

[illegible]

TITLE PWR. LINE
MONITOR/15V REG.

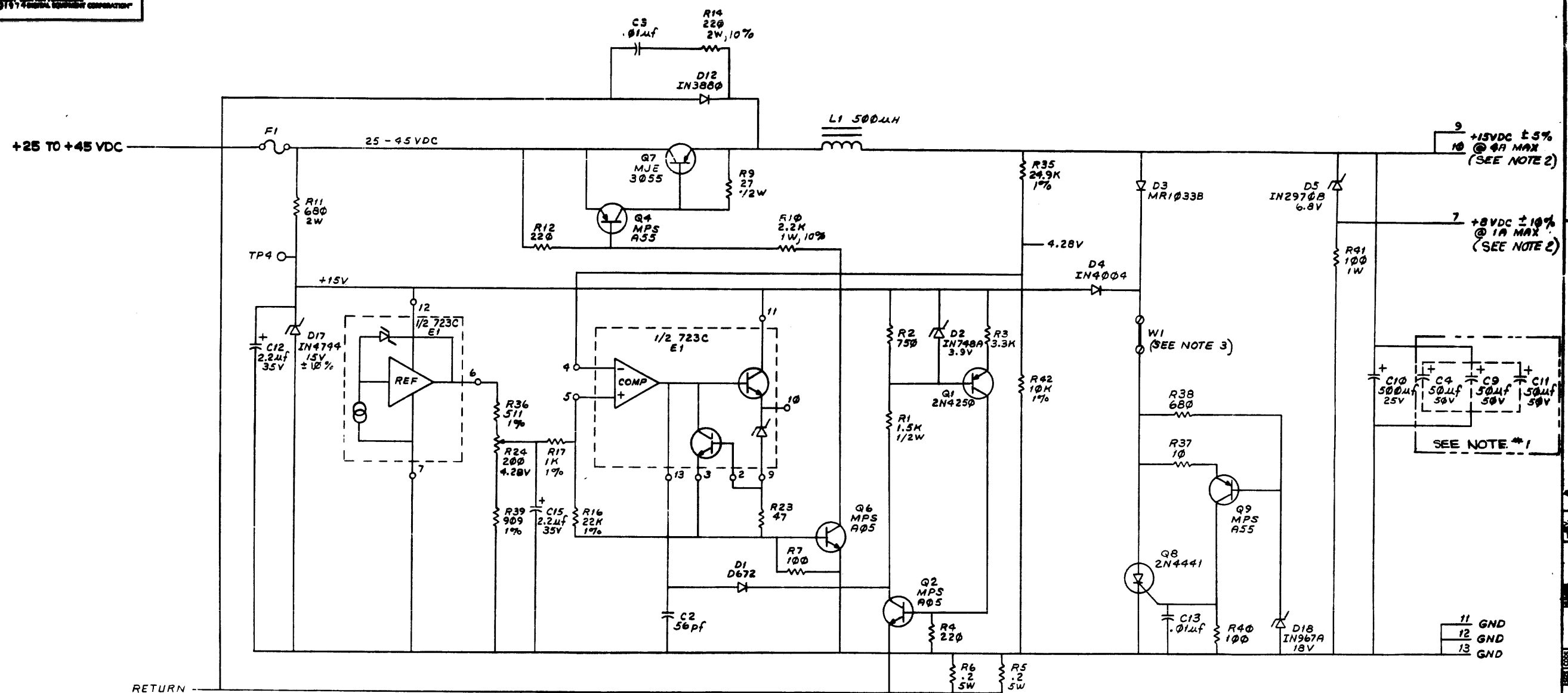
SIZE	CODE	NUMBER	REV.
D	CS	5411086-0-1	0
DIST.			

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REVISIONS		
CHK	CHANGE NO.	REV.

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15V REGULATOR
(SEE NOTE #4)

REVISIONS		
CHK	CHANGE NO.	REV.

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NOTE
UNITS MARKED WITH ASTERISK
HAVE SAME SUBDEVICE CODE
GDA = GLASS DEFECT ANALYZER
TTY SCN = 7606196

IOT ASSIGNMENTS

	Ø Ø	1 Ø	2 Ø	3 Ø	4 Ø	5 Ø	6 Ø	7 Ø
Ø	KD15 KW15 P1	UDC AFC BD15 GRAPHIC 2/1	UDC AFC BD15	VT15A GRAPHIC 2/1	LT19 TP CHI-4 * LT15A TP CHI-4 *	DC15 GDA TTY SCN	GDA	RF15
1	PC15 RDR	PHA15 NP02		VT15A	LT19 KB CHI-4 * LT15A KB CHI-4 *	AA15 GDA	GDA	
2	PC15 PUN	PHA15 NH14CR	DB09	KF15 VW01	LT19 TP CH 5-8 GRAPHIC 2/1	CAMAC GDA		RF15
3	TTY KB KD15	PHA15 NH14CR AD15 ADP15		KA15 KD15 FP15	LT19 KB CH 5-8 GRAPHIC 2/1	CAMAC	RP15	TC59
4	TTY TP	GRAPHIC 2/1	XY15	VT15B GRAPHIC 2/1	LT19 TP CH 9-12 DC ØIED 1 GRAPHIC 2/1	CAMAC * AF04B * GDA	RP15	TC59
5	VP15 GRAPHIC 2/1		DP09 2ND LP15F ECO 10	VT15B 2ND DP09A ECO 00005	LT19 KB CH 9-12 DC ØIED 2 GRAPHIC 2/1	KA15	LP15 AC HJKF	TC15 TC02
6	VP15 GRAPHIC 2/1		DP09 2ND LP15F ECO 10	2ND DP09A ECO 00005	LT19 TP CH 13-16 DC ØIED 3		LP15 AC HJKF	TC15 TC02
7	VP15 GRAPHIC 2/1	KM15 KT15	MP15		LT19 KB CH 13-16 DC ØIED 4 GRAPHIC 2/1		CR15 * CR03B *	KD15 KA15

REV.	A
CHANGE NO.	15-00088
CHK	HALIO
DATE	7/12/72

DEC FORM NO.
DRC 100-A

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITM NO.
PDP -15				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN. B C RAMM	DATE 5-26-72	PARTS LIST	
DECIMALS	CHK'D. B. Gamm	DATE 6-1-72	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
ANGLES	ENG. B. Gamm	DATE 6-1-72	TITLE	
.XXX = .005	PROJ. ENG. B. Gamm	DATE 6-1-72	PDP-15 API, DCH, IOT	
.XX = .02	PROB. B. Gamm	DATE 6-1-72	ASSIGNMENTS	
.X = .1				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓				
MATERIAL	NEXT HIGHER ASSY.	SIZE CODE	NUMBER	REV.
FINISH	A-ML-PDP15-Ø	C SP	PDP 15-Ø-19	A
	SCALE NON E			
	SHEET 1 OF 2	DIST.		

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API ASSIGNMENTS

ADDRESS	DEVICE	OPTION	PRIORITY
40	SOFTWARE	0	4
41	SOFTWARE	1	5
42	SOFTWARE	2	6
43	SOFTWARE	3	7
44	DECTAPE	TC02-TC15	1
45	MAGTAPE	TC59	1
46	DISPLAY 2ND LINE PRINTER	VT15B LP15F ECO 10	2
47			
50	PAPER TAPE READER	PC15	2
51	CLOCK OVER FLOW	KW15	3
52	POWER FAIL	KF15	0
53	PARITY	MP15	0
54	DISPLAY (LP-DONE FLAG)	VT15A,B / VP15	2
55	CARD READER GRAPHIC 2/1	CR03B/CR15	2
56	LINE PRINTER GRAPHIC 2/1	LP15 C,F	
57	A/D CONVERTER	AD15/ADF15	0
60	INTERPROCESSOR BUFFER GRAPHIC 2/1	DB09A	3
61			
62	SYNCH. COMM. DEVICE	DP09A	2
63	DEC DISK GRAPHIC 2/1	RF15	1
64	DISK PACK GRAPHIC 2/1	RP15	1
65	PLOTTER COMM. 1	XY15 DC01EB	2
66	COMM 2, CAMAC, CA15 GDA	DC01EB	2
67	COMM 3, CAMAC, CA15	DC01EB	2
70	CAMAC, CA15, GDA, DC01ED GRAPHIC 2/1, PHA15	NP02	0
71	GDA, DC01ED, GRAPHIC 2/1 PHA15, UDC15	NP02	0
72	DC01ED, GRAPHIC 2/1 PHA15, FLYING CAP	NP02 AFC15	0 1
73	DC01ED, GRAPHIC 2/1 WRITING TABLE	VW01	2
74	DC01ED, GRAPHIC 2/1 TELETYPE KEYBOARD	LT19/LT15A	3
75	GDA, DC01ED, GRAPHIC 2/1 TELETYPE PRINTER	LT19/LT15A	3
	AF04B		
76	GDA, DC01ED, GRAPHIC 2/1 PHA15, DATA COMM 4	NP02, DC01EB	0,1
77	PHA15	NP02	0

DCH ASSIGNMENTS

ADDRESS	DEVICE	OPTION
22	INTERPROCESSOR BUFFER	DB09
23		
24	INTERPROCESSOR BUFFER	DB09
25	PHA15	NP02
	A/D CONVERTER 2ND LINE PRINTER	AD15, ADF15, CA15 LP15F ECO 10
26	CARD READER	CR15, CR03B
27	A/D CONVERTER	AD15, ADF15, CA15
30	DECTAPE 1	TC15
31		
32	MAGTAPE CONTROL	TC59
33		
34	LINE PRINTER	LP15A,F
35		
36	DEC DISK	RF15
37		
PROGRAMABLE DISPLAY		GRAPHIC 2/1

REV.	CHANGE NO.
CHK	

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.
PDP-15			
PARTS LIST			
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN. B. GRAMM	DATE 5-26-72	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
DECIMALS	CHK'D. B. GRAMM	DATE 6-1-72	
ANGLES	ENG. B. GRAMM	DATE 6-1-72	
.XXX - .005 .XX - .02 .X - .1	PROJ. ENG. F. Hales	DATE 6-1-72	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROD. F. Hales	DATE 6-1-72	
MATERIAL	NEXT HIGHER ASSY.		
FINISH	A-ML-PDPI5-0		
SCALE NONE		SIZE CODE	NUMBER
SHEET 2 OF 2		C SP	PDPI5-0-19
		DIST.	REV. A

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

**...EQUIPMENT COMPANY
MAYNARD, MASSACHUSETTS**

PARTS LIST

MADE BY	<i>H. Crean</i>	CHECKED	<i>Bill Harg</i>	SECTION
DATE	<i>12 JAN 1976</i>	DATE	<i>27 JAN 76</i>	1
ENG	<i>H. Crean</i>	PROD	<i>74 Harg</i>	ISSUED SECT.
DATE	<i>19 Jan 1976</i>	DATE	<i>19 JAN 76</i>	1

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION
1	EK-15XVM-MM-001	XVM Systems Maintenance Manual
2	EK-15XVM-OP-001	XVM Systems Reference Manual
3	MP-00025	Print Set
4	EK-15003-TM-002	PDP-15 Module Manual
5	EK-MF15-MM-001	MF15 Core Memory Maintenance Manual
6	EK-86LAB-MM-002	861 PC Maintenance Manual
7	EK-15006-TM-004	PDP-15 Interface Manual
8	EK-15008-OP-001	PDP-15 Instruction List
9	EK-BALLK-MM-002	BALL-K Mounting Box Manual
10	B-DD-ME15-0	ME15 Memory Print Set
11	EK-ME15-MM-001	ME15 Core Memory Manual
12	B-DD-BALLK	BALLK Print Set
13	A-ML-PC05-0	PC05 Print Set
14	EK-PC4/5-MM-003	PC04/PC05 Papertape Reader & Punch Manual
15	B-DD-861-0	861 PC Print Set
16	3605363-01	Fanfold Papertape
17	9006077-3	10-32X1" Screws Trusshead
18	EN-01031-12	Log Book
19	EE-03936-74	Supply Brochure
20	ED-03491-74	Accessory Brochure
21	9007651	10132 Star Washers
22	9007218	3 amp mdl Fuses

TITLE	XV100 SHIPPING LIST
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ASSY NO.

SIZE	CODE
A	PL

NUMBER

XV100-0-5

SIZE	A
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DIST

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

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

LEWIS, MARY ANN, MARY ANN, MASSACHUSETTS

PARTS LIST

MADE BY <i>J. Creas</i>		CHECKED <i>Bill Hays</i>		SECTION
DATE	19 JAN 1976	DATE	12 Jan 76	1
ENG	<i>J. Creas</i>	PROD	12 Jan	
DATE	19 JAN 1976	DATE	19 Jan 76	ISSUED SECT.
				1

[illegible]

TITLE
xv100 Shipping List

ASSY NO.

SIZE	CODICE
A	PL

NUMBER

XV100-0-5

SIZE
A

DIS.

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