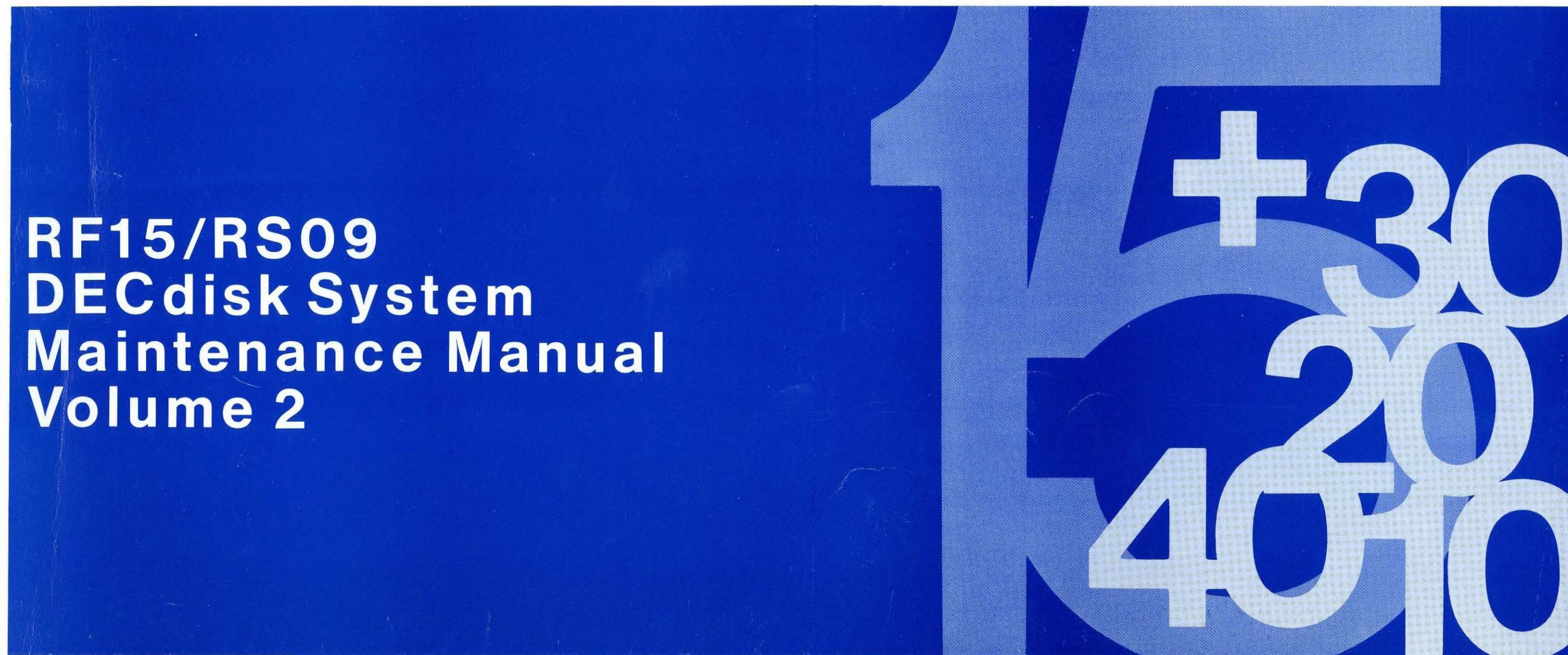


## PDP-15 Systems

**RF15/RS09  
DECdisk System  
Maintenance Manual  
Volume 2**



**PDP-15 SYSTEMS**  
RF15/RS09 DECdisk SYSTEM  
MAINTENANCE MANUAL  
VOLUME 2



1st Printing October 1970  
2nd Printing (Rev) July 1971

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# RF15/RS09 DECdisk System Engineering Drawings

This volume of the RF15/RS09 DECdisk System Maintenance Manual contains the engineering drawings for the RF15 DECdisk Control and the RS09 DECdisk Drive that are referenced in Volume 1.

## DRAWING CODES

Digital Equipment Corporation engineering drawings are coded to designate drawing type, major assembly, and series. A drawing number such as D-BS-RF15-0-01 contains the following information:

D	Size (original)
BS	Type (block schematic)
RF15	Equipment designation
0	Manufacturing variation
01	The first drawing of a series

The drawing type codes are defined as follows:

AD	Assembly drawing
AR	Arrangement drawing
BS	Block schematic
CS	Circuit schematic
DI	Drawing index
FD	Flow diagram
IA	Inseparable Assembly
IC	Interconnection cabling
ML	Master drawing list
MU	Module utilization drawing
PL	Parts list
TD	Timing diagram
UA	Unit assembly
WL	Wire list

## DRAWING NUMBER INDEX

Table 1 is an index to the engineering drawings, arranged by equipment and drawing type codes.

Table 1  
Drawing Number Index

Drawing No.	Revision	Title
RF15 DECdisk Control		
D-UA-RF15-0-0		RF15 DECdisk Control
A-PL-RF15-0-0		RF15 DECdisk Control
A-PL-7006675-0-0		RF15 Wired Assembly
D-BS-RF15-0-01	C	A Timing Track Error Detection and Regeneration
D-BS-RF15-0-02	C	B, C, and D Timing Track Error Detection and Regeneration
D-BS-RF15-0-03	E	RF15 Control 1
D-BS-RF15-0-04	A	RF15 Control 2
D-BS-RF15-0-05		Program Control 1
D-BS-RF15-0-06		Program Control 2
D-BS-RF15-0-07	C	DCH Control
D-BS-RF15-0-08	B	API Control
D-BS-RF15-0-09	A	Maintenance Timing Track
D-BS-RF15-0-10	D	Status Register
D-BS-RF15-0-11		Disk Selection
D-BS-RF15-0-12	A	Disk Segment
D-BS-RF15-0-13		Word Address
D-BS-RF15-0-14	B	Disk Track Address
D-BS-RF15-0-15		Equal Comparison Gating
D-BS-RF15-0-16	A	Shift Register 1
D-BS-RF15-0-17	A	Shift Register 2 (2 sheets)
D-BS-RF15-0-18		Buffer Register 1
D-BS-RF15-0-19		Buffer Register 2
D-BS-RF15-0-20	A	IOB Sel 1
D-BS-RF15-0-21		IOB Sel 2
D-BS-RF15-0-22		IOB Sel 3
D-IC-RF15-0-23		Indicator Cables
D-BS-RF15-0-24		RF15 I/O Drivers and Receivers 1
D-BS-RF15-0-25	B	RF15 I/O Drivers and Receivers 2
D-BS-RF15-0-26	B	RF15 I/O Drivers and Receivers 3
D-BS-RF15-0-27		1-Cycle Data Break
D-IC-RF15-0-28		RF15 To and From RS09
D-IC-RF15-0-29	A	RF15 I/O Cable



Table 1 (Cont)  
Drawing Number Index

Drawing No.	Revision	Title	
RF15 DECdisk Control (Cont)			
D-BS-RF15-0-30 D-BS-RF15-0-31 D-BS-RF15-0-32	A	Selection Panel Converter RS09-RF15 ADS Register	
D-IC-RF15-0-35 D-DI-RF15-0-36 D-AR-RF15-0-37		B C	AC, DC Power Wiring (3 sheets) Drawing Index List RF15/RS09 Arrangement
D-MU-RF15-0-38 A-PL-RF15-0-38		D D	Module Utilization (2 sheets) Module Utilization Parts List (2 sheets)
D-FD-RF15-0-39 D-AD-7006675-0-0 D-AD-7006356-0-0	A B	Flow Diagram (3 sheets) RF15 Wired Assembly Jumper Panel Assembly (RF09)	
C-AD-5408405-0-0 B-CS-5408405-0-1 E-IA-5408458-0-0 D-CS-5408458-0-1	P	Panel Left End Assembly (RF09) Panel Left End Assembly (RF09) Etch Board Assembly Etch Board Assembly	
RS09 DECdisk Drive			
A-ML-RS09-0 A-ML-RS09-P A-PL-RS09-0-0	N J D	262K 18-Bit DECdisk (RS09) 60 Hz Chassis Assembly with Logic 262K 18-Bit DECdisk (RS09) (2 sheets)	
D-UA-RS09-0-0 D-BS-RS09-0-1 D-BS-RS09-0-2 D-BS-RS09-0-3 D-BS-RS09-0-4 D-BS-RS09-0-5 D-IC-RS09-0-7	D A A A	262K 18-Bit DECdisk (RS09) Control 1 Track Select Matrix 0 Track Select Matrix 1 Control Unit Connectors Control 2	
D-DI-RS09-0-8 D-MU-RS09-0-9 A-PL-RS09-0-9 E-AD-7006255-0-0	E A A C	RS09 Location Chart, Track, Head, Cable Drawing Index List RS09-0 (2 sheets) Module Utilization (RS09) Module Utilization List (RS09) Blower Filter Assembly (RS09)	
RS09-TA Timing Track Writer			
D-UA-RS09-TA-0 A-PL-RS09-TA-0 D-MU-RS09-TA-1 A-PL-RS09-TA-1	A A B B	Timing Track Writer RS09-TA (2 sheets) Timing Track Writer (RS09-TA) (2 shts) Module Utilization RS09-TA Module Utilization List (RS09-TA)	

Table 1 (Cont)  
Drawing Number Index

Drawing No.	Revision	Title
RS09-TA Timing Track Writer (Cont)		
D-BS-RS09-TA-2 D-BS-RS09-TA-3	B C	RS09 TTW Cont.; Prim. Track Writers RS09 TTW Cont., Gap Det. Spare Track Writers
D-BS-RS09-TA-4 D-FD-RS09-TA-5 D-TD-RS09-TA-6	C A A	RS09 TTW BC, WA, CLK RS09 TT Writer Flow Chart RS09 TT Writer Timing Diagram, Stop Timing
D-DI-RS09-TA-7 D-AD-7006493-0-0 A-PL-7006493-0-0 D-IA-7006522-0-0 A-ML-RS09-TA	A A D E	RS09-TA Drawing Index List RS09-TA Wired Assembly RS09-TA Wired Assembly Timing Track Writer RS09-TA
RS08-M Disk Assembly		
A-ML-RS08-M D-UA-RS08-M-0 A-PL-RS08-M-0 D-DI-RS08-M-1 D-AD-7006156-0-0 D-CS-7006156-0-1 C-AD-7005740-0-0	F C C C J E A	RS08-M Disk Assembly 60 Hz RS08-M Disk Assembly (2 shts) RS08-M Disk Assembly (2 shts) RS08-M Disk Assembly Chassis Assembly w/o Logic (2 shts) Power Control and Motor Control Head Shoe Assembly
Power Supply 705-B		
A-PL-705-B-0 D-UA-705-B-0 C-CS-705-B-1	A A	Power Supply 705-B (3 shts) Power Supply 705-B (2 shts) Power Supply 705-B
Indicator Power Supply 716		
B-CS-716-B-1 D-UA-716-0-0 A-PL-716-0-0	E E	716B Circuit Schematic Indicator Power Supply 716 Indicator Power Supply 716 (2 shts)
Line Filter and Power Control 855		
D-UA-855-0-0 C-CS-855-0-1	A	Line Filter and Power Control 855 (2 shts) 855 Circuit Schematic

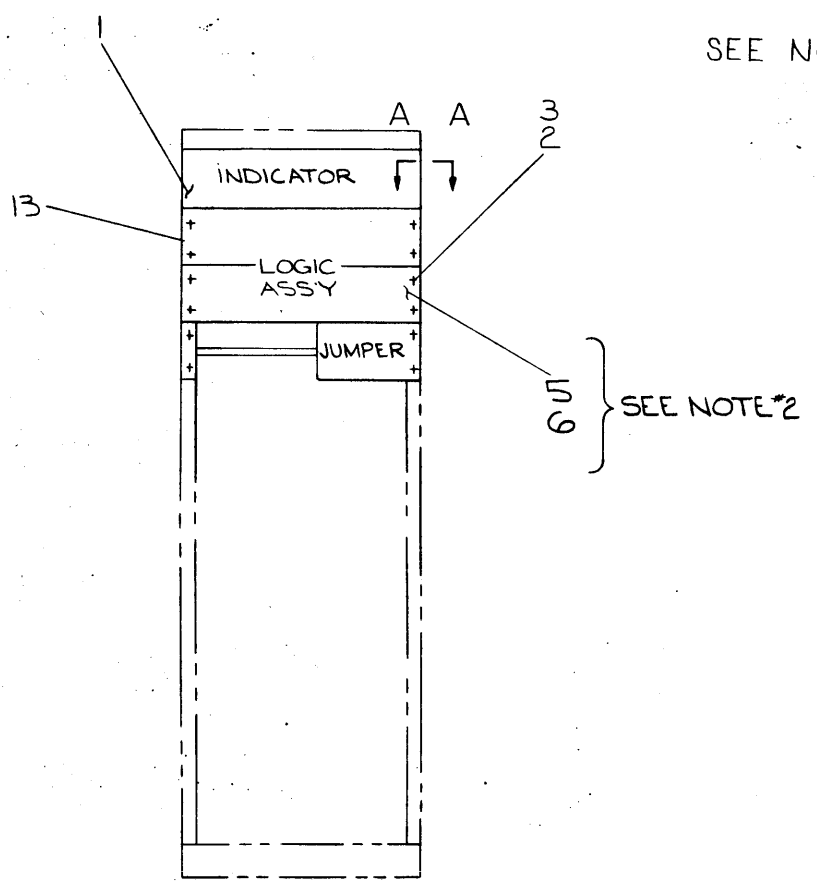
Table 1 (Cont)  
Drawing Number Index

Drawing No.	Revision	Title
RF09 Tester		
A-ML-RF09-T D-UA-RF09-T-0 C-CS-RF09-T-01 D-IC-RF09-T-02 D-BS-RF09-T-03 D-MU-RF09-T-04 A-WL-RF09-T-05  A-PI-3700006-0-0  A-PI-37000014-0-0		RF09 Tester RF09 Tester (2 sheets) Power Supply Cables Indicator Drivers RF09-T Module Utilization General Wiring Sheet, Track and Disk Select Monitor (2 shts) RS08 Cabinet-Mounted Disk Dry Packaging of Disk Assembly (3 shts) RS08/09 Packaging Instruction (3 shts)

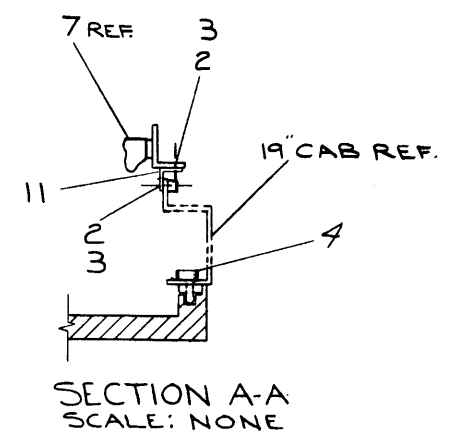
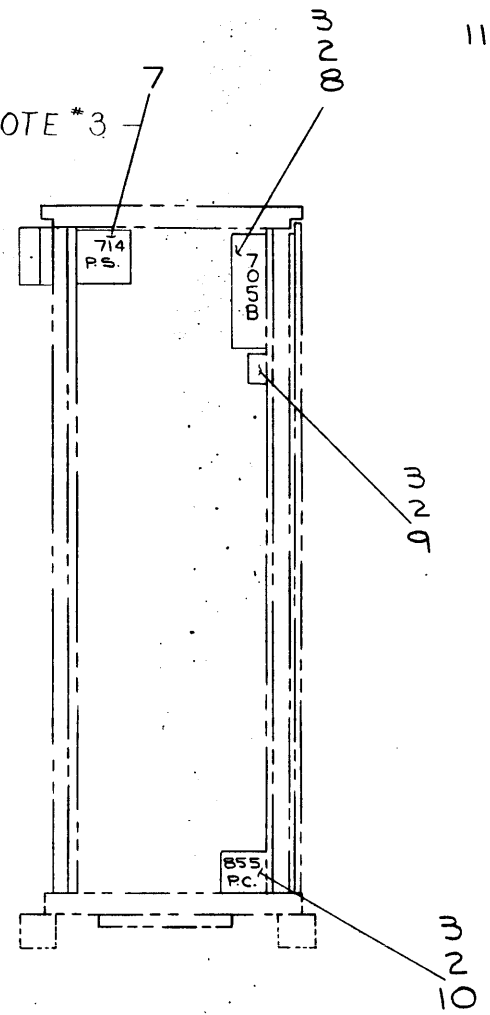
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REV. B  
 NUMBER DUA RF15-0-0  
 SIZE CODE 2

- NOTES**
1. FOR DWG INDEX LIST REFER TO DWG D-DI-RF15-0-36
  2. FOR CABLE ORIENTATION REFER TO MODULE UTILIZATION D-MU-RS09-0-5 & D-MU-RF15-0-38
  3. SEE DRAWING D-UA-7006748-0-0 FOR INSTALLATION OF CAR AND BRKT.



SEE NOTE \*3



REV.	CHANGE NO.	DATE	BY	CHK
A	RF15-00013	5-21-71	VONADA	
B	RF15-00018	5-24-71	D. VONADA	
	RF15-00019	5-27-71	D. VONADA	
	RF15-00020	10-5-72	D. VONADA	

FIRST USED ON OPTION/MODEL  
 RF15

DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED	DATE 1-15-70
DIMENSION IN INCHES	DATE 1-29-70
TOLERANCES	DATE 1-23-70
ANGLES	DATE 1-23-70
FINISH	DATE 1-23-70
MATERIAL	DATE 1-23-70
FINISH	DATE 1-23-70

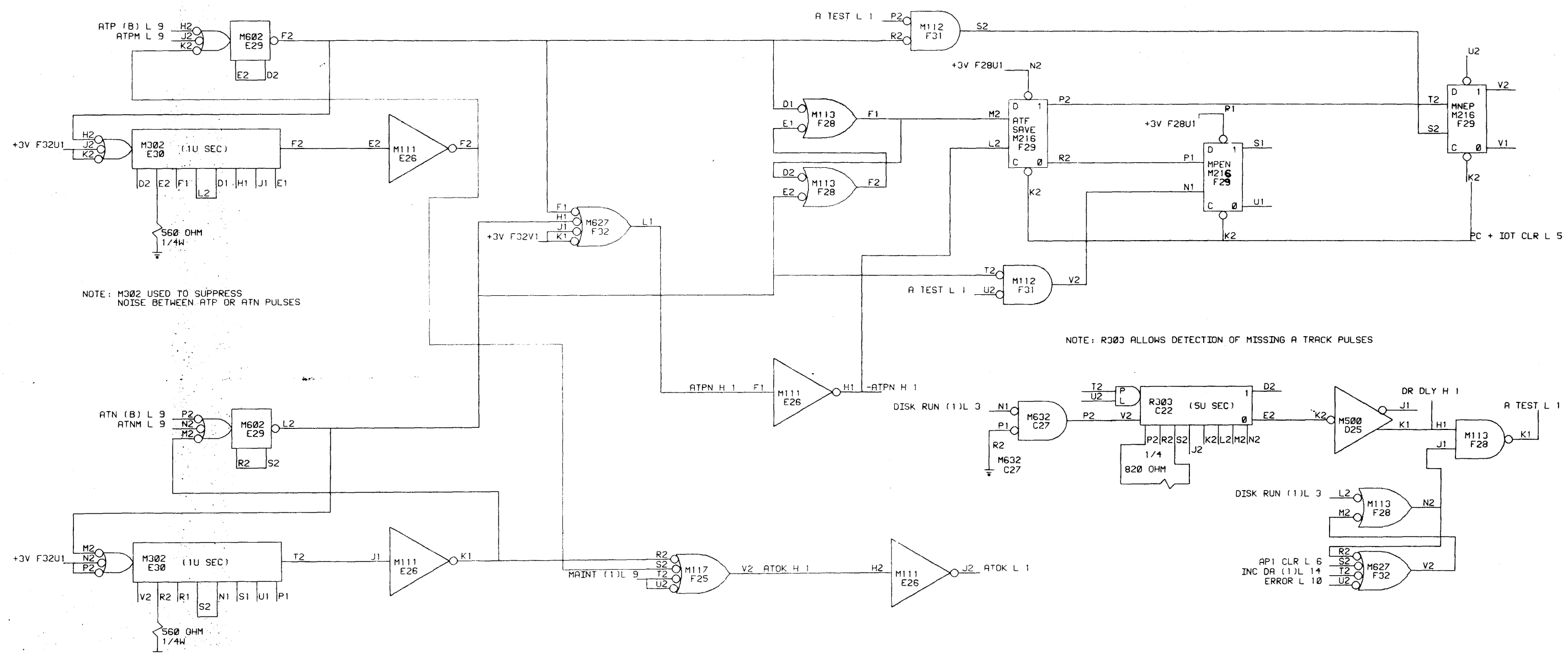
QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
TITLE DEC DISK CONTROL RF15			
SIZE CODE	NUMBER	REV.	
DUA	RF15-0-0	B	
SHEET	OF	DIST.	
1	1		







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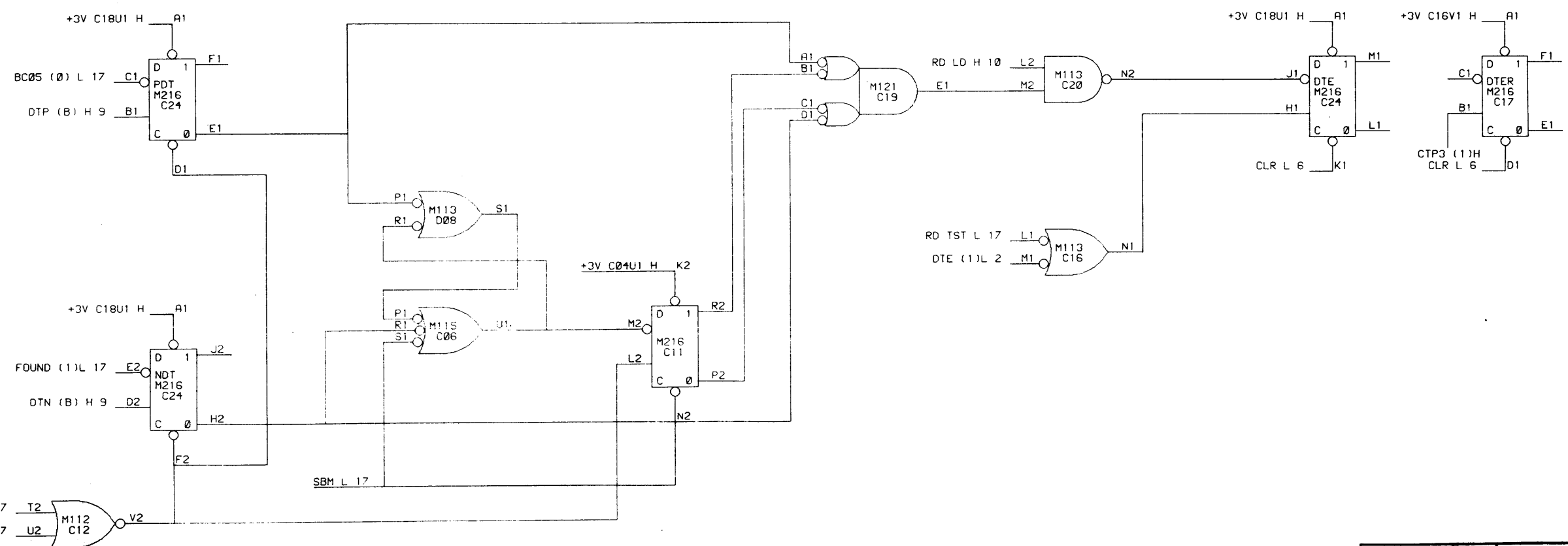
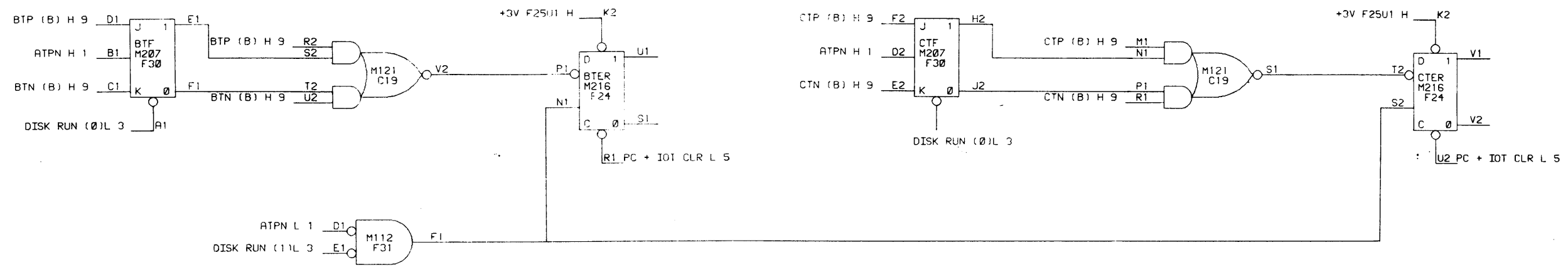


REVISIONS		
CHK	CHANGE NO.	REV.
TC	RF15-00001	A
	R SOFKA 5/24/70	
	E KING	
TC	RF15-00002	B
	R SOFKA	
	E KING	
	RF15-00004	C

DRN	J FASSHAUER	DATE	11/29/69	 digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHKD	N RHEULT	DATE	11/29/69	
ENG	E KING	DATE	12/1/69	TITLE
PROV	D VONHADA	DATE	12/1/69	ATT ERR DET AND REGEN
PROD	C LIMPKINS	DATE	12/2/69	
FIRST USED ON	RF15	SIZE CODE	D BS	NUMBER
SCALE		DIST.		RF15-0-01
SHEET	1	OF	1	REV.
				C



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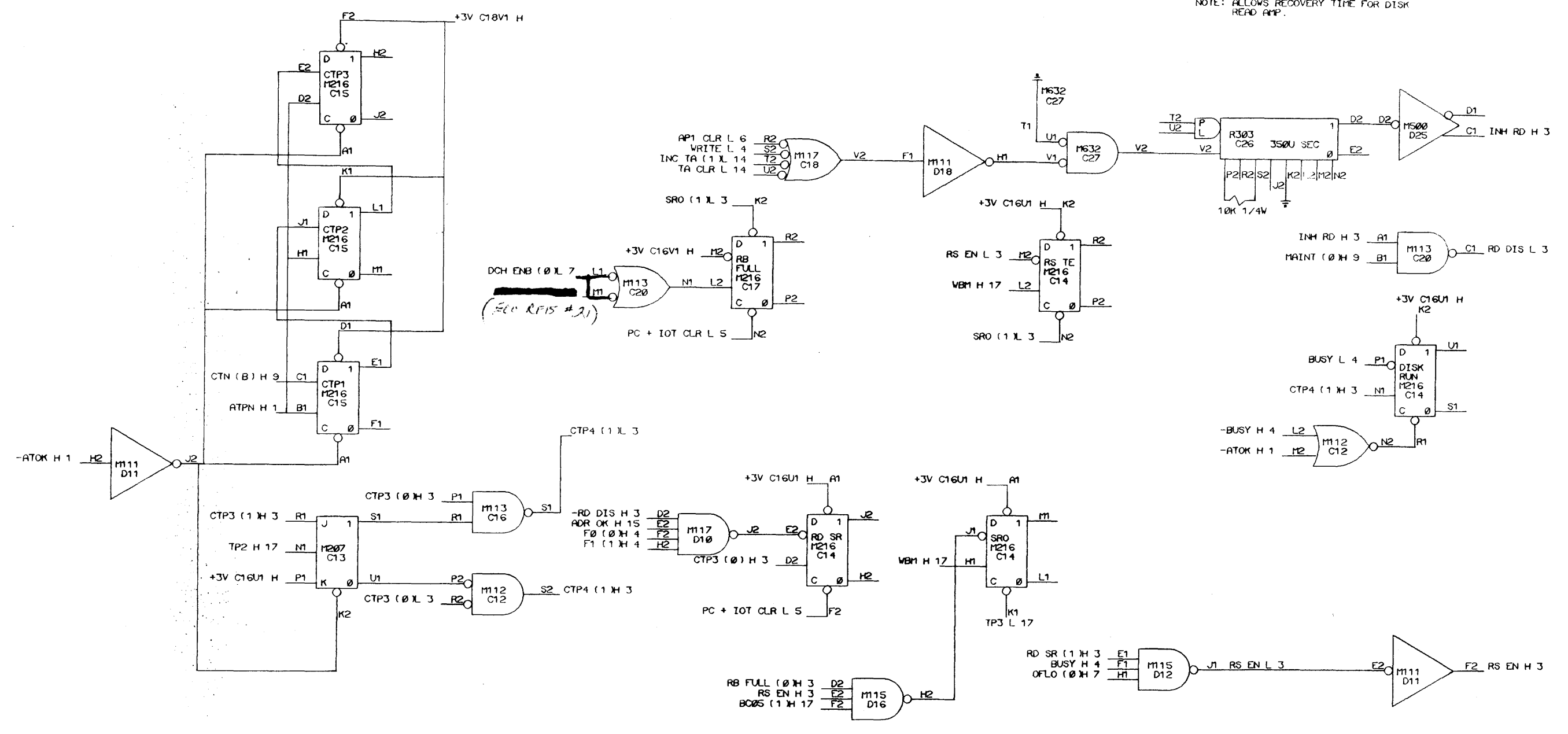


REVISIONS		
CHK	CHANGE NO.	REV.
AC	RF15-00001	A
	R SOFKA 5/27/70	
	D VONADA 6/9/70	
GH	RF15-00006	B
	K COTE 7/8/70	
	D VONADA 7/10/70	
	RF15-00010	FC
	D VONADA 9-25-70	

DRN J FASSHAUER	DATE 11/29/69		<b>digital EQUIPMENT CORPORATION</b> <small>MAYNARD, MASSACHUSETTS</small>
CHKD N RAEULT	DATE 11/29/69		TITLE B C D TT ERR DET AND REGEN
ENGR E KING	DATE 12/1/69	PROJ ENGR D VONADA	DATE 12/1/69
PROD C TOMPKINS	DATE 12/2/69	FIRST USED ON RF15	SCALE D BS
SHEET 1	OF 1	SIZE CODE D BS	NUMBER RF15-0-02
		DIST.	REV. C

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NOTE: ALLOWS RECOVERY TIME FOR DISK READ AMP.



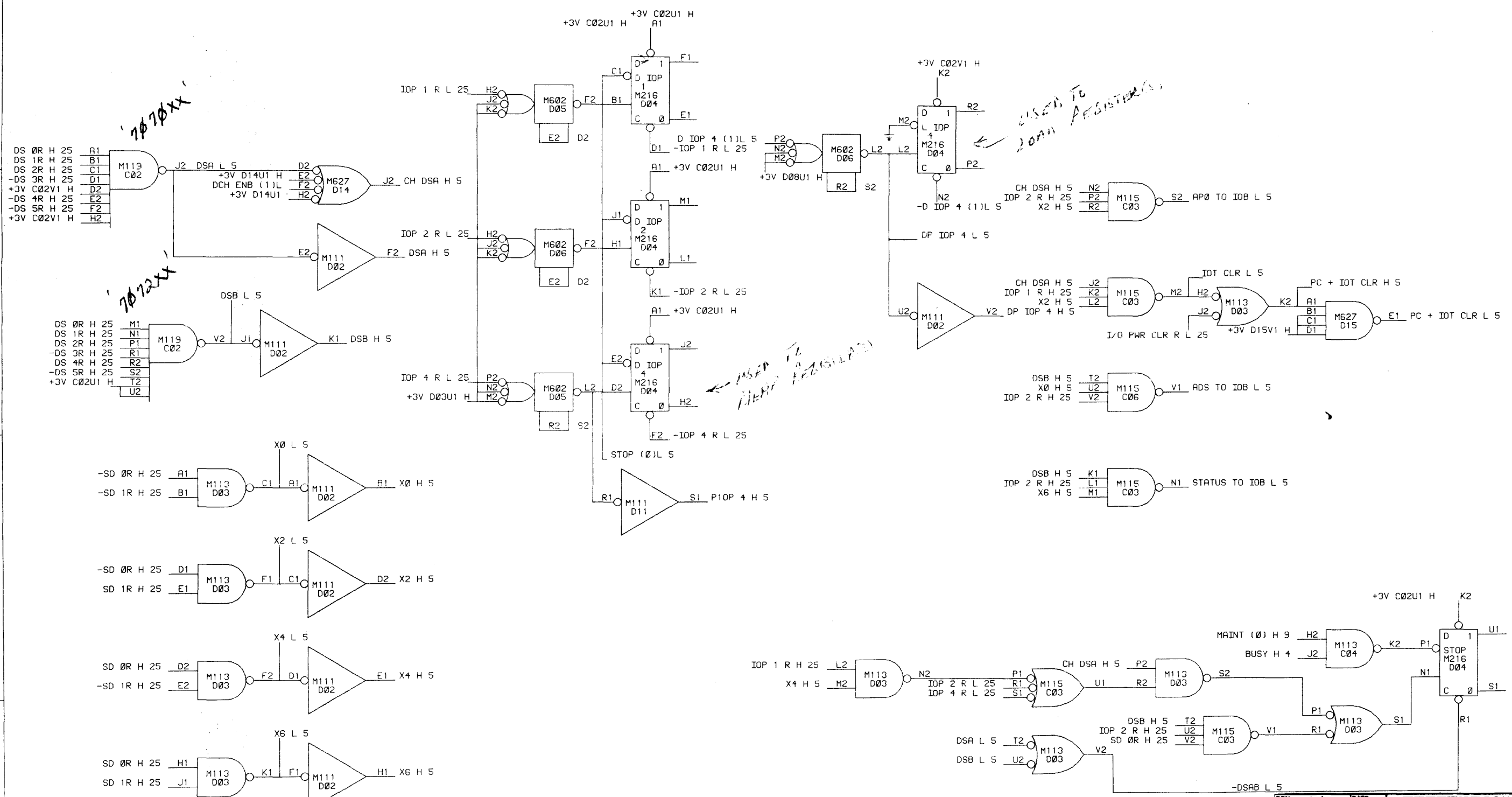
REVISIONS			REVISIONS		
CHK	CHANGE NO.	REV.	CHK	CHANGE NO.	REV.
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	R SOFKA 5/27/70				
	D VONADA 6/9/70				
GN	RF15-00005	B			
	K COTE 7/7/70				
	D VONADA				
GH	RF15-00006	C			
	K COTE 7/8/70				
	D VONADA 7/10/70				
GH	RF15-00010	D			
	N LEGERE 9/24/70				
	D VONADA 9/25/70				

DRN J FASSHAUER	DATE 11/29/69	 digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS
CHKD N RHEAULT	DATE 11/29/69	
ENG E KING	DATE 12/1/69	TITLE RF15 CONTROL 1
PROJ. ENG. D VONADA	DATE 12/1/69	
PROD. C TOMPKINS	DATE 12/2/69	
FIRST USED ON RF15		
SCALE SHEET 1 OF 1	DIST.	REV. E



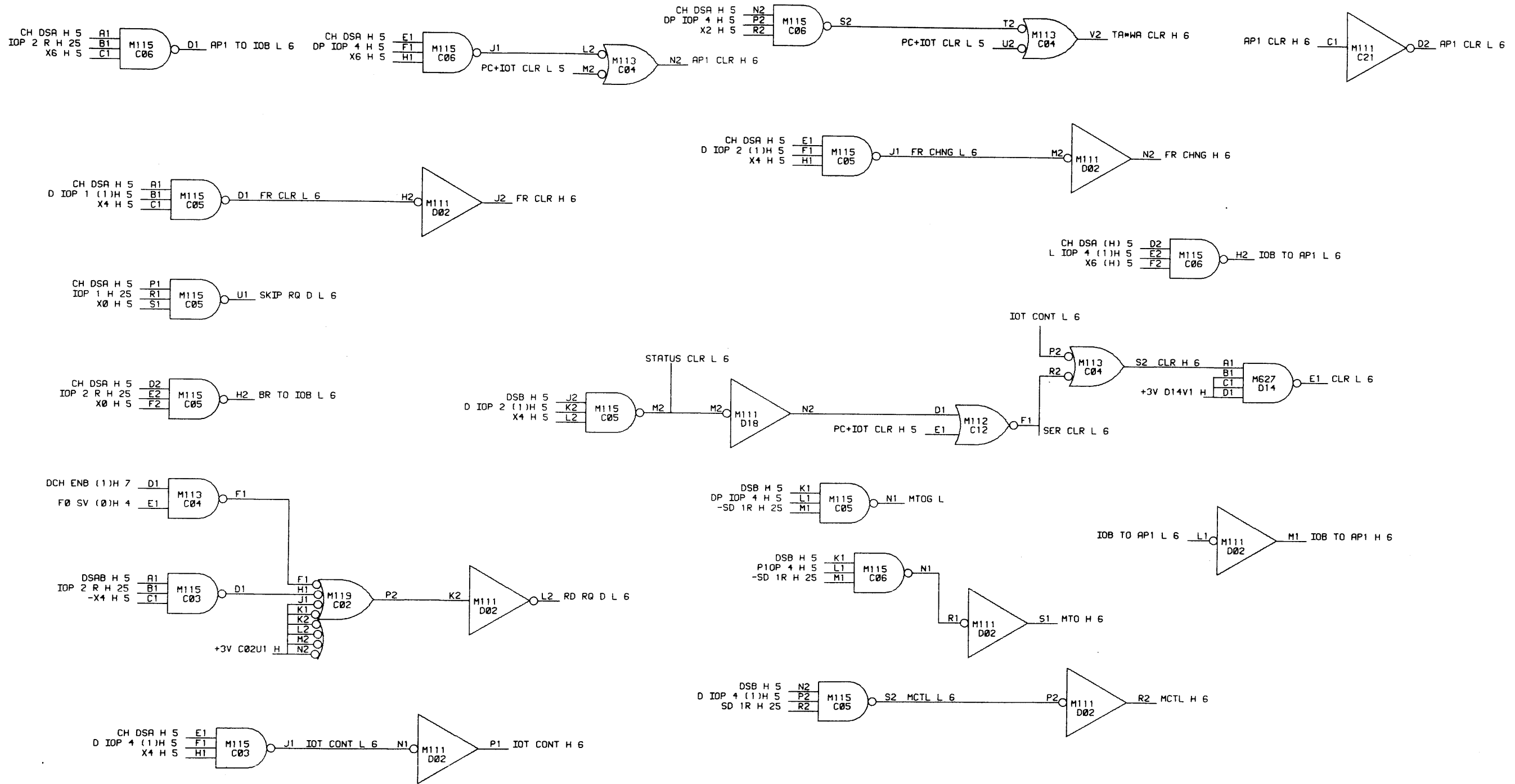


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DRN <i>F. Baskerville</i>	DATE 11/9/69	 digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE PROGRAM CONTROL 1
CHK'D. <i>F. Baskerville</i>	DATE 11/9/69		
ENG. <i>C. J. King</i>	DATE 12-1-69		
PROB. ENR. <i>B. J. Tomoda</i>	DATE 12-1-69		
PROB. <i>C. J. King</i>	DATE 12-2-69		
FIRST USED ON			
RF15		SIZE CODE D BS	NUMBER RF15-0-05
SCALE		DIST.	REV. 00
SHEET 1 OF 1			

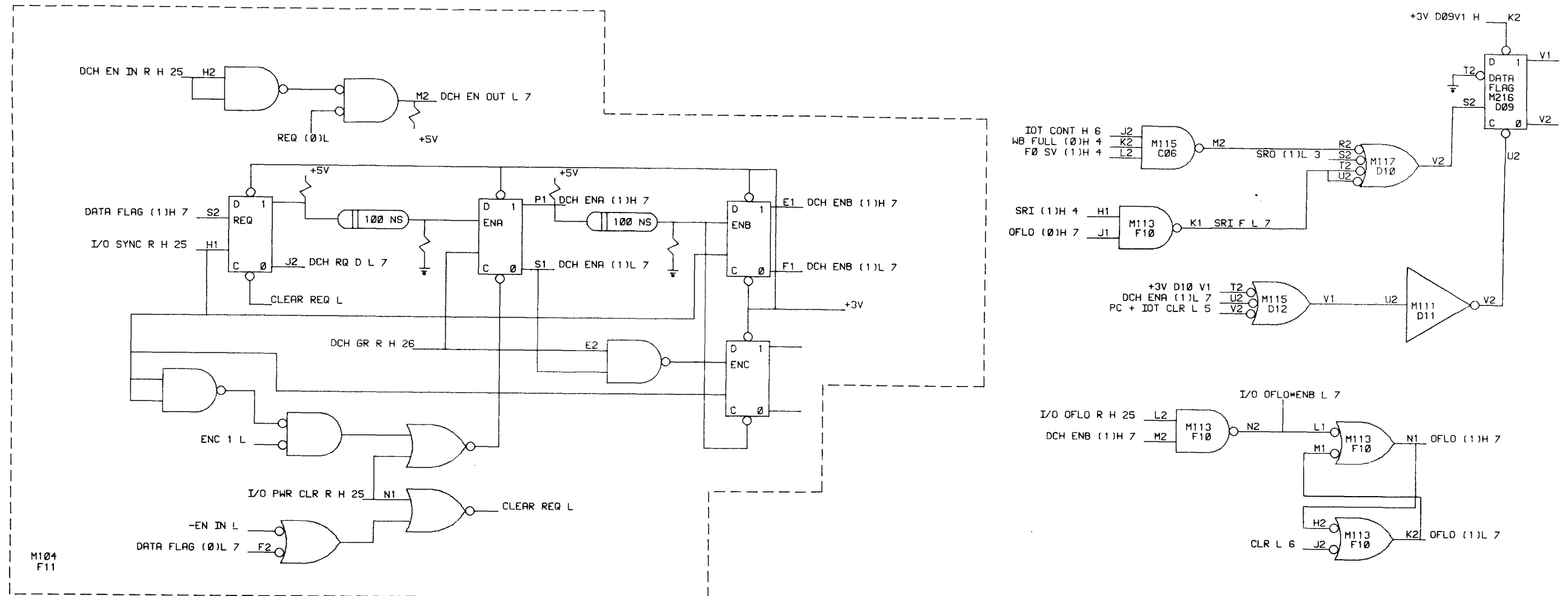
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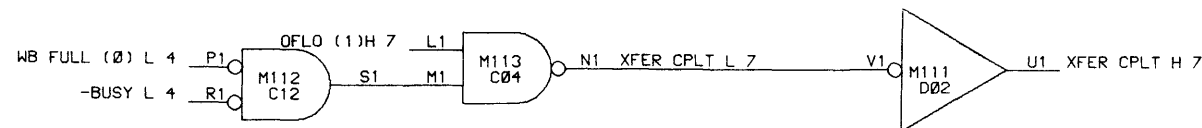
REVISIONS		
CHK	CHANGE NO.	REV.

DRN <i>D. J. Jones</i>	DATE 12-2-69	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHK'D <i>D. J. Jones</i>	DATE 12-2-69	
ENG <i>D. J. Jones</i>	DATE 12-5-69	TITLE PROGRAM CONTR. 2
PROV'G <i>D. J. Jones</i>	DATE 12-7-69	
PROB <i>D. J. Jones</i>	DATE 12-11-69	
FIRST USED ON		
RF 15	SIZE CODE D BS RF15-06	ABER 
SCALE		REV. 00
SHEET 1 OF 1	DIST.	

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NOTE: THIS DIAGRAM SHOWS CONCEPT ONLY.  
 REFFR TO ACTUAL M104 CIRCUIT SCHEMATIC FOR DETAILS.  
 THIS DIAGRAM DOES NOT REFLECT ANY  
 FUTURE M104 CHANGES.

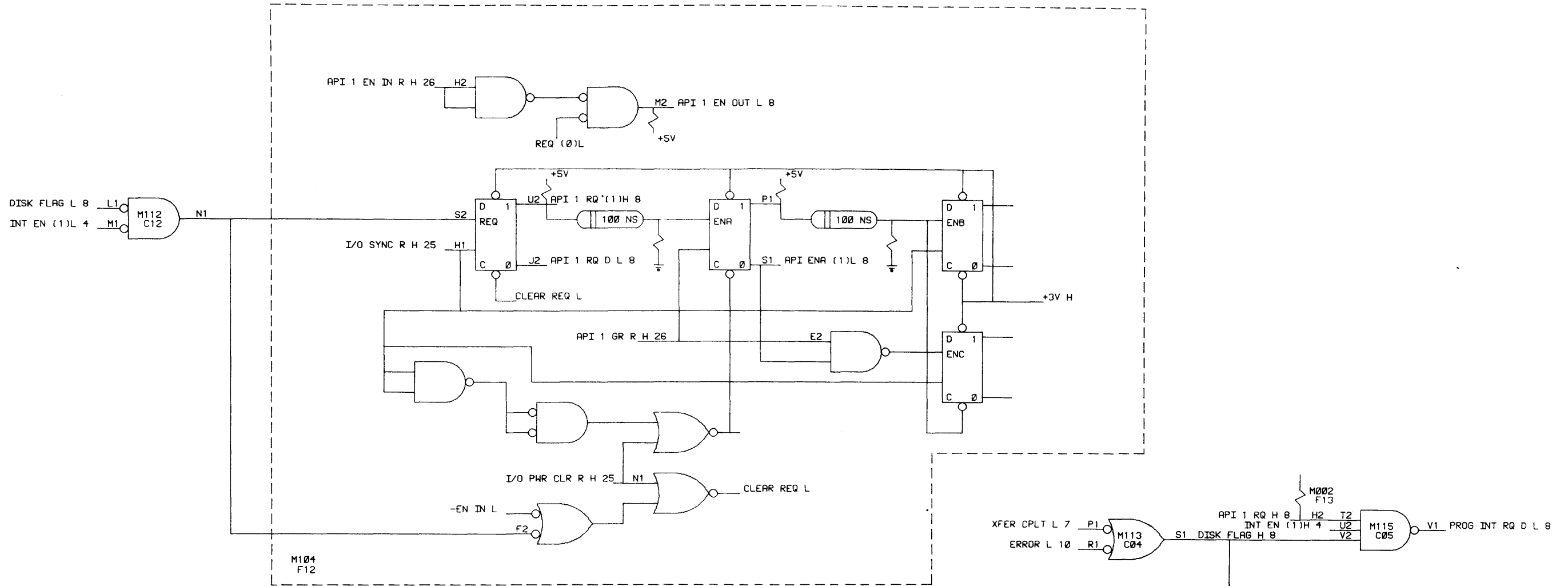


REVISIONS		
CHK	CHANGE NO.	REV.
GH	RF15-00009	A
	K WALSH 9/4/70	
	D VONADA 9/8/70	
	RF15-00010	B
	K WALSH 9/4/70	
	D VONADA 9/8/70	
	RF15-00011	C
	<i>B. Hand 10-1-70</i>	

DRN J FASSHAUER	DATE 11-29-69	<b>digital</b> CORPORATION MAYNARD, MASSACHUSETTS
CHK'D N RHEULT	DATE 11-29-69	
ENG EDWARD KING	DATE 12-1-69	TITLE DCH CONTROL
PROJ. ENG. D G VONADA	DATE 12-1-69	
PROD. E TOMPKINS	DATE 12-2-69	
FIRST USED ON		
RF15	SIZE CODE D BS	NUMBER RF15-0-07
SCALE	SHEET 1 OF 1	REV. C



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NOTE: THIS DIAGRAM SHOWS CONCEPT ONLY.  
REFER TO ACTUAL M104 CIRCUIT SCHEMATIC FOR DETAIL.  
THIS DIAGRAM DOES NOT REFLECT  
ANY FUTURE M104 CHANGES.

REVISIONS		
CHK	CHANGE NO.	REV.
GJH	RF15-00009	A
	K WALSH 9/4/70	
	D VONADA 9/8/70	
	RF15-00011	B
	10-2-72	

DRN	J FASSHAUER	DATE	11-29-69	<b>digital</b> EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
CHKD	N RHEULT	DATE	11-29-69				
DES	EDWARD KING	DATE	12-1-69	TITLE API CONTROL			
PROG	D G VONADA	DATE	12-1-69				
	E YDMPKINS	DATE	12-2-69				
FIRST USED ON	RF15	SIZE	D BS	NUMBER	RF15-0-08	REV.	B
SHEET	1	OF	1	DIST.			

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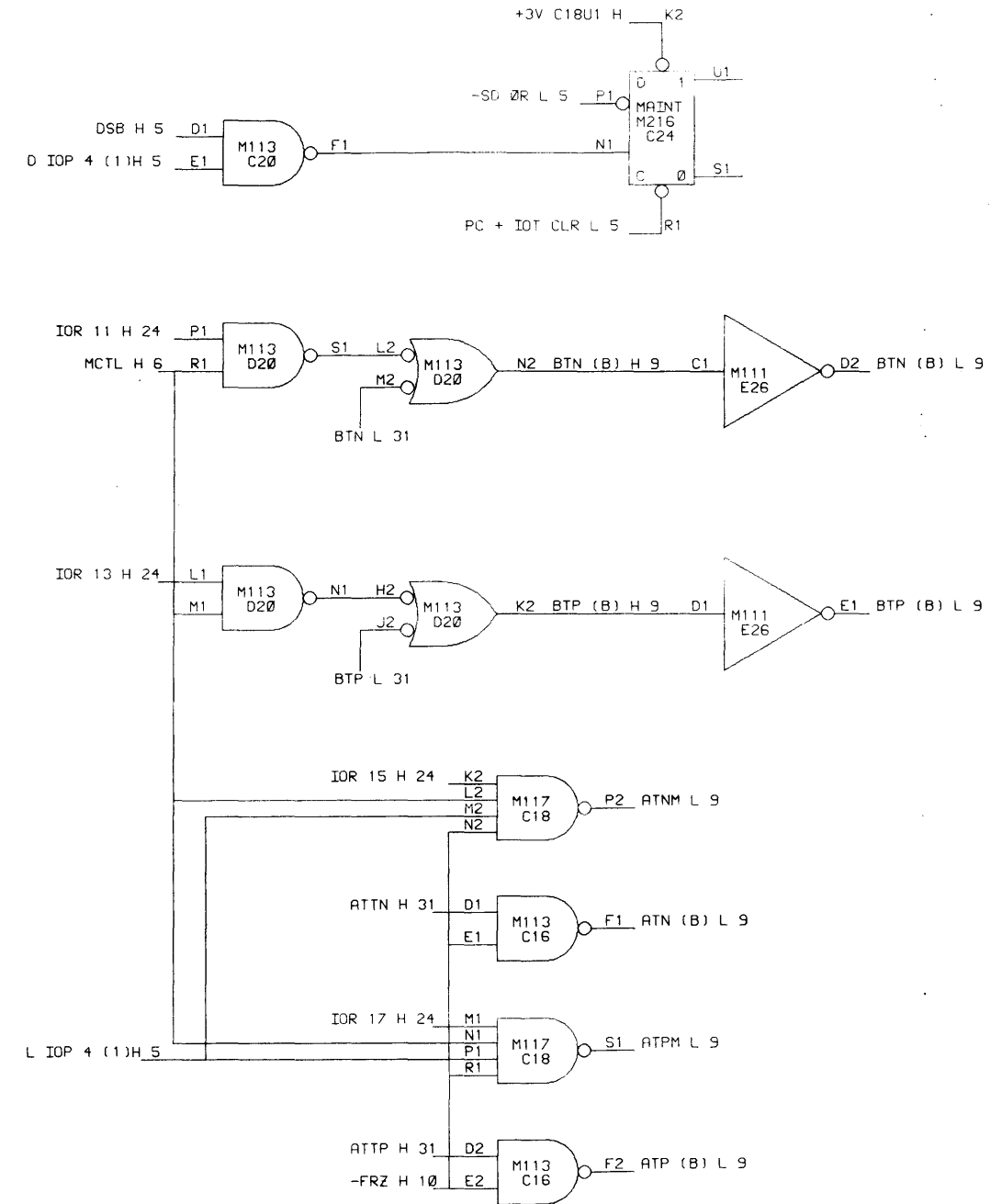
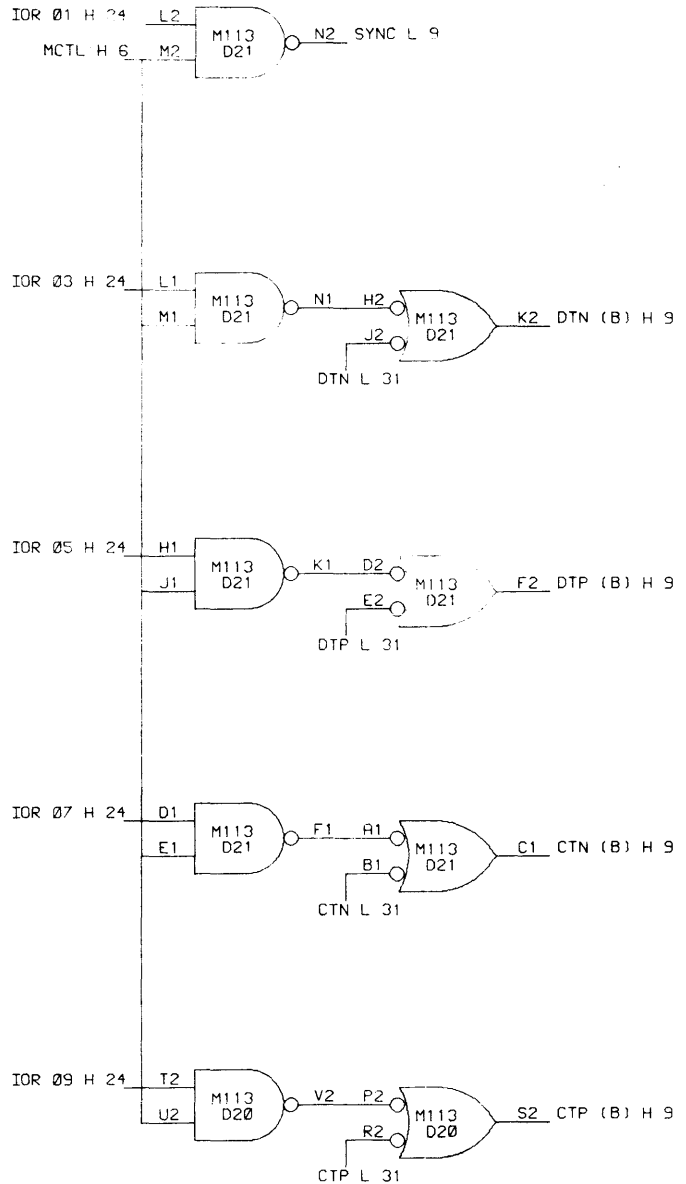
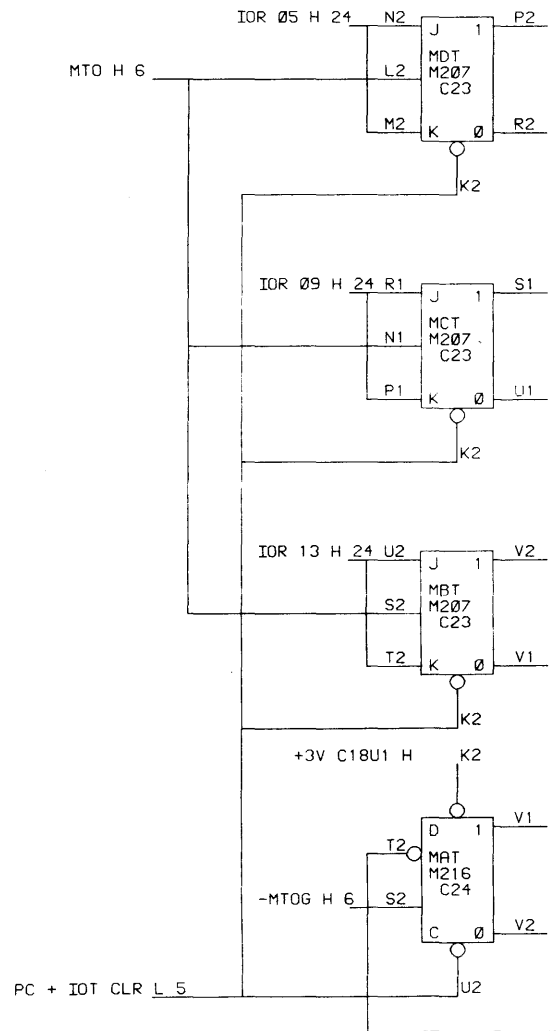
5

D

C

B

A



REVISIONS		
CHK	CHANGE NO.	REV.
AW	RF15-00010	A
	2/28/69	
	2/28/69	

DRN	J FASSHAUR	DATE	11/29/69	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHKD	N RHEAULT	DATE	11/29/69	
ENG	E KING	DATE	12/1/69	TITLE
PROV. ENG	D YONADA	DATE	12/1/69	MAINTANCE TT
PROD	C POMPKINS	DATE	12/1/69	
FIRST USED ON	RF 15	SIZE	CODE	NUMBER
SCALE	D BS	RF15-0-09		REV.
SHEET	1	OF	1	DIST.

8

7

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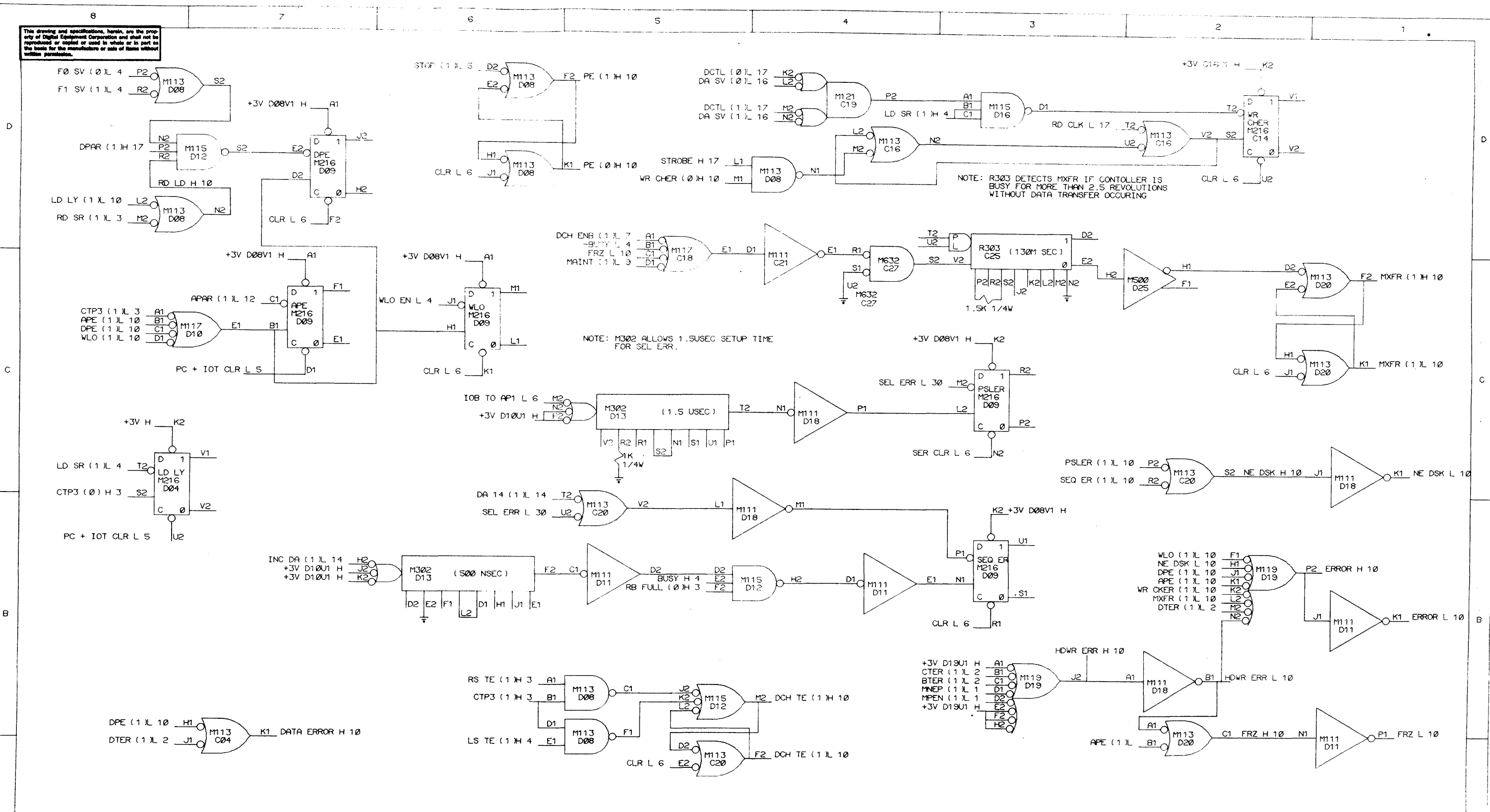
D

C

B

A

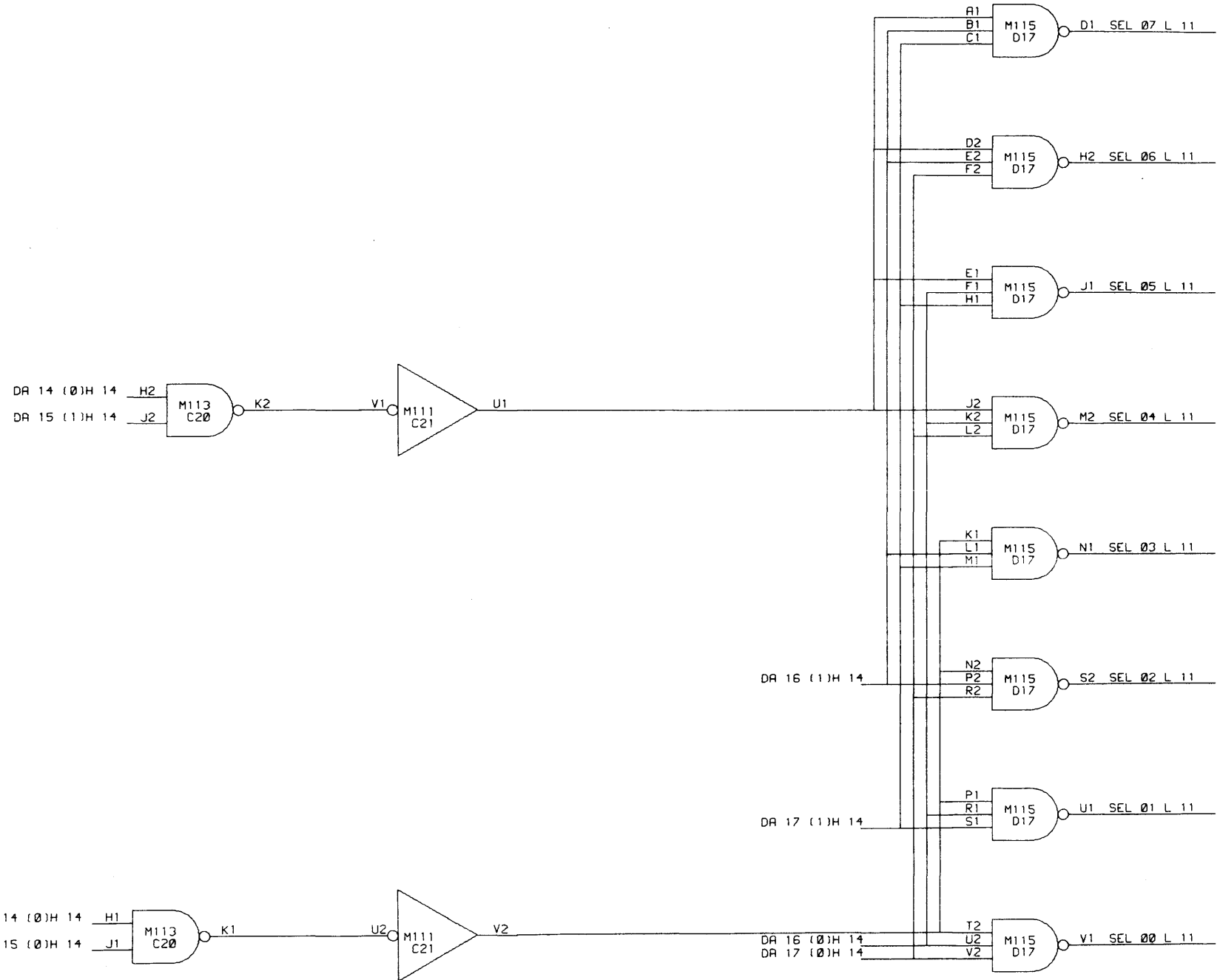
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REVISIONS		
CHK	CHANGE NO.	REV.
AC	RF15-00001	A
R	SOFKA 5/27/70	
D	VONADA 6/9/70	
GH	RF15-00006	B
K	COTE 7/8/70	
D	VONADA 7/10/70	
GJH	RF15-00010	C
N	LEGERE 9/24/70	
D	G VONADA 9/25/70	
RF	RF15-00016	D

DRN. J FASSHAUER	DATE 11/29/69	<b>digital</b> CORPORATION MAYNARD, MASSACHUSETTS
CHK'D. N RHEAULT	DATE 11/29/69	
ENG. C KING	DATE 12/1/69	TITLE STATUS REGISTER
PROJ. ENG. D VONADA	DATE 12/1/69	
PROD. C TOMPKINS	DATE 12/1/69	
FIRST USED ON RF15	SCALE D BS	NUMBER RF15-0-10
SHEET 1 OF 1	DIST.	REV. D

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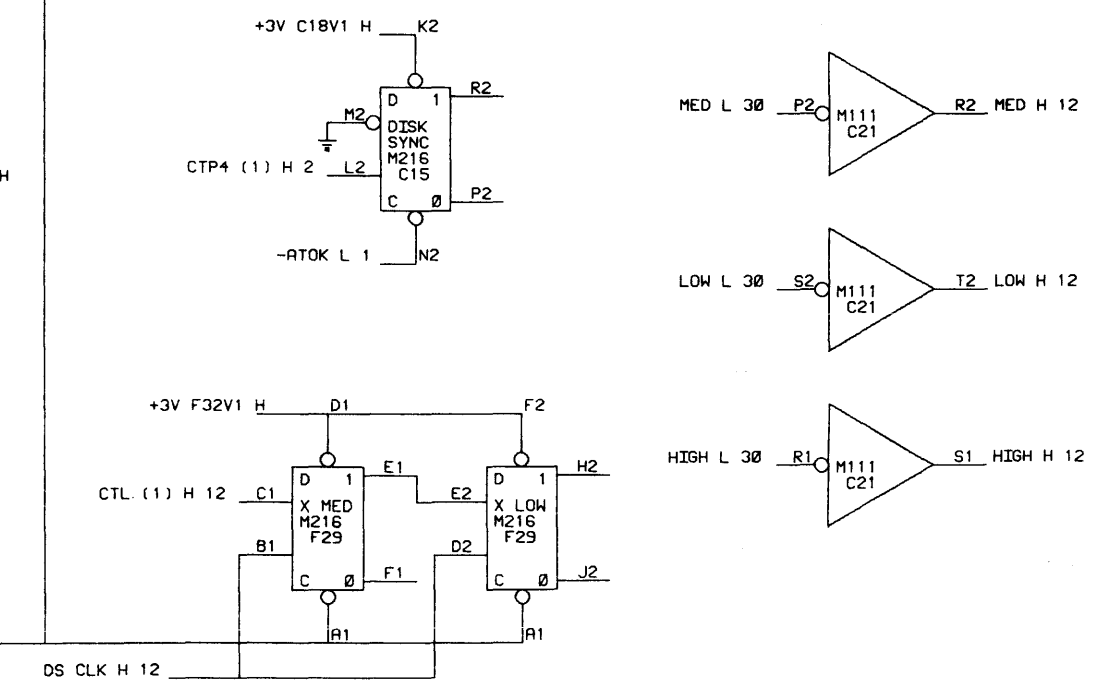
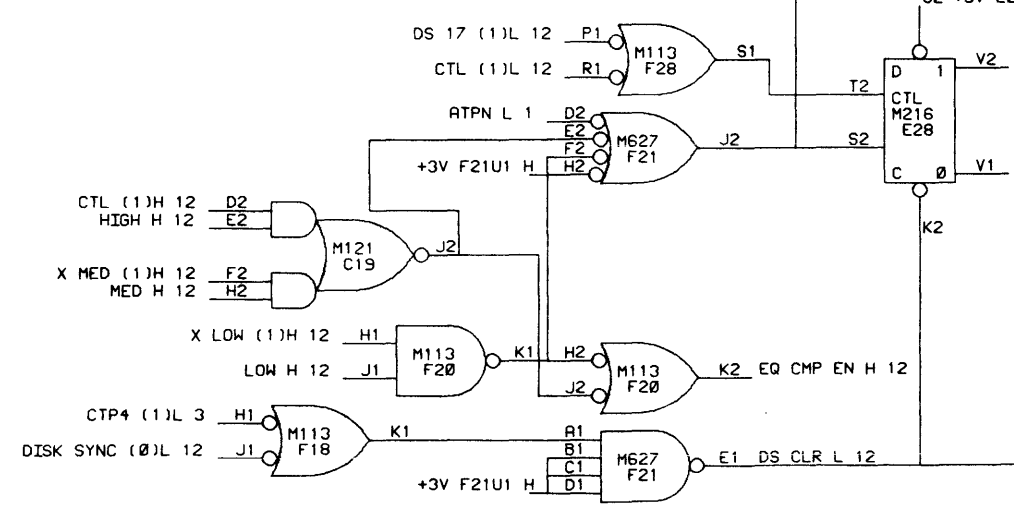
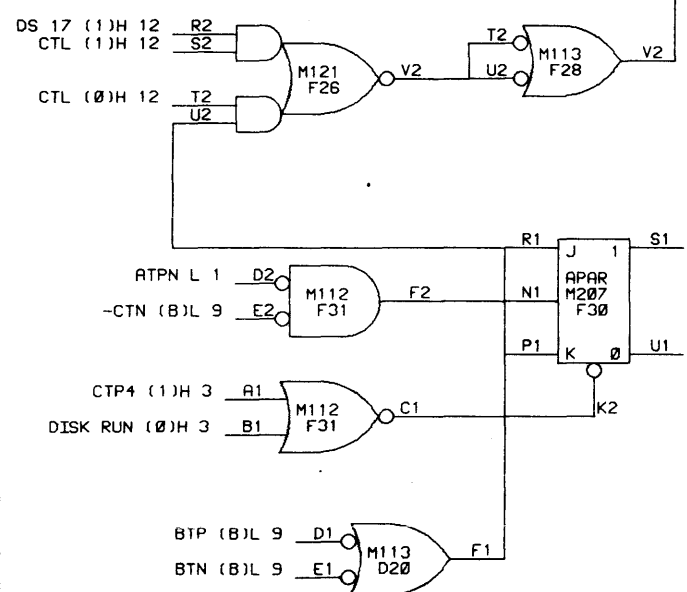
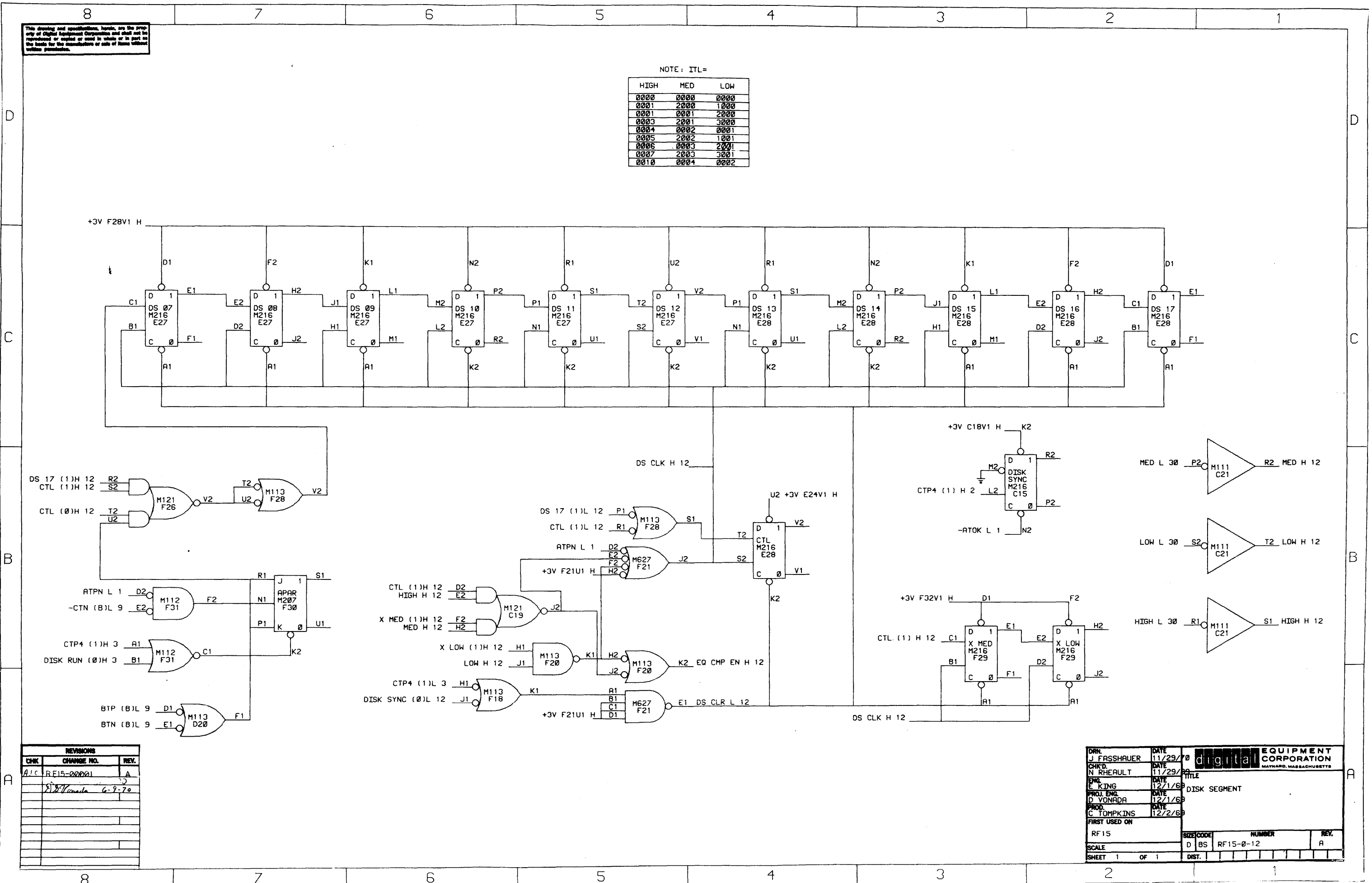
REVISIONS		
CHK	CHANGE NO.	REV.

DRN <i>[Signature]</i>	DATE 10-2-69	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS
CHKD. <i>[Signature]</i>	DATE 10-16-69	
ENG. <i>[Signature]</i>	DATE 10-8-69	TITLE DISK SELECTION
PROJ. ENG. <i>[Signature]</i>	DATE 10-7-69	
PROD. <i>[Signature]</i>	DATE 10-14-69	
FIRST USED ON		
RF 15	SIZE CODE D BS	NUMBER RF 15-0-11
SCALE		REV. 00
SHEET 1 OF 1	DIST.	

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NOTE: ITL=

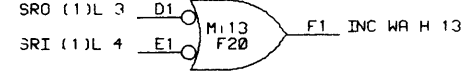
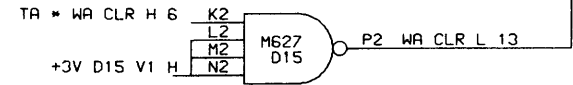
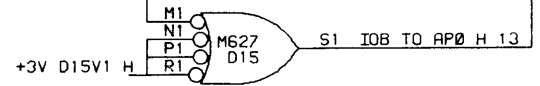
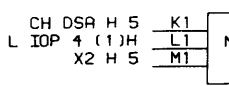
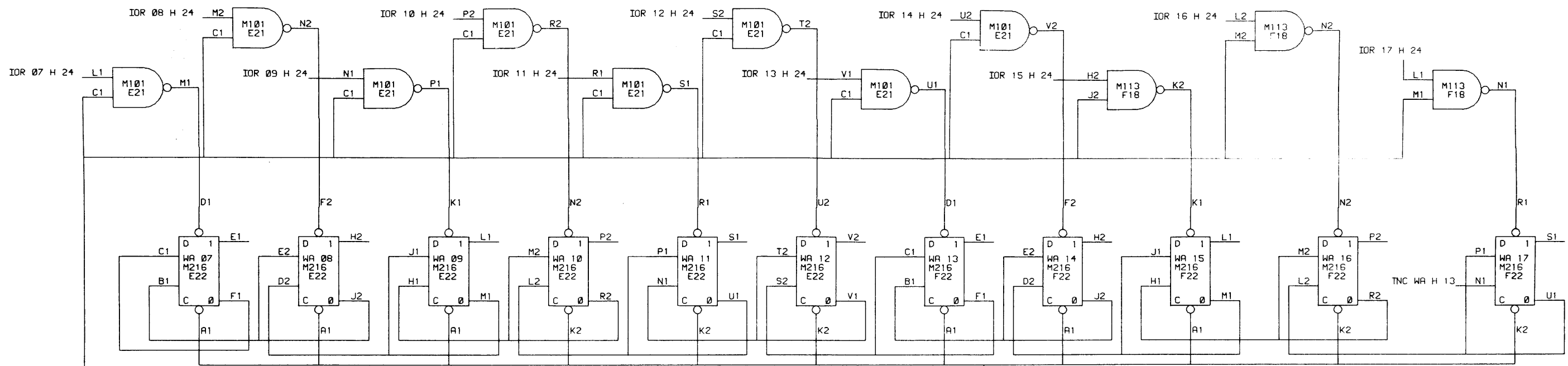
HIGH	MED	LOW
0000	0000	0000
0001	2000	1000
0001	0001	2000
0003	2001	3000
0004	0002	0001
0005	2002	1001
0006	0003	2001
0007	2003	3001
0010	0004	0002



REVISIONS		
CHK	CHANGE NO.	REV.
AIC	RF15-00001	A

DRN. J FASSHAUER	DATE 11/29/69	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHK'D. N RHEULT	DATE 11/29/69	
ENG. E KING	DATE 12/1/69	TITLE
PROJ. ENG. D VONADA	DATE 12/1/69	DISK SEGMENT
PROD. C TOMPKINS	DATE 12/2/69	
FIRST USED ON		
RF 15	SIZE CODE D BS	NUMBER RF15-0-12
SCALE	OF 1	REV. A
SHEET 1	DIST.	

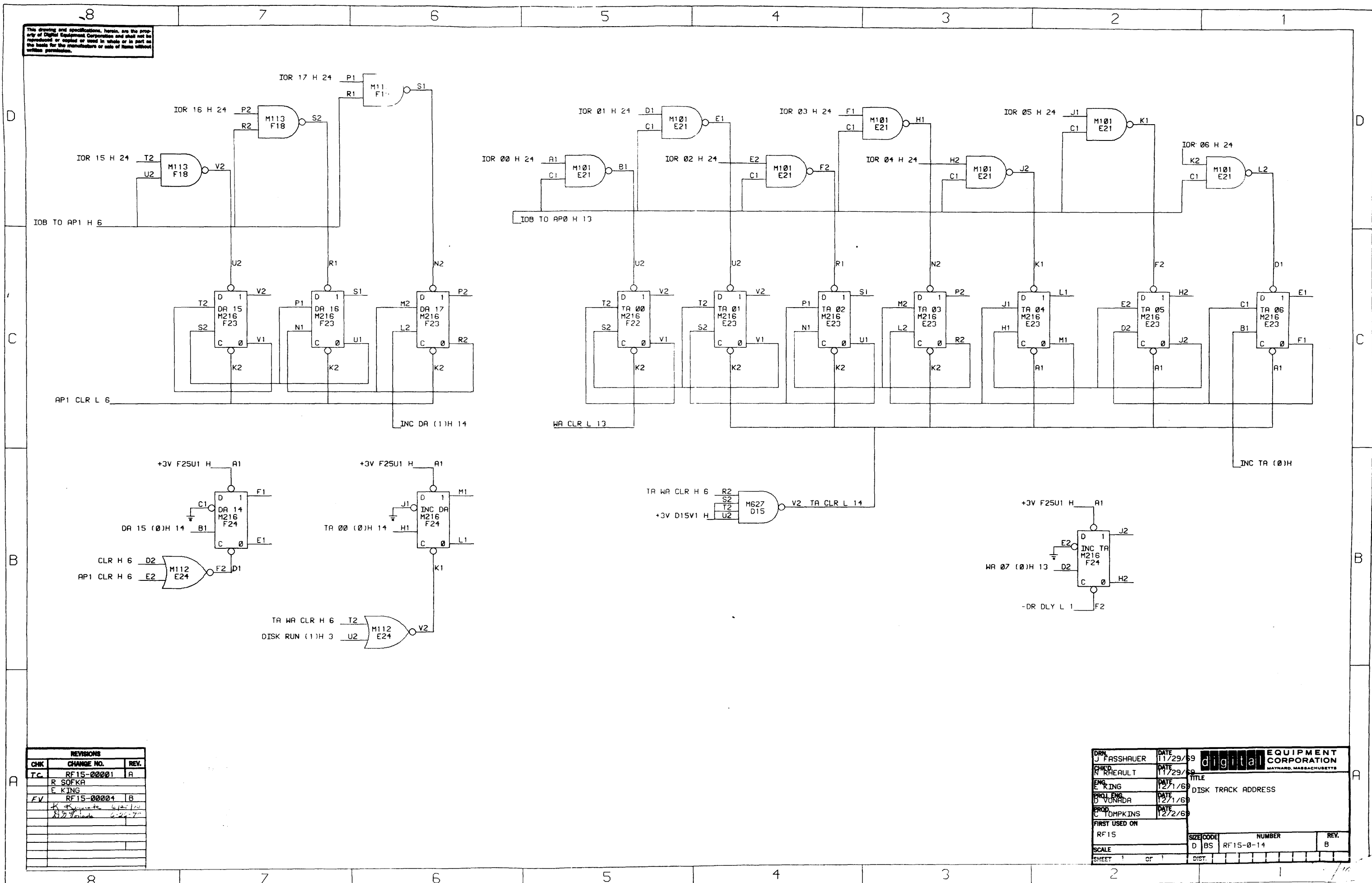
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REVISIONS		
CHK	CHANGE NO.	REV.

DRN <i>J. Sullivan</i>	DATE 10-2-68	<b>digital</b> EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHK'D <i>C. J. ...</i>	DATE 10-2-68	
ENG. <i>C. J. ...</i>	DATE 10-5-68	TITLE WORD ADDRESS
PRJ. ENG. <i>D. J. ...</i>	DATE 10-5-68	
PROD. <i>C. J. ...</i>	DATE 10-14-68	
FIRST USED ON		
RF 15	SIZE CODE D BS	NUMBER RF15-0-13
SCALE		REV. 00
SHEET 1 OF 1	DIST.	

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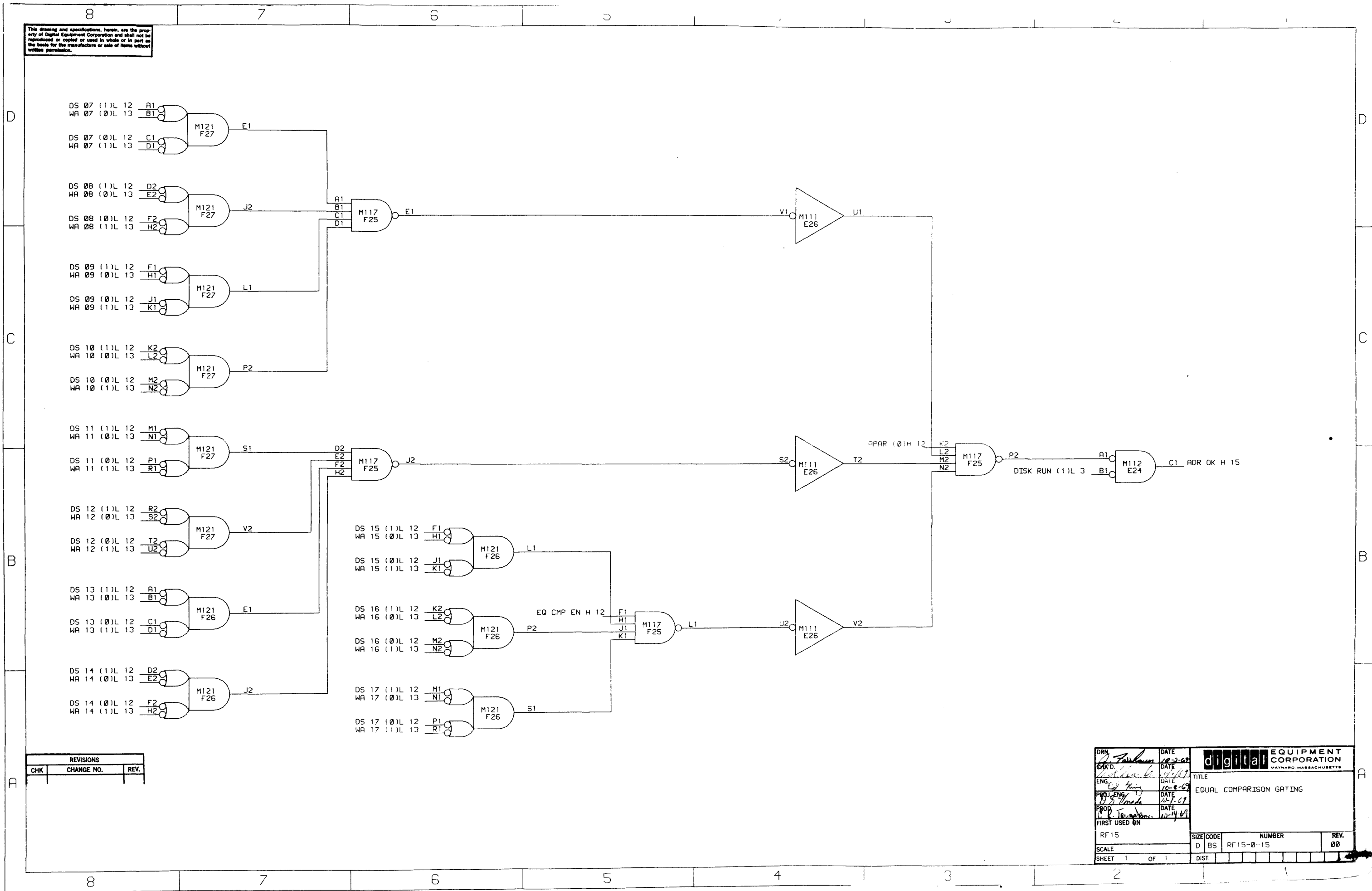


REVISIONS		
CHK	CHANGE NO.	REV.
TC	RF15-00001	A
	R SOFKA	
	E KING	
FV	RF15-00004	B
	K <i>Handwritten</i>	
	<i>Handwritten</i>	

DRN	J FASSHAUER	DATE	11/29/69	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHKD	N RHERULT	DATE	11/29/69	
ENG	R KING	DATE	12/1/69	TITLE
PROJ ENG	VONNADA	DATE	12/1/69	DISK TRACK ADDRESS
PROD	C TOMPKINS	DATE	12/2/69	
FIRST USED ON				
RF15		SIZE CODE	D BS	NUMBER
SCALE		RF15-0-14		REV.
SHEET 1 OF 1		DIST.		B



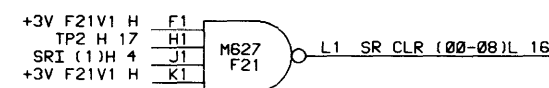
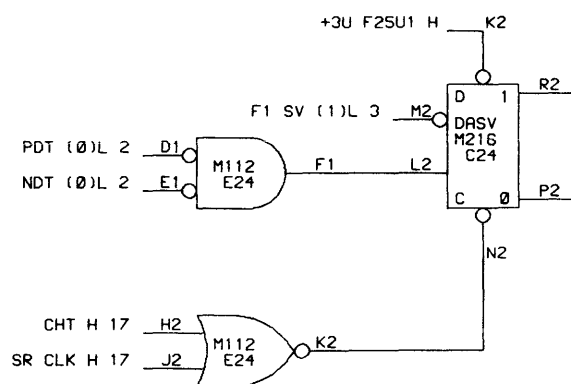
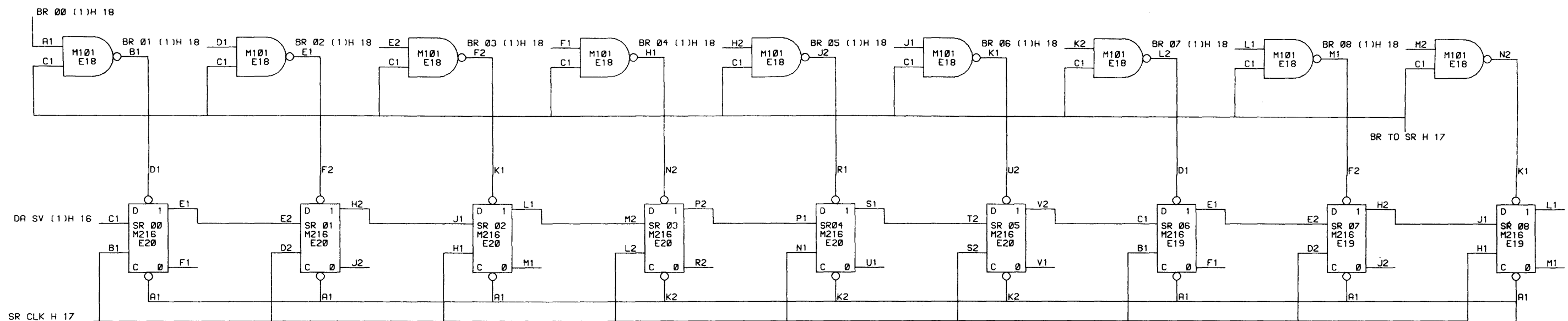
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REVISIONS		
CHK	CHANGE NO.	REV.

DRN <i>A. Fairman</i>	DATE 10-2-69	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHK'D <i>W. J. ...</i>	DATE 10-2-69	
ENG <i>W. J. ...</i>	DATE 10-8-69	TITLE EQUAL COMPARISON GATING
PROJ. ENG. <i>D. S. ...</i>	DATE 10-8-69	
PROD. <i>C. P. ...</i>	DATE 10-14-69	
FIRST USED ON		
RF 15	SIZE CODE D BS	NUMBER RF15-0-15
SCALE		REV. 00
SHEET 1 OF 1	DIST.	

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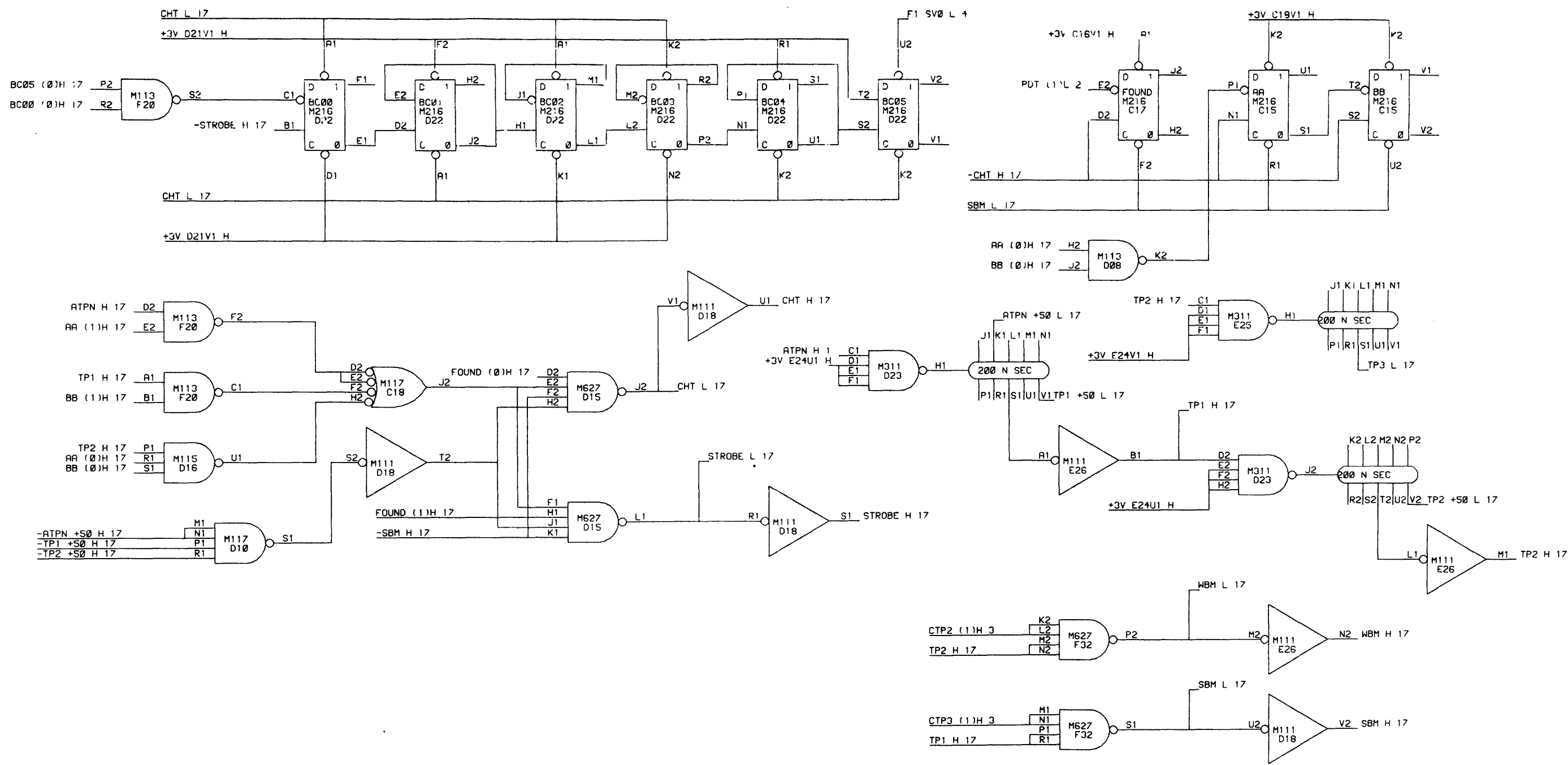


REVISIONS		
CHK	CHANGE NO.	REV.
	RF15-00001	A
	<i>R. J. ...</i>	<i>11/29/70</i>
	<i>D. J. ...</i>	<i>6-9-70</i>

DRN J FASSHAUER	DATE 11/29/69	 <b>digital EQUIPMENT CORPORATION</b> <small>MAYNARD, MASSACHUSETTS</small>
CHKD R RHEAULT	DATE 11/29/69	
ENGR C KING	DATE 12/1/69	TITLE SHIFT REGISTER 1
PROJ ENGR D VONADA	DATE 12/1/69	
PROD C TUMPKINS	DATE 12/14/69	
FIRST USED ON RF15		
SCALE SHEET 1 OF 1	SIZE CODE D BS	NUMBER RF15-0-16
	DIST.	REV. A



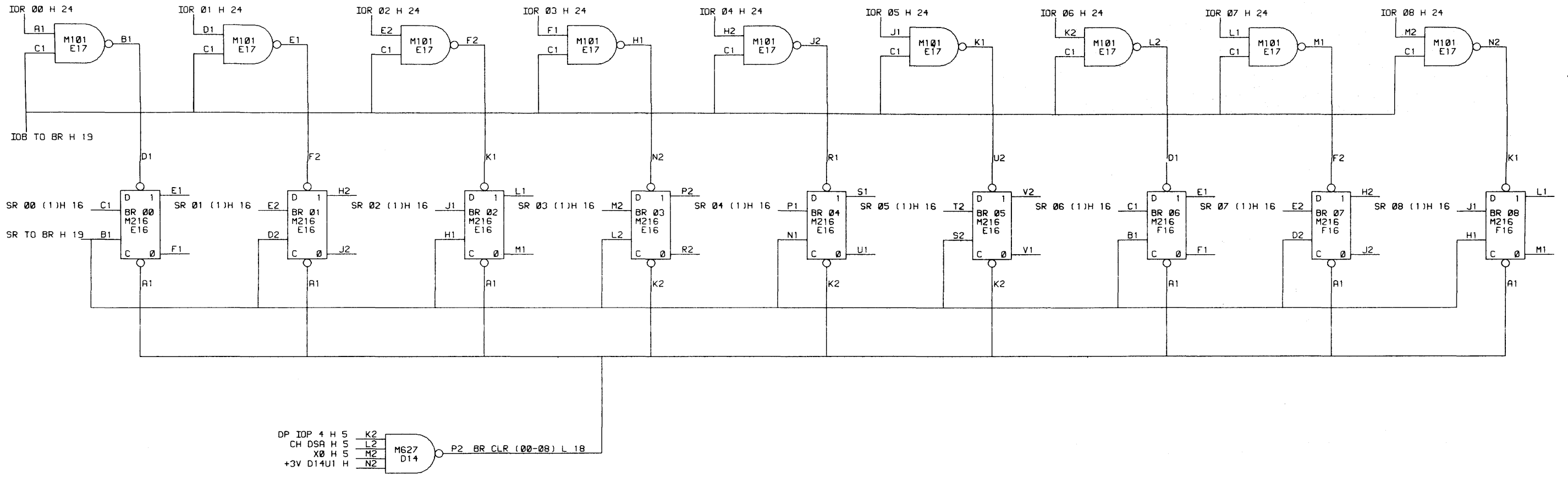
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REVISIONS		
CHK	CHANGE NO.	REV.
	RF15-00001	A

DRN J. FASSHAUER	DATE 11/29/69	 <b>digital EQUIPMENT CORPORATION</b> MAYNARD, MASSACHUSETTS
CHKD R. PERAULT	DATE 11/29/69	
ENGR C. KING	DATE 12/1/68	
DRN J. VONHARD	DATE 12/1/68	
CHKD J. POMPKINS	DATE 12/2/68	
TITLE SHIFT REGISTER 2		
FIRST USED ON RF15	SCALE SHEET 2 OF 2	SIZE CODE D BS
NUMBER RF15-0-17		REV. A

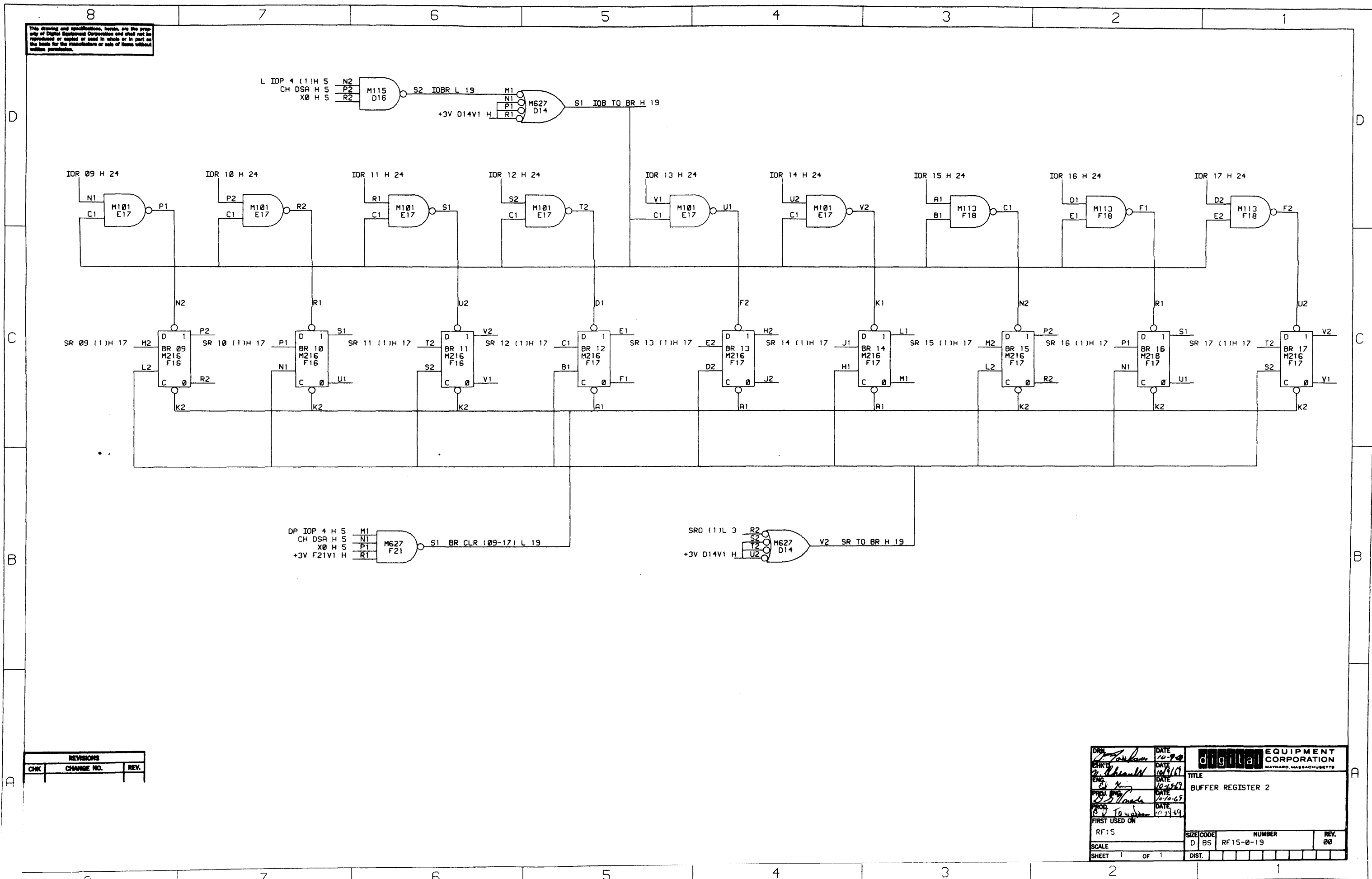
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REVISIONS		
CHK	CHANGE NO.	REV.

DRN <i>T. Johnson</i>	DATE 10-2-69	 digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE BUFFER REGISTER 1						
CHK'D <i>M. Johnson</i>	DATE 10/6/69		<table border="1"> <tr> <td>SIZE CODE</td> <td>NUMBER</td> <td>REV.</td> </tr> <tr> <td>D BS</td> <td>RF15-0-18</td> <td>00</td> </tr> </table>	SIZE CODE	NUMBER	REV.	D BS	RF15-0-18	00
SIZE CODE	NUMBER			REV.					
D BS	RF15-0-18			00					
ENG. <i>Bob King</i>	DATE 10-8-69								
PROJ. ENG. <i>D. Stone</i>	DATE 10-8-69								
BRD. <i>C. Johnson</i>	DATE 10-14-69	FIRST USED ON							
K# 15		SCALE							
SHEET 1 OF 1		DIST.							

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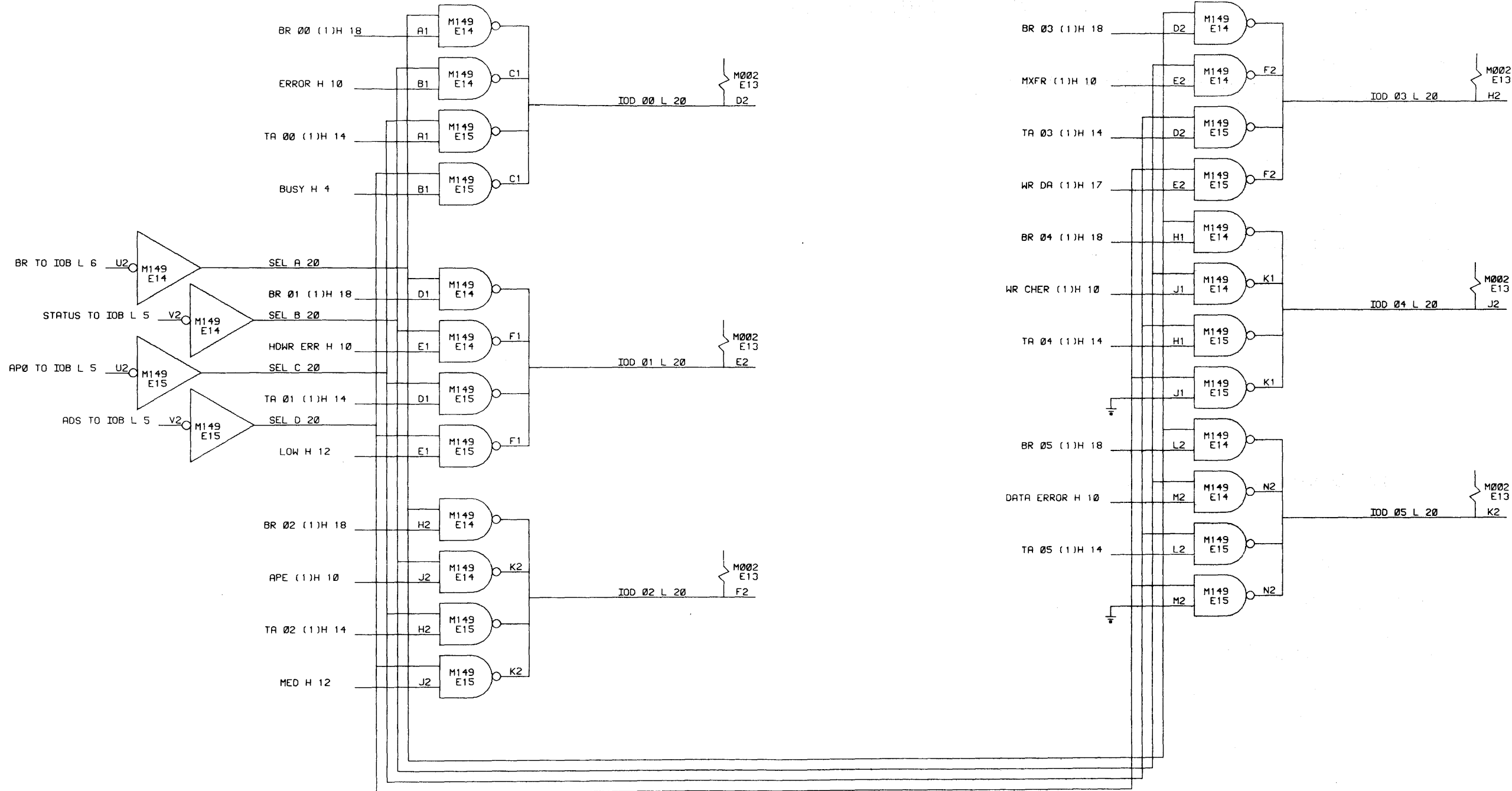


REVISIONS		
CHK	CHANGE NO.	REV.

DRN <i>[Signature]</i>	DATE 10-9-69	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHKD <i>[Signature]</i>	DATE 10/9/69	
ENG <i>[Signature]</i>	DATE 10-10-69	TITLE BUFFER REGISTER 2
PROD <i>[Signature]</i>	DATE 10-14-69	SIZE CODE D BS
FIRST USED ON RF15		NUMBER RF15-0-19
SCALE		REV. 00
SHEET 1 OF 1	DIST.	

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8 7 6 5 4 3 2 1



C

B

A

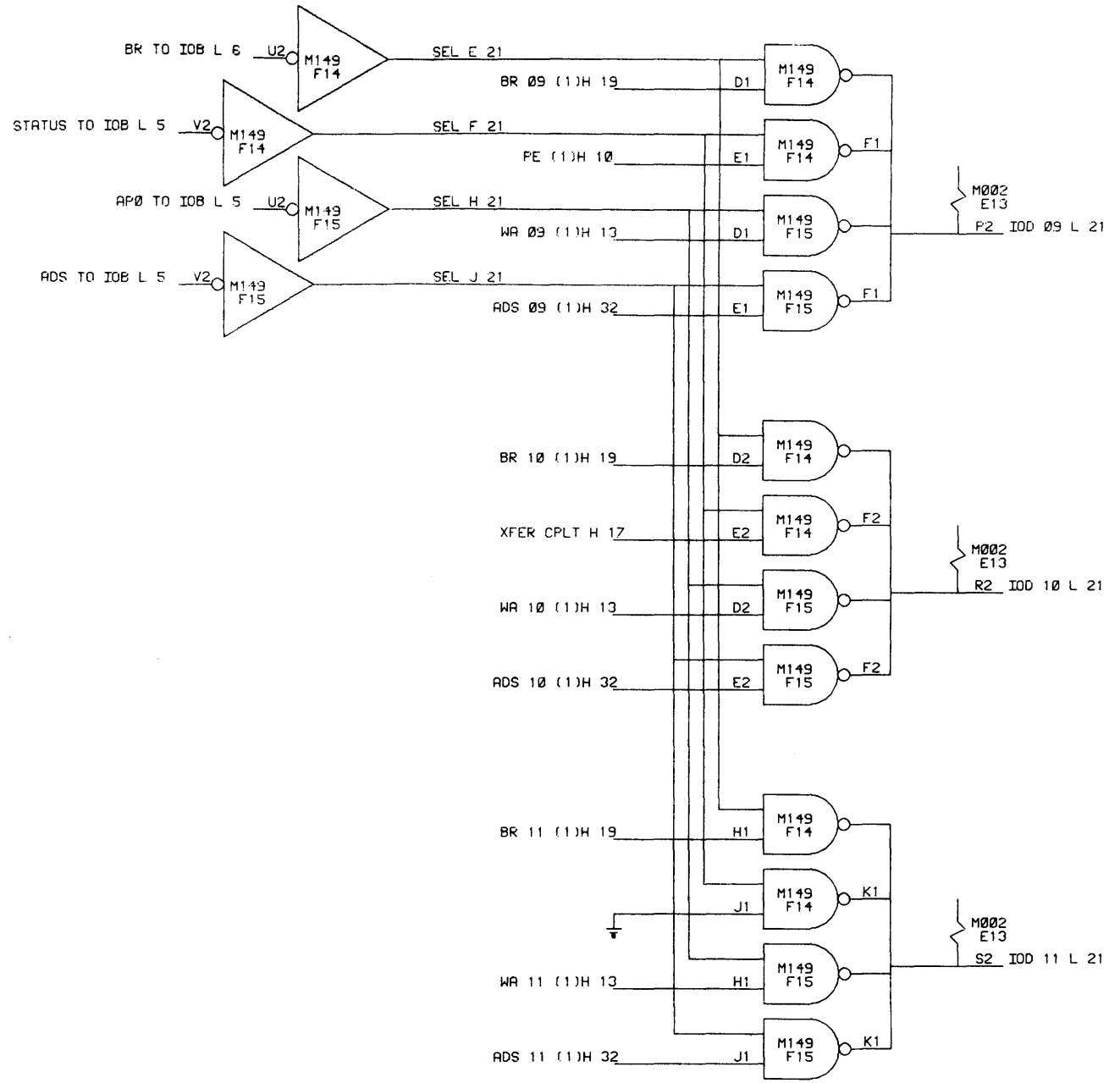
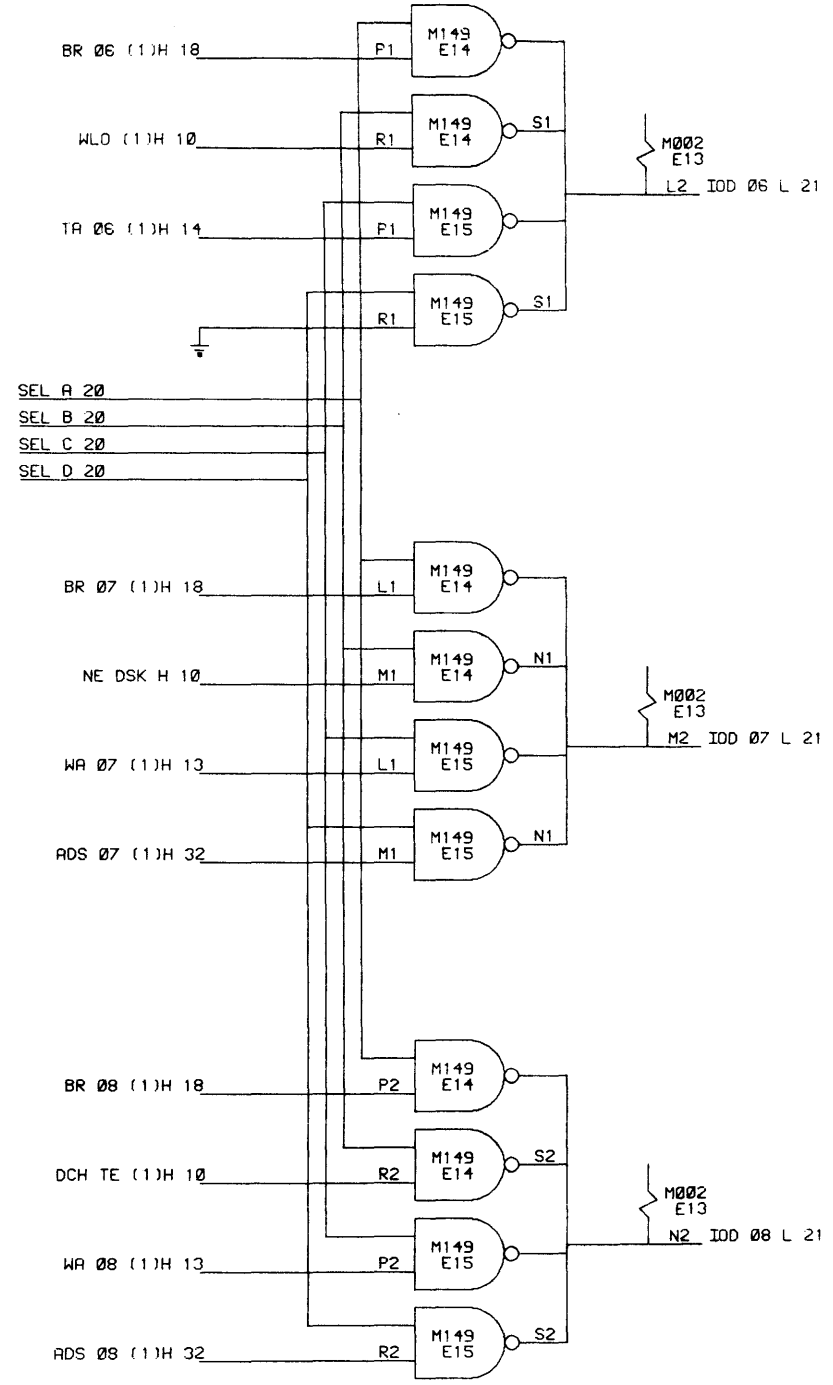
REVISIONS		
CHK	CHANGE NO.	REV.
A	RF15-00021	A

DRN	J FRASSHAUER	DATE	11/29/69	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHKD	N RHEULT	DATE	11/29/69	
ENG	L KING	DATE	12/1/69	TITLE
PROJ ENG	D YONADA	DATE	12/1/69	IOB SEL 1
PROD	C YOMPKINS	DATE	12/2/69	
FIRST USED ON	RF15	SIZE CODE	D BS	NUMBER
				RF15-0-20
SCALE	1 OF 1	DIST.		REV.
				A

8 7 6 5 4 3 2 1



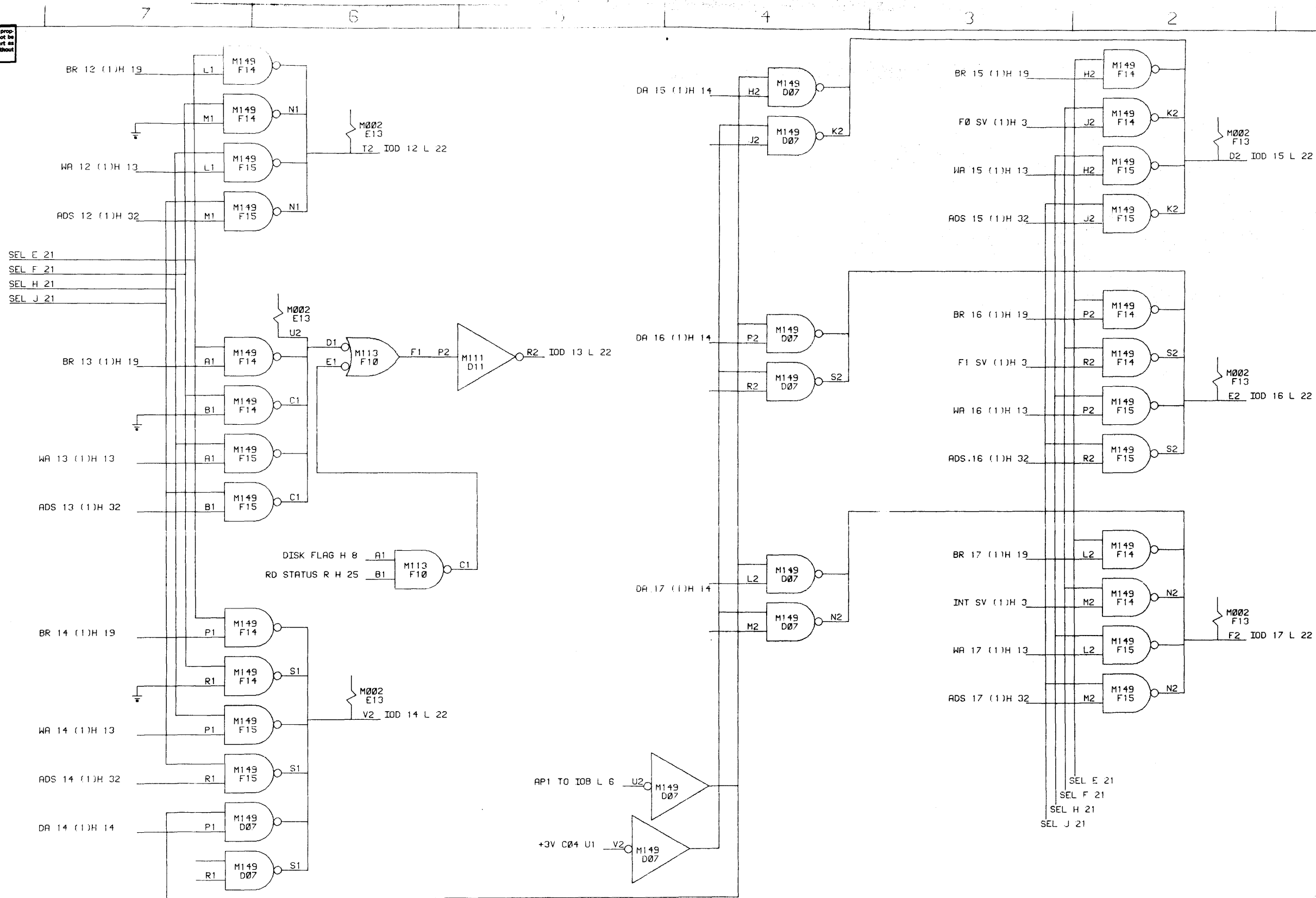
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REVISIONS		
CHK	CHANGE NO.	REV.

DRN <i>J. P. ...</i>	DATE 11/16/67	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHK'D <i>W. ...</i>	DATE 11/27/67	
ENG <i>J. ...</i>	DATE 12-1-67	TITLE IOB SEL 2
PROB'G <i>D. ...</i>	DATE 12-7-67	
PROD <i>L. ...</i>	DATE 12-2-67	
FIRST USED ON RF15		
SCALE	SIZE CODE D BS	NUMBER RF15-0-21
SHEET 1 OF 1	DNST	REV. 00

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REVISIONS		
CHK	CHANGE NO.	REV.

DRN <i>[Signature]</i>	DATE <i>[Date]</i>	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHK'D <i>[Signature]</i>	DATE <i>[Date]</i>	
ENG <i>[Signature]</i>	DATE <i>[Date]</i>	TITLE IOB SEL3
PROJ ENG <i>[Signature]</i>	DATE <i>[Date]</i>	
PROD <i>[Signature]</i>	DATE <i>[Date]</i>	
FIRST USED ON RF15		
SCALE		
SHEET	OF	

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G775  
C01 -IND P1

A1	ERROR H 10
B1	HWWR ERR H 10
C1	APE (1)H 10
D1	MXFR (1)H 10
E1	WR CHER (1)H 10
F1	DATA ERROR H 10
H1	WLO (1)H 10
J1	NE DSK H 10
K1	DCH TE (1)H 10
L1	FE (1)H 10
M1	XFER CPLT H 7
N1	
P1	F0 SV (1)H 3
R1	F1 SV (1)H 3
S1	INT SV (1)H 3
T1	DA 15 (1)H 14
U1	DA 16 (1)H 14
V1	DA 17 (1)H 14

G775  
D01 -IND P2

A1	DA 14 (1)H 14
B1	
C1	SEQ ER (1)H 10
D1	
E1	FSLER (1)H 10
F1	
H1	WRITE H 4
J1	
K1	DISK RUN (1)H 3
L1	
M1	
N1	
P1	
R1	
S1	
T1	
U1	
V1	

G775  
E01 -IND P3

A1	TA 00 (1)H 14
B1	TA 01 (1)H 14
C1	TA 02 (1)H 14
D1	TA 03 (1)H 14
E1	TA 04 (1)H 14
F1	TA 05 (1)H 14
H1	TA 06 (1)H 14
J1	WA 07 (1)H 13
K1	WA 09 (1)H 13
L1	WA 09 (1)H 13
M1	WA 10 (1)H 13
N1	WA 11 (1)H 13
P1	WA 12 (1)H 13
R1	WA 13 (1)H 13
S1	WA 14 (1)H 13
T1	WA 15 (1)H 13
U1	WA 16 (1)H 13
V1	WA 17 (1)H 13

G775  
F01 -IND P4

A1	SR 00 (1)H 16
B1	SR 01 (1)H 16
C1	SR 02 (1)H 16
D1	SR 03 (1)H 16
E1	SR 04 (1)H 16
F1	SR 05 (1)H 16
H1	SR 06 (1)H 16
J1	SR 07 (1)H 16
K1	SR 08 (1)H 16
L1	SR 09 (1)H 17
M1	SR 10 (1)H 17
N1	SR 11 (1)H 17
P1	SR 12 (1)H 17
R1	SR 13 (1)H 17
S1	SR 14 (1)H 17
T1	SR 15 (1)H 17
U1	SR 16 (1)H 17
V1	SR 17 (1)H 17

G775  
C01 -IND P1

A2	DISK FLAG H 8
B2	
C2	DATA FLAG (1)H 7
D2	
E2	OFLO (1)H 7
F2	
H2	APAR (1)H 12
J2	
K2	DPAR (1)H 17
L2	
M2	
N2	
P2	
R2	
S2	
T2	
U2	
V2	

G775  
D01 -IND P2

A2	MNEP (1)H 1
B2	MPEN (1)H 1
C2	BTER (1)H 2
D2	CTER (1)H 2
E2	DTE (1)H 2
F2	
H2	
J2	
K2	MAINT (1)H 9
L2	
M2	
N2	
P2	
R2	
S2	
T2	
U2	
V2	

G775  
E01 -IND P3

A2	BUSY H 4
B2	LOW H 12
C2	MED H 12
D2	
E2	
F2	
H2	
J2	DS 07 (1)H 12
K2	DS 08 (1)H 12
L2	DS 09 (1)H 12
M2	DS 10 (1)H 12
N2	DS 11 (1)H 12
P2	DS 12 (1)H 12
R2	DS 13 (1)H 12
S2	DS 14 (1)H 12
T2	DS 15 (1)H 12
U2	DS 16 (1)H 12
V2	DS 17 (1)H 12

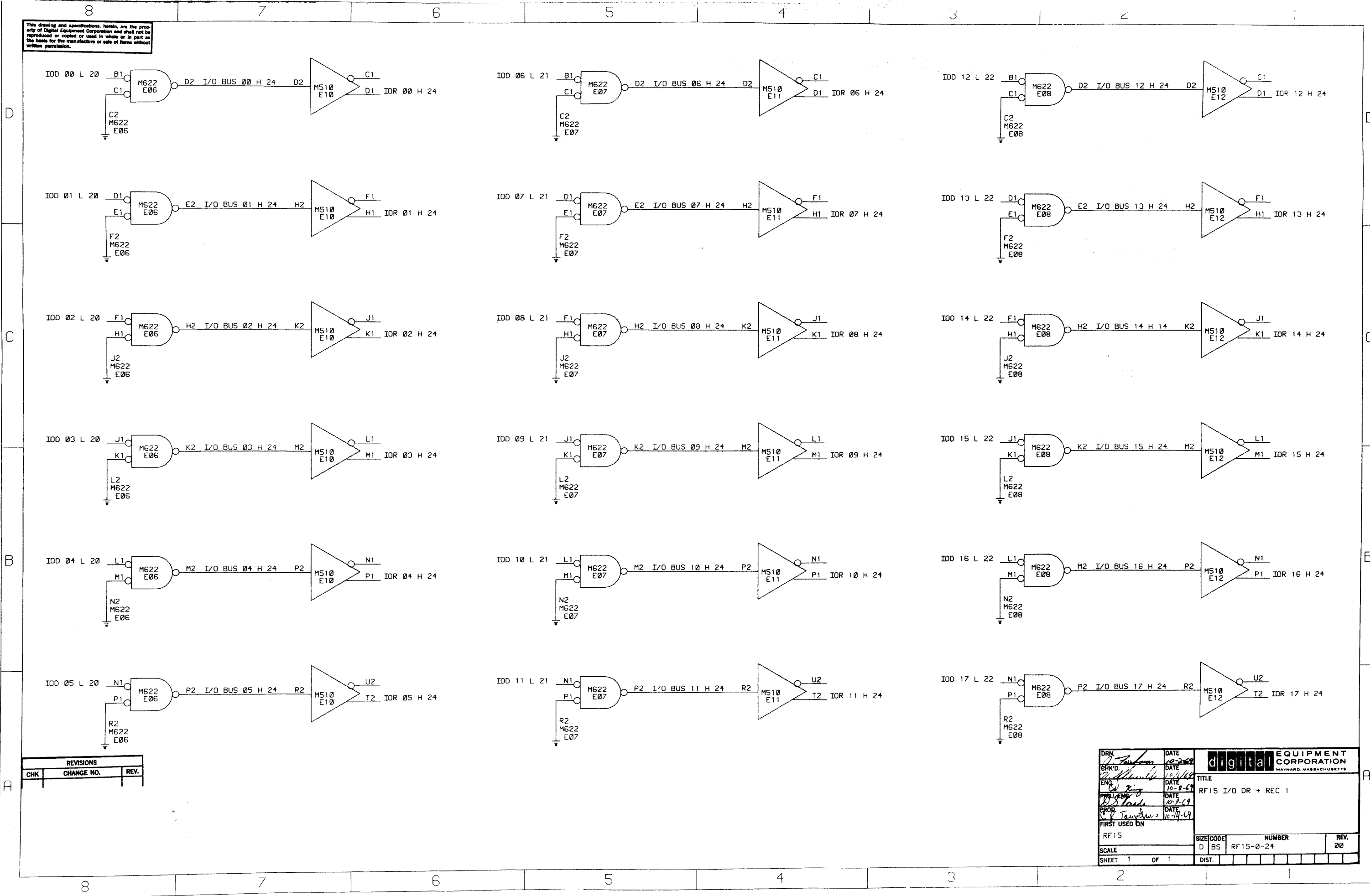
G775  
F01 -IND P4

A2	BR 00 (1)H 18
B2	BR 01 (1)H 18
C2	BR 02 (1)H 18
D2	BR 03 (1)H 18
E2	BR 04 (1)H 18
F2	BR 05 (1)H 18
H2	BR 06 (1)H 18
J2	BR 07 (1)H 18
K2	BR 08 (1)H 18
L2	BR 09 (1)H 19
M2	BR 10 (1)H 19
N2	BR 11 (1)H 19
P2	BR 12 (1)H 19
R2	BR 13 (1)H 19
S2	BR 14 (1)H 19
T2	BR 15 (1)H 19
U2	BR 16 (1)H 19
V2	BR 17 (1)H 19

REVISIONS		
CHK	CHANGE NO.	REV.

DRN	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHK'D.	DATE	
ENG.	DATE	TITLE
PROJ. ENG.	DATE	INDICATOR CABLES
PROOF	DATE	
FIRST USED ON	DATE	
RF 15		
SCALE	SIZE CODE	NUMBER
	D IC	RF 15-0-23
SHEET	OF	REV.
1	1	00

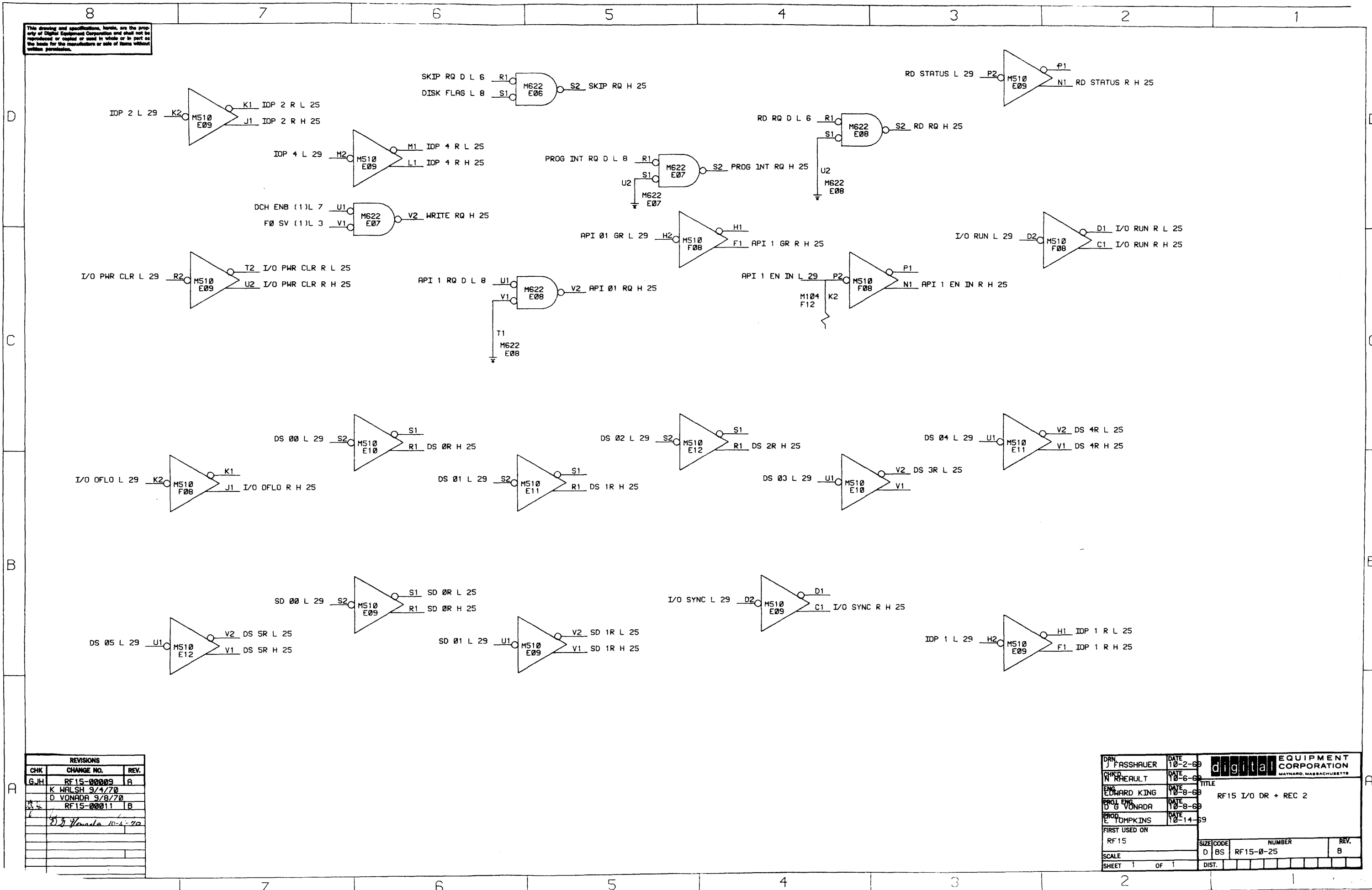
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REVISIONS		
CHK	CHANGE NO.	REV.

DRN <i>J. F. ...</i>	DATE 10-2-69	 MAYNARD, MASSACHUSETTS	TITLE RF15 I/O DR + REC 1	
CHK'D <i>R. ...</i>	DATE 10/1/69		SIZE CODE D BS	NUMBER RF15-0-24
ENG <i>R. ...</i>	DATE 10-9-69		SCALE	REV. 00
PROJ. ENG. <i>D. ...</i>	DATE 10-7-69		SHEET 1 OF 1	DIST.
PROP. <i>C. ...</i>	DATE 10-14-69		FIRST USED DN	

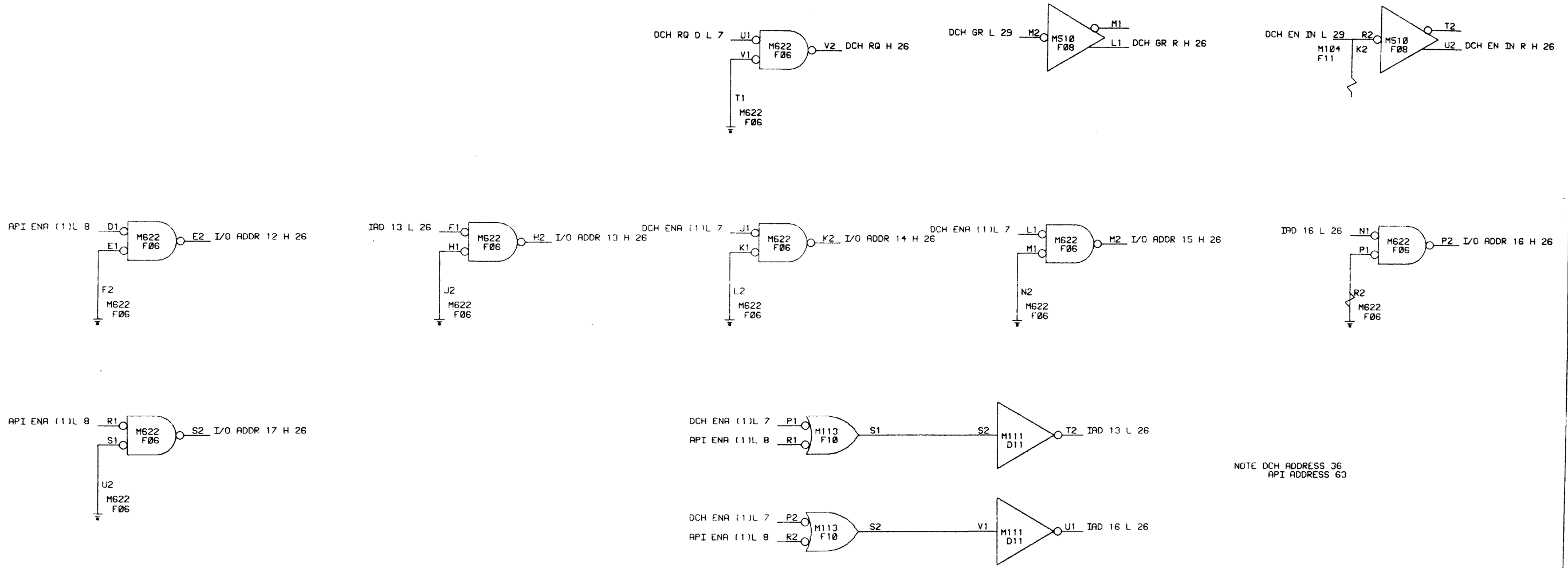
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REVISIONS		
CHK	CHANGE NO.	REV.
G.J.H.	RF 15-00009	A
	K WALSH 9/4/70	
	D VONADA 9/8/70	
	RF 15-00011	B
	<i>3/9 Vonada 10-1-70</i>	

DRN. J. FASSHAUER	DATE 10-2-69	<b>digital</b> EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHKD. R. RHEULT	DATE 10-6-69	
ENG. EDWARD KING	DATE 10-8-69	TITLE RF 15 I/O DR + REC 2
PROJ. ENG. D. G. VONADA	DATE 10-8-69	
PROJ. L. POMPKINS	DATE 10-14-69	
FIRST USED ON RF 15	SIZE CODE D BS	NUMBER RF 15-0-25
SCALE	SHEET 1 OF 1	REV. B

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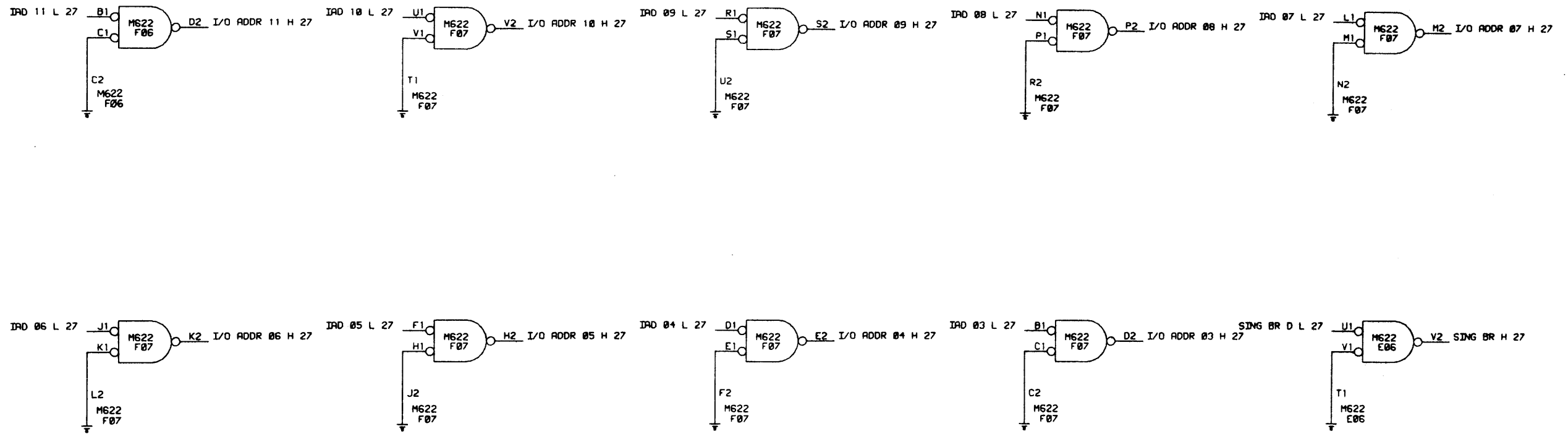
NOTE DCH ADDRESS 36  
API ADDRESS 63

REVISIONS		
CHK	CHANGE NO.	REV.
G JH	RF15-00009	A
K WALSH	9/4/70	
D VONADA	9/8/70	
JH	RF15-00011	B
<i>D. S. Walsh 10-1-70</i>		

DRN. J FASSHAUER	DATE 11-29-69	<b>digital</b> EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS
CHKD. N RHEAULT	DATE 11-29-69	
ENG. EDWARD KING	DATE 12-1-69	TITLE RF15 I/O DR & REC 3
PROB. ENG. D G VONADA	DATE 12-1-69	
PROD. E TOMPKINS	DATE 12-2-69	
FIRST USED ON		
RF15	SIZE CODE D BS	NUMBER RF15-0-26
SCALE		REV. B
SHEET 1 OF 1	DIST.	

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NOTE: THIS PRINT SUPPLIED TO SHOW EXISTING WIRING AND FOR THE CONVENIENCE OF SPECIAL SYSTEMS APPLICATIONS. MODULE IN LOCATION F07 IS NOT SUPPLIED.

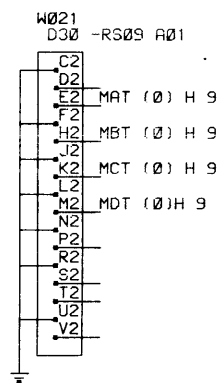
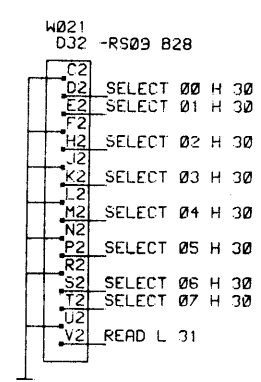
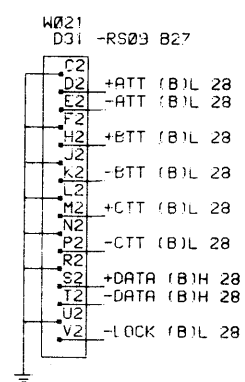
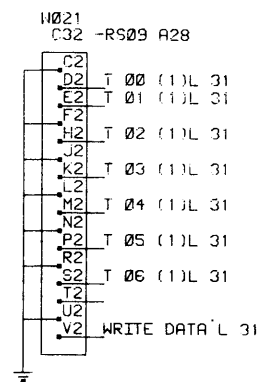
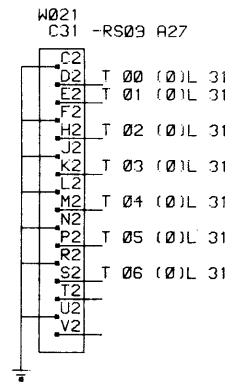


REVISIONS		
CHK	CHANGE NO.	REV.

DRN	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
CHK'D	DATE	TITLE	
ENG	DATE	1 CYCLE DATA BREAK	
PROJ. ENG.	DATE		
FRD	DATE		
FIRST USED ON	DATE		
RF 15	SIZE CODE	NUMBER	REV.
SCALE	D BS	RF 15-0-27	00
SHEET 1	OF 1	DIST.	



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(MAINTENANCE ONLY)  
(SEE NOTE 1)

- NOTES:
1. MAINTENANCE SIGNALS GO HIGH (POS. TRANSION) ON FIRST PROGRAM '1' AFTER IOT CLR.
  2. TERMINATOR CARDS (6723) LOCATED IN C31,C32, +D32 AND 6711 IN D31 ARE TO BE REMOVED AND PUT IN THE (DISK BUS OUT) CABLE SLOTS OF THE LAST RS09. INSERT 6723'S IN LOCATIONS A27, A28 + B28 AND THE 6711 IN LOCATION B27 OF THE LAST RS09.

REVISIONS		
CHK	CHANGE NO.	REV.

DRN. <i>F. Foubert</i>	DATE 11/26/69	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHK'D. <i>M. P. ...</i>	DATE 11/26/69	
ENG. <i>R. ...</i>	DATE 12-1-69	TITLE RF15 TO AND FROM RS09
PROJ. ENG. <i>R. ...</i>	DATE 12-1-69	
PROD. <i>C. D. ...</i>	DATE 12-2-69	
FIRST USED ON RF15	SIZE CODE D IC	NUMBER RF15-0-28
SCALE		REV. 00
SHEET 1 OF 1	DIST.	

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8

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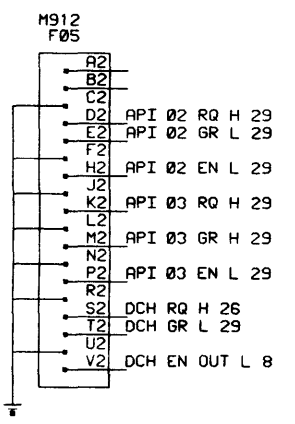
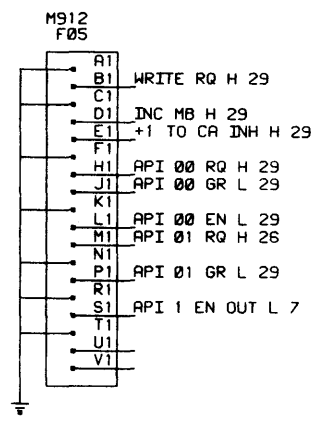
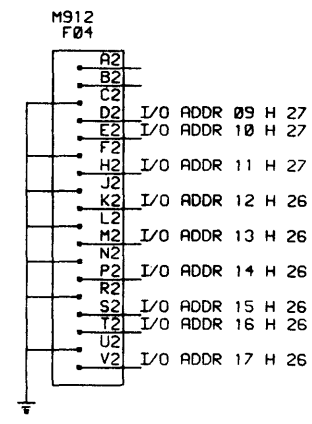
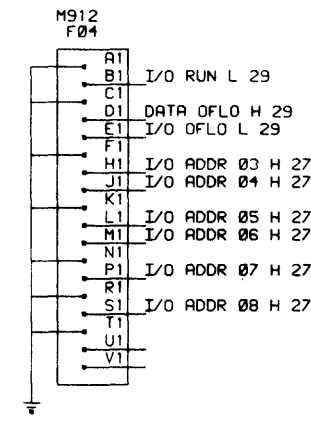
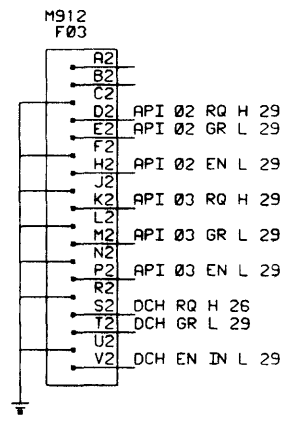
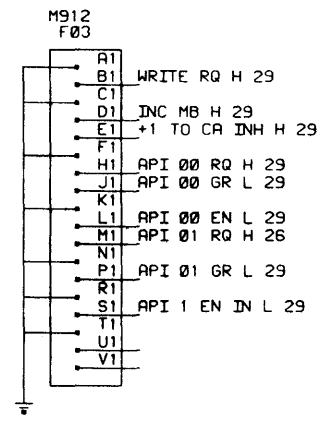
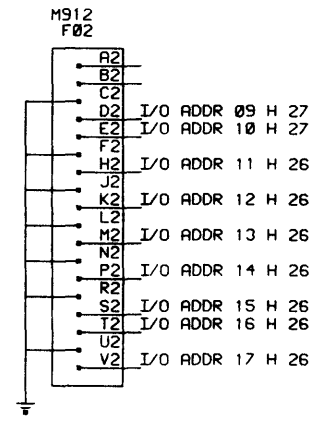
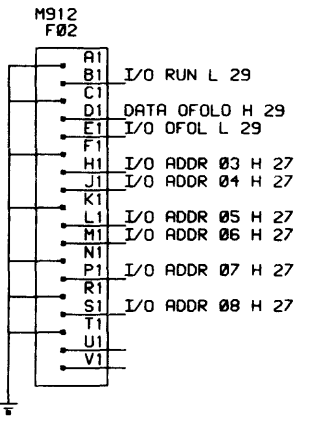
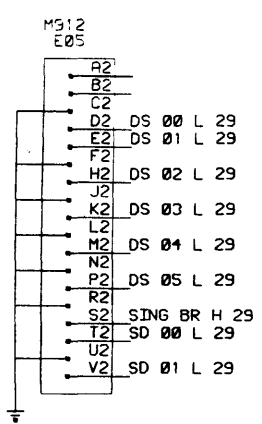
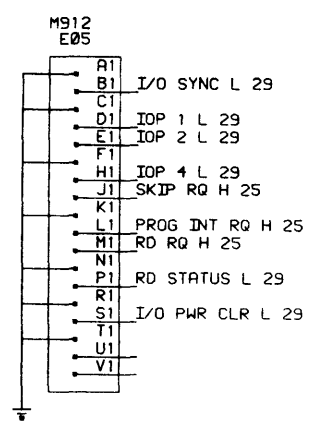
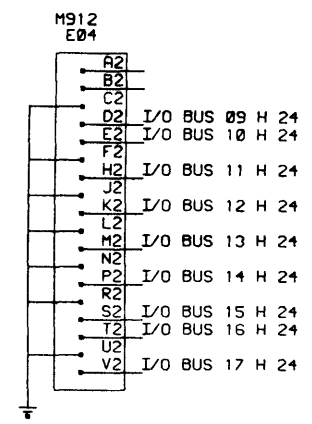
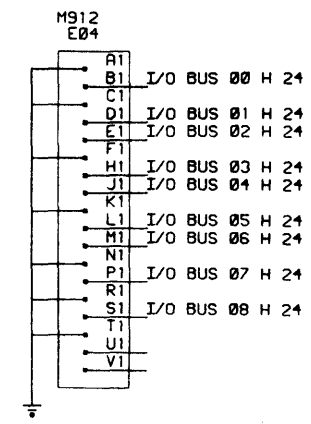
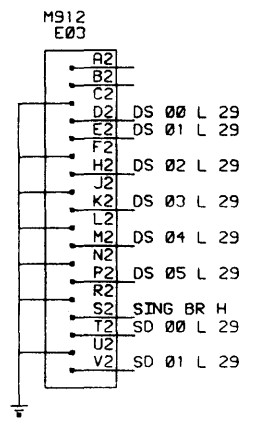
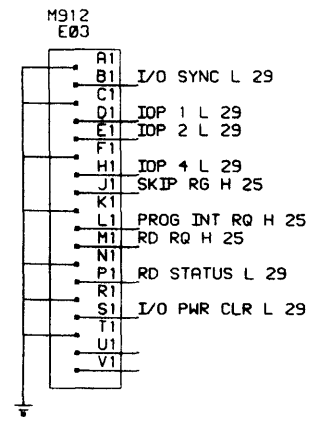
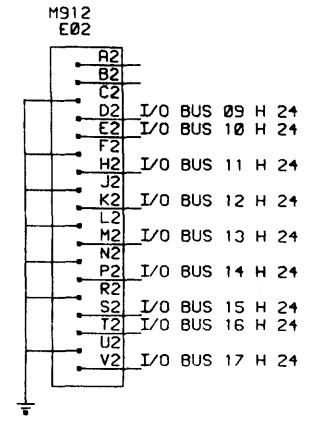
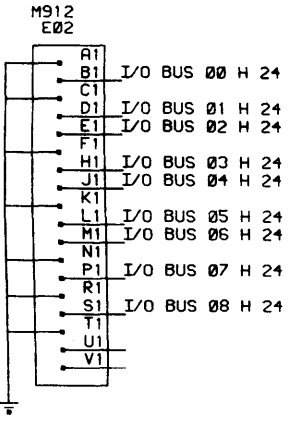
1

IN

OUT

IN

OUT



REVISIONS		
CHK	CHANGE NO.	REV.
AH	RF15-00011	A

DRN J.FASSHAUER	DATE 10-9-69	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHKD N.RHEAULT	DATE 10-9-69	
ENG C.RING	DATE 10-1-69	TITLE RF15 I/O CABLE
PROJ. ENG. D.VONADA	DATE 10-10-69	
PROD. E.TOMPKINS	DATE 10-14-69	
FIRST USED ON		
RF15	SIZE CODE D IC	NUMBER RF15-0-29
SCALE		REV. A
SHEET 1 OF 1		DIST.

2

7

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2

1

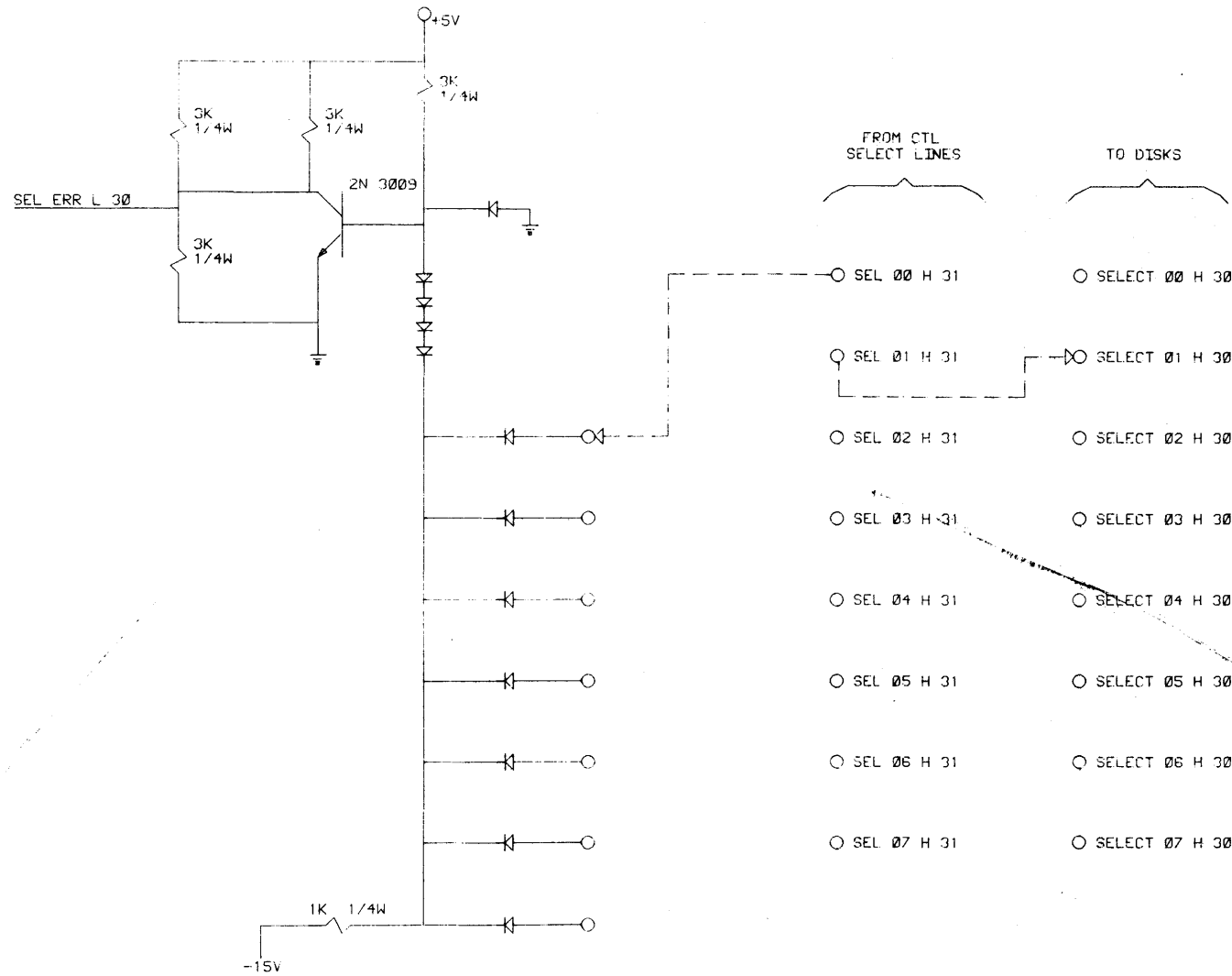
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M914  
C30

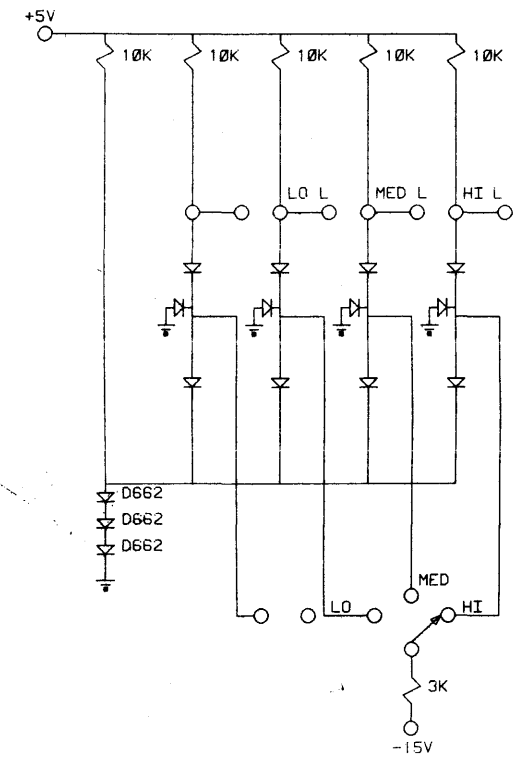
A1	SELECT 00	H	30
B1	SELECT 01	H	30
C1	SELECT 02	H	30
D1	SELECT 03	H	30
E1	SELECT 04	H	30
F1	SELECT 05	H	30
H1	SELECT 06	H	30
J1	SELECT 07	H	30
K1	SEL 00	H	31
L1	SEL 01	H	31
M1	SEL 02	H	31
N1	SEL 03	H	31
P1	SEL 04	H	31
R1	SEL 05	H	31
S1	SEL 06	H	31
T1	SEL 07	H	31
U1			
V1			

M914  
C30

A2	+5V
B2	-15V
C2	HIGH L 30
E2	LOW L 30
H2	MED L 30
J2	MED L 30
K2	SEL ERR L 30
L2	
M2	
N2	
P2	
R2	
S2	
T2	
U2	
V2	



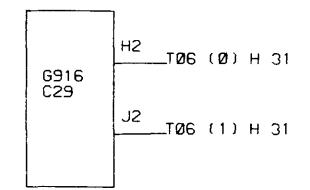
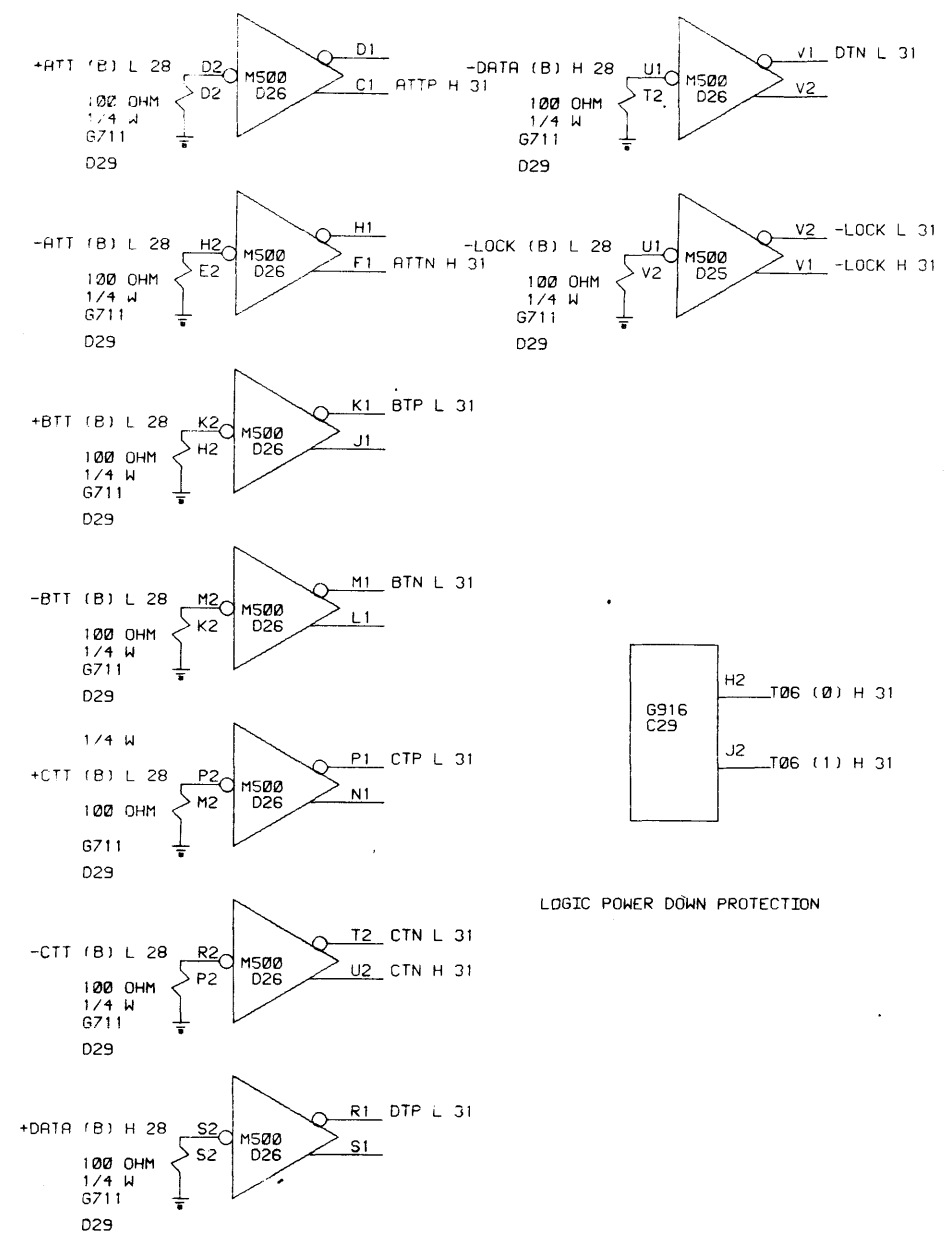
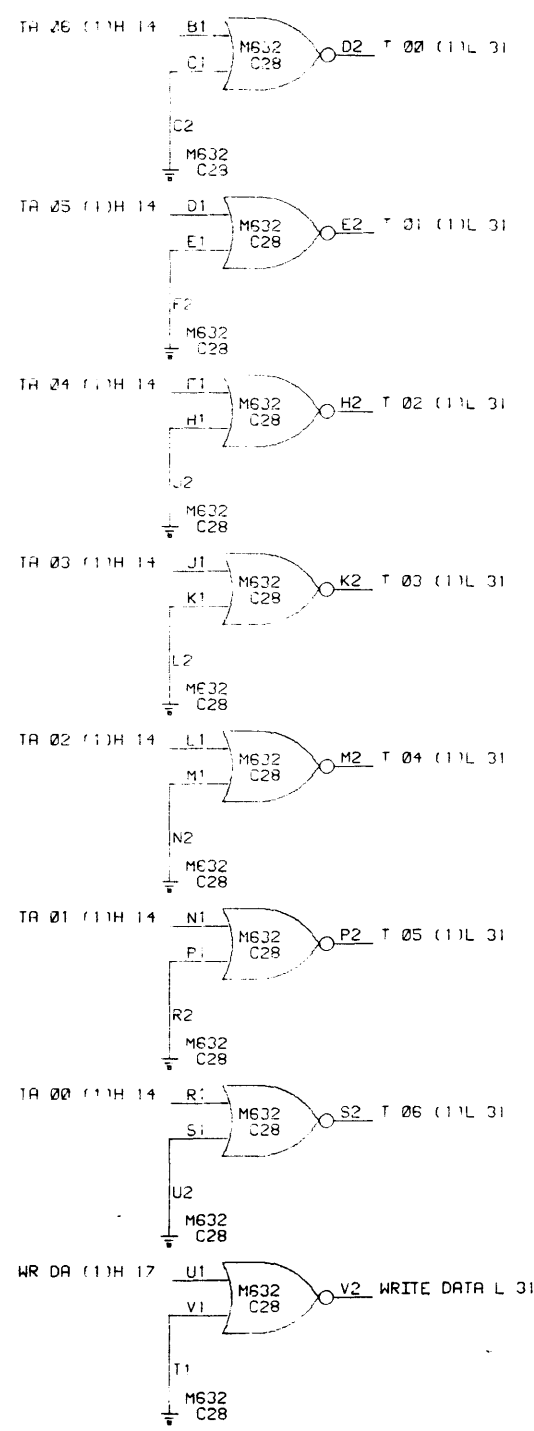
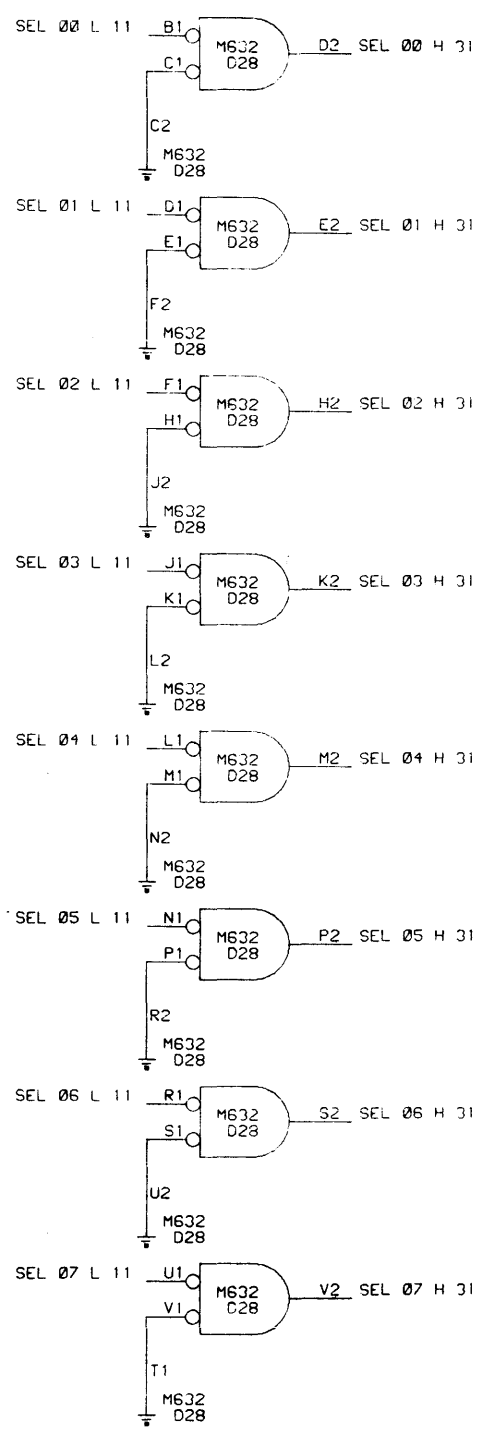
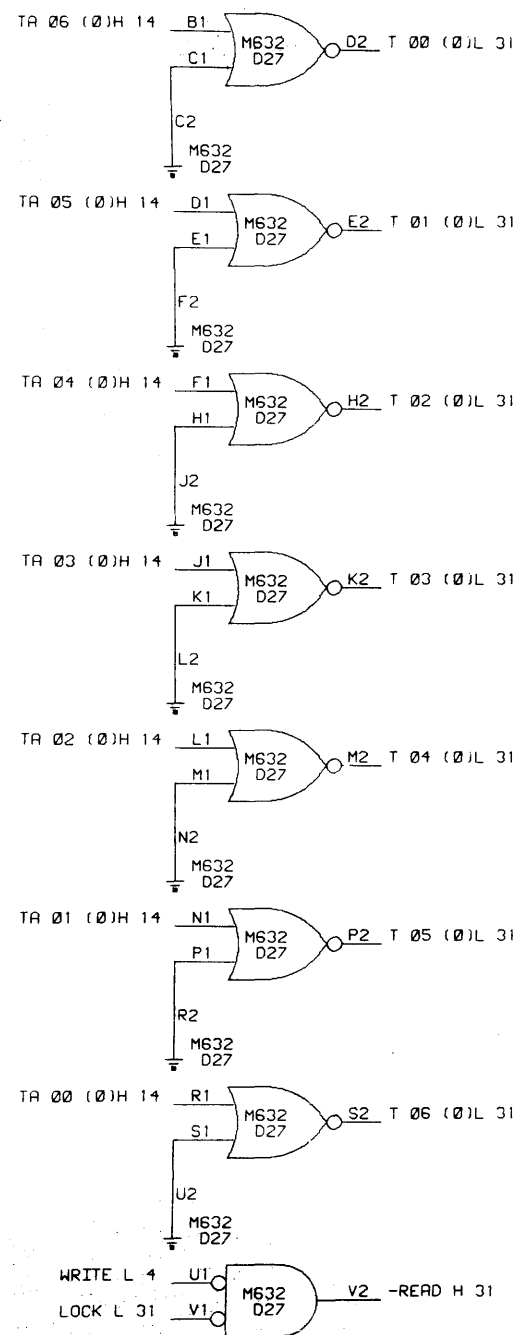
JUMPER FOR NONEXISTENT DISK  $\leftarrow \rightarrow$  JUMPER FOR DESIRED PHYSICAL DISK



REVISIONS		
CHK	CHANGE NO.	REV.

DRN <i>H. H. ...</i>	DATE 11/24/68	 digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHK'D <i>H. H. ...</i>	DATE 11/24/68	
ENG. <i>H. H. ...</i>	DATE 12-1-69	TITLE SELECTION PANEL
PRD. ENG. <i>H. H. ...</i>	DATE 12-1-69	
PROB. <i>H. H. ...</i>	DATE 12-2-69	
FIRST USED ON		
RF15	SIZE CODE B	NUMBER RF15-0-30
SCALE		REV. 00
SHEET	OF	DIST.

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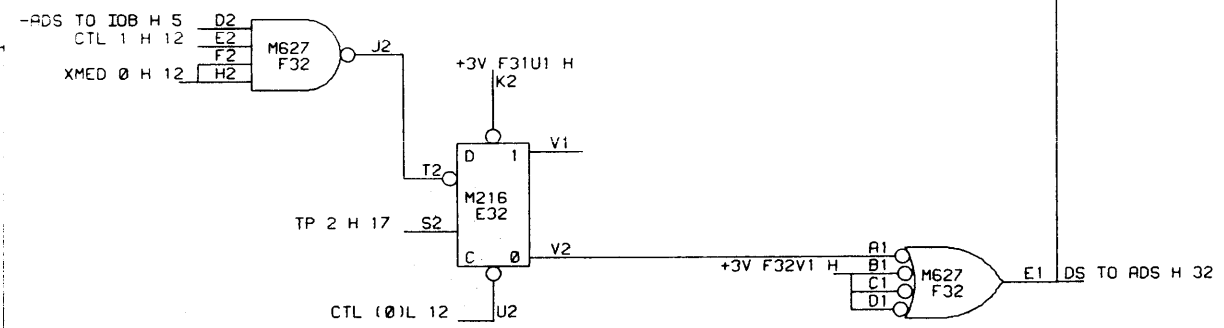
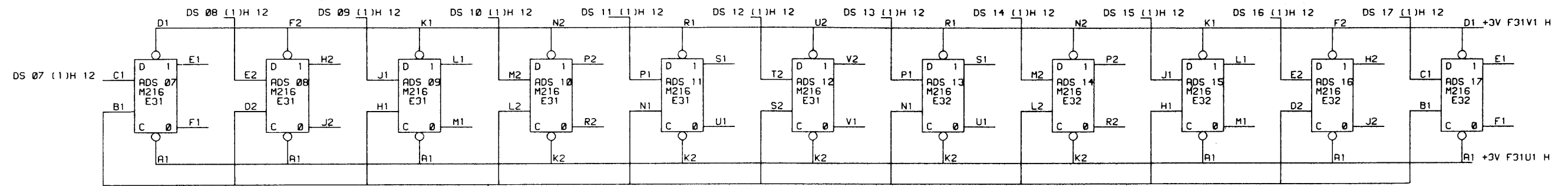


LOGIC POWER DOWN PROTECTION

REVISIONS		
CHK	CHANGE NO.	REV.
RF15-00012		A

DRN.	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHK'D.	DATE	
ENG.	DATE	TITLE
PROJ. ENG.	DATE	CONVERTER RSP - RF15
PROD.	DATE	
FIRST USED ON		
RF15		
SCALE	SIZE CODE	NUMBER
	BC RF15-31	
SHEET 1 OF	DIST.	REV. A

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REVISIONS		
CHK	CHANGE NO.	REV.

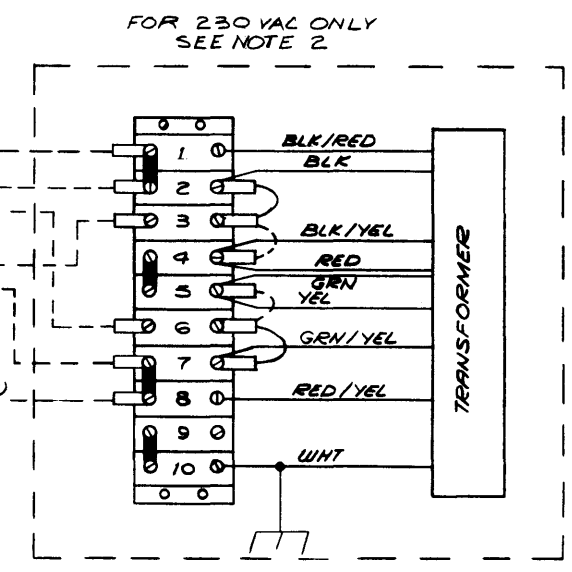
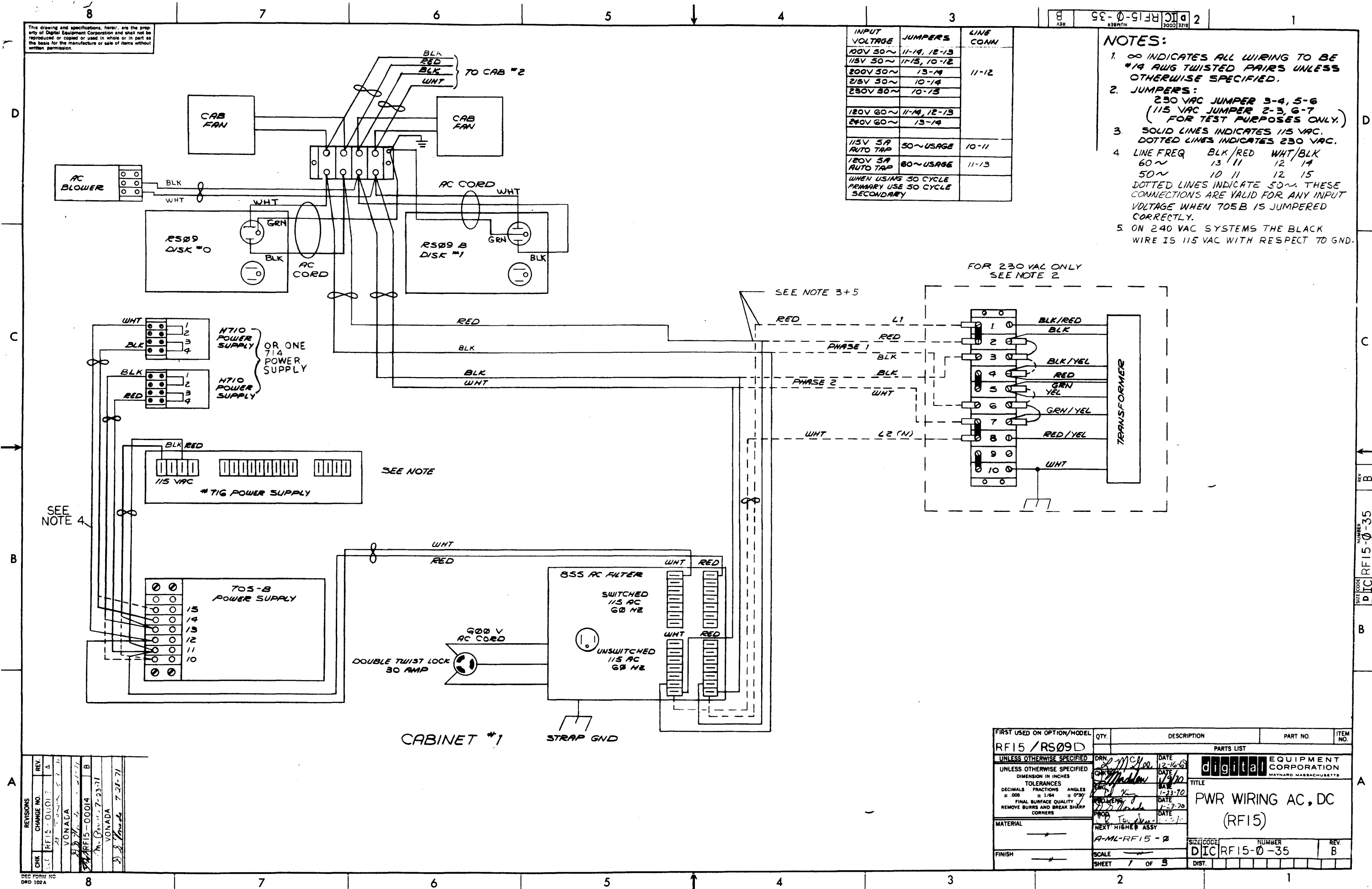
DRN <i>J. Fairman</i>	DATE 10-2-69	<b>digital</b> EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHKD <i>P. Blawie</i>	DATE 10/1/69	
ENGR <i>J. K.</i>	DATE 10-8-69	TITLE ADS REGISTER
PROJ. ENGR <i>D. J. Tomada</i>	DATE 10-8-69	
PROD. <i>C. R. Tomada</i>	DATE 12-14-69	
FIRST USED ON		
RF 15	SIZE CODE D BS	NUMBER RF 15-0-32
SCALE		REV. 00
SHEET 1 OF 1	DIST.	

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8 7 6 5 4 3 2 1  
 83B  
 35  
 15-0-35  
 2  
 3001216

INPUT VOLTAGE	JUMPERS	LINE CONN
100V 50~	11-14, 12-13	
115V 50~	11-13, 10-12	
200V 50~	13-14	11-12
215V 50~	10-14	
230V 50~	10-13	
180V 60~	11-14, 12-13	
240V 60~	13-14	
115V 5A AUTO TAP	50~USAGE	10-11
120V 5A AUTO TAP	60~USAGE	11-13
WHEN USING 50 CYCLE PRIMARY USE 50 CYCLE SECONDARY		

- NOTES:**
- ∞ INDICATES ALL WIRING TO BE #14 AWG TWISTED PAIRS UNLESS OTHERWISE SPECIFIED.
  - JUMPERS:**  
 230 VAC JUMPER 3-4, 5-6  
 (115 VAC JUMPER 2-3, 6-7 FOR TEST PURPOSES ONLY.)
  - SOLID LINES INDICATES 115 VAC. DOTTED LINES INDICATES 230 VAC.
  - LINE FREQ BLK/RED WHT/BLK  
 60~ 13 11 12 14  
 50~ 10 11 12 15  
 DOTTED LINES INDICATE 50~ THESE CONNECTIONS ARE VALID FOR ANY INPUT VOLTAGE WHEN 705B IS JUMPED CORRECTLY.
  - ON 240 VAC SYSTEMS THE BLACK WIRE IS 115 VAC WITH RESPECT TO GND.



REVISIONS

CHK	CHANGE NO.	REV.
	RF15-0-0017	A
	RF15-0-0014	B
	RF15-0-0014	B
	RF15-0-0014	B

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RF15 / RS09D				
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		DATE		
		12-16-65		
FINISH		DATE		
		1-23-70		
		DATE		
		1-23-70		
		DATE		
		1-23-70		
NEXT HIGHER ASSY				
A-ML-RF15-0				
SCALE				
1 OF 3				
SHEET				
DIST.				
TITLE				
PWR WIRING AC, DC (RF15)				
PARTS LIST				
digital EQUIPMENT CORPORATION				
MAYNARD, MASSACHUSETTS				
SIZE CODE				
DTC RF15-0-35				
NUMBER				
REV. B				

REV. B  
 NUMBER  
 DTC RF15-0-35  
 SIZE CODE









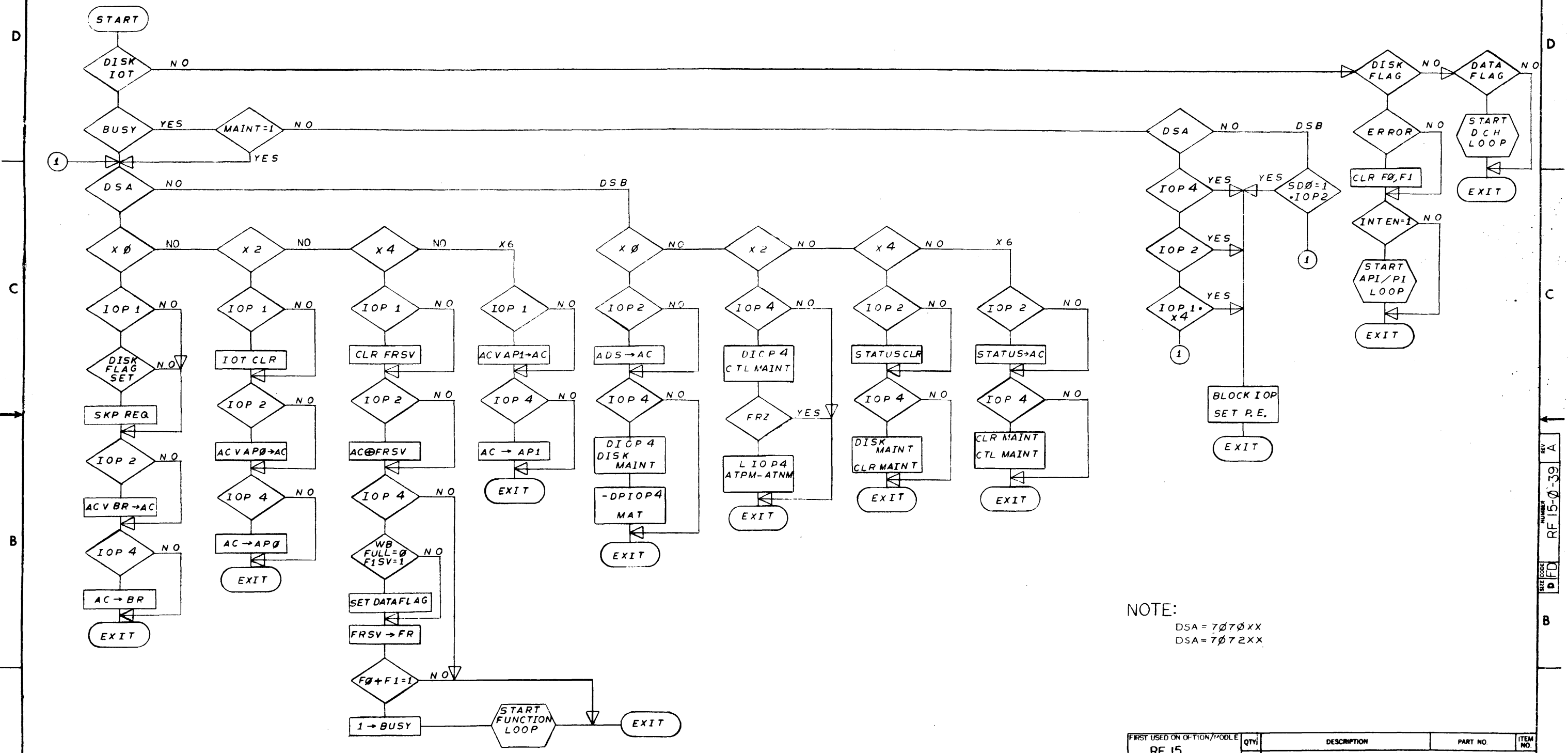




CONTROL LOOP

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RF 15-0-39 2



NOTE:  
 DSA = 7070XX  
 DSA = 7072XX

REV	CHANGE NO	DATE	BY
1		1-9-70	JONAS
2		6-9-70	D. J. ...

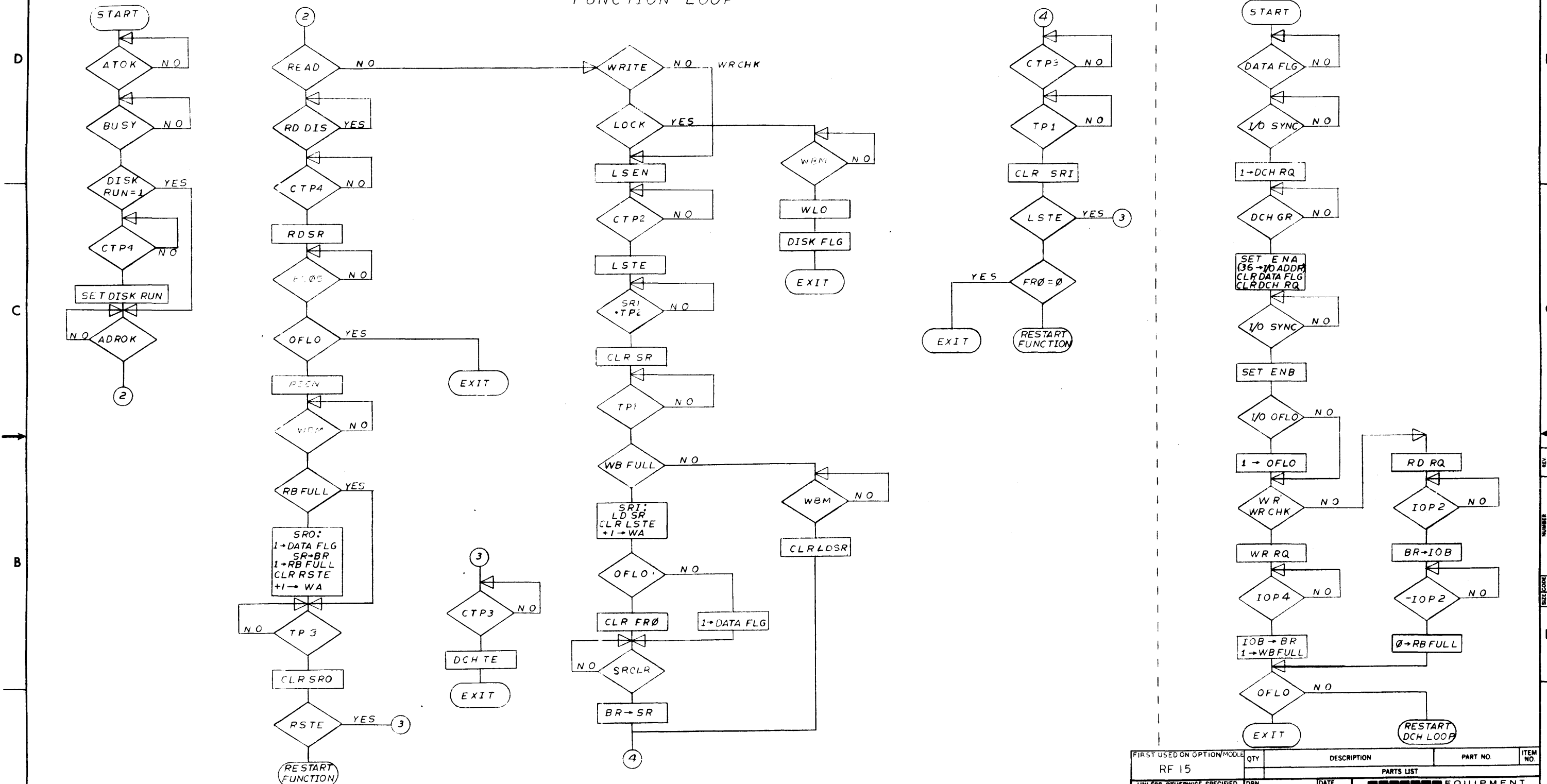
FIRST USED ON OPTION/MODEL RF 15	QTY	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED				
DIMENSION IN INCHES				
TOLERANCES				
DECIMALS FRACTIONS ANGLES				
± .005 ± .005 ± .005				
FINAL SURFACE QUALITY				
REMOVE BURRS AND BREAK SHARP CORNERS				
MATERIAL	DATE	DATE	DATE	DATE
---	2/4/70	2/6/70	2/8/70	2-6-70
FINISH	DATE	DATE	DATE	DATE
---	2-6-70	2-6-70	2-6-70	2-6-70
TITLE				
FLOW DIAGRAM				
NEXT HIGHER ASSY				
A-ML-RF15-0				
SCALE NONE				
SHEET 1 OF 3				
DST.				
NUMBER				
RF 15-0-39				
REV				
A				

RF 15-0-39 A

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### FUNCTION LOOP

### DCH LOOP



REV	
CHANGE NO	
CHK	

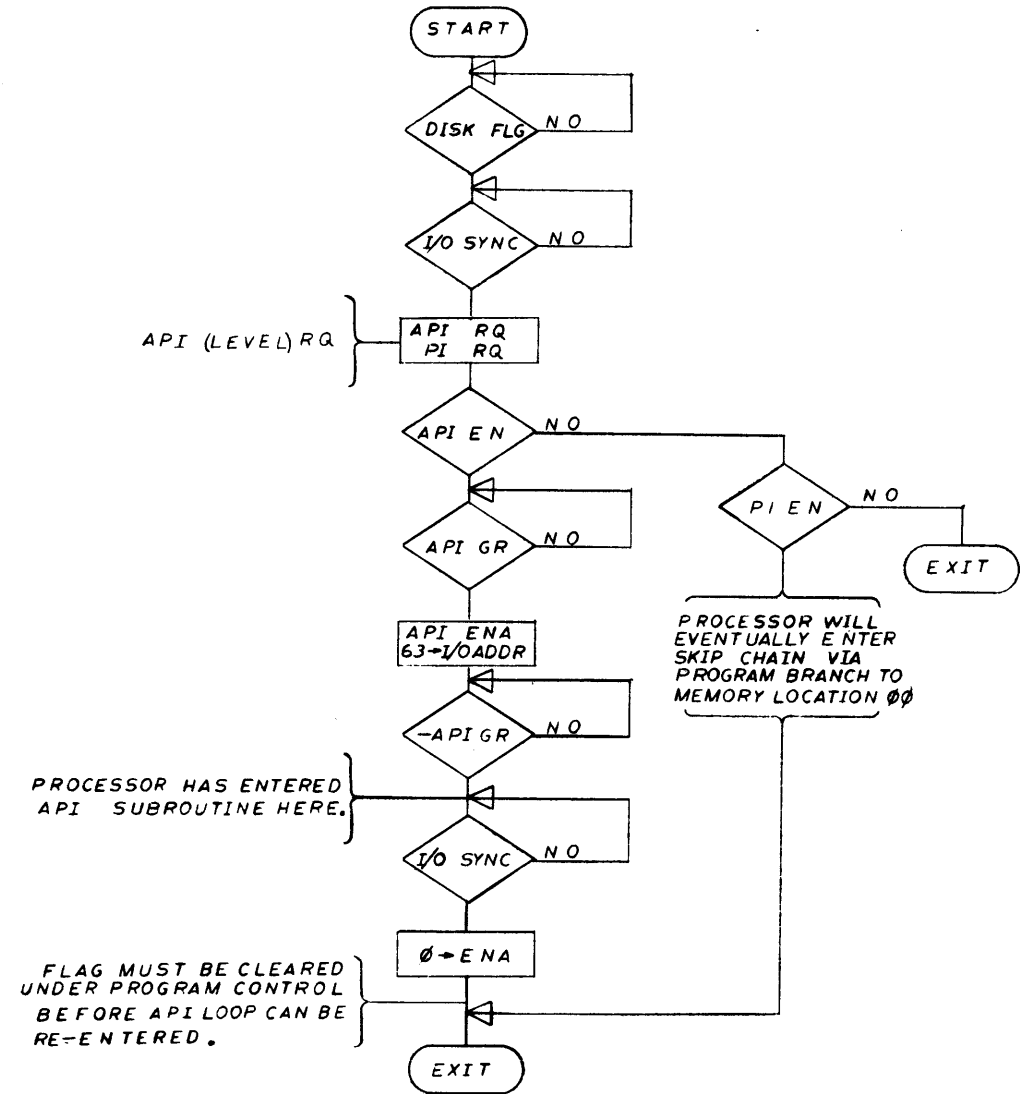
FIRST USED ON OPTION/MODULE	RF 15	QTY		DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED	DRN	DATE	2/5/70	PARTS LIST		
UNLESS OTHERWISE SPECIFIED	CHK'D	DATE	2-6-70	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
TOLERANCES	ENG	DATE	2-9-70	TITLE		
DECIMALS = 0.005	FRAC	DATE	2-6-70	FLOW DIAGRAM		
ANGLES = 0°30'	PROD.	DATE		SCALE NONE		
FINAL SURFACE QUALITY				SIZE CODE DFD		
REMOVE BURRS AND BREAK SHARP CORNERS				NUMBER RF 15-0-39		
MATERIAL				REV. A		
FINISH				SHEET 2 OF 3		
				DST.		

REV. A  
RF 15-0-39  
DFD

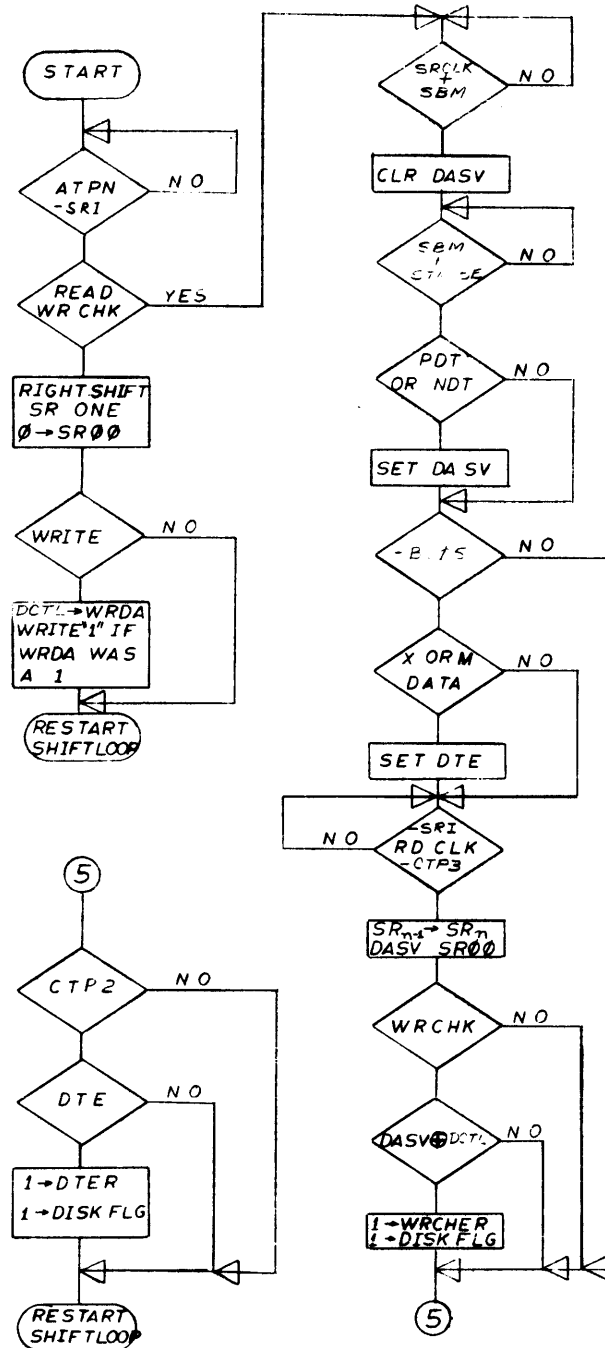
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REV A  
 SIZE CODE DFD  
 NUMBER RF15-0-39  
 SHEET 2

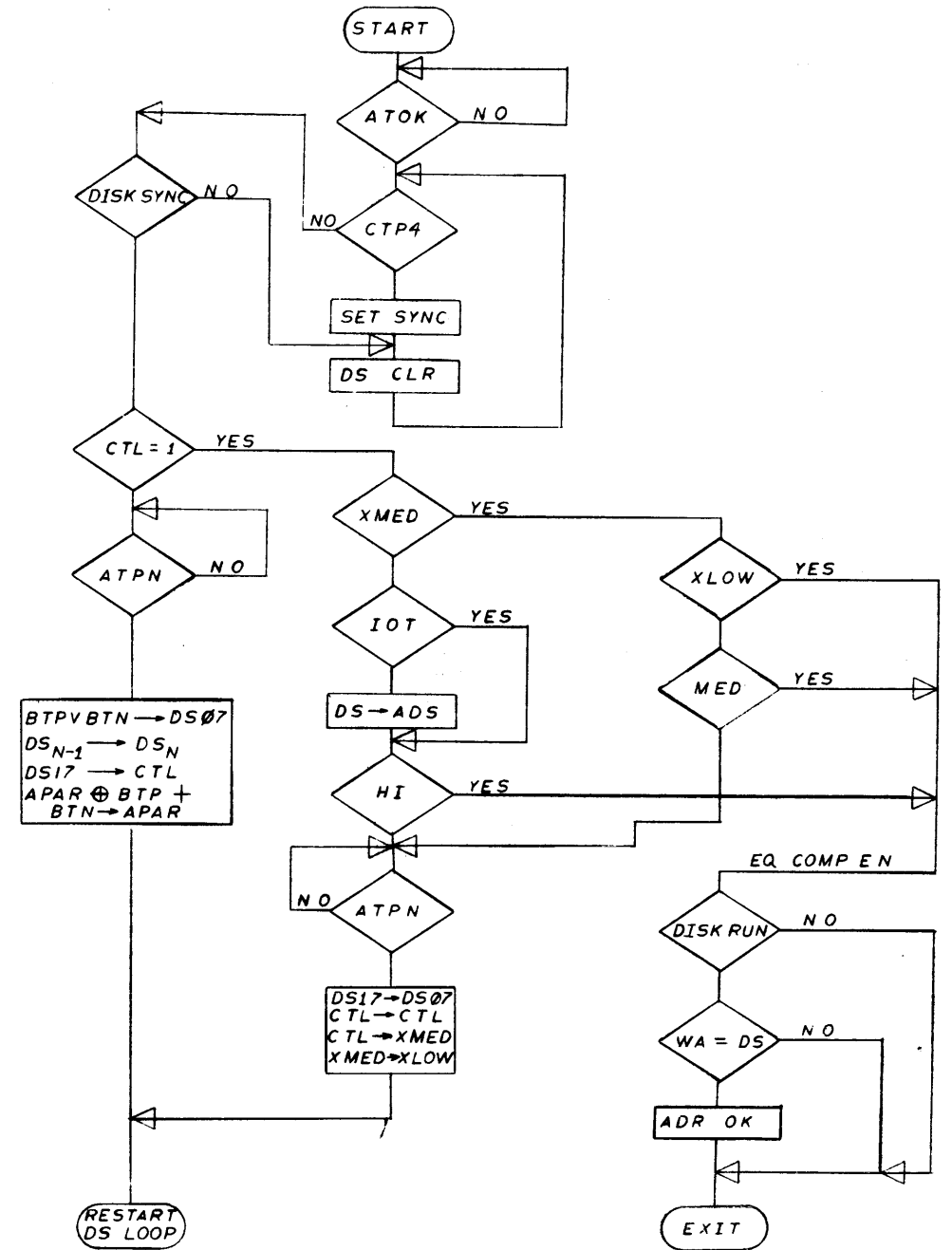
### API/PI LOOP



### SHIFT LOOP



### DS LOOP

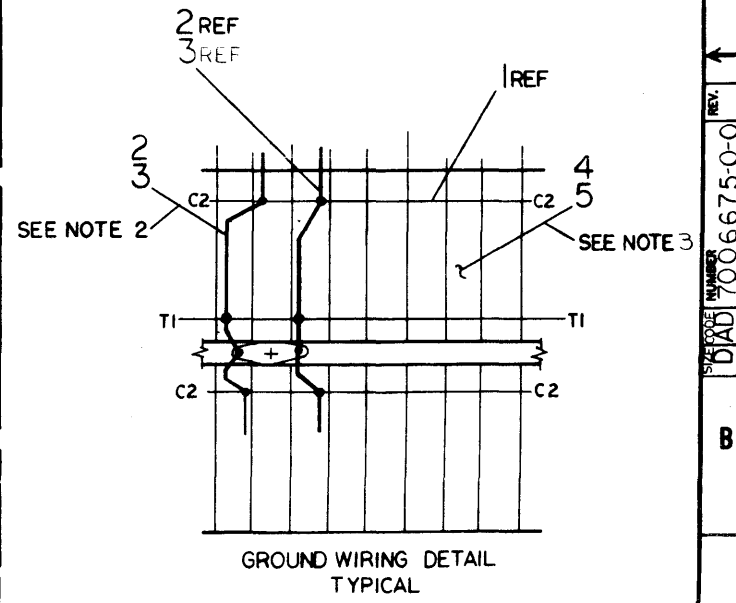
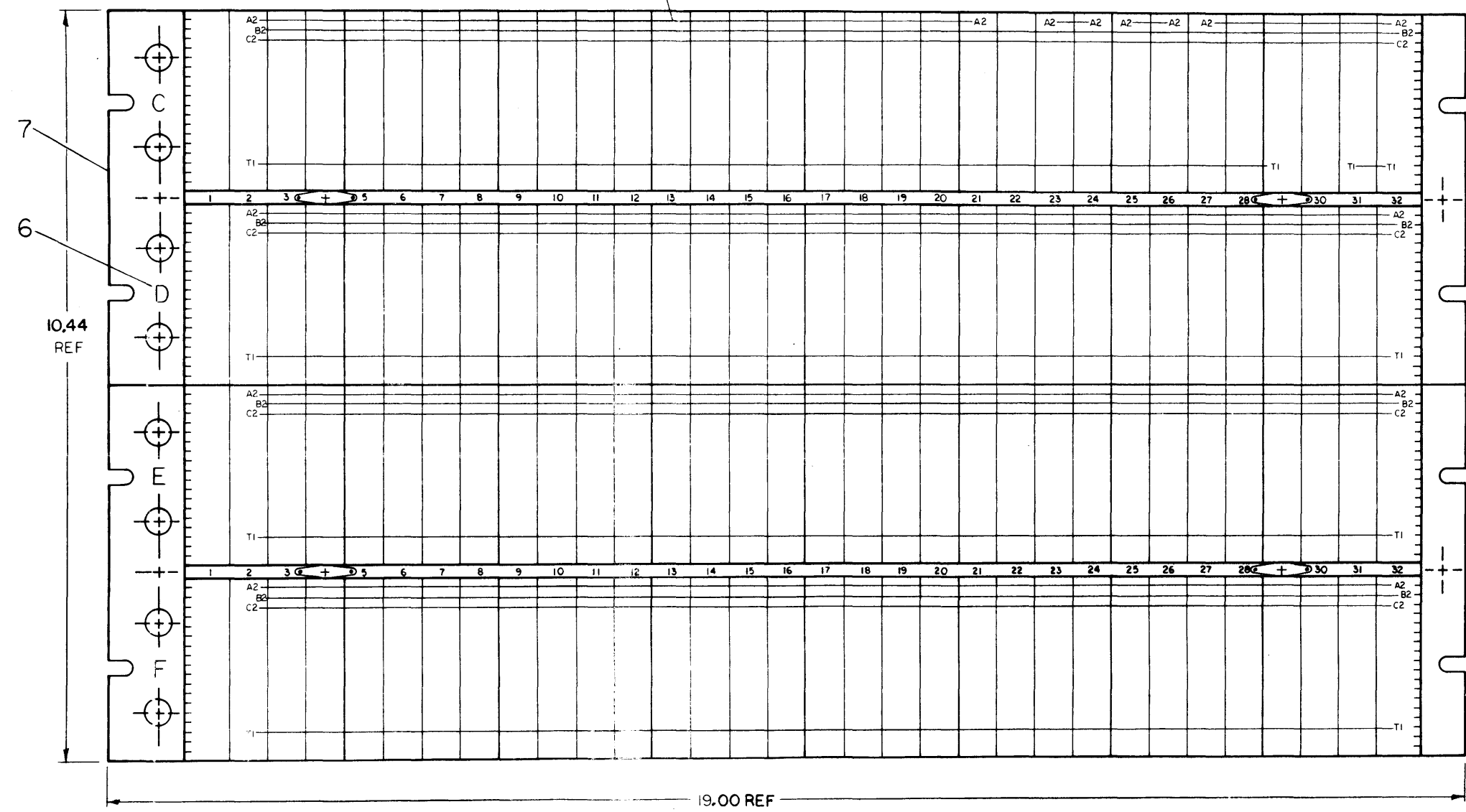


REV	CHANGE NO.

FIRST USED ON OPTION/MODEL RF 15	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN.	DATE	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED	CHK'D.	DATE	TITLE	
DIMENSION IN INCHES			FLOW DIAGRAM	
TOLERANCES	ENG.	DATE		
DECIMALS FRACTIONS ANGLES				
± .005 ± 1/64 ± 0°30'				
FINAL SURFACE QUALITY	PROD.	DATE		
REMOVE BURRS AND BREAK SHARP CORNERS				
MATERIAL	NEXT HIGHER ASS'Y			
	A-ML-RF15-0			
FINISH	SCALE	NONE	SIZE CODE	NUMBER
			DFD	RF15-0-39
	SHEET	3	OF	3
	DIST.			

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- NOTES:
1. CONNECTIONS ON ITEM NUMBER 1#2 TO BE LOCATED AND SOLDERED AT MINIMUM PRACTICAL HEIGHT ABOVE BLOCKS.
  2. ALL CONNECTOR BLOCKS TO BE GROUNDED TO GROUND LUGS AS SHOWN, 4 PLACES
  3. USE YELLOW WIRE (ITEM#4) FOR MACHINE WRAPPED AND BLUE WIRE (ITEM#5) FOR HAND WRAPPED WIRING.



**TOLERANCES DECIMALS**  
 .XXX ± .005  
 .XX ± .02  
 .X ± .1

FIRST USED ON OPTION/MODEL RF15	QTY.	DESCRIPTION	PART NO.	ITEM NO.
DO NOT SCALE DRAWING	DRN. <i>McRae</i>	DATE 12-11-67	PARTS LIST	
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	CHKD. <i>Ward</i>	DATE 1/29/70	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
TOLERANCES	ENG. <i>Ward</i>	DATE 1-23-70	TITLE	
DECIMALS FRACTIONS ANGLES	PRD. ENGR. <i>Ward</i>	DATE 1-23-70	WIRED ASS'Y (RF15)	
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	PRD. <i>Ward</i>	DATE 1-23-70	SIZE/CODE NUMBER	
MATERIAL	REV. <i>Ward</i>	DATE 1-23-70	DUA-RF15-00	
FINISH	SCALE NONE	SHEET 1 OF 1	DAD 7006675-0-0	

REV.	NO.
CHANGE NO.	
CHK.	

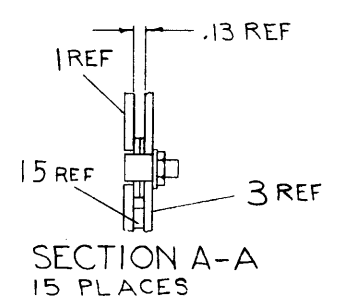
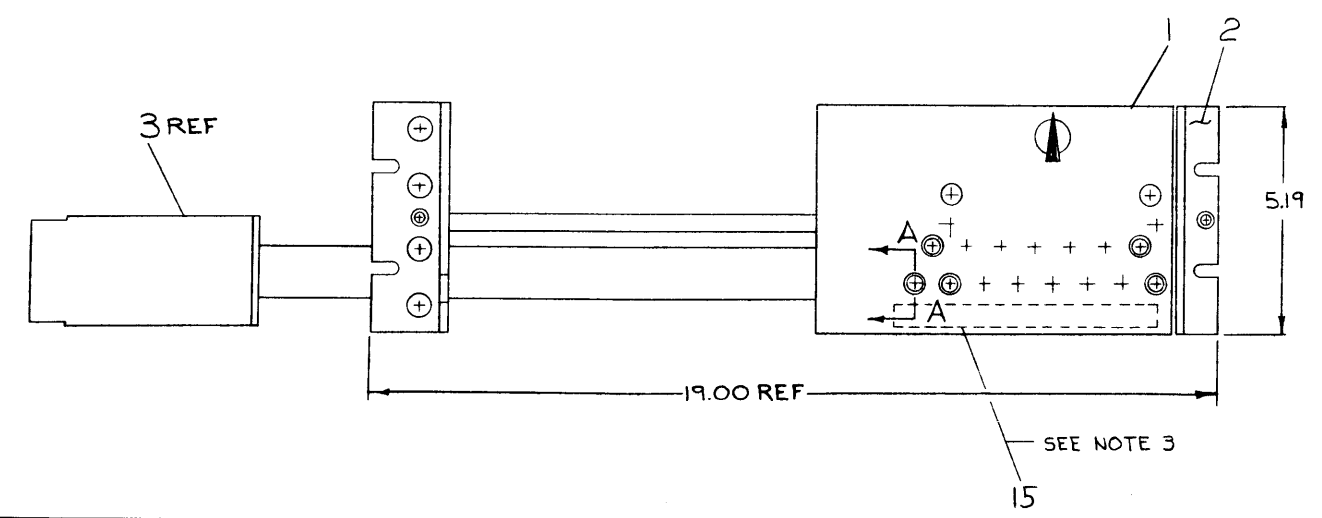
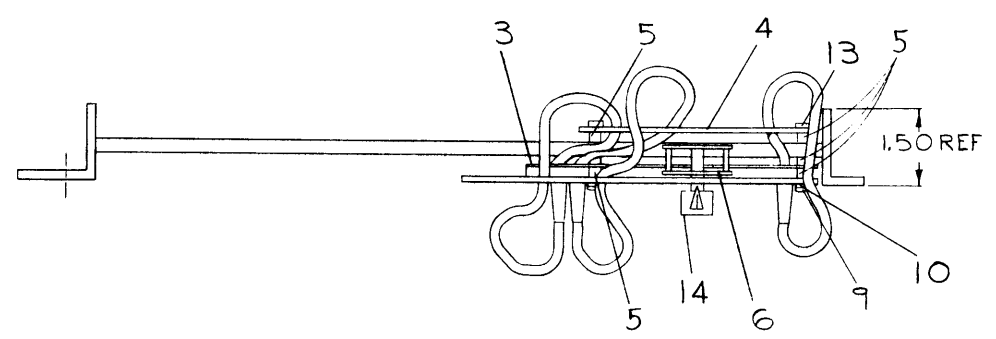
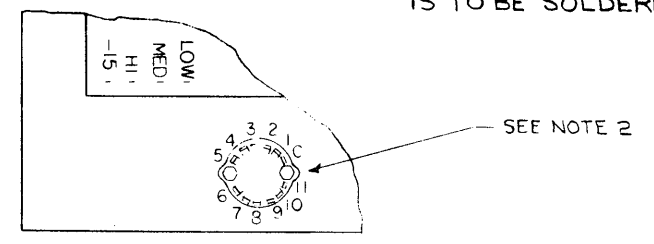
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REV C 0-0-999900Z 10V 2

ITEM NO	DESCRIPTION		CONNECTIONS		EQUIP FROM WITH ITEMS	EQUIP TO WITH ITEMS	REMARKS
	AWG	COLOR	FROM	TO			
7	24	BLU	LOW	SI-1	A	A	
			MED	SI-2	A	A	
			HIGH	SI-3	A	A	
7	24		-15V	SI-6	A	A	
8		RES	SI-C	SI-6	A, I	A, I	

- NOTES**
1. REMOVE ROLL PINS FROM ITEM #2 BEFORE ASSEMBLY
  2. REMOVE ONE FINGER FROM SWITCH STOP PLATE TO MAKE 3 POSITION SWITCH.
  3. 5-1/2 LENGTH FOAM TAPE FASTENED TO BOTTOM OF PANEL.

LETTER DESIGNATION "A" INDICATES WIRE IS TO BE SOLDERED PER ABOVE TABLE.



REV	CHG	NO	DATE	BY	APP
A		1	5-13-69	D. VONADA	
B		2	5-16-69	D. VONADA	
C		3	5-12-69	D. VONADA	
		4	5-16-69	D. VONADA	
		5	5-23-69	D. VONADA	

**TOLERANCES**  
 DECIMALS  
 .XXX = ±005  
 XX = ±02  
 X = ±1

REV	NO	DATE	BY	APP
C		5-13-69	D. VONADA	

FIRST USED ON OPT. OR MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RF09				

UNLESS OTHERWISE SPECIFIED	
DECIMALS	FRACTIONS
± .005	± 1/64
	± 0.000
FINAL SURFACE QUALITY	
REMOVE BURRS AND BREAK SHARP CORNERS	

MATERIAL	FINISH

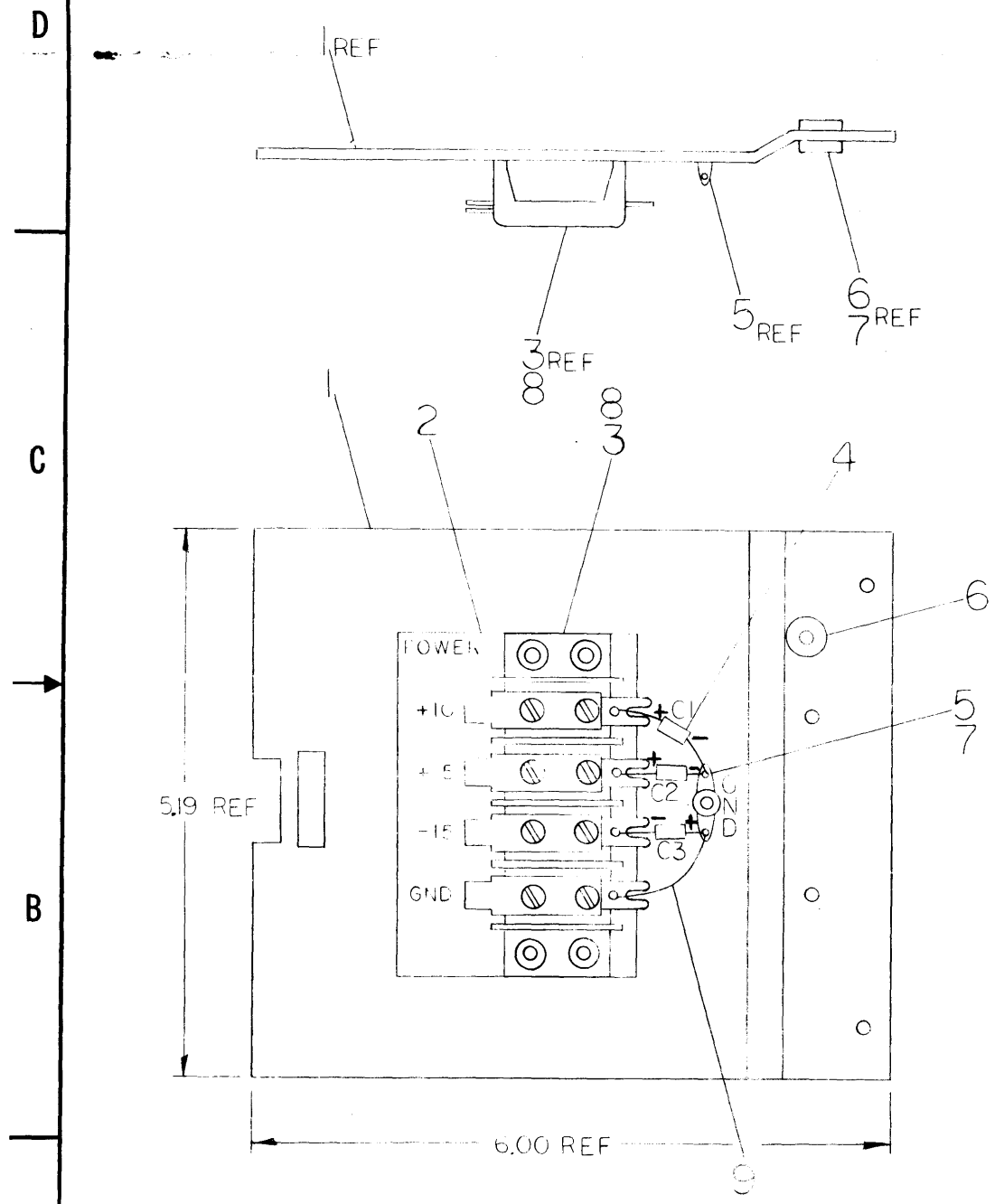
SCALE	SHEET	OF
NONE		

PARTS LIST	
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
TITLE JUMPER PANEL (ASSY) RF09	
SIZE CODE	NUMBER
DIA	7006356-0-0
REV	C

REV C  
 NUMBER  
 DIA 7006356-0-0



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REV.	
CHG. NO.	
CHK	

**TOLERANCES**

DECIMALS

.XXX = ± .005

.XX = ± .02

.X = ± .1

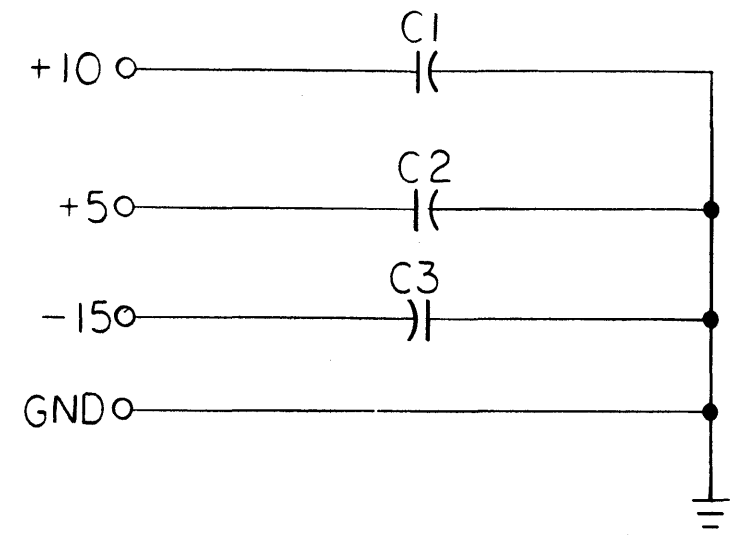
FIRST USED ON OPTION / MODEL RF09-0	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS ± .005 FRACTIONS ± 1/64 ANGLES ± 0°30'	DRN. DATE 7/1/69	DATE 7/1/69	<b>digital</b> EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS TITLE PANEL LEFT END ASSY (RF09)	
FINAL SURFACE QUALITY ✓ REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D. DATE 3/1/69	DATE 6-10-69		
MATERIAL #	ENG. DATE 6-10-69	DATE 6-10-69		
FINISH #	PROD. DATE 6/12/69	DATE 6/12/69		
	PROJ. ENG. DATE 6-10-69	DATE 6-10-69		
	NEXT HIGHER ASSY C-AL 006353-1		SIZE CODE C AD	NUMBER 5408405-0-0
	SCALE #	SHEET 1	DIST.	REV.

REV. NUMBER  
C AD 5408405-0-0



REV.	NUMBER	SIZE	CODE
	5408405-0-1	B	CS

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	PARTS LIST	A-PL-5408405-0
CI THRU C3	CAP. 6.8 MFD 35V 20%	1000067
REFERENCE DESIGNATION	DESCRIPTION	PART NO.

RF09-0

REVISIONS	CHK	CHG. NO.	REV.

DRN.	DATE
<i>W. Flanagan</i>	4/17/69
CHK'D	DATE
<i>D. Neely</i>	7/30/69
ENG.	DATE
<i>D. Vonada</i>	6-10-69
PROB.	DATE
<i>6/11/69</i>	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

**digital**  
EQUIPMENT CORPORATION  
MAYNARD, MASSACHUSETTS

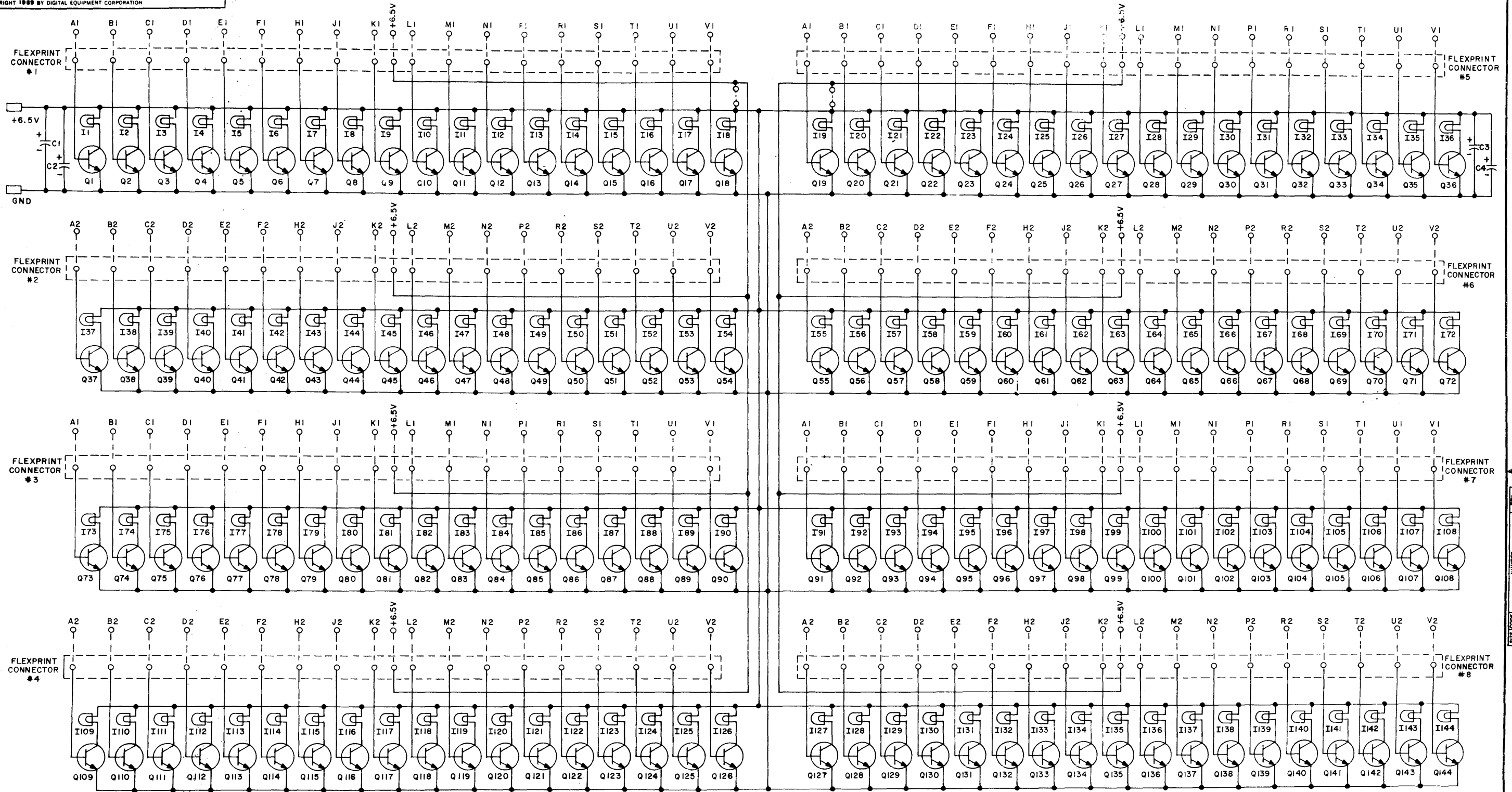
TITLE			
PANEL, LEFT END ASS'Y (RF09)			
SIZE	CODE	NUMBER	REV.
B	CS	5408405-0-1	
PRINTED CIRCUIT REV.			



PINK



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UNLESS OTHERWISE INDICATED:  
 TRANSISTORS ARE DEC3009B  
 O-O INDICATES JUMPER  
 CAPACITORS ARE 39MFD 10V 10%  
 LAMPS ARE I209219

REV	DATE	BY	CHK
1	9-3-67	M. Keller	
2	9-15-67	D. Laugel	
3	9-17-67	D. B. White	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC3009B	2N3009		

**digital**  
 EQUIPMENT CORPORATION  
 MAYNARD, MASSACHUSETTS

TITLE PERIPHERAL INDICATOR PANEL 5408458  
 SIZE D CODE CS NUMBER 5408458-0-1  
 PRINTED CIRCUIT REV. 3



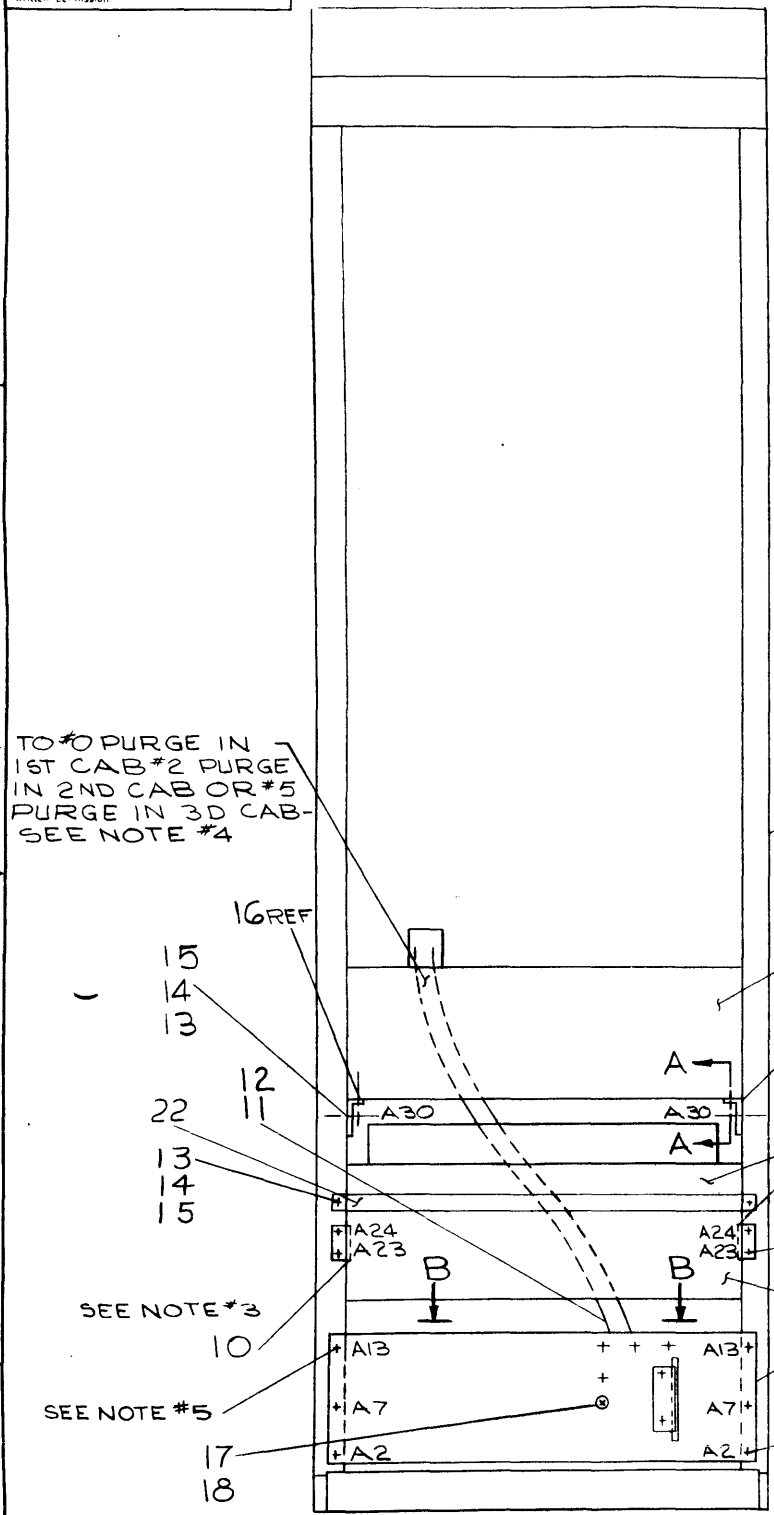




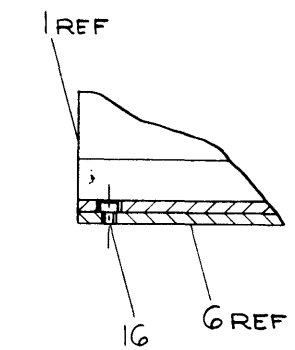
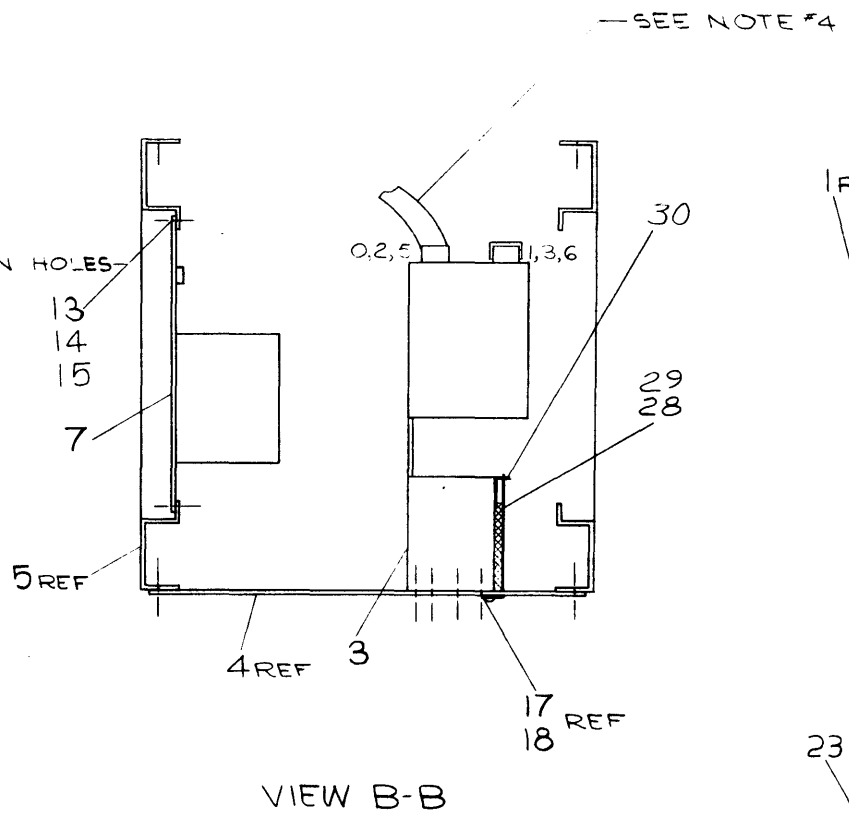
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LEGEND	
NUMBER	VARIATION
RS09-0	60 HZ
RS09-A	50 HZ

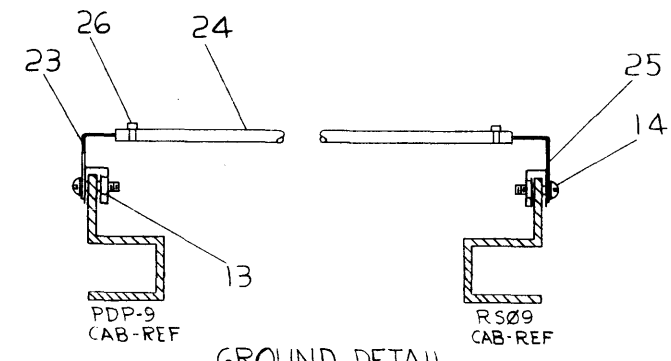
- NOTE:
- FOR LUG INDEX SEE REFER TO DWG D-11-RS09-0-3.
  - PLACE PROPER DECAL TEM#9 (50 OR 60 HZ) IN SILK SCREENED SQUARE BOX AT REAR OF CHASSIS ASS'Y.
  - IF CABINETS ARE MADE OVER SIZE SPACER ITEM #10 SHALL BE USED ON EITHER ONE END OR BOTH ENDS UNDER CHASSIS SLIDES.
  - REMOVE CAP & ATTACH HOSE ITEM #12 TO PURGE #00R #2 OR #5 - REFER TO RF09/RS09 ARRANGEMENT DWG #DAR-RF09-0-37.
  - INDICATES LOCATIONS FOR MTG ITEMS 4, 6, 7 - SEE DWG# E-UA-H950-A-0 SHEET #2.
  - FOR CABLE ORIENTATION REFER TO MODULE UTILIZATION #D-MU-RS09-0-5 & D-MU-RF09-0-33.
  - GROUND STRAP WITH BLACK TUBING AND TIEWRAPS TO BE CONNECTED BETWEEN COMPUTER CAB AND FREE STANDING RS09 CAB.



LOCATED IN HOLES - A10 & A11



SECTION A-A



GROUND DETAIL  
CAB TO CAB  
(SEE NOTE 7)

REV	CHANGE NO.	DATE	BY	CHK'D.
A	RS09-00004	11-1-67	D. VONADA	
B	RS09-00010	11-1-67	C. VONADA	
C	RS09-00012	11-1-67	C. VONADA	
D	RS09-00019	11-1-67	C. VONADA	
	RS09-00021	11-1-67	C. VONADA	

FIRST USED ON OPTION/MODEL  
RS09-0

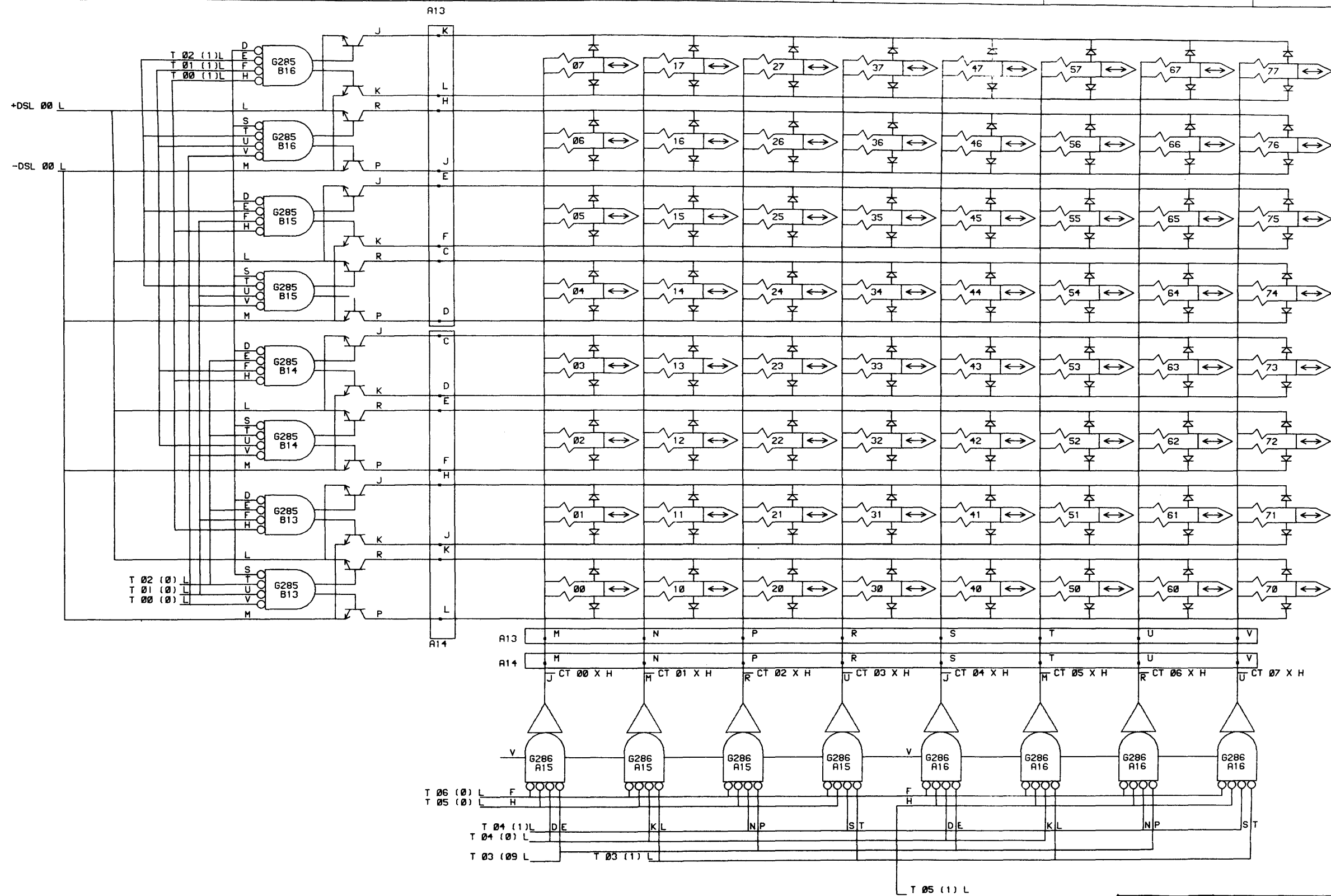
DO NOT SCALE DRAWING  
UNLESS OTHERWISE SPECIFIED  
DIMENSION IN INCHES  
TOLERANCES  
DECIMALS FRACTIONS ANGLES  
± .005 ± 1/64 ± 0°30'  
FINAL SURFACE QUALITY  
REMOVE BURRS AND BREAK SHARP CORNERS

QTY.	DESCRIPTION	PART NO.	ITEM NO.
	PARTS LIST		
	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
	TITLE 262 K 18 BIT DEC DISK (RS09)		
	NEXT HIGHER ASSY A-ML-RS09-0		
	SCALE	NUMBER	REV.
	1 OF 1	DUAR09-0-0	D





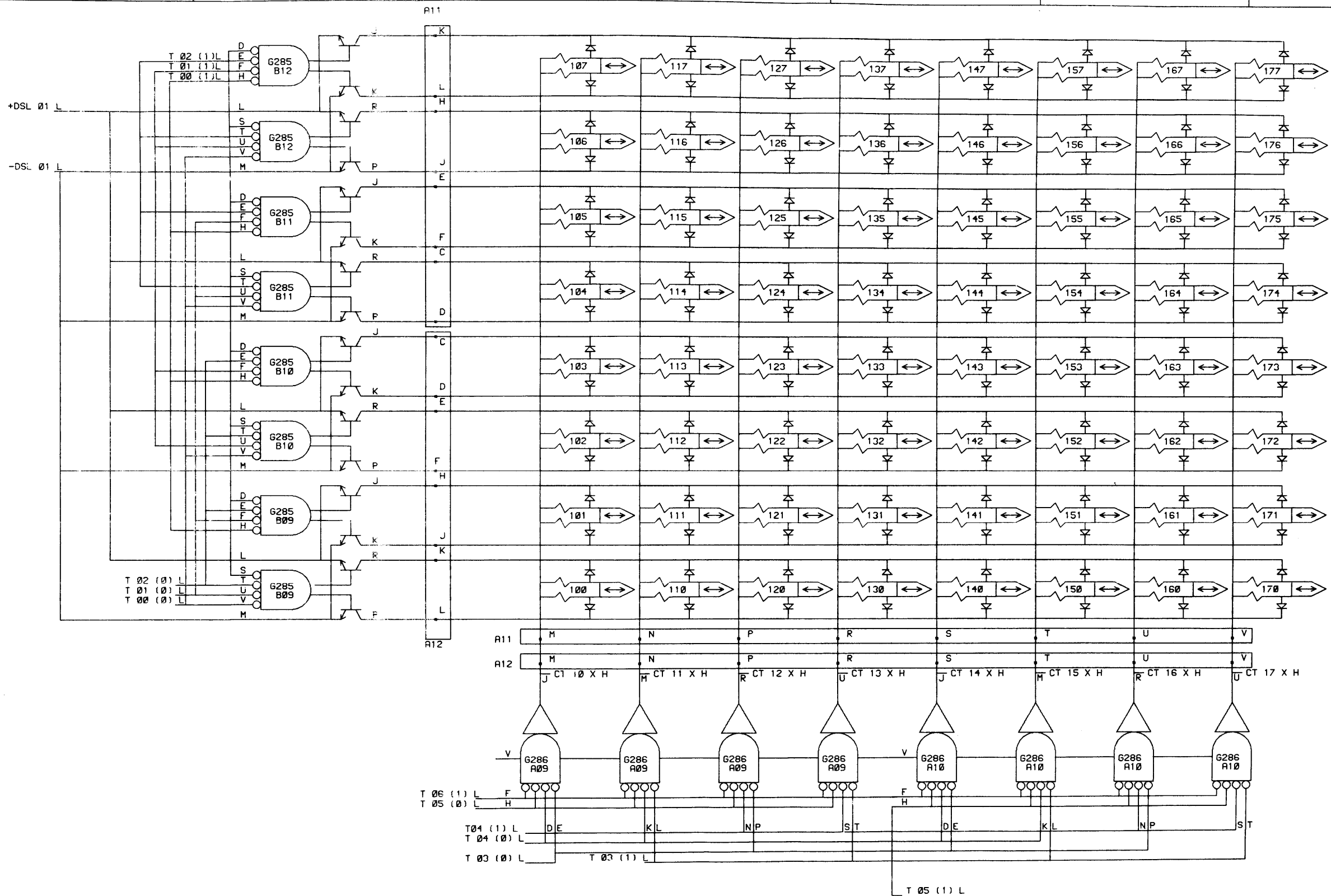
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REVISIONS		
CHK	CHANGE NO.	REV.

DRN.	DATE	 <b>digital EQUIPMENT CORPORATION</b> MAYNARD, MASSACHUSETTS
CHK'D.	DATE	
ENG.	DATE	
PROJ. ENG.	DATE	
PROD.	DATE	
FIRST USED ON		TITLE
RS09		TRACK SELECT MATRIX 0
SCALE	SIZE/CODE	NUMBER
SHEET 1 OF 1	D BS	RS09-0-2
	DIST.	REV.
		00

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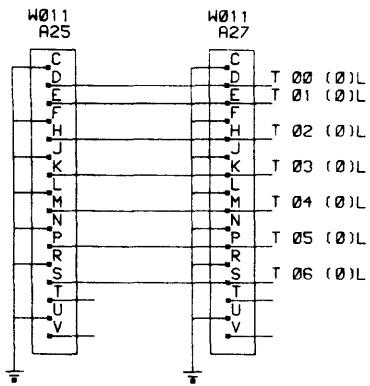


REVISIONS		
CHK	CHANGE NO.	REV.

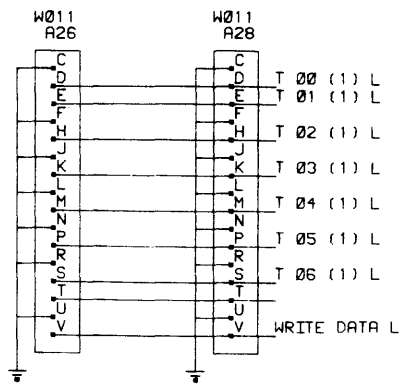
DRN	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHK'D	DATE	
ENG	DATE	TITLE
PROJ. ENG.	DATE	TRACK SELECT MATRIX I
PROD.	DATE	
FIRST USED ON		
RS09		
SCALE	SIZE CODE	NUMBER
SHEET 1 OF 1	D BS	RS09-0-3
	DIST.	REV. 00

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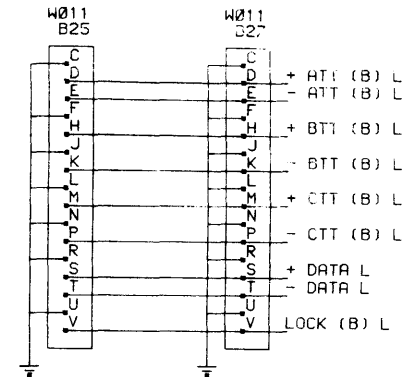
G723 CLAMPED TERMINATIONS IN LAST RS



G723 CLAMPED TERMINATIONS IN LAST RS

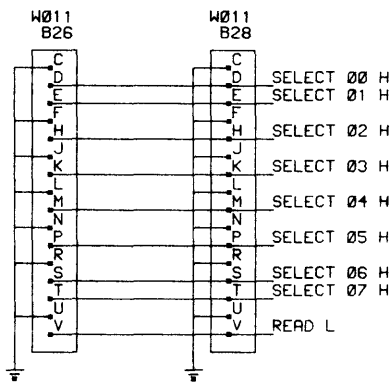


G711 100 OHM TERMINATIONS IN: RF AND LAST RS

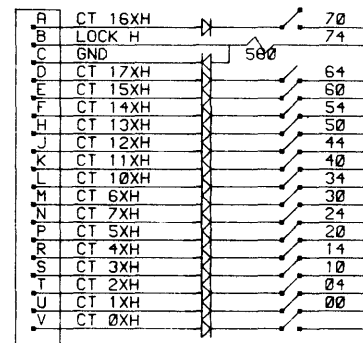


WRITE LOCKOUT SWITCHES XY

G723 CLAMPED TERMINATIONS IN LAST RS



W033  
A19



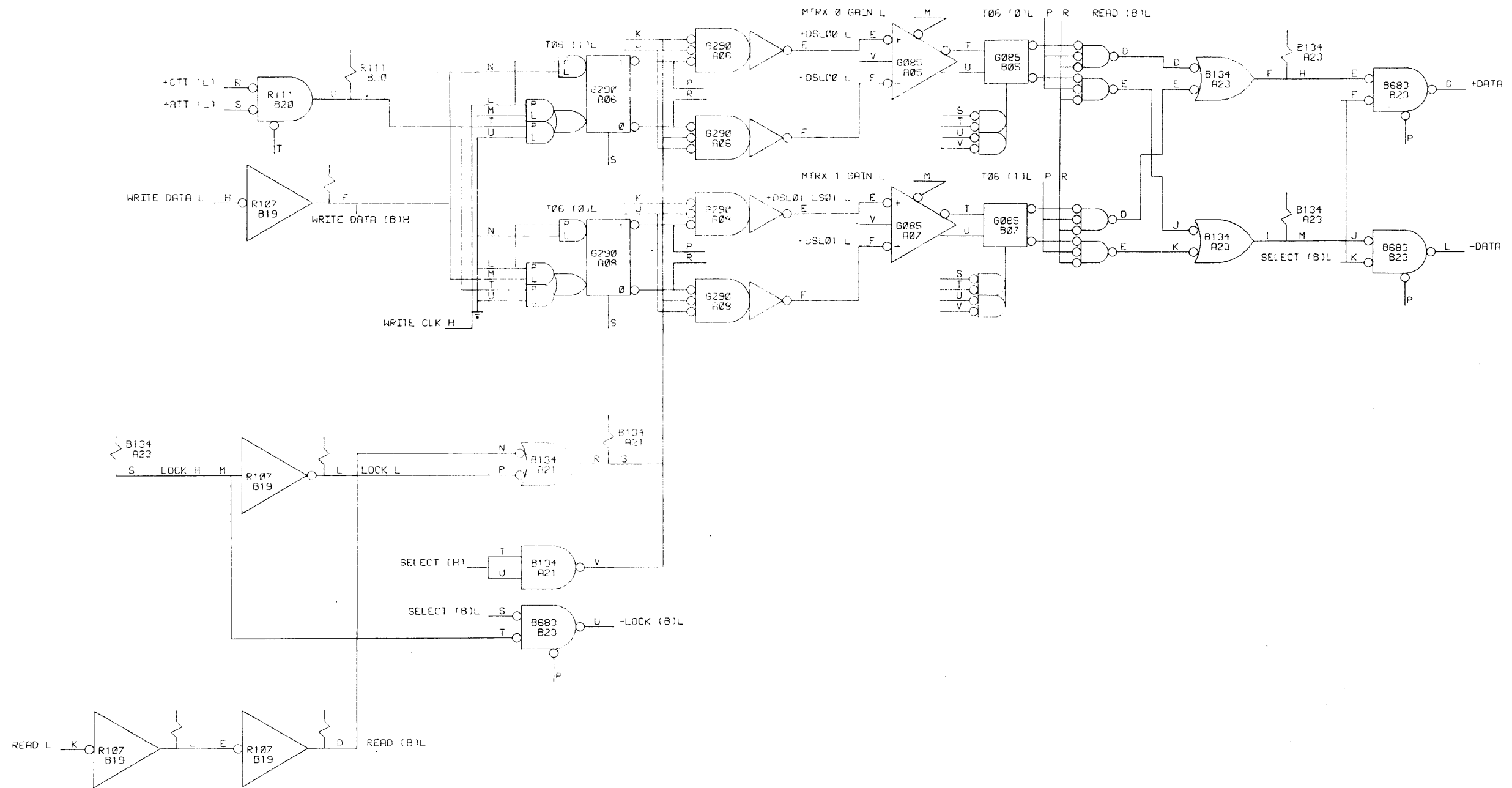
OPEN-WRITE ENABLED  
CLOSED-WRITE DISABLED

REVISIONS		
CHK	CHANGE NO.	REV.
70	RS09-00006	A
	Change Number 12/10/69	
	12-10-69	


DRN. K. BOGGS	DATE 9/22/69		TITLE
CHK'D. M. RHEAULT	DATE 1/22/69		CONTROL UNIT CONNECTORS
ENG. E.D. KING	DATE 9/22/69		
PROJ. ENG. D.G. VONADA	DATE 9/22/69		
PROD. C.B. TCMPEKINS	DATE 9/22/69		
FIRST USED ON			
RS09	SIZE CODE D BS	NUMBER RS09-0-4	REV. A
SCALE			
SHEET 1	OF 1	DIST.	

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8 7 6 5 4 3 2



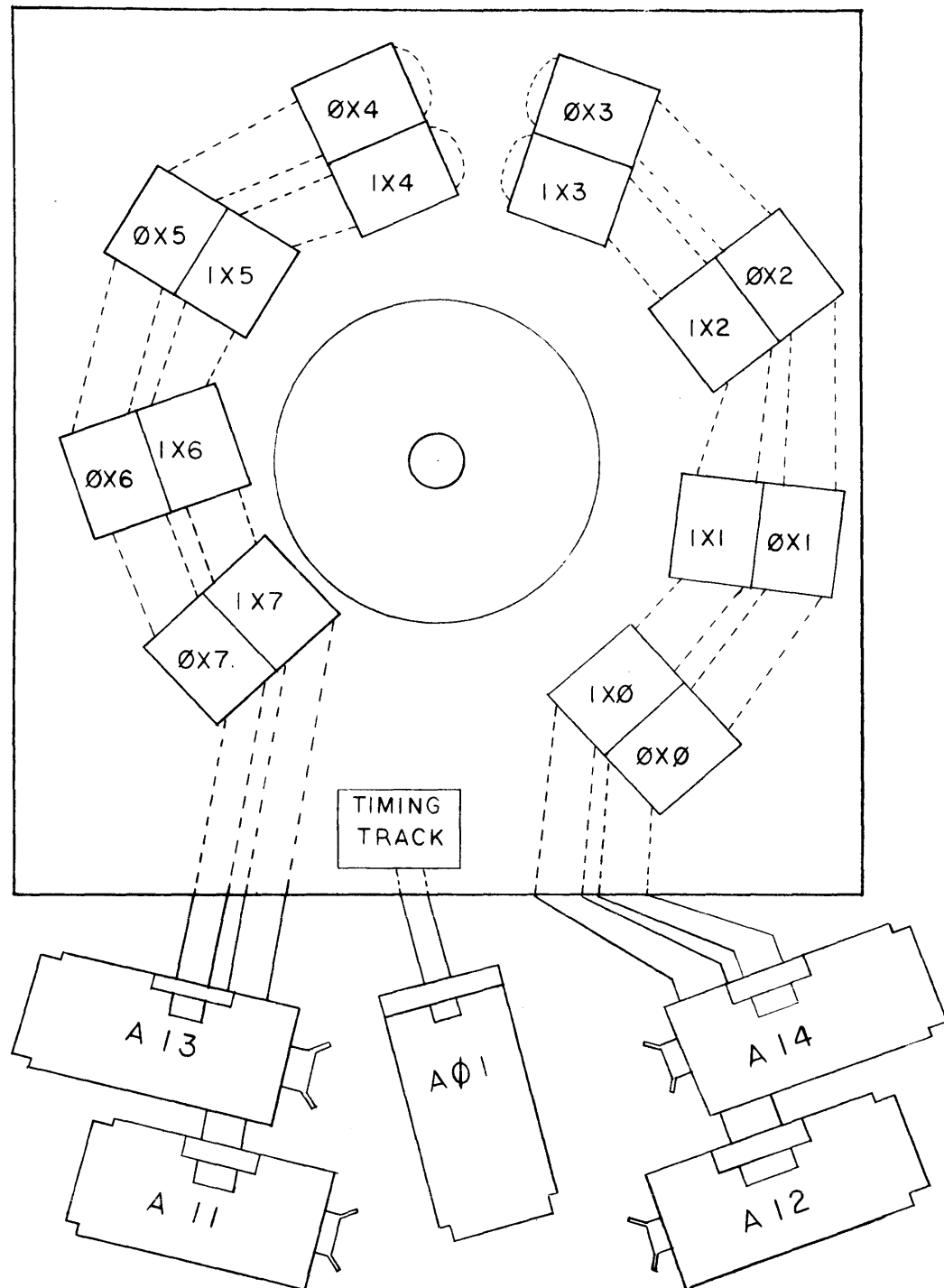
REVISIONS		
CHK	CHANGE NO.	REV.
7/1	RS09-00006	A
	12/10/69	
	12-15-69	

DRN. K. BOGGS	DATE 9/22/69	 <b>digital EQUIPMENT CORPORATION</b> <small>MAYNARD, MASSACHUSETTS</small>
CHKD. N. RHEAULT	DATE 9/22/69	
ENG. E.D. KING	DATE 9/22/69	
PROJ. ENG. D.G. VONADA	DATE 9/22/69	
PROD. C.B. TOMPKINS	DATE 9/22/69	
FIRST USED ON		TITLE
RS09		CONTROL 2
SCALE	D BS	NUMBER
		RS09-0-5
SHEET 1 OF 1	DIST.	REV. A

8 7 6 5 4 3 2

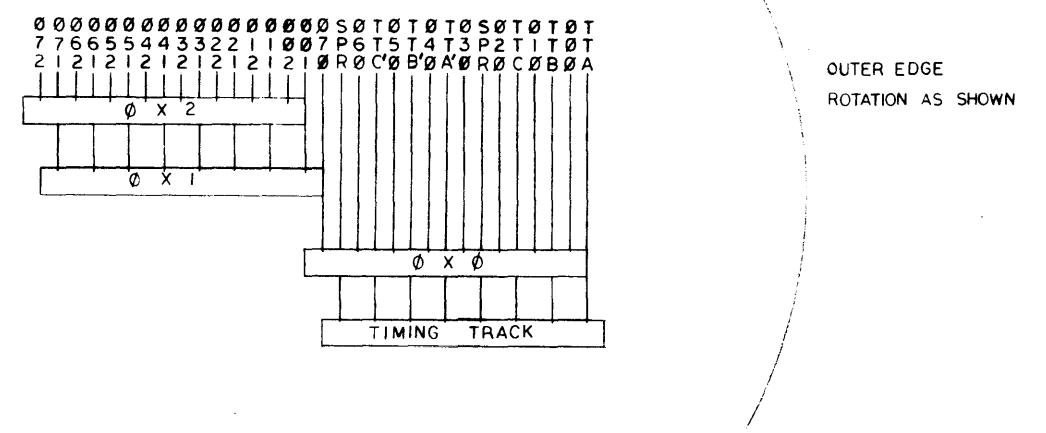
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TOP VIEW  
DISK REMOVED



TRACK INTERLACE SCHEME

HEAD	INTERLACES	HEAD
T. TRACK		Ø X Ø
Ø X 1		Ø X 2
Ø X 3		Ø X 4
Ø X 5		Ø X 6
Ø X 7		1 X Ø
1 X 1		1 X 2
1 X 3		1 X 4
1 X 5		1 X 6
1 X 7		—

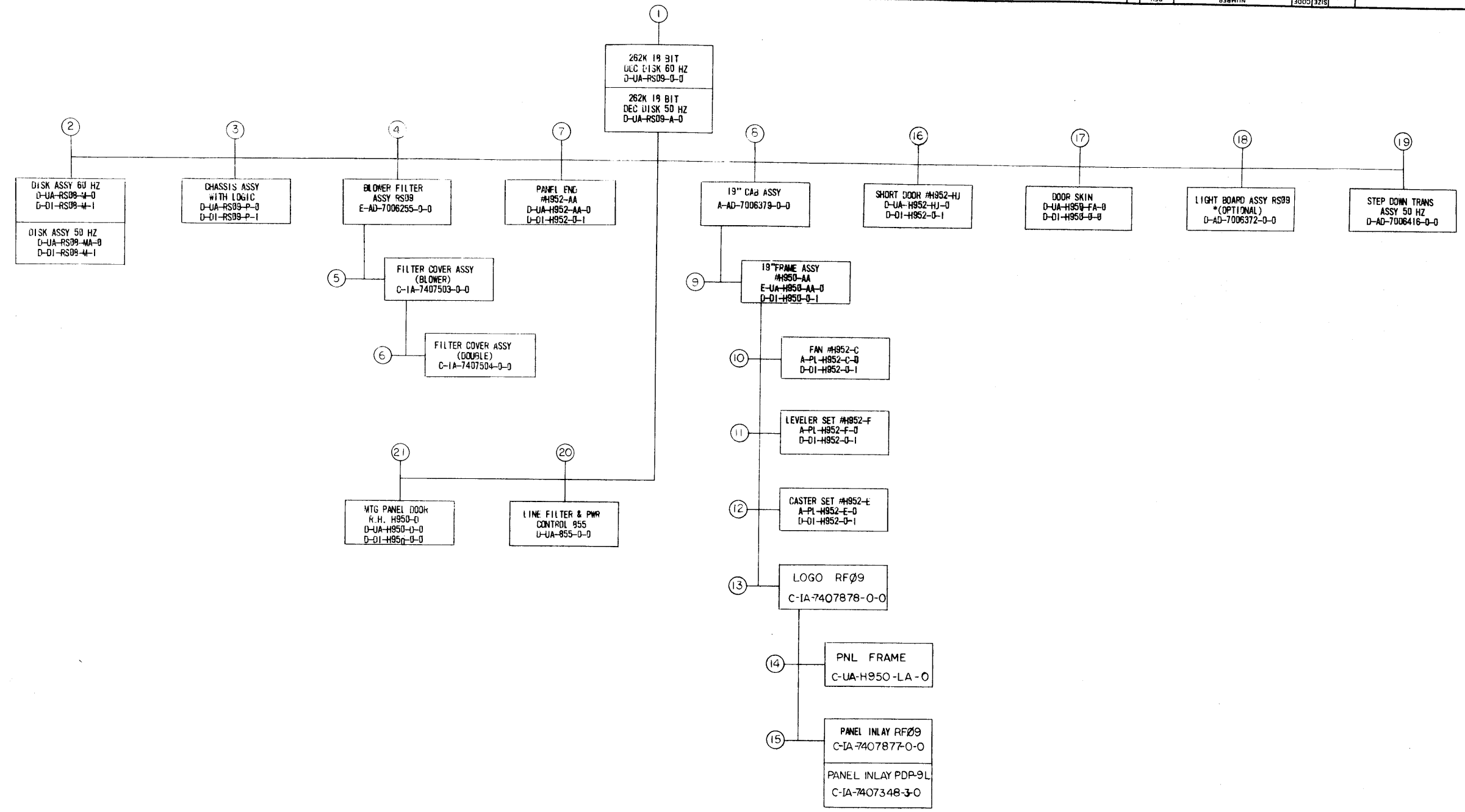


REV.	CHANGE NO.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RS09-0				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN.	DATE	 EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED	CHK'D.	DATE		
DIMENSION IN INCHES	ENG.	DATE		
TOLERANCES	PROJ. ENG.	DATE		
DECIMALS FRACTIONS ANGLES	PROD.	DATE	TITLE (RS09)	
± .005 ± 1/64 ± 0°30'			LOCATION CHART	
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS			TRACK, HEAD, CABLE	
MATERIAL	NEXT HIGHER ASSY		SIZE CODE	NUMBER
	A-ML-RS09-0		D I C	RS09-0-7
FINISH	SCALE	NONE	DIST.	
	SHEET	1 OF 1		

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8-0-60SH10 2  
 NUMBER 3000 3215



\* NOT A PRODUCTION PART - USED FOR TEST PURPOSES ONLY.

CHK	CHANGE NO	REV
	RS09-00004	A
	RS09-00008	B
	RS09-00014	C
	RS09-00019	D
	RS09-00022	E

FIRST USED ON OPTION/MODEL  
 RS09-0

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			
<b>digital</b> EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
TITLE DRAWING INDEX LIST RS09-0			
NEXT HIGHER ASSY A-N-H-PS09-0		SCALE 1 OF 2	REV E
SHEET 1 OF 2		DIST.	

REV E  
 NUMBER D I R S 0 9 - 0 - 8  
 SIZE CODE B

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8-0-6058 2

MECHANICAL			DEPT USAGE			MECHANICAL			DEPT USAGE			ELECTRICAL			DEPT USAGE			ELECTRICAL			DEPT USAGE																																																																																																																				
FIND NO	DESCRIPTION	PART NO	PROD	CUST	F C	FIND NO	DESCRIPTION	PART NO	PROD	CUST	F C	FIND NO	DESCRIPTION	PART NO	PROD	CUST	F C	FIND NO	DESCRIPTION	PART NO	PROD	CUST	F C																																																																																																																		
1	262K 19 BIT DEC DISK 60 HZ 262K 19 BIT DEC DISK 50 HZ 262K 19 BIT DEC DISK (P.L.) PLATE, MTG BLOWER SUPPORT SPACER, CHASSIS (OPTIONAL) POWER PANEL DECAL 60 HZ POWER PANEL DECAL 50 HZ CABLE WØ21 TO WØ11 9FT PANEL BLANK PACKAGING INSTRUCTIONS FILTER FILTER FRAME	D-UA-RSØ9-Ø-Ø D-UA-RSØ9-A-Ø A-PL-RSØ9-B-Ø D-MD-74Ø7235-Ø-Ø D-MD-74Ø7Ø13-Ø-Ø C-MD-74Ø7442-Ø-Ø A-DC-74Ø67Ø7-Ø-Ø A-DC-74Ø67Ø7-Ø-Ø C-IA-7ØØ562Ø-4-Ø B-51ØØ A-PI-37ØØØØ6-Ø-Ø D-IA-74Ø9Ø12-Ø-Ø D-IA-74Ø9Ø13-Ø-Ø				10	FAN H952-C DWG INDEX LIST	A-PL-H952-C-Ø D-Ø1-H952-Ø-Ø				1	262K 19 BIT DEC DISK 60 HZ 262K 19 BIT DEC DISK 50 HZ CONTROL 1 TRACK SELECT MATRIX Ø TRACK SELECT MATRIX 1 CONTROL UNIT CONNECTORS CONTROL 2 WIRE LIST MODULE UTILIZATION MODULE UTILIZATION LIST LOC CHART, TRACK HEAD, CABLE POWER WIRING AC DC RFØØ RSØ9 ARRANGEMENT HAND WRAP WIRE LIST HAND WRAP ROUTING RSØØ CALIBRATION PROCEDURE	A-ML-RSØ9-Ø A-ML-RSØ9-A D-BØ-RSØ9-Ø-1 D-BØ-RSØ9-Ø-2 D-BØ-RSØ9-Ø-3 D-BØ-RSØ9-Ø-4 D-BØ-RSØ9-Ø-5 K-ML-RSØ9-Ø-WL D-MJ-RSØ9-Ø-9 A-PL-RSØ9-Ø-9 D-IC-RSØ9-Ø-7 D-IC-RFØ9-Ø-35 D-AR-RFØ9-Ø-37 A-WL-RSØ9-Ø-1Ø C-WD-RSØ9-Ø-11 A-SF-R-Ø-Ø-Ø-12				2	DISK ASSY 60 HZ DISK ASSY 50 HZ DISK ASSY (P.L.) DWG INDEX LIST	D-UA-RSØ9-M-Ø D-UA-RSØ9-MA-Ø A-PL-RSØ9-M-Ø D-Ø1-RSØ9-M-1				2	DISK ASSY RSØ9-M-Ø DISK ASSY RSØ9-MA-Ø	A-ML-RSØ9-M A-ML-RSØ9-MA				3	CHASSIS ASSY WITH LOGIC CHASSIS ASSY WITH LOGIC (P.L.) DWG INDEX LIST	D-UA-RSØ9-P-Ø A-PL-RSØ9-P-Ø D-Ø1-RSØ9-P-1				3	CHASSIS ASSY LOGIC	A-ML-RSØ9-P				4	BLOWER FILTER ASSY RSØ9 BLOWER FILTER ASSY RSØ9 (P.L.) FILTER FRAME RETAINER SCREEN, PREFILTER PLATE, MTG SIDE CONTAINER, FILTER	E-AD-7ØØ6255-Ø-Ø A-PL-7ØØ6255-Ø-Ø C-MD-74Ø9Ø14-Ø-Ø B-MD-74Ø7182-Ø-Ø D-IA-74Ø7237-Ø-Ø D-IA-74Ø7236-Ø-Ø				4	PANEL INLAY PDP 9L PANEL INLAY RFØ9	C-IA-74Ø7349-3-Ø C-IA-74Ø7877-Ø-Ø				4	BLOWER FILTER ASSY	E-AD-7ØØ6255-Ø-Ø				5	FILTER COVER ASSY BLOWER COVER, FILTER	C-IA-74Ø75Ø3-Ø-Ø D-MD-74Ø7256-1-Ø				5	SHORT DOOR H952-HJ SHORT DOOR (P.L.) DWG INDEX LIST	D-UA-H95Ø-HJ-Ø A-PL-H95Ø-HJ-Ø D-Ø1-H95Ø-Ø-1				19	STEP DOWN TRANS ASSY	D-AD-7ØØ6416-Ø-Ø				6	FILTER COVER ASSY (DOUBLE) COVER, FILTER	C-IA-74Ø75Ø4-Ø-Ø D-MD-74Ø7256-2-Ø				17	DOOR SKIN H95Ø-FA-Ø DOOR SKIN (P.L.) DWG INDEX LIST	D-UA-H95Ø-FA-Ø A-PL-H95Ø-Ø-Ø D-Ø1-H95Ø-Ø-1				20	LINE FILTER & PWR CONT 955 CIRCUIT SCHEMATIC 955	D-UA-955-Ø-Ø C-CS-955-Ø-Ø				7	PANEL, END H952-AA PANEL, END (P.L.) DWG INDEX LIST	D-UA-H952-AA-Ø A-PL-H952-B-Ø D-Ø1-H952-B-1				18	LIGHT BOARD ASSY RSØ9 (OPTIONAL) LIGHT BOARD ASSY RSØ9 (P.L.)	D-AD-7ØØ6372-Ø-Ø A-PL-7ØØ6372-Ø-Ø				19	STEP DOWN TRANS ASSY (50 HZ) STEP DOWN TRANS ASSY (50 HZ) (P.L.) PANEL, TRANSFORMER BRACKET, TRANSFORMER	D-AD-7ØØ6416-Ø-Ø A-PL-7ØØ6416-Ø-Ø D-IA-74Ø75ØØ-Ø-Ø D-IA-74Ø7493-Ø-Ø				8	19" CAB ASSY 19" CAB ASSY (P.L.)	A-AD-7ØØ6379-Ø-Ø A-PL-7ØØ6379-Ø-Ø				20	LINE FILTER & PWR CONT 955 LINE FILTER & PWR CONT 955 (P.L.)	D-UA-955-Ø-Ø A-PL-955-Ø-Ø				9	19" FRAME ASSY H95Ø-AA 19" FRAME ASSY (P.L.) DWG INDEX LIST	E-UA-H95Ø-AA-Ø A-PL-H95Ø-Ø-Ø D-Ø1-H95Ø-Ø-1				21	MTG PANEL DOOR R.H. #H95Ø-Ø MTG PANEL DOOR R.H. #H95Ø-Ø (P.L.) DWG INDEX LIST	D-UA-H95Ø-Ø-Ø A-PL-H95Ø-Ø-Ø D-Ø1-H95Ø-Ø-Ø			

REV  
CHK  
MATERIALS  
CHANGE IN

FIRST USED ON OPTION / MODEL  
+ + +

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  
SCALE  
SHEET 2 OF 2

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DRN.	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
CHK'D.	DATE	TITLE	
ENG.	DATE	DRAWING INDEX LIST RSØ9-Ø	
PROJ. ENG.	DATE	SIZE CODE	NUMBER
PROD.	DATE	D-1	RSØ9-Ø-8
NEXT HIGHER ASSY		DIST.	

REV E  
NUMBER  
D-1 RSØ9-Ø-8





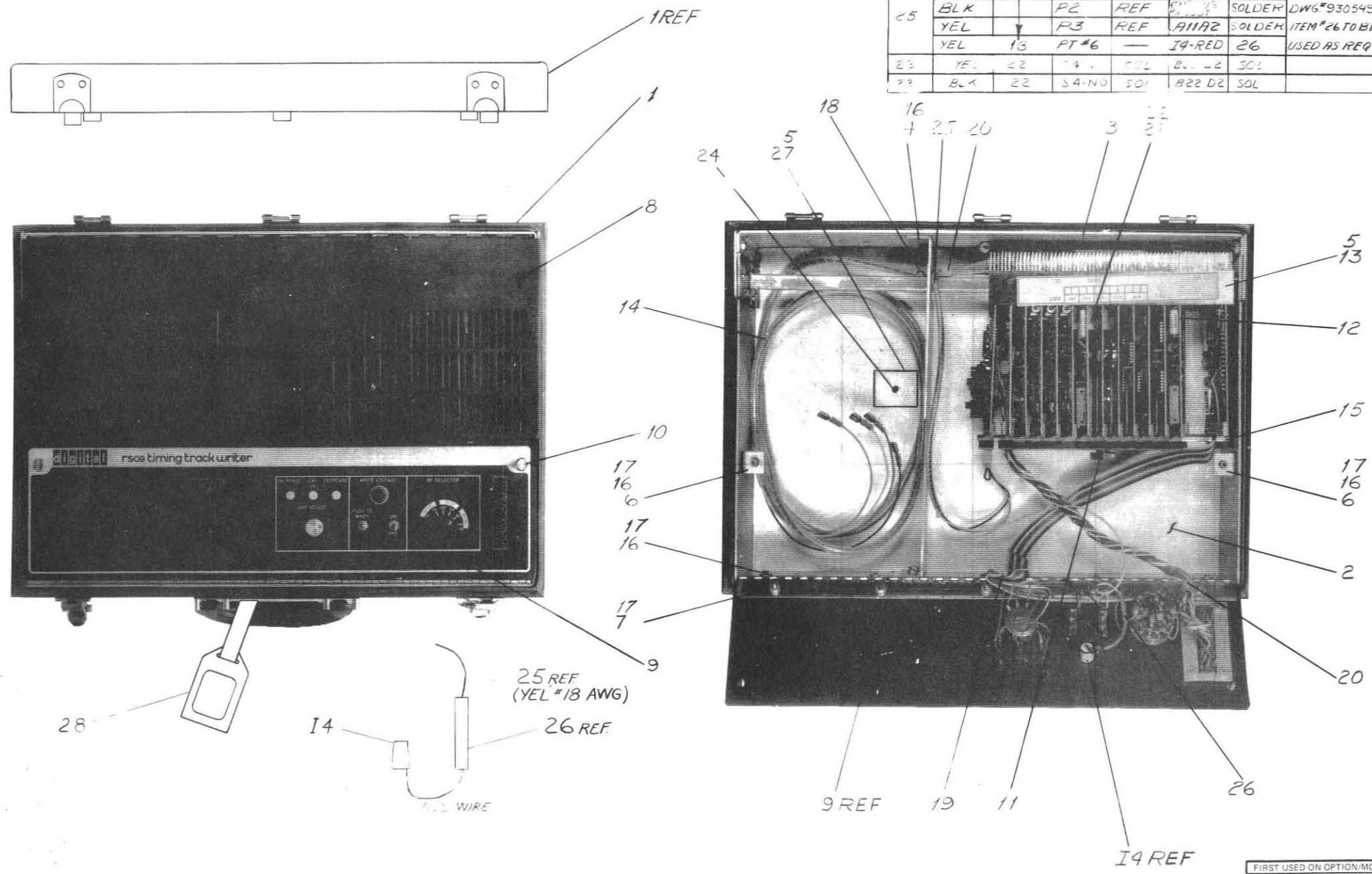




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WIRE TABLE							
ITEM NO.	DESCRIPTION	FROM	TO	REMARKS			
14	YEL #13	---	A11A2	SOLDER			
14	BLK	---	B11B2	SOLDER			
14	BLU	---	B11B2	SOLDER			
14	RED	---	B12A2	SOLDER			
25	RED	P1	REF	E12A2	SOLDER	SEE HARNESS	
	BLK	P2	REF	S11A2	SOLDER	DWG#9305492-0-0	
	YEL	P3	REF	A11A2	SOLDER	ITEM#26 TO BE	
	YEL	13	PT#6	I4-RED	26	USED AS REQ'D.	
23	YEL	22	4	COL	B11B2	SOL	
23	BLK	22	34-NO	501	B22 D2	SOL	

NOTES:  
 1. REMOVE EXISTING SCREW FROM LOGIC AND REPLACE WITH ITEM#22 TO MOUNT ITEM#21  
 2. FOR DWG DIRECTORY REFER TO DWG. B-DD-RS09-TA



QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	I.D. LUGGAGE TAG	2919682	28
1	BRACKET, TESTER SWITCH	9605890-0-0	27
1	SPLICE BUTT, AMP 34071	9006782	26
1	DC POWER HARNESS	DIA-9305492-0-0	25
1	SPST MICRO SWITCH	1201168	24
AIR	YEL/BLK TWP I.PVC#2276	9107420-04	23
2	SCRW, PHL FILL HD#8-32X1 1/2 LG.	9007799-6	22
1	CABLE RETAINING BLOCK (NYLON)	1209850	21
3	CLAMP, CABLE 3/8 DIA.	9007083	20
1	TIE WRAP, SCREW DOWN	9007033	19
2	SCR, PHL PAN HD#8-32X1 1/2 LG.	9006039-1	18
17	KEP NUT #8-32	9006563	17
20	SCR, PHL FLAT HD#8-32X3/8 LG.	9006037-2	16
1	MODULE HOLDOWN BRKT	DIA-36057962-0	15
1	POWER CABLE, RS09-TA	DIA-9305501-0	14
1	WIRED ASSY, RS09-TA	DAD-7006493-0-0	13
1	MODULE PARTS LIST	A-PL-RS09-TA-1	12
1	MODULE RETAINER SCREW	7405692	11
2	FASTENER, SOUTHCO#58-21-310-29	9008430	10
1	CONT PANEL ASSY, (RS09-TA)	D-AD-3305486-0-0	9
1	COVER, CHASSIS	EIA-9605714-0-0	8
1	HINGE, TESTER CONT PANEL	D-MD-9605710-0-0	7
2	BRACKET, TESTER CHASSIS	CIA-9605712-0-0	6
10	POP RIVETS AD43 B3	9006509	5
1	DIVIDER BRKT, TESTER	DIA-9605713-0-0	4
1	BACK PANEL, TESTER	DIA-9605714-0-0	3
1	CHASSIS, TESTER	EIA-9605709-0-0	2
1	CASE TESTER	2919153	1

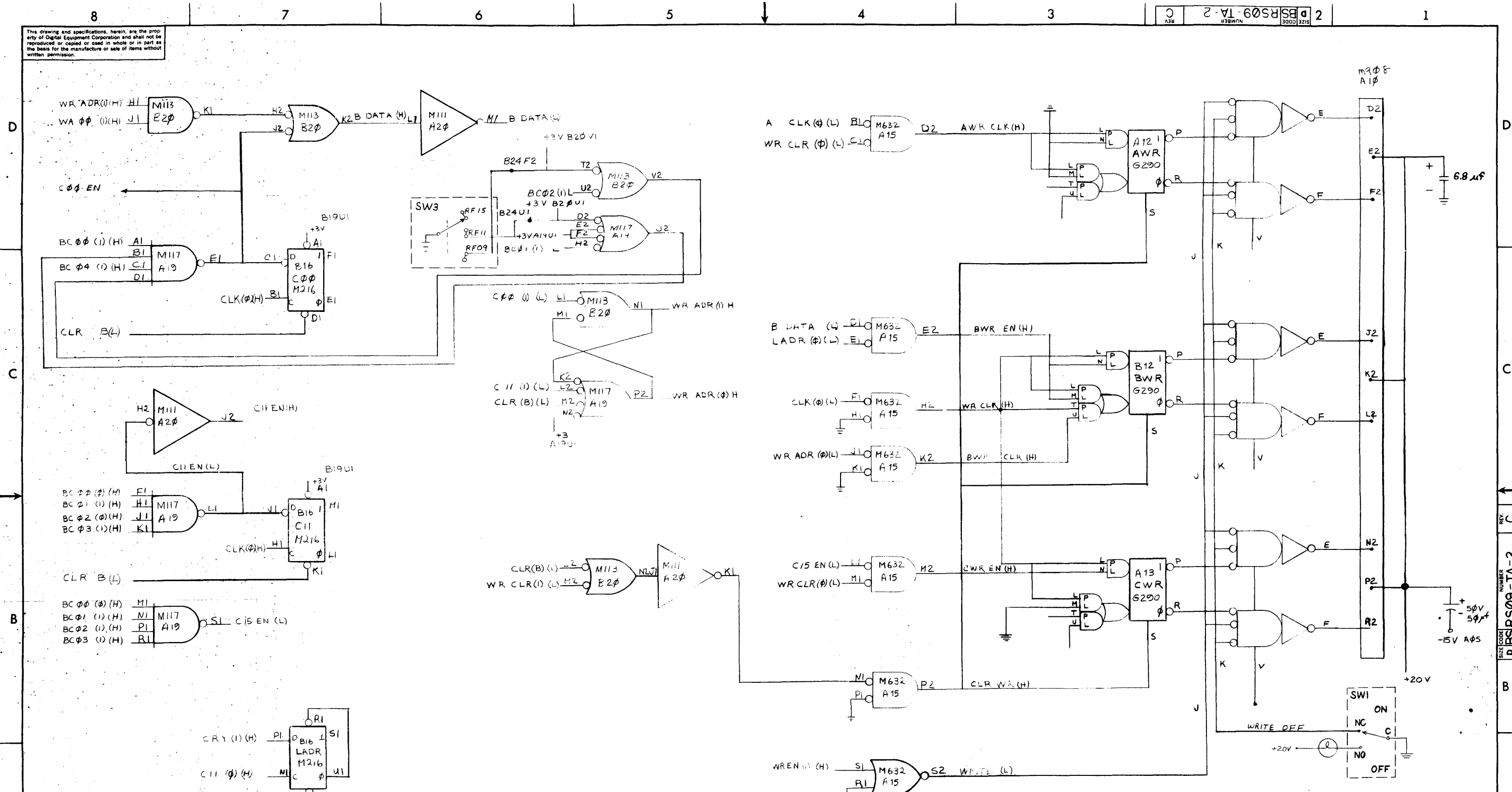
REV	DESCRIPTION
1	ISSUED & REDAWN
2	ALL
3	VONADA

FIRST USED ON OPTION/MODEL RS09-TA	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN	DATE	PARTS LIST	
DECIMALS .XXX - .005	CHK'D	DATE	TITLE	
ANGLES X - 1	ENG	DATE	TIMING TRACK WRITER TESTER (RS09-TA)	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROJ ENG	DATE	EQUIPMENT CORPORATION	
MATERIAL	PROJ	DATE	MAYNARD MASSACHUSETTS	
FINISH	NEXT HIGHER ASSY.	DATE	SIZE CODE NUMBER REV	
	B-DD-RS09-TA	DATE	DUA RS09-TA-0 B	
	SCALE NONE	DATE	DIST. OF 1	
	SHEET OF	DATE		





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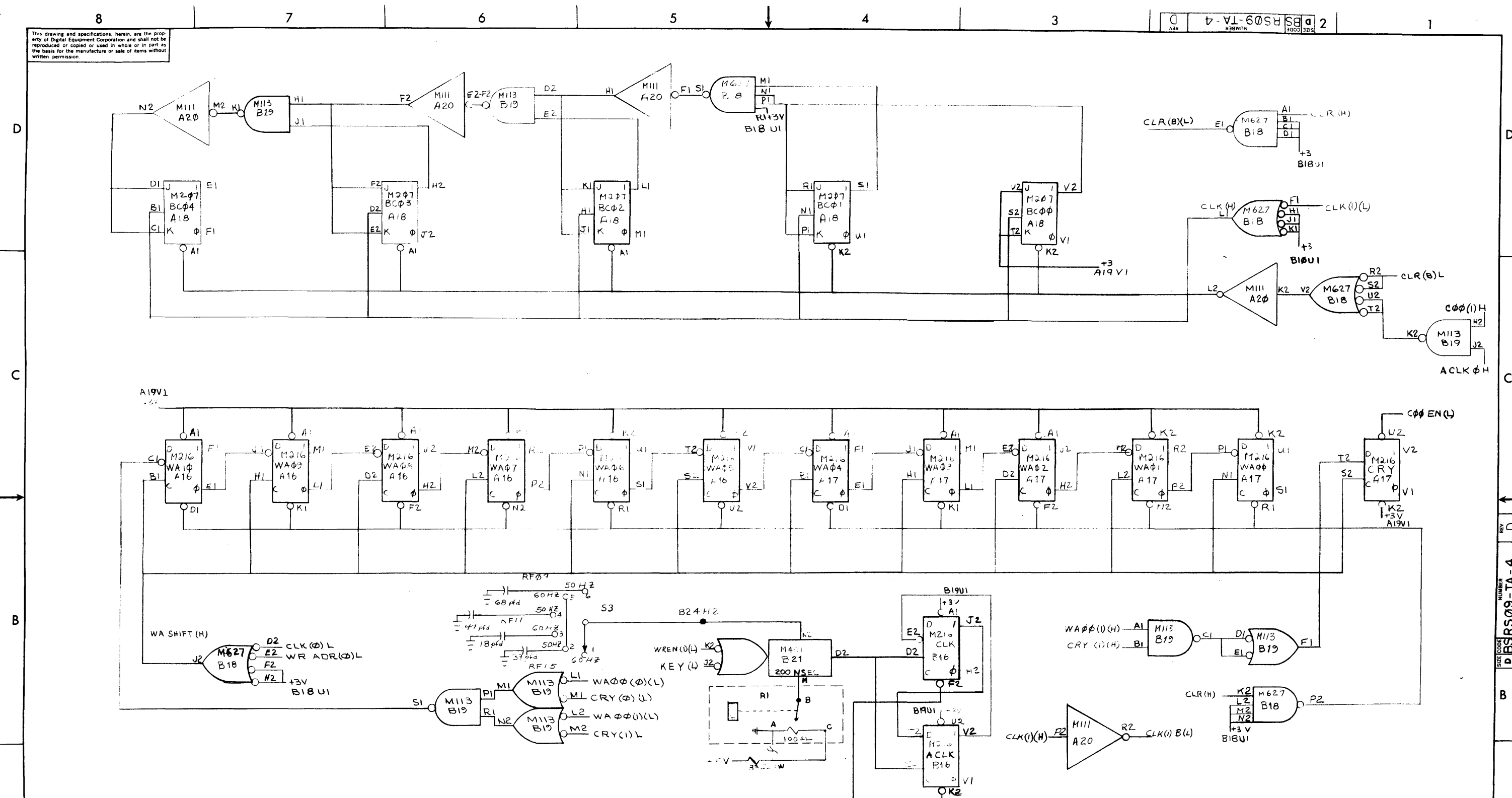
REV.	CHANGE NO.	DATE	BY	CHKD.
1		5-19-70		
2		5-15-70		
3		12-10-70		
4		12-10-70		
5		2-18-74		
6		4-21-74		

FRST USED ON OPT/MOD	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RS09-TA				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED	CHKD	DATE	TITLE	
TOLERANCES	ENG	DATE	(RS09) TTW	
DECIMALS FRACTIONS ANGLES	PROJ ENG	DATE	CONT.; PRIM.	
± .005 ± .164 ± .010	PROD	DATE	TRACK WRITERS	
FINAL SURFACE QUALITY			SIZE CODE NUMBER REV	
REMOVE BURRS AND BREAK SHARP CORNERS			B-DD-RS09-TA D BSR09-TA-2 C	
MATERIAL			SCALE	
			SHEET OF DIST.	





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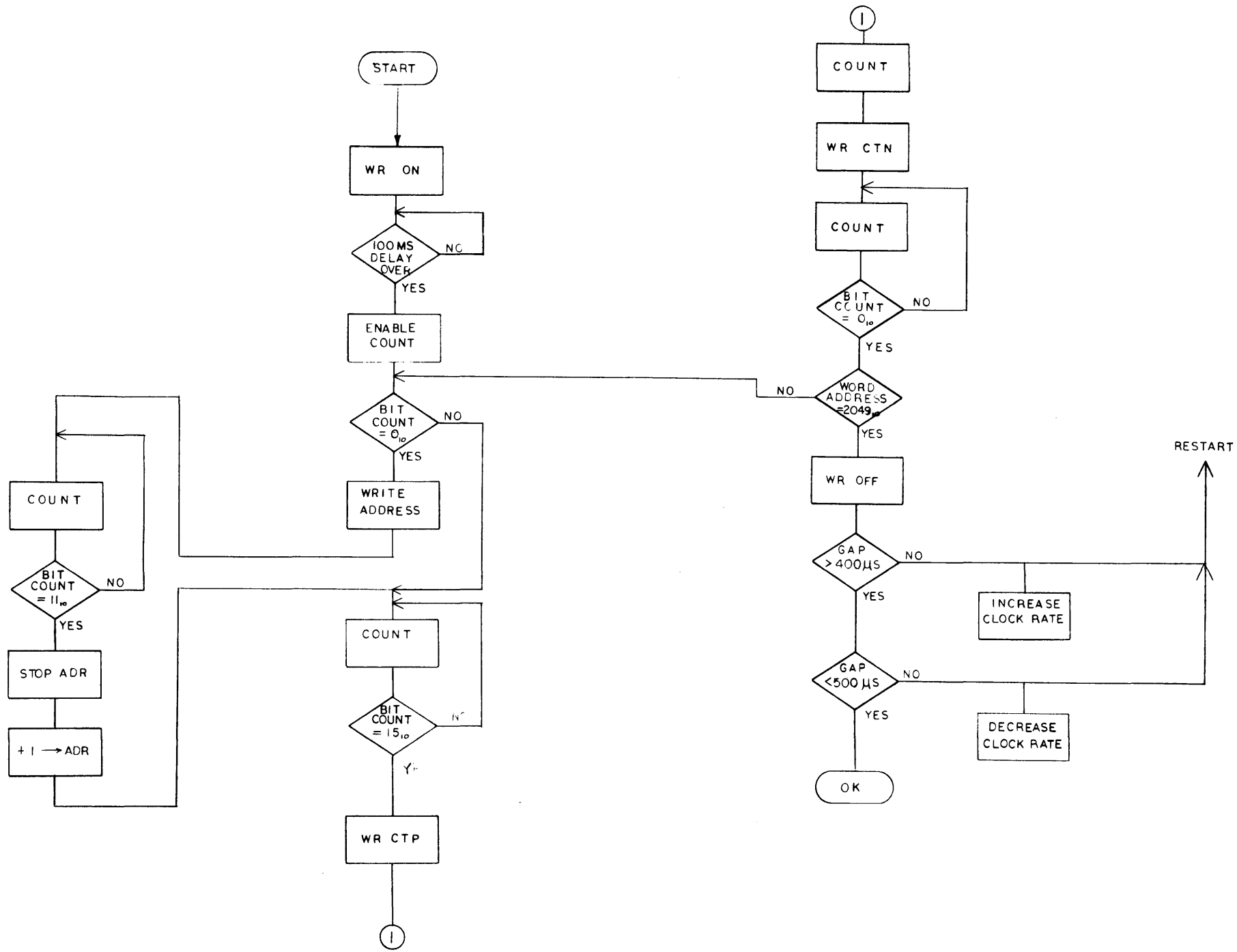


REV	DATE	BY	CHKD	DATE	BY
1	10-10-69				
2	10-10-69				
3	10-10-69				
4	10-10-69				
5	10-10-69				
6	10-10-69				
7	10-10-69				
8	10-10-69				

FIRST USED ON OPT/MOD	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RS09-TA				
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				
NEXT HIGHER ASSY.				
B-00-RS09-TA				
SCALE				
SHEET OF				
DIST				

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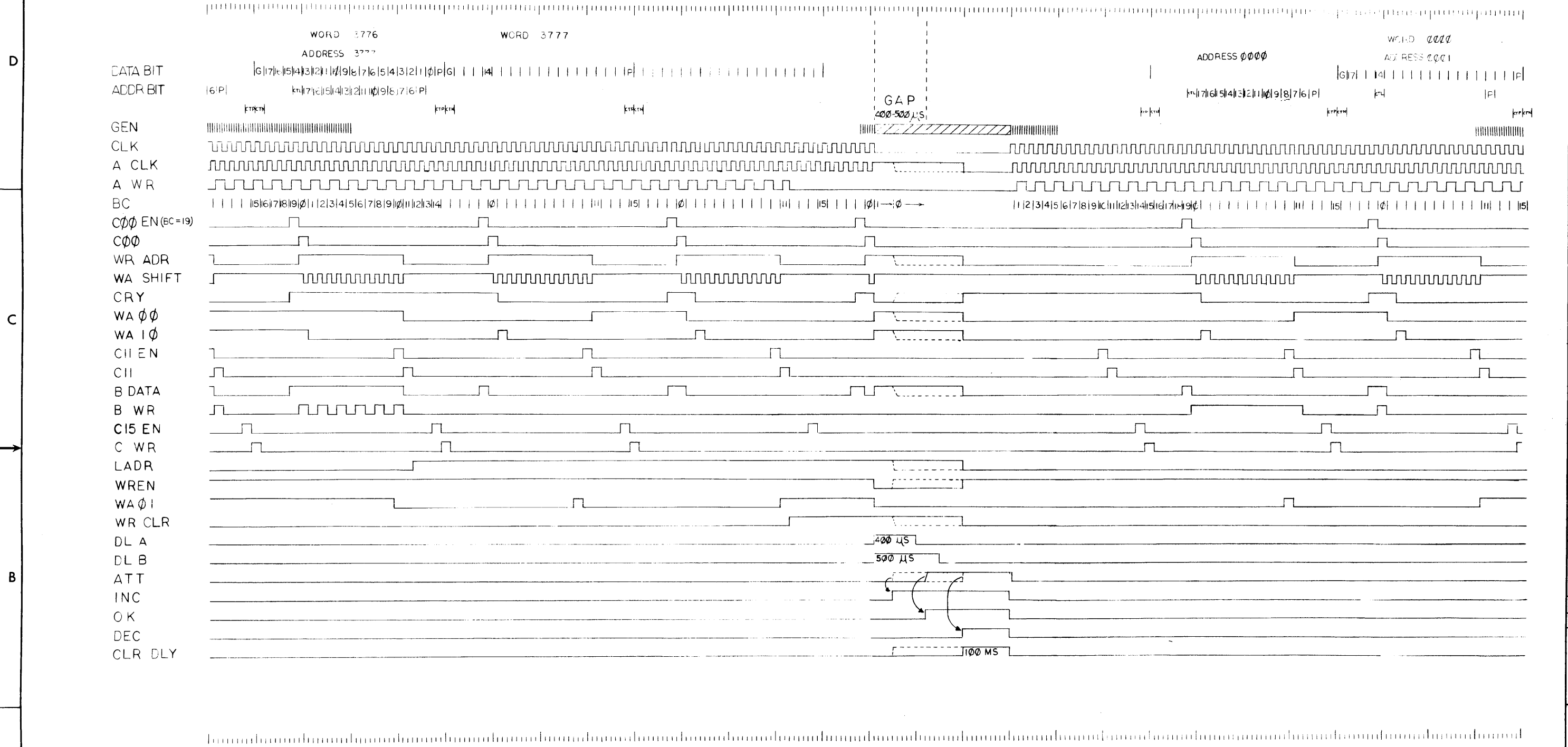
REV 2  
 NUMBER DFDRS09-TA-5  
 SIZE CODE



CHK	CHANGE NO.	REV
	RS09-TA-000005	A
D. VONADA		
1-20-72		

FIRST USED ON	CPT MOD	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RS09-TA					
PARTS LIST					
UNLESS OTHERWISE SPECIFIED	DRN	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
DIMENSION IN INCHES	CHK'D	DATE	TITLE		
TOLERANCES	ENG	DATE	RS09 TT WRITER		
DECIMALS FRACTIONS ANGLES	PROJ. ENG.	DATE	FLOW CHART		
± .005 ± 1/64 ± 0°30'	PROD.	DATE	SIZE CODE NUMBER REV.		
FINAL SURFACE QUALITY			A-MI-RS09-TA DFDRS09-TA-5 A		
REMOVE BURRS AND BREAK SHARP CORNERS			SCALE SHEET 1 OF 1		
MATERIAL	NEXT HIGHER ASSY		DIST.		
	A-MI-RS09-TA				
FINISH					

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CHK	CHANGE NO.	REV
	RS09TA-00005	A

REVISIONS

D. VONADA

FIRST USED ON	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RS09-TA				
UNLESS OTHERWISE SPECIFIED				
DRN.	DATE	PARTS LIST		
CHK'D.	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
ENG.	DATE	TITLE		
PROJ. ENG.	DATE	TIM. DIAG. STOP TIM. (RS09) TT WRITER		
PROD.	DATE	NEXT HIGHER ASSY		
MATERIAL		A-ML-RS09-TA		
FINISH		SCALE	SIZE CODE	NUMBER
		SHEET 1 OF 1	DITDRS09-TA-6	REV A

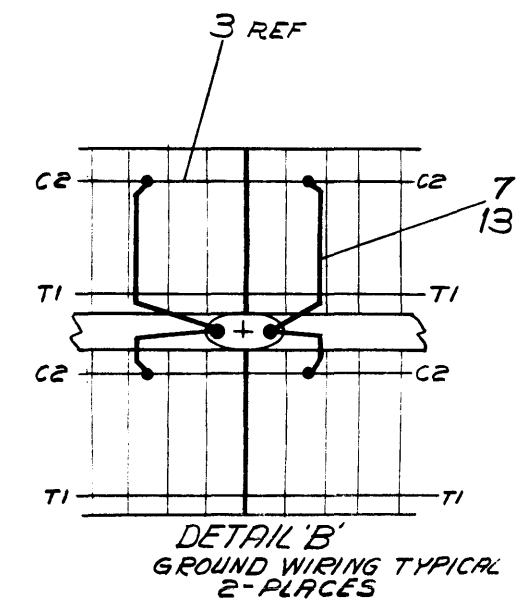
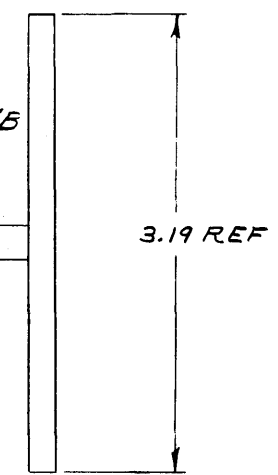
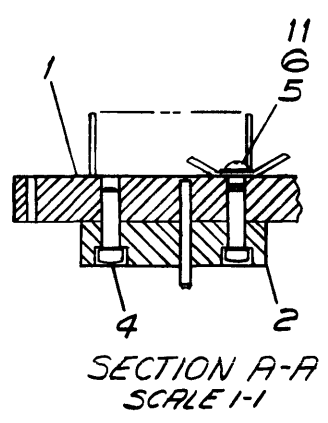
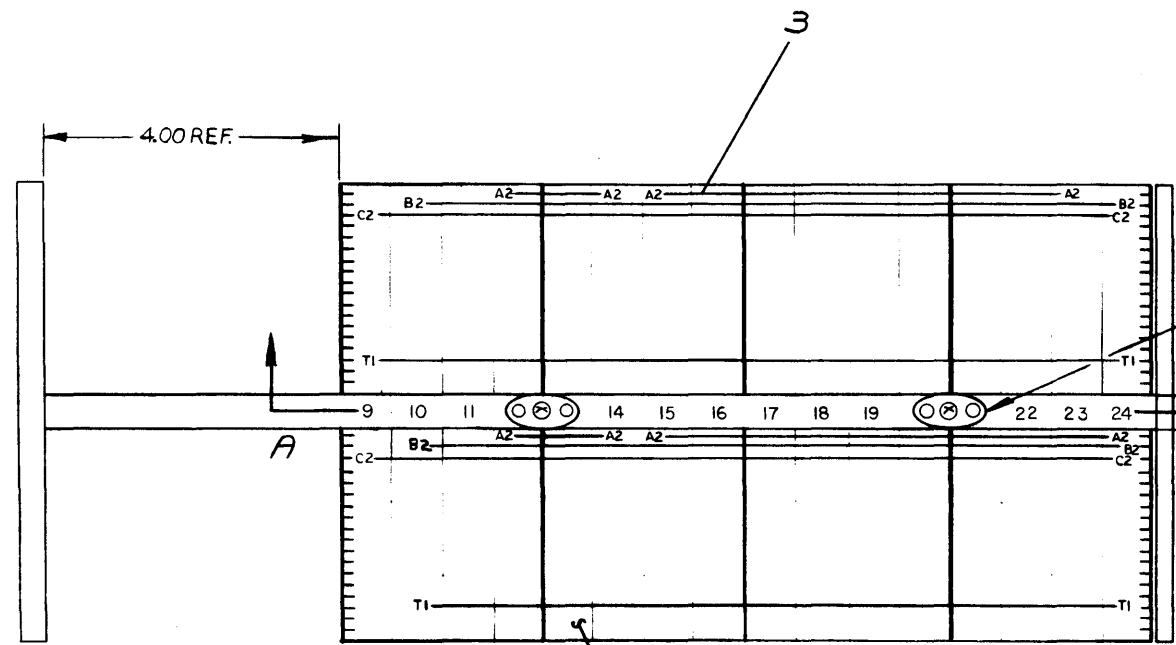
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0-0364900L 001 2

**EXTERNAL COMPONENT TABLE**

ITEM	COMP	POL	FROM	TO	POL	REMARKS
10	CAP	-	A21B1	A21B2	+	1NS WIRES/ITEM 7 USE TERMICLIPS ITEM #14
15	CAP	-	A10B2	A10B2	+	1NS WIRES/ITEM 16 USE TERMICLIPS ITEM #14
15	CAP	-	B10B2	A10B1	+	1NS WIRES/ITEM 17 USE TERMICLIPS ITEM #14
19	CAP	-	A10C2	A10E2	+	"
19	CAP	-	A13C2	A14A2	+	"
19	CAP	-	A22B2	A23C2	+	"
18	CAP	-	B22L2	B22M2	-	"

- NOTES:**
- ~~1. 1943 FRAME CASTING TO BE PAINTED BLACK PER SPEC # 9200130-34~~
  2. CONNECTIONS ON ITEM #3 & 13 TO BE LOCATED AND SOLDERED AT MINIMUM PRACTICAL HEIGHT ABOVE BLOCKS.
  3. CONNECTOR BLOCKS TO BE GROUNDED TO GROUND LUGS AS SHOWN, 2 PLACES
  4. JUMPER GROUND BUSSING AS SHOWN, 4 PLACES.
  5. USE YELLOW WIRE (ITEM #8) FOR MACHINE WRAPPED AND BLUE WIRE (ITEM #9) FOR HAND WRAPPED WIRING.
  6. LOGIC MUST BE MOUNTED UPSIDE DOWN.



**REVISIONS**

REV.	CHANGE NO.	REV.
A	RS09TA-00002	A
B	RS09TA-00006	B
C	RS09TA-00007	C
D	RS09TA-00001	D

**TOLERANCES DECIMAL**

XXX = ±.005  
XX = ±.02  
X = ±.1

**DO NOT SCALE DRAWING**

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES

**TOLERANCES**

DECIMALS: .005, .010, .015, .020, .030, .040, .050, .060, .070, .080, .090, .100, .150, .200, .250, .300, .375, .450, .500, .625, .750, .875, 1.000

ANGLES: 0°30'

FINAL SURFACE QUALITY: REMOVE BURRS AND BREAK SHARP CORNERS

**MATERIAL**

FINISH: SEE NOTE #1

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DRN: [Signature]		DATE: 8-28-69	
CHK: [Signature]		DATE: 8-28-69	
ENG: [Signature]		DATE: 8-28-69	
PROJ. ENG: [Signature]		DATE: 8-28-69	
PROD. [Signature]		DATE: 8-28-69	
NEXT HIGHER ASSY			
DUA-RS09-TA-0			
SCALE: #		SHEET: 1 OF 1	
SIZE CODE: DAD		NUMBER: 7006493-0-0	
DIST.		REV: D	

**digital EQUIPMENT CORPORATION**  
MAYNARD, MASSACHUSETTS

**WIRED ASSY (RS09-TA)**

SIZE CODE: P AD 7006493-0-0

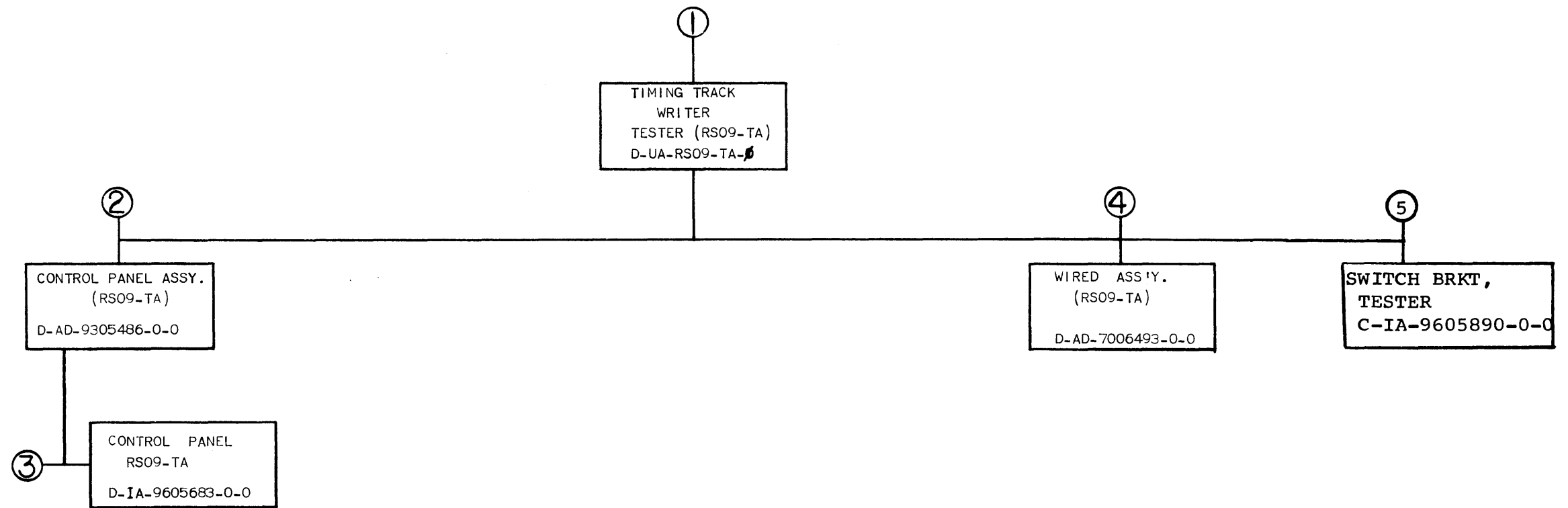
REV: D

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS <b>PARTS LIST</b>				QUANTITY/VARIATION																	
MADE BY J. DEVIN		CHECKED D. HEALY		SECTION 1		7006493-0															
DATE 8/28/69		DATE 9/16/69		ISSUED SECT. 1																	
ENG <i>D. Vanada</i>		PROD <i>R. Thompson</i>																			
DATE 10-8-69		DATE 1-13-69																			
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION																			
1	D-AD-9605733-0-0	1943 FRAME CASTING REWORK				1															
2	D-SC-1205348-0-0	288 PIN BLOCK #H803				4															
3	1205541	BUS STRIP				A/R															
4		SCR PHL HD FIL #8-32 X 5/8 SST				8															
5	9006035	SCR PHL HD PAN #8-32 X 1/4 SST				2															
6	9007597	TERMINAL #2116-08-0-0 SHAKEPROOF				2															
7	9107265-09	#22 TUBING, TEFLON, WHT				A/R															
8	9105740-44	#30 AWG SOLID TEF INS WIRE (YEL)				A/R															
9	9105740-66	#30 AWG SOLID TEF INS WIRE (BLU)				A/R															
10	1004812	CAPACITOR 15MFD 20V 10% S. TANT				1															
11	9006034	WASH INT TOOTH #8				2															
12	<del>A-DC-7406310-0-0</del>	<del>LOGIC FRAME DECAL WHT</del>				A/R															
13	9105760-01	#22 AWG BUS WIRE				A/R															
14	9007655	TERMI POINT CLIP#85952-3 AMP INC				6															
15	1000080	50 MFD 50V-10 + 75% S. TANT				2															
16	9107265-06	#22 TUBING TEFLON BLU				A/R															
17	9107265-01	#22 TUBING TEFLON BRN				A/R															
18	1000030	CAPACITOR, .1MFD 100V 20% DISC				1															
19	1000067	CAPACITOR, 6.8MFD 35V 20% S. TANT.				3															
REF	K-WL-RS09-TA-WL	WIRE LIST																			
TITLE WIRED ASSY (RS09-TA)				ASSY NO. D-AD-7006493-0-0		SIZE CODE A PL		NUMBER 7006493-0-0				REV. D		ECO NO. 7006493 00001							
				SHEET 1 OF 1		DIST.															

DEC FORM NO. DRA 110







TITLE	SHEET 2 OF 2	SIZE CODE	NUMBER	REV
TIMING TRACK WRITER TESTER		B DD	RS09-TA	H



CUSTOMER PRINT SET		ELECTRICAL					CUSTOMER PRINT SET		MECHANICAL						
RS09-TA	MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE	RS09-TA	MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE
X		1	D-MU-RS09-TA-1	C	1	MODULE UTILIZATION		X		1	D-UA-RS09-TA-0	B	1	TIMING TRACK WRITER TESTER	
X			A-PL-RS09-TA-1	C	1	MODULE UTILIZATION (PL)					E-1A-9605709-0-0		1	TESTER CHASSIS	
X			D-BS-RS09-TA-2	C	1	TTW CONT. PRIM. TRACK WRITERS					D-1A-9605714-0-0		1	BACK PANEL	
X			D-BS-RS09-TA-3	D	1	TTW CONT. GAP. DET. SPARE TRK. WRT.					D-1A-9605718-0-0		1	DIVIDER BRKT.	
X			D-BS-RS09-TA-4	D	1	TTW BC WA. CLK.					C-1A-9605712-0-0		1	BRKT. CHASSIS	
X			D-FD-RS09-TA-5	A	1	TTW WRITER FLOW CHART					D-MD-9605710-0-0		1	HINGE, TESTER PANEL	
X			D-TD-RS09-TA-6	A	1	TIMING DIAG. STOR. TIP. TTW WRITER		X			E-IA-9605711-0-0		1	COVER CHASSIS	
								X			D-IA-9305501-1-0	#	1	TESTER D.C. POWER CABLE	
								X			D-IA-9305492-0-0	#	1	D.C. POWER HARNESS	
											D-IA-9605796-2-0		1	MODULE HOLD DOWN BRKT.	
											C-IA-7405642-0-0		1	MODULE RETAINER SCREW	
								X		2	D-AD-9305486-0-0	#	1	CONTROL PANEL ASS'Y.	
X		4	D-AD-7006493-0-0	B	1	WIRED ASS'Y.		X			D-IA-7006522-0-0	#	1	CONTROL PANEL CABLE ASS'Y.	
X			A-PL-7006493-0-0	B	1	WIRED ASS'Y. (PL)		X			D-IA-9305491-0-0	#	1	DISK PLUG CABLE	
X			K-WL-RS09-TA-WL	D	1	WIRE LIST					B-MA-4908-0-0		1	4908 IND. LIGHT ASS'Y.	
											B-MD-9605726-0-0		1	HOLD DOWN BRKT. 36 PIN CONN.	
X			A-SP-RS09-TA-8		4	RS09-TA-TTW CHECKOUT AND TROUBLESHOOTING PROC.				3	D-IA-9605683-0-0		1	CONTROL PANEL	
											C-SS-9605683-0-1		1	SILK SCREEN	
										4	D-AD-7006493-0-0	C	1	WIRED ASSY.	
											A-PL-7006493-0-0	C	1	WIRED ASS'Y. (PL)	
											D-MD-9605733-0-0		1	CASTING FRAME REWORK	
											D-SC-1205348-0-0		1	288 PIN BLOCK	
										5	C-IA-9605890-0-0		1	SWITCH BRKT. TESTER	
											C-SS-9605890-0-1		1	SILK SCREEN	

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  
TIMING TRACK WRITER TESTER

SHEET 3 OF 3

SIZE CODE  
B DD

NUMBER  
RS09-TA

REV  
H

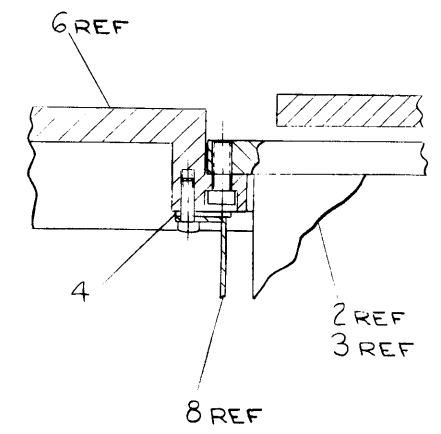


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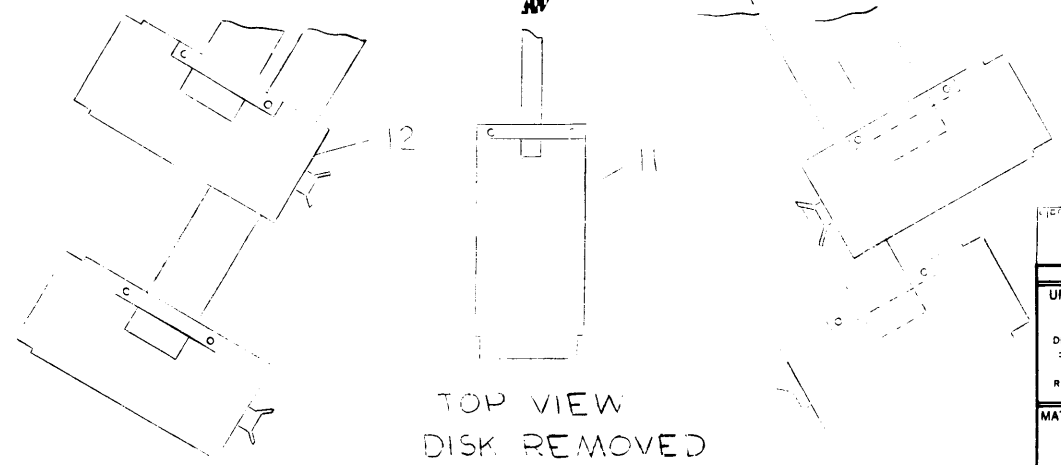
REV. D C-W-8088-MA

NUMBER	VARIATION
RS08-M	60 HZ
RS08-MA	50 HZ

- LEGEND
- NOTES:
- FOR DWG INDEX LIST REFER TO D D1-RS08-M-1.
  - APPLY TORQUE SEAL (BLUE) 2 PLACES IN SCREW LOCATIONS ON SIDES OPPOSITE.
  - AIR COVER (ITEM 36) TO BE ATTACHED TO UELP (ITEM 6) WITH RTV (ITEM 35.) MUST BE AN AIR-TIGHT SEAL.
  - MOTOR LOCK (ITEM 41) TO BE REMOVED AND ROTATED 180° AND REATTACHED TO MOTOR HOUSING WITH BRUSH ASSEMBLY IN CONTACT WITH MOTOR SHAFT EXTENSION BEFORE STARTING MOTOR.
  - BRUSH ASSEMBLY (ITEM 42) TO BE ASSEMBLED TO MOTOR LOCK (ITEM 41) USING ITEMS 43 & 44 (SEE DETAIL "A").



SECTION A-A



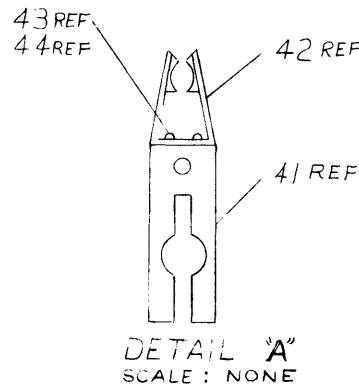
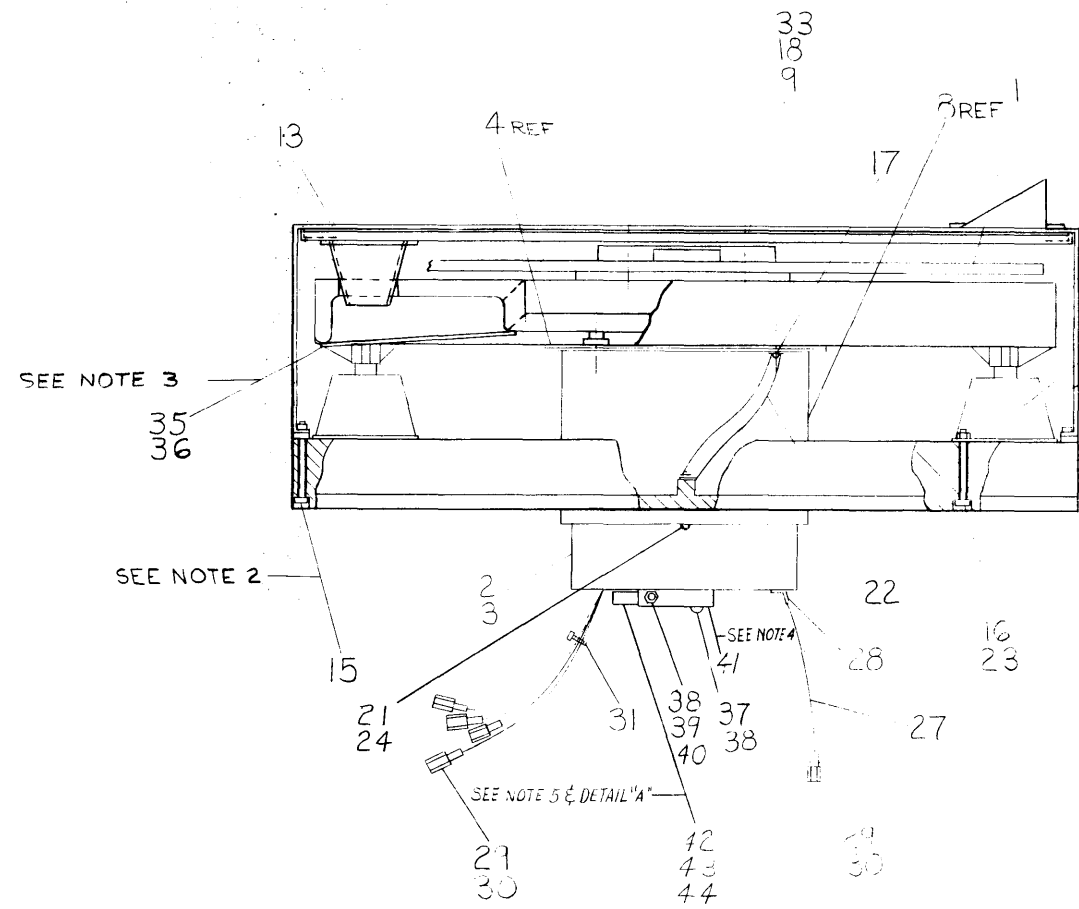
TOP VIEW DISK REMOVED

REV.	CHANGE NO.	DATE	BY	CHK'D.	DATE
1	0000				
2	0001				
3	0002				
4	0003				
5	0004				
6	0005				
7	0006				
8	0007				

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
TITLE		DISK ASSY RS08-M	
MATERIAL		SIZE	
FINISH		NUMBER	
SCALE		REV.	
SHEET 1 OF 2		D	

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30-W-04 SYM a 2  
3000 3215



QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
UNLESS OTHERWISE SPECIFIED		DRN.	DATE
UNLESS OTHERWISE SPECIFIED		CHK'D.	DATE
DIMENSION IN INCHES		ENG.	DATE
TOLERANCES		PRG. ENG.	DATE
DECIMALS	FRACTIONS	ANGLES	PROD.
± .005	± 1/64	± 0°30'	
FINAL SURFACE QUALITY		TITLE	
REMOVE BURRS AND BREAK SHARP CORNERS		DISK ASSY	
		'RS08-M	
MATERIAL	FIRST USED ON	SIZE CODE	NUMBER
		DUALRS08-M-0	
FINISH	SCALE	SHEET	REV
		2 OF 2	

REV	DESCRIPTION

REV D  
NUMBER  
DUALRS08-M-0

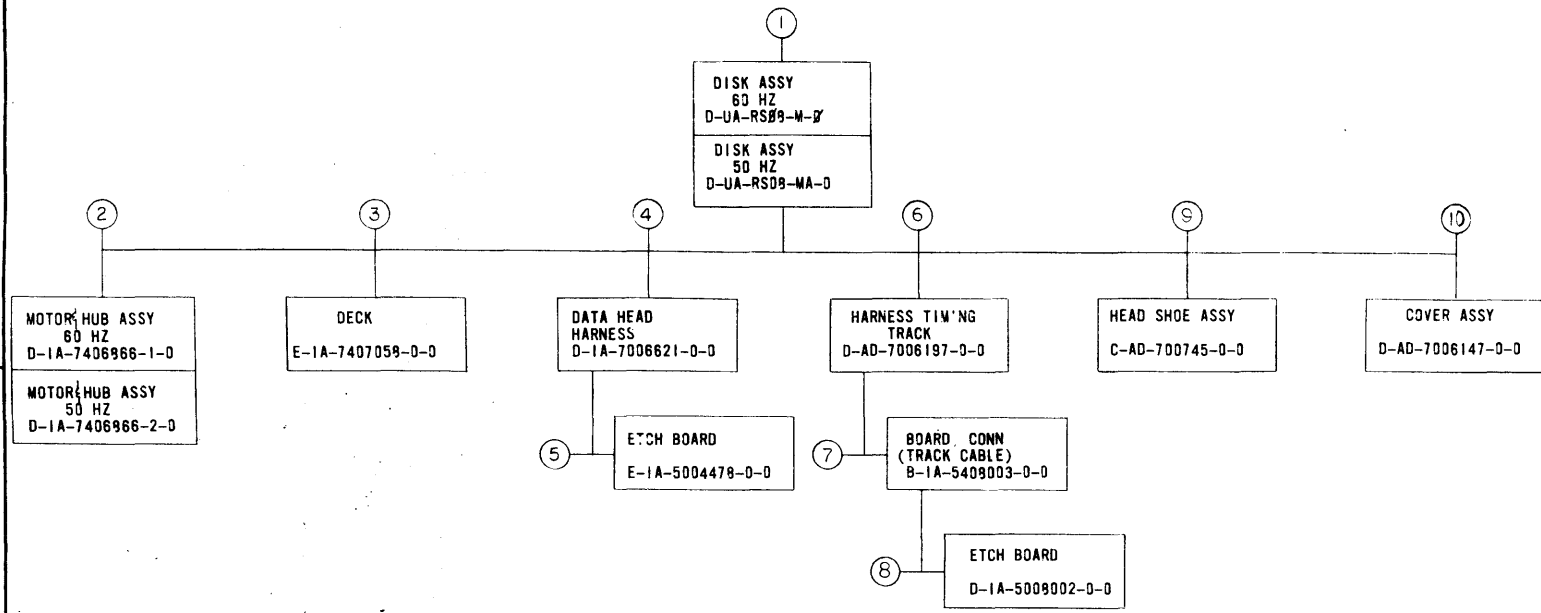
DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				QUANTITY/VARIATION											
PARTS LIST				RS08-M (60HZ)	RS08-MA (50HZ)										
MADE BY G. FLANDERS		CHECKED D. HEALY				SECTION									
DATE 3/25/69		DATE 3/26/69		1											
ENG <i>Wm Oms</i>		PROD <i>Wm Oms</i>		ISSUED SECT.											
DATE 4/10/69		DATE 4/10/69		1											
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION													
1	3005981	DISK		1	1										
2	D-IA-7406866-1-0	MOTOR & HUB ASSY (60HZ)		1											
3	D-IA-7406866-2-0	MOTOR & HUB ASSY (50HZ)			1										
4	B-MD-7407023-0-0	GASKET, BUNNEL		1	1										
5	B-MD-7408999-0-0	BUMPER, DISK		4	4										
6	E-IA-7407058-0-0	DECK		1	1										
7	E-IA-7407008-0-0	DECK MOUNTING, BOTTOM		1	1										
8	D-IA-7407024-0-0	FUNNEL		1	1										
9	C-MD-7407004-0-0	CAP, DISK		1	1										
10	1209319	SHOCK MT 156-PHLW-13 (LORD)		4	4										
11	D-AD-7006197-0-0	HARNESSTIMING TRACK		1	1										
12	D-IA-7006221-0-0	DATA HEAD HARNESST		1	1										
13	D-AD-7006147-0-0	COVER ASSY		1	1										
14	C-AD-7005745-0-0	HEAD SHOE ASSY		17	17										
15	9007909	SCR SOC HD #6-32 x 1 3/4		12	12										
16	9007955	SCR SOC HD #8-32 x 1 1/2		16	16										
17	9006024-1	SCR PH HD PAN #6-32 x 1/2		59	59										
18	9006332	SCR SOC HD #6-32 x 3/4		4	4										
19	9006347	SCR SOC HD #10-32 x 5/8		4	4										
20	9006021-2	SCR FLAT HD #6-32 x 5/16		4	4										
21	9006029-1	SCR PH HD PAN #6-32 x 1 1/4		1	1										
22	9006990	GND STRAP JANCO #740F-33-20		1	1										
TITLE DISK ASSY RS08-M				ASSY NO. D-UA-RS08-M- <del>8</del>		SIZE CODE A PL		NUMBER RS08-M- <del>8</del>				REV. D		ECO NO. RS08M-00011	
				SHEET 1 OF 3		DIST. G									

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				QUANTITY/VARIATION											
PARTS LIST				RS08-M (60HZ)	RS08-MA (50HZ)										
MADE BY G. FLANDERS		CHECKED D. HEALY				SECTION									
DATE 3/25/69		DATE 3/26/69		1											
ENG <i>Wm Oms</i>		PROD <i>Wm Oms</i>		ISSUED SECT.											
DATE 4/10/69		DATE 4/10/69		1											
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION													
23	9006563	NUT KEPS #8		16	16										
24	9006560	NUT KEPS #6		1	1										
25	9006633	WASH INT TOOTH LOCK #6		59	59										
26	9006656	WASH FLAT #6		59	59										
27	9107360-00	#18 GA STRD TEF INS (BLK)		A/R	A/R										
28	9006781	SOLDERLESS CONN #34132 AMP INC		1	1										
29	9006997	SOLDERLESS CONN#42025-1 AMP INC		5	5										
30	9107305	HY SHRINK TUBING RED		A/R	A/R										
31	9007031	TY WRAP #SST-15B		A/R	A/R										
32	9007906	SPLIT LOCK WASH #10		4	4										
33	9007801	SPLIT LOCK WASH #6		4	4										
34	9007941	TORQUE SEAL (BLUE) ORGANIC PROD		A/R	A/R										
35	9009058	RTV (LOW ORGANIC) GE		A/R	A/R										
36	C-MD-7408195-0-0	AIR COVER		1	1										
37	9006011-1	#4-40 X .38 PH PAN HD SCREW		1	1										
38	9008172	#4 WASHER		2	2										
REF	E-MD-9305076-0-0	GLASS ALIGNMENT DISK													
39	9006017-1	#4-40 X 1.00 PH PAN HD SCREW		1	1										
40	9006557	#4-40 KEPS NUT		1	1										
41	C-MD-7408858	MOTOR LOCK		1	1										
42	12-10659	BRUSH ASSEMBLY		1	1										
43	9006000-1	#2-56 X .25 PH PAN HD SCREW		2	2										
TITLE DISK ASSY RS08-M				ASSY NO. D-UA-RS08-M- <del>8</del>		SIZE CODE A PL		NUMBER RS08-M- <del>8</del>				REV. D		ECO NO.	
				SHEET 2 OF 3		DIST. G									



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REV 1000 3000 3216



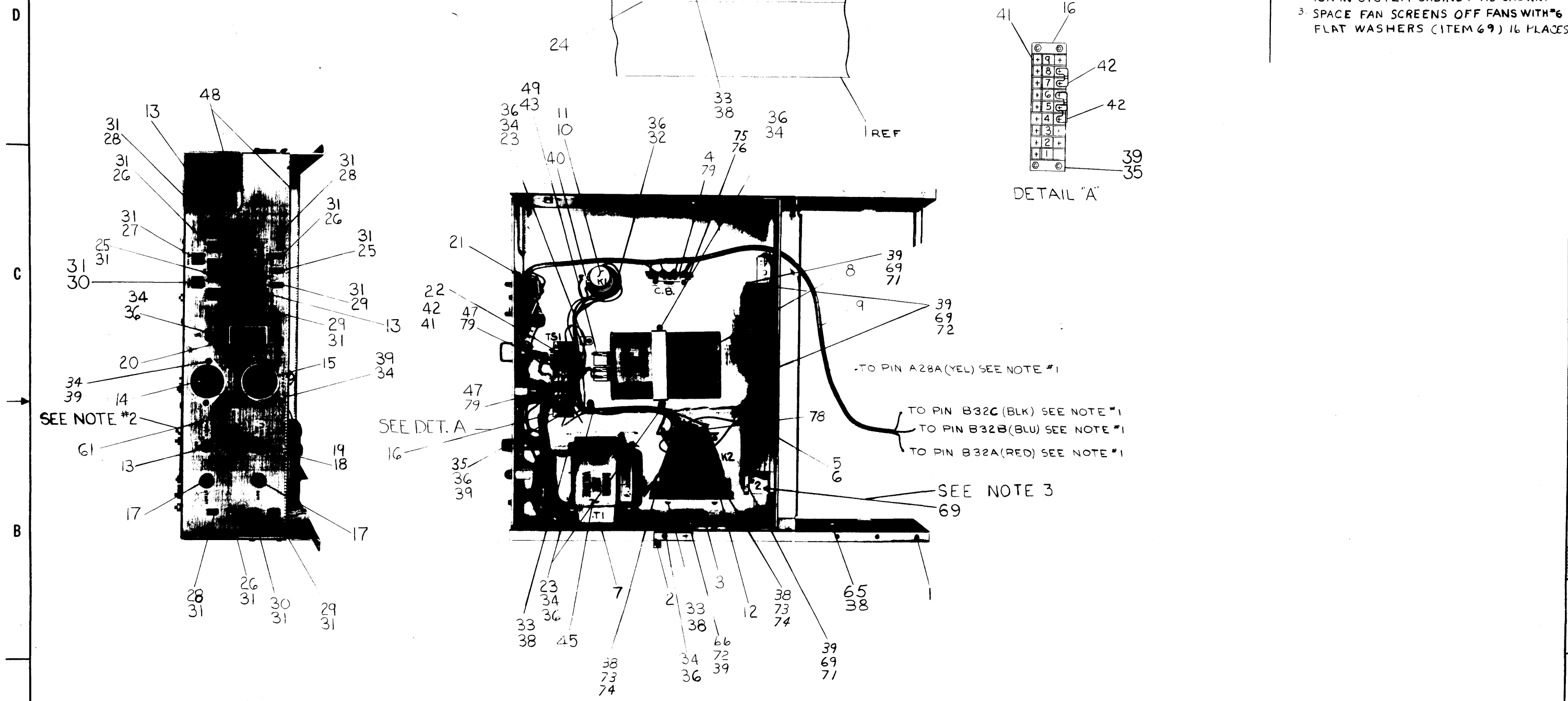
MECHANICAL			DEPT USAGE			ELECTRICAL			DEPT USAGE				
FIND NO	DESCRIPTION	PART NO	PROD	CUST	F	C	FIND NO	DESCRIPTION	PART NO	PROD	CUST	F	C
1	DISK ASSY 60 HZ DISK ASSY 50 HZ DISK ASSY (PL) GASKET FUNNEL BUMPER DISK DECK MOUNTING BOTTM FUNNEL CAP DISK GLASS ALIGNMENT DISK AIR COVER	D-UA-RS09-M-B D-UA-RS09-MA-B A-PL-RS09-M-B B-MD-7404023-0-0 B-MD-7406999-0-0 E-IA-7407008-0-0 D-IA-7407024-0-0 C-MD-7407004-0-0 E-MD-9305076-0-0 C-MD-7406995-0-0					1	DISK ASSY 60 HZ RS09-M DISK ASSY 50 HZ RS09-MA HEAD MATRIX WIRE LIST	A-MI-RS09-M A-MI-RS09-MA B-BS-RS09-M-2 K-WI-RS09-P-WI				
2	MOTOR HUB ASSY 60 HZ MOTOR HUB ASSY 50 HZ HUB MOTOR	D-IA-7406966-1-0 D-IA-7406966-2-0 C-MD-7407002-0-0					REF	WIRED ASSY (RS09) WIRED ASSY (RS09-P) (PL)	D-AD-7006109-0-0 A-PL-7006109-0-0				
3	DECK ALIGNING PIN MOTOR	E-IA-7407059-0-0 B-MD-7407029-0-0					REF	RS09 RS09 CABLE ARRANGEMENT	D-IC-RS09-B-3				
4	DATA HEAD HARNESS RECP 18 PIN DATA HEAD HARNESS PACKAGING INSTR. RS08 CABLE HARNESS PACK	D-IA-7006621-0-0 B-MD-5509250-0-0 A-PI-3700029-0-0											
5	ETCH BOARD PRINTED CIRCUIT	E-IA-5004479-0-0 PC-5004479											
6	HARNESS TIMING TRACK HARNESS TIMING TRACK (PL)	D-AD-7006197-0-0 A-PL-7006197-0-0											
7	BOARD CONN (TRACK CABLE) 18 PIN RECP. (TIMING TRACK HARNESS)	B-IA-5409003-0-0 B-MD-5509273-0-0											
9	ETCH BOARD P C ETCH PATTERN	D-IA-5009002-0-0 PC-5409003											
9	HEAD SHOE ASSY HEAD SHOE ASSY (PL) RS08-M READ-WRITE HEAD	C-AD-700745-0-0 A-PL-700745-0-0 A-PI-3700041-0-0											
10	COVER ASSY COVER ASSY (PL) COVER	D-AD-7006147-0-0 A-PL-7006147-0-0 D-IA-7407001-0-0											
	DECAL (COVER) DECAL WARNING	A-DC-7407205-0-0 A-DC-7407037-0-0											

CHK	CHANGE NO.	REV
	RS08-07002	
	ORIGINATED	
	RS08M-0003	A
	G. MC FALL	
	RS08M-0006	B
	LAWRENCE	
	RS08M-0006	C
	LAWRENCE	
	RS08M-0001	D
	CAHNEI	

FIRST USED ON OPTION MODEL RS08-M		QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED					
DIMENSION IN INCHES		TOLERANCES		DATE	
DECIMALS	FRACTIONS	ANGLES	DATE		
± .005	± 1/64	± 0°30'	DATE		
FINAL SURFACE QUALITY		DATE			
REMOVE BURRS AND BREAK SHARP CORNERS		DATE			
MATERIAL		DATE			
FINISH		DATE			
SCALE		DATE			
SHEET		DATE			
OF		DATE			
DIST.		DATE			
PARTS LIST					
digital EQUIPMENT CORPORATION MAYFELD MASSACHUSETTS					
TITLE DWC INDEX RS08-M					
SIZE CODE		NUMBER		REV.	
D		RS08-M-1		D	

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- NOTES:**
1. TAG END OF WIRES AS INDICATED.
  2. PLACE PROPER DECAL \*A-DC-7406707-0-0 (50 OR 60HZ) AT TIME OF INSTALLATION IN SYSTEM CABINET AS SHOWN.
  3. SPACE FAN SCREENS OFF FANS WITH \*6 FLAT WASHERS (ITEM 69) 16 PLACES



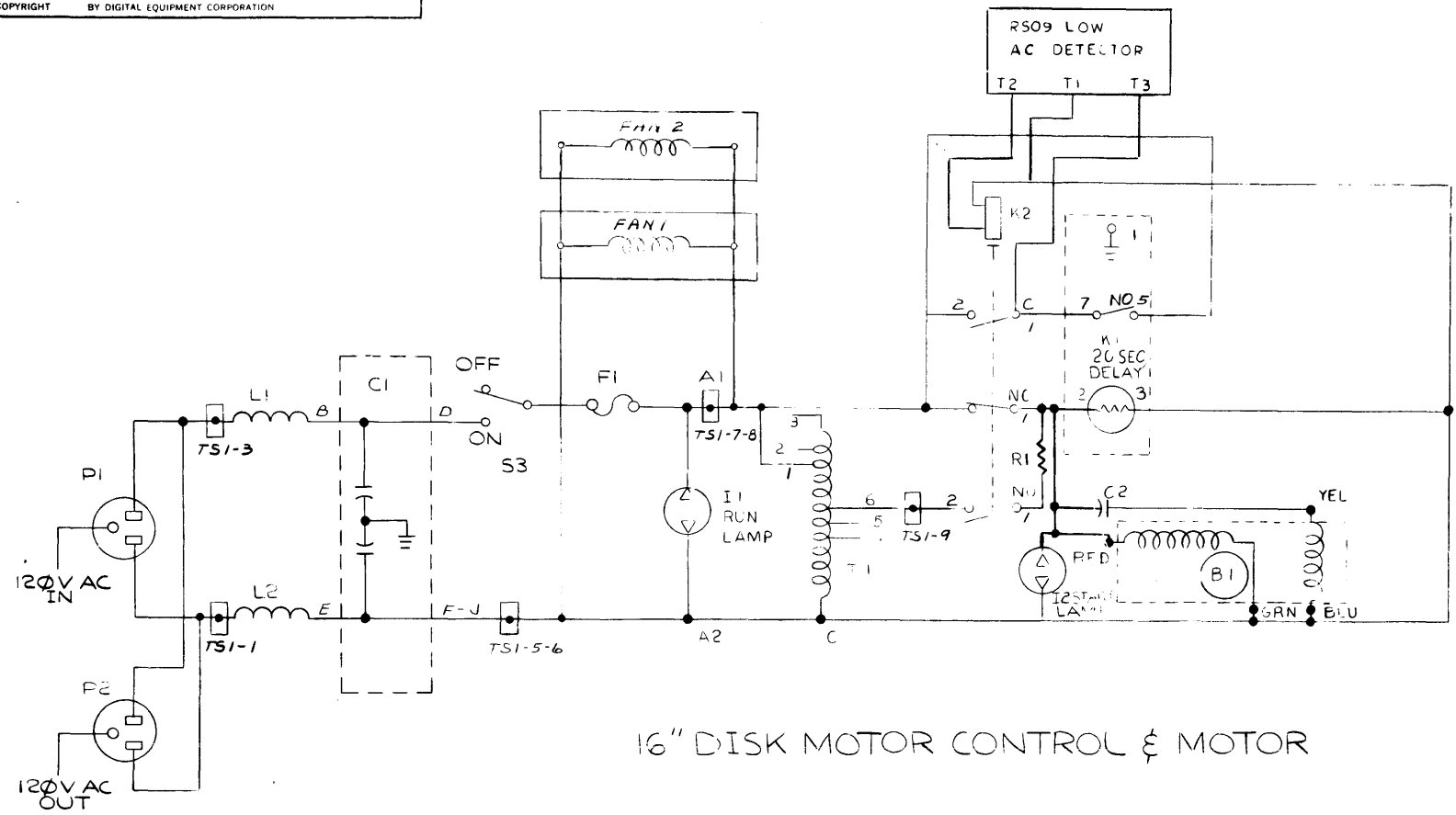
REV.	CHANGE NO.	DESCRIPTION	DATE
1	RS08-0002	ORIGINATED	
2	RS08-0007	A	6/9/69
3	RS08P-00004	B	
4	RS08P-00013	F	2/2/70
5	RS08P-00001	C	
6	RS08P-00002	H	
7	RS08P-00005	J	
8	RS08P-00004	K	1-20-72
9	RS08P-00005	L	9-21-71
10	RS08P-00005	L	1-20-72
11	RS08P-00005	L	1-20-72
12	RS08P-00005	L	1-20-72
13	RS08P-00005	L	1-20-72
14	RS08P-00005	L	1-20-72
15	RS08P-00005	L	1-20-72
16	RS08P-00005	L	1-20-72
17	RS08P-00005	L	1-20-72
18	RS08P-00005	L	1-20-72
19	RS08P-00005	L	1-20-72
20	RS08P-00005	L	1-20-72
21	RS08P-00005	L	1-20-72
22	RS08P-00005	L	1-20-72
23	RS08P-00005	L	1-20-72
24	RS08P-00005	L	1-20-72
25	RS08P-00005	L	1-20-72
26	RS08P-00005	L	1-20-72
27	RS08P-00005	L	1-20-72
28	RS08P-00005	L	1-20-72
29	RS08P-00005	L	1-20-72
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34	RS08P-00005	L	1-20-72
35	RS08P-00005	L	1-20-72
36	RS08P-00005	L	1-20-72
37	RS08P-00005	L	1-20-72
38	RS08P-00005	L	1-20-72
39	RS08P-00005	L	1-20-72
40	RS08P-00005	L	1-20-72
41	RS08P-00005	L	1-20-72
42	RS08P-00005	L	1-20-72
43	RS08P-00005	L	1-20-72
44	RS08P-00005	L	1-20-72
45	RS08P-00005	L	1-20-72
46	RS08P-00005	L	1-20-72
47	RS08P-00005	L	1-20-72
48	RS08P-00005	L	1-20-72
49	RS08P-00005	L	1-20-72
50	RS08P-00005	L	1-20-72
51	RS08P-00005	L	1-20-72
52	RS08P-00005	L	1-20-72
53	RS08P-00005	L	1-20-72
54	RS08P-00005	L	1-20-72
55	RS08P-00005	L	1-20-72
56	RS08P-00005	L	1-20-72
57	RS08P-00005	L	1-20-72
58	RS08P-00005	L	1-20-72
59	RS08P-00005	L	1-20-72
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61	RS08P-00005	L	1-20-72
62	RS08P-00005	L	1-20-72
63	RS08P-00005	L	1-20-72
64	RS08P-00005	L	1-20-72
65	RS08P-00005	L	1-20-72
66	RS08P-00005	L	1-20-72
67	RS08P-00005	L	1-20-72
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91	RS08P-00005	L	1-20-72
92	RS08P-00005	L	1-20-72
93	RS08P-00005	L	1-20-72
94	RS08P-00005	L	1-20-72
95	RS08P-00005	L	1-20-72
96	RS08P-00005	L	1-20-72
97	RS08P-00005	L	1-20-72
98	RS08P-00005	L	1-20-72
99	RS08P-00005	L	1-20-72
100	RS08P-00005	L	1-20-72

FIRST USE ON OPTION / MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RS08-P				
UNLESS OTHERWISE SPECIFIED				
DRN.	DATE	PARTS LIST		
CHK'D.	DATE	digital EQUIPMENT CORPORATION		
ENG.	DATE	NATYARD MASSACHUSETTS		
PROJ. ENG.	DATE	TITLE		
PROD.	DATE	CHASSIS ASSY		
		W/O LOGIC		
MATERIAL	FIRST USE ON:	SIZE CODE	NUMBER	REV.
	D-UA-RS08-P-0	D	AD7006156-0-0	L
FINISH	SCALE	SHEET	OF	
		1	2	

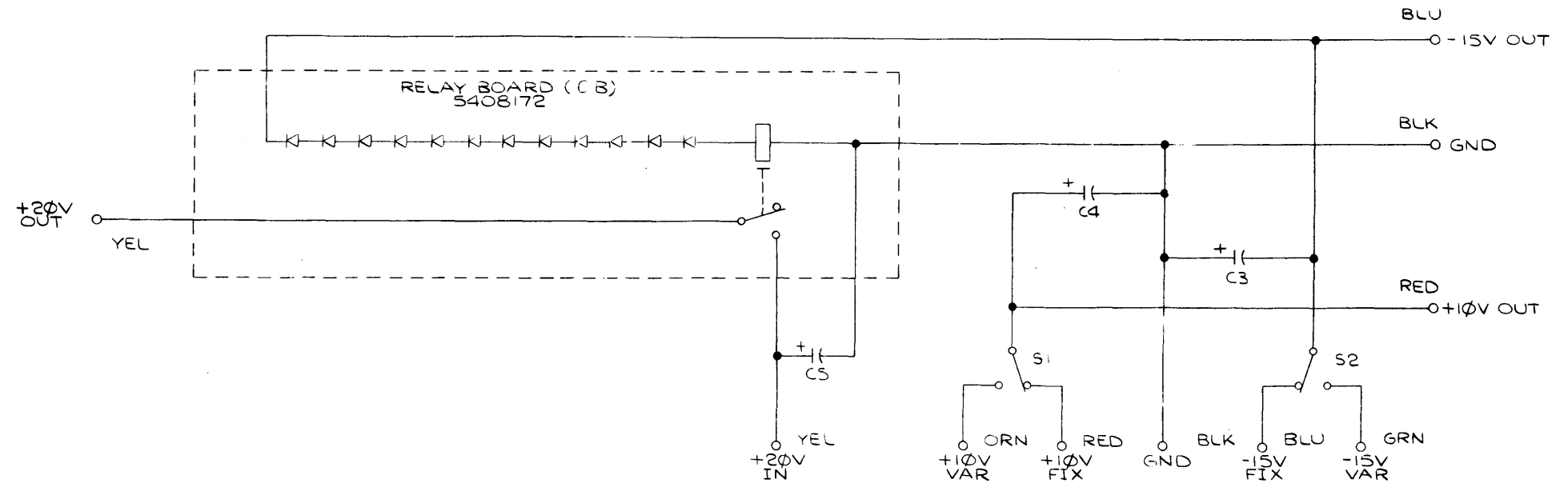
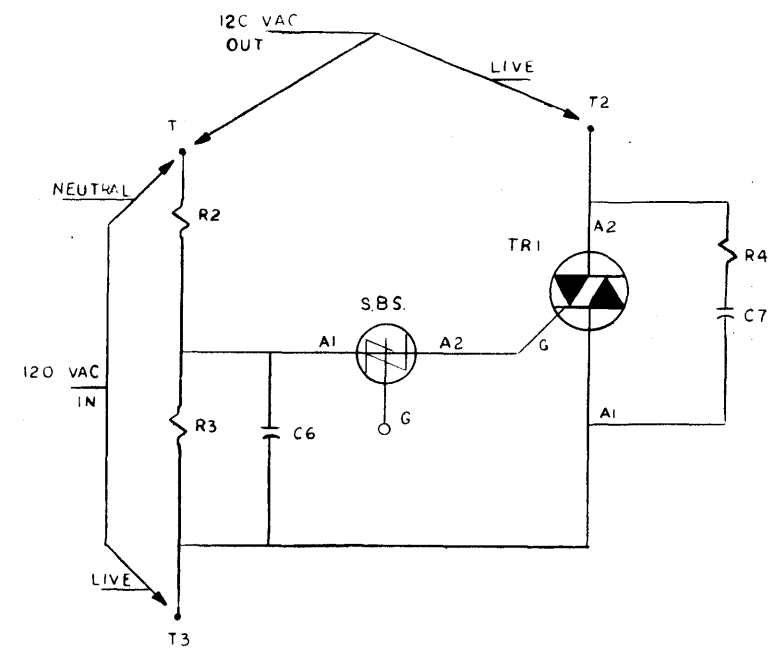




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16" DISK MOTOR CONTROL & MOTOR



RS08 D.C. POWER CONTROL

REF DESIGNATION	DESCRIPTION	PART NO.
RS09 LOW AC DET	MODULE	5409920
RS09 LOW AC DET	CIRCUIT BOARD	5009919
R2	RES 5K 3.5W 5%	1310911
R3	RES. 360Ω 1/2W 5%CC	1302383
R4	RES. 10K 1/4W 5%CC	1300479
C6	CAP 1MFD 100V 20%	1000030
C7	CAP .033 MFD 100V 10%	1000050
S.B.S.	2N4992 TRIAC TRIGGER	1510910
TR1	TRIAC DEC 40669	1510070
FAN1, FAN2	FAN, MUFFIN ROTRON	1205033
TS1	TRM STRIP #9-540 CINCH JONES	9006912
R1	RES 1.5Ω 55W	1302702
C1	CAP 2x.1MFD 600VDC	1002153
C2	CAP 30MFD 370V	1009122
C3, C4, C5	CAP 50MFD 50V	1000080
K1	TIMING RELAY	1209121
K2	EBERT RELAY	1209491
B1	MOTOR 50 HZ	1209003-21
B1	MOTOR 60 HZ	1209003-20
I1, I2	LIGHT PILOT 110V	1205458
T1	2:1 AUTO XMFR	1609313
S1, S2, S3	SWITCH SPDT	1202279
L1, L2	TUBE FERROXCUBE	1605147
F1	7 AMP S.B. FUSE	9007224
CB	RELAY BOARD	5408172
P1	SOC 3 PIN AC MALE	1201252
P2	SOC 3 PIN FEMALE	1201251

PARTS LIST

REV	NO	DATE	BY	CHKD
1	1	11/10/67		
2	1	11/14/67		

DATE	BY	CHKD
11/10/67		
11/14/67		

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

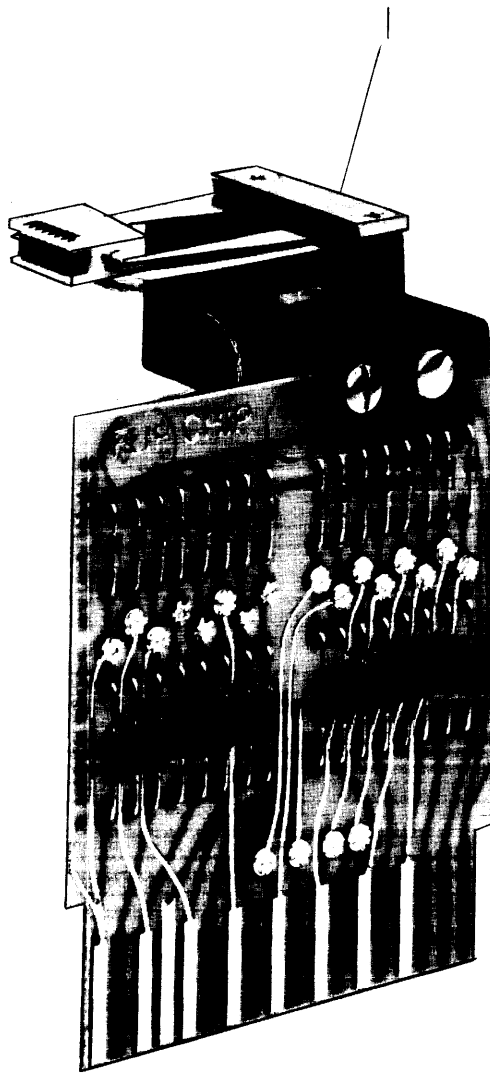
**digital** EQUIPMENT CORPORATION  
MAYNARD, MASSACHUSETTS

TITLE: POWER CONTROL AND MOTOR CONTROL  
SIZE: D CODE: CS NUMBER: 7006156-0-1 REV: F

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LEGEND	
NUMBER	VARIATION
7005745-0	UNLOADED (FROM VENDOR)
7005745-1	RELOADED TO 31 GRAMS
7005745-2	RELOADED TO 25 GRAMS

3 RE STOCK RM - 61



D  
C  
B  
A

D  
C  
B  
A

REV.	CHANGE NO.	DATE	BY	CHK'D.
A	RS08-00002	4/3/68	I. MORRIS	
B	7005745-00001	8-17-78	G. SAVIERS	

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RS08-M					
UNLESS OTHERWISE SPECIFIED		PARTS LIST			
UNLESS OTHERWISE SPECIFIED		DRN.	G. F.	DATE	<b>digital</b> EQUIPMENT CORPORATION <small>MAYNARD, MASSACHUSETTS</small>
DIMENSION IN INCHES		CHK'D.	D.H.	DATE	
TOLERANCES		ENG.		DATE	
DECIMALS ± .005		PROJ. ENG.		DATE	
FRACTIONS ± 1/64		PROD.		DATE	
ANGLES ± 0°30'		NEXT HIGHER ASSY			
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS					
MATERIAL		D-UA-RS08-M-φ		SIZE CODE	NUMBER
FINISH		SCALE		CAD	7005745-0-0
		SHEET		DIST.	

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS <b>PARTS LIST</b>				QUANTITY / VARIATION													
MADE BY K. GULICK		CHECKED K. RUSS		SECTION													
DATE 3/12/69		DATE 3/24/69		1													
ENG <i>F. H. Adams</i>		PROD <i>[Signature]</i>		ISSUED SECT.													
DATE <i>4/1/69</i>		DATE <i>4/1/69</i>		1													
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION															
REF	C-CS-705-B-1	705-B P/S CIRCUIT SCHEMATIC															
1	E-IA-5308234-0-0	CHASSIS				1											
2	1105799	DM-15 DIODE PAK				1											
3	1102933	DM-1 DIODE PAK				2											
4	9006027-1	SCR PHL HD PAN #6-32 x 7/8 LG				6											
5	9006633	WASH INT TOOTH #6 HOLE				21											
6	9006997	SLDLESS CONN 42025-1 AMP				35											
7	9107305	HY SHRINK TUBING #14 RED				A/R											
8	D-MD-5304433-0-0	RETAINER CAPACITOR				1											
9	1004874	CAP 160,000 20 VDC				5											
10	1605802	TRANSFORMER T-65238 ACME				1											
11	9007925	ADAPTER #300H21A ARK-LES				5											
12	1300190	RESISTER 25F25 W.L.				5											
13	9006033-1	SCR PHL HD PAN 6-32 x 2 1/2 LG				5											
14	9006674	CTR. WASH #916 CORE TYPE 2A W.L.				10											
15	9006829	SPACER 1/2 AF c 3/8 LG x #10 HOLE				5											
16	D-MD-5304499-0-0	BRACKET, TERMINAL				1											
17	9006024-1	SCR PHL HD PAN #6-32 x 5/8 SST				4											
18	9006560	NUT KEPS #6-32 SST				4											
19	9107253	TUBING SHRINKABLE WHT 1/4				A/R											
20	1205761	FAN BOXER/ROTRON 50/60 CPS				1											
21	9006568	NUT KEPS #5/16-18 SST				4											
TITLE		ASSY NO.		SIZE	CODE	NUMBER				REV.	ECO NO.						
POWER SUPPLY 705-B		D-UA-705-B-0		A	PL	705-B-0				A	705B-00001						
		SHEET 1 OF 3		DIST.													

DEC FORM NO.  
DRA 110

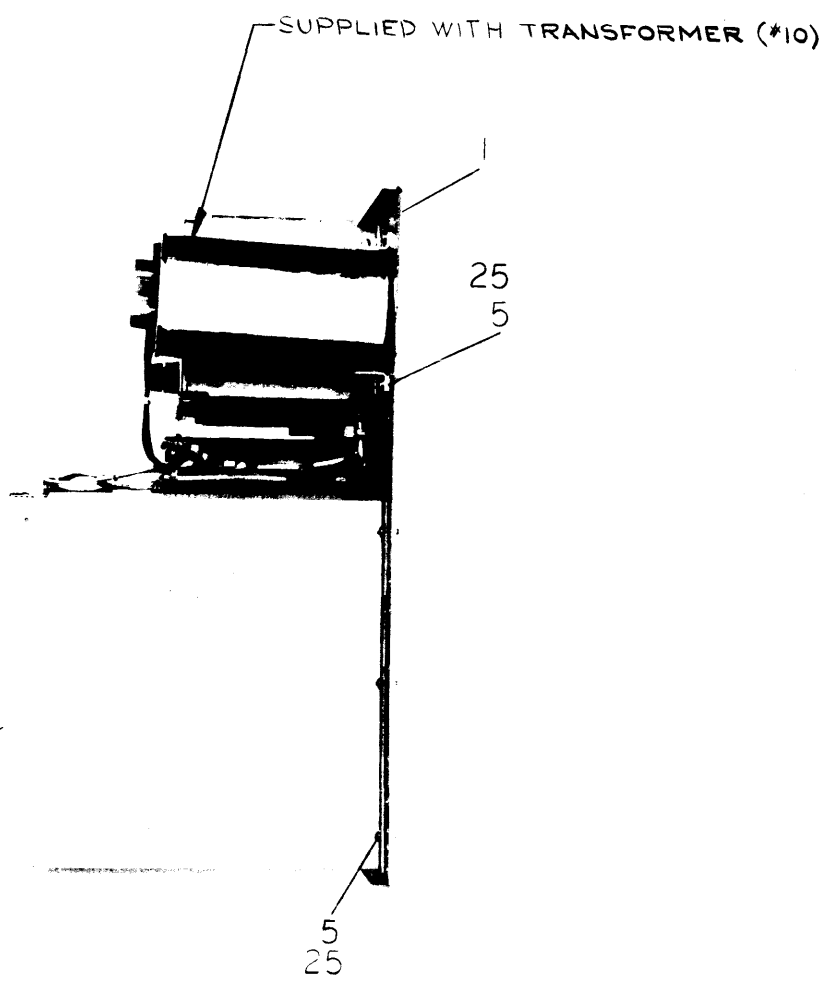
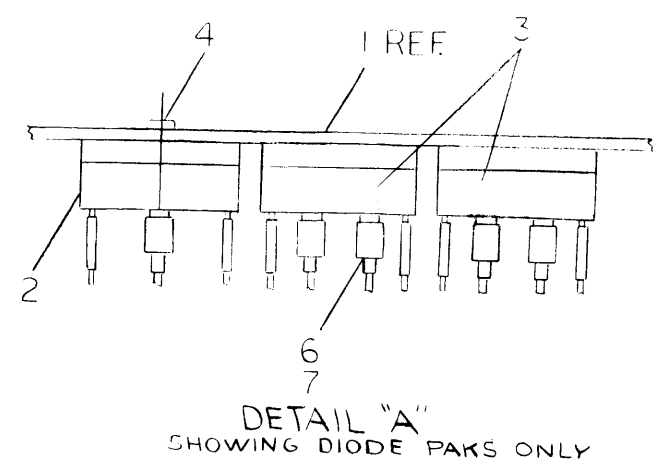
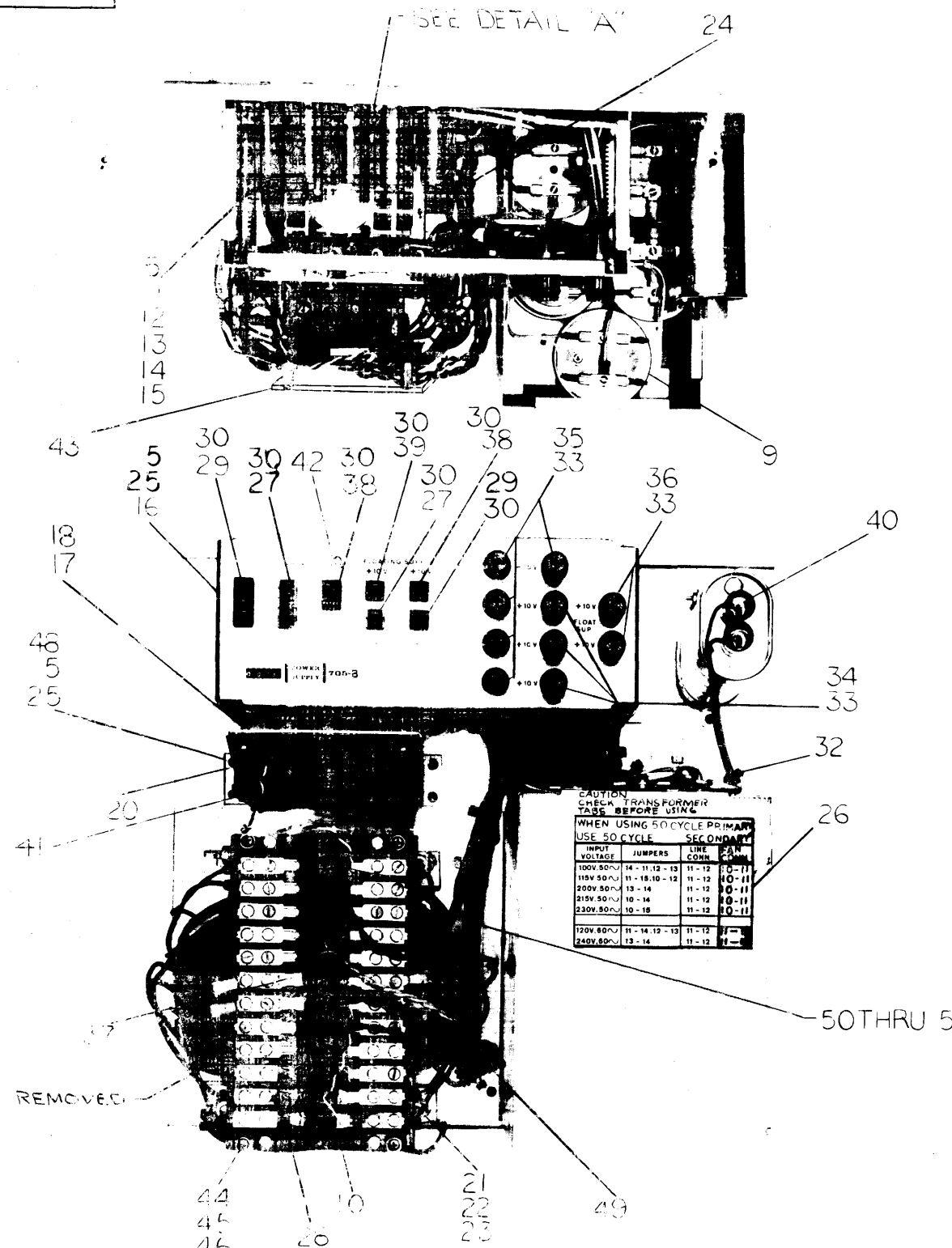
DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS <b>PARTS LIST</b>				QUANTITY / VARIATION													
MADE BY KEN GULICK		CHECKED K. RUSS		SECTION													
DATE 3/12/69		DATE 3/24/69		1													
ENG <i>F. H. Adams</i>		PROD <i>[Signature]</i>		ISSUED SECT.													
DATE <i>4/1/69</i>		DATE <i>4/1/69</i>		1													
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION															
22	9006255	CAP SCR HEX HD 5/16-18 x 3/4 LG				4											
23	9007858	WASH. FLAT 11/16 O.D. x 3/8 I.D. x 1/16 THK				4											
24	C-MD-7404881-0-0	SCREEN, FAN				1											
25	9006022-1	SCR PHL HD PAN #6-32 x 3/8 LG SST				16											
26	A-DC-5304512-0-0	CAUTION CHECK LABEL				1											
27	9007233	BUSHING #DC-202-1 YEL HEYMAN				1											
28	9006776	CONN. #31889 AMP				2											
29	9007232	BUSHING #DC-202-1 BLU HEYMAN				1											
30	9007238	SOLDER TAB #T-202-S HEYMAN				21											
31	9007613	ADAPTER #3000C27-1N3				7											
32	9007031	TIE WRAP SST-1-B PANDUIT				A/R											
33	9007242	FUSE HOLDER TYPE HKP BUSS				10											
34	9007218	FUSE 3AG 3 AMP S.B.				3											
35	9007225	FUSE 3AG 10 AMP S.B.				5											
36	9007224	FUSE 3AG 7 AMP S.B.				2											
37	9006779	SLDLESS CONN #329509 AMP				11											
38	9007231	BUSHING #DC-202-1 RED HEYMAN				5											
39	9007234	BUSHING #DC-202-1 ORN HEYMAN				2											
40	9006999	SLDLESS CONN #41829 AMP				2											
41	9107430-2	WIRE #18AWG TWP RED/WHT				A/R											
42	B-DC-5308355-0-0	DECALS POWER SUPPLY				1											
43	C-MD-5304458-0-0	COVER PROTECTION				1											
TITLE		ASSY NO.		SIZE	CODE	NUMBER				REV.	ECO NO.						
POWER SUPPLY 705-B		D-UA-705-B-0		A	PL	705-B-0				A							
		SHEET 2 OF 3		DIST.													

DEC FORM NO.  
DRA 110



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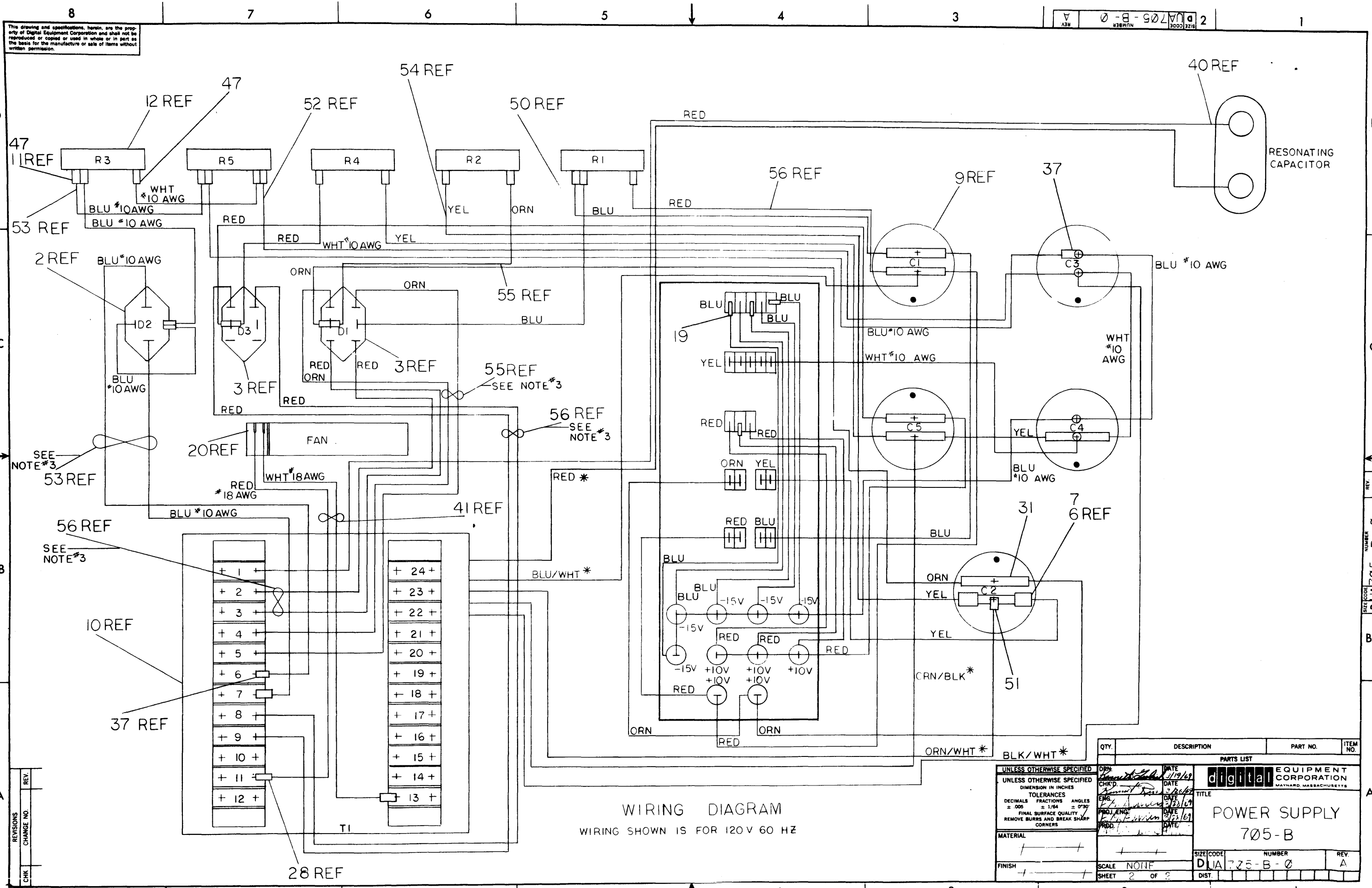
- NOTES:
1. ALL WIRES TO BE #14 AWG TEFLON INS. STRD UNLESS OTHERWISE SPECIFIED.
  2. \* ASTERISK INDICATES WIRES THAT ARE SUPPLIED WITH TRANSFORMER.
  3. TWIST WIRES TOGETHER, ONE TWIST PER INCH MIN.



REV.	CHANGE NO.	DATE
A	1	3/12/69

REVISIONS  
CHK CHANGE NO. REV. DATE  
705-B-00001 A 3/12/69  
LAWRENCE

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRW	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED	CHK'D	DATE	TITLE	
DIMENSION IN INCHES		3/12/69	POWER SUPPLY	
TOLERANCES		3/20/69	705-B	
DECIMALS	FRACTIONS	3/28/69	SIZE CODE	NUMBER
± .005	± 1/64	3/28/69	DUA	705-B-0
ANGLES		DATE	REV.	A
± 30°		3/28/69		
FINAL SURFACE QUALITY		DATE		
REMOVE BURRS AND BREAK SHARP CORNERS		DATE		
MATERIAL	NEXT HIGHER ASSY			
+ + +				
FINISH	SCALE NONE			
+ + +	SHEET 1 OF 2			
		DIST.		



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REV.	CHANGE NO.

DEC FORM NO. DRD 100

WIRING DIAGRAM  
WIRING SHOWN IS FOR 120V 60 HZ

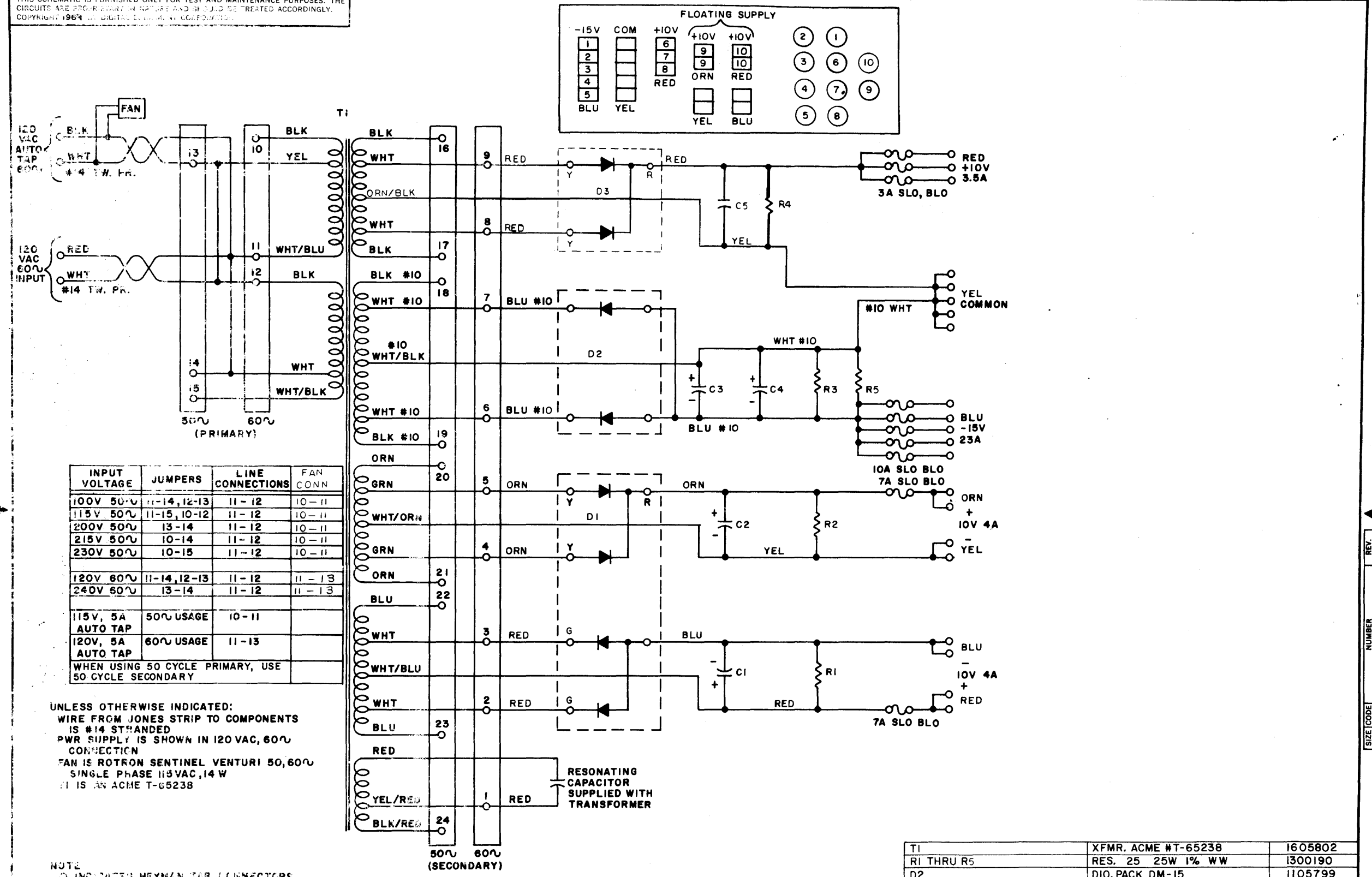
QTY.	DESCRIPTION	PART NO.	ITEM NO.

UNLESS OTHERWISE SPECIFIED	DATE 3/19/67	<b>digital</b> EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
DIMENSION IN INCHES	DATE 3/26/67	
TOLERANCES	DATE 3/26/67	
DECIMALS FRACTIONS ANGLES	DATE 3/26/67	
± .005 ± 1/64 ± 0°30'	DATE 3/26/67	TITLE
FINAL SURFACE QUALITY / REMOVE BURRS AND BREAK SHARP CORNERS	DATE 3/26/67	POWER SUPPLY
		705-B
MATERIAL		SIZE CODE
		NUMBER
FINISH		REV.
		A
SCALE NONE		SIZE CODE
SHEET 2 OF 2		NUMBER
		DIST.

REV. A  
NUMBER DUA705-B-0  
B  
A

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INPUT VOLTAGE	JUMPERS	LINE CONNECTIONS	FAN CONN
100V 50 $\sim$	11-14, 12-13	11-12	10-11
115V 50 $\sim$	11-15, 10-12	11-12	10-11
200V 50 $\sim$	13-14	11-12	10-11
215V 50 $\sim$	10-14	11-12	10-11
230V 50 $\sim$	10-15	11-12	10-11
120V 60 $\sim$	11-14, 12-13	11-12	11-13
240V 60 $\sim$	13-14	11-12	11-13
115V, 5A AUTO TAP	50 $\sim$ USAGE	10-11	
120V, 5A AUTO TAP	60 $\sim$ USAGE	11-13	

WHEN USING 50 CYCLE PRIMARY, USE 50 CYCLE SECONDARY

UNLESS OTHERWISE INDICATED:  
 WIRE FROM JONES STRIP TO COMPONENTS IS #14 STRANDED  
 PWR SUPPLY IS SHOWN IN 120 VAC, 60 $\sim$  CONNECTION  
 FAN IS ROTRON SENTINEL VENTURI 50, 60 $\sim$  SINGLE PHASE 115VAC, 14 W  
 C1 IS AN ACME T-65238

NOTE  
 ○ INDICATES HEYMAN TAB CONNECTORS  
 ◊ INDICATES FUSES

REFERENCE DESIGNATION	DESCRIPTION	PART NO.
T1	XFMR. ACME #T-65238	1605802
R1 THRU R5	RES. 25 25W 1% WW	1300190
D2	DIO. PACK DM-15	1105799
D1 D3	DIO. PACK DM-1	1102933
C1 THRU C5	CAP. 160,000 MFD 20V	1004874
	PARTS LIST	A-PL-705-O-O

REV	CHG NO	REV

DRN	DATE
<i>Amzelick</i>	3/13/69
<i>R. Rums</i>	3/26/69
<i>W. J. Sawyer</i>	3/23/69
<i>W. J. Sawyer</i>	3/27/69

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

**digital** EQUIPMENT CORPORATION  
 MAYNARD, MASSACHUSETTS

TITLE: **POWER SUPPLY 705-B**

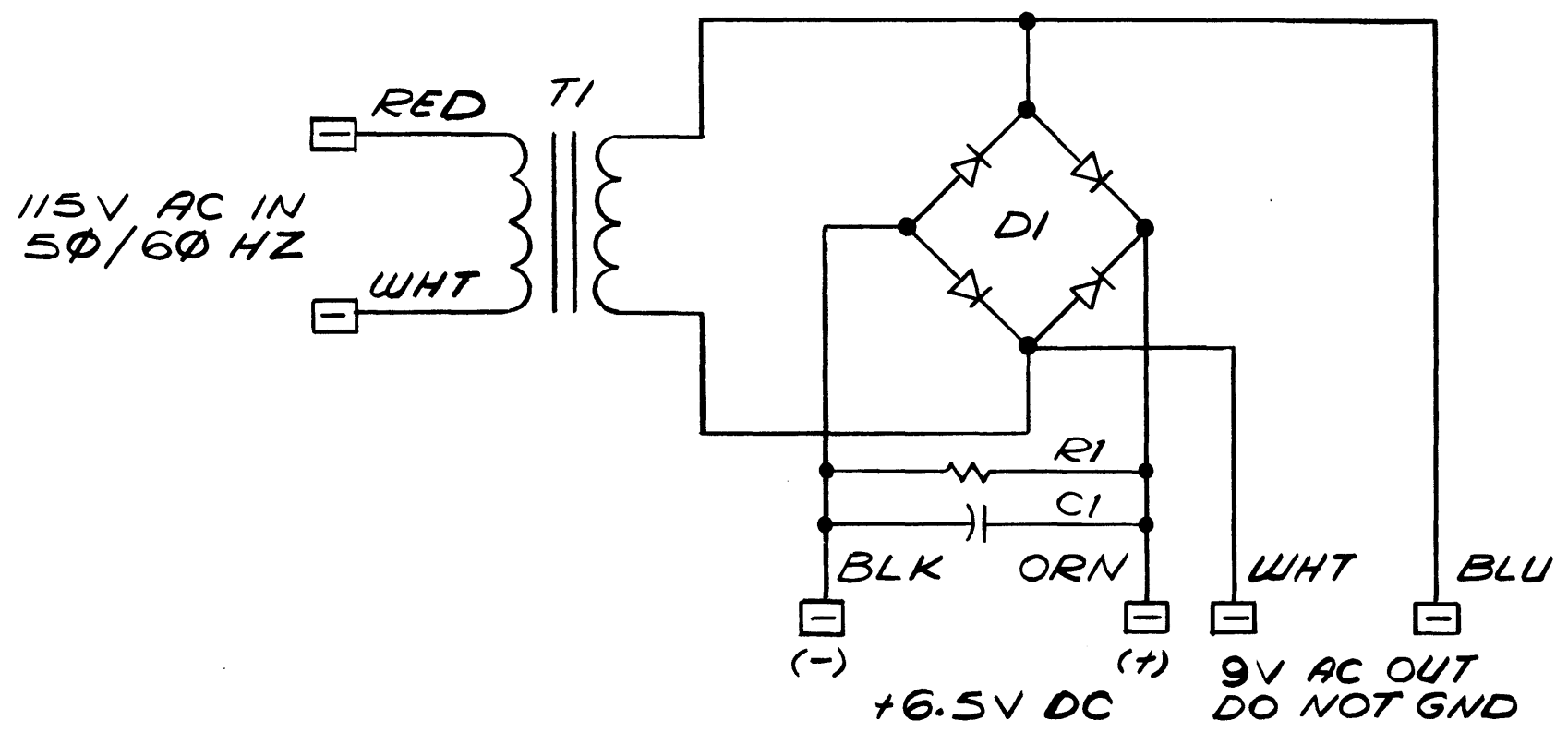
SIZE: C CS NUMBER: 705-B-1 REV:  

PRINTED CIRCUIT REV.  

SIZE CODE NUMBER REV.  
 C CS 705-B-1



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C1	CAP 18,000 MFD 10V DC	1009437
R1	RES 5 Ω 25W, W.L.	1300165
	PARTS LIST	D-UA-716-B-Φ
T1	XMFR*F69-U TRIAD	1609588
DI	DIODE PACK DM-2	1105392
REF DESIGNATION	DESCRIPTION	PART NO

FIRST USED ON OPTION/MODEL  
716-B

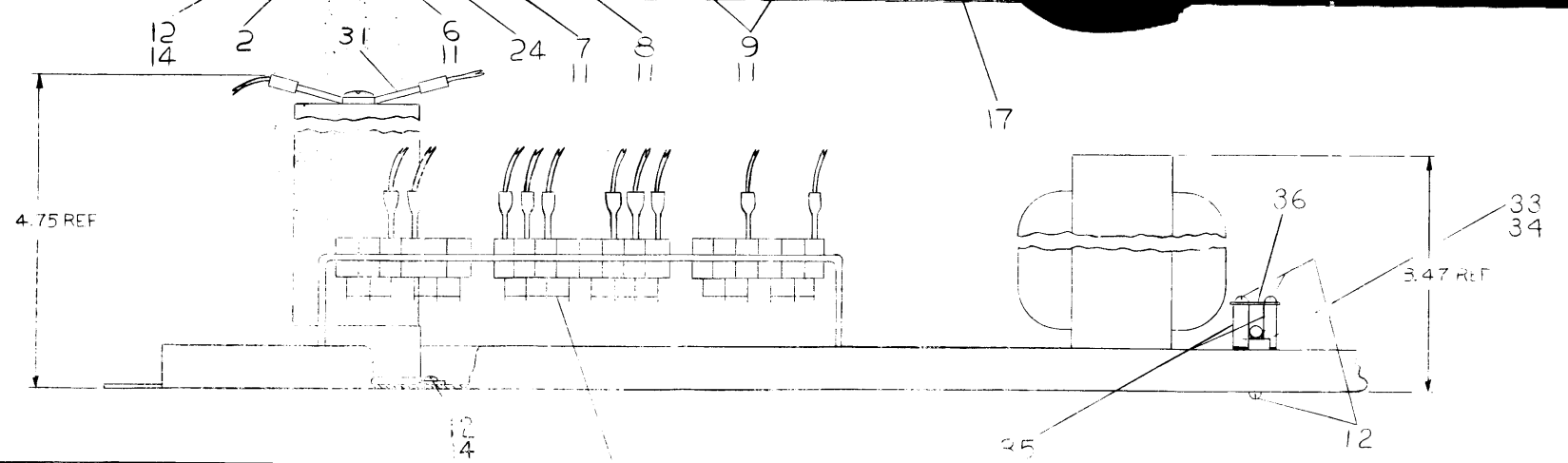
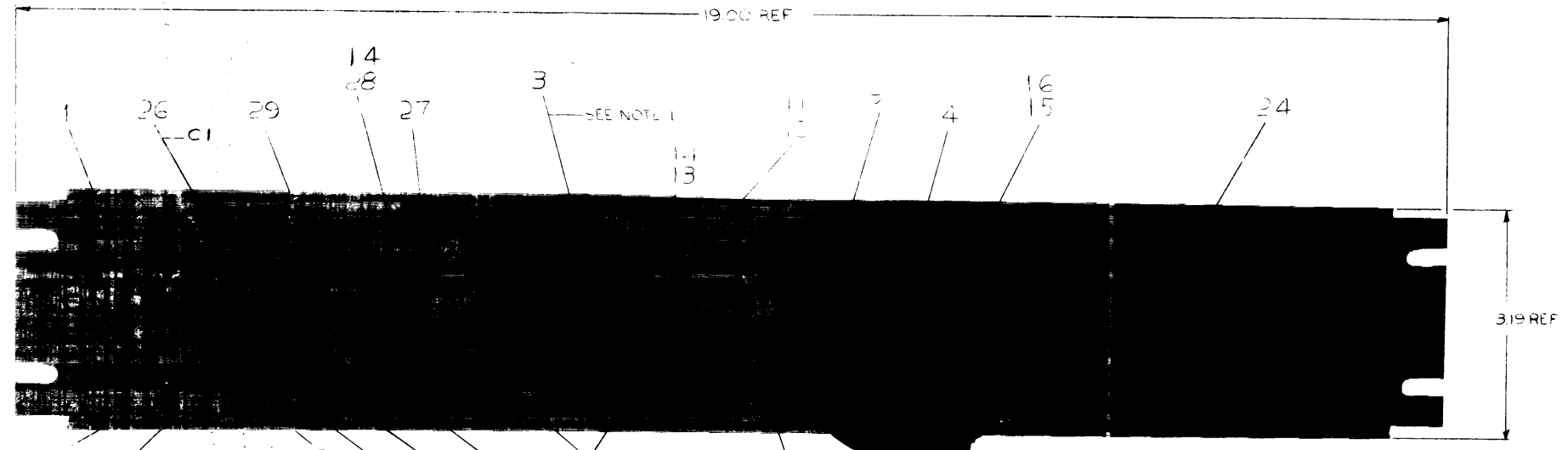
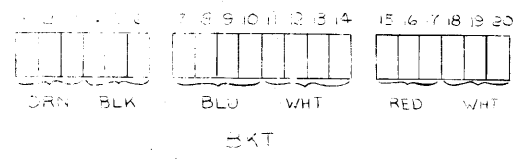
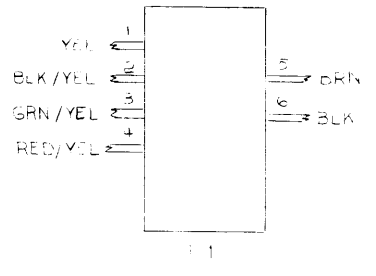
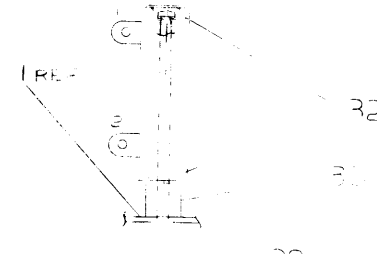
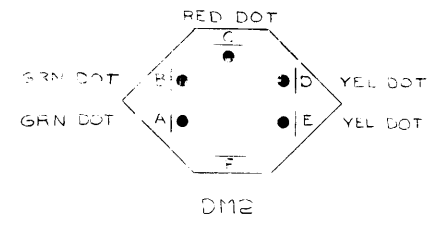
PARTS LIST

REVISIONS CHK CHG NO. REV.	DRN. <i>Robichaux</i>	DATE 10-9-69	TRANSISTOR & DIODE CONVERSION CHART			TITLE CIRCUIT SCHEMATIC 716B		
	CHK'D <i>D. Hooley</i>	DATE 10-28-69	DEC	EIA		SIZE B	CODE CS	NUMBER 716-B-1
	ENG. <i>J. Zee</i>	DATE 1-5-70				PRINTED CIRCUIT REV.		
	PRD. <i>J. Bundy</i>	DATE 1-6-70						

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WIRE TABLE							
ITEM NO	DESCRIPTION	COLOR	FROM	TO	WIRE GAUGE	EQUIP TO WITH ITEMS	REMARKS
—	YEL	TI-1	BKT-9	—	—	5	
—	RED/YEL	TI-4	BKT-14	—	—	5	
—	BRN	TI-5	F1	—	—	5	SOLDER F1
—	BLU	TI-6	BKT-17	—	—	5	
20	*14	WHT	DM2-A	BKT-12	5	5	
21	*14	BLU	DM2-B	BKT-7	5	5	
22	*14	ORN	DM2-C	RI-1	5	—	SOLDER RI-1
21	*14	BLU	DM2-D	BKT-8	5	—	
20	*14	WHT	DM2-E	BKT-13	5	5	
23	*14	BLK	DM2-F	RI-2	5	—	SOLDER RI-1
18	*22	—	BKT-1	BKT-3	—	—	1 THRU 3
18	*22	—	BKT-4	BKT-6	—	—	4 THRU 6
18	*22	—	BKT-7	BKT-10	—	—	7 THRU 10
18	*22	—	BKT-11	BKT-14	—	—	11 THRU 14
18	*22	—	BKT-15	BKT-17	—	—	15 THRU 17
18	*22	—	BKT-18	BKT-20	—	—	18 THRU 20
—	GRN/YEL	TI-3	—	—	—	19	TIE END
—	BLW/YEL	TI-2	—	—	—	19	TIE END
22	*14	ORN	RI-1	CI-A	—	31	SOLDER RI-1
22	*14	ORN	CI-A	BKT-3	—	5	
23	*14	BLK	RI-2	CI-B	—	31	SOLDER RI-2
23	*14	BLK	CI-B	BKT-4	—	5	
—	*4	BRN	F1	BKT-20	—	5	

NOTES  
 1. APPLY THERMAL COMPOUND ITEM #25 #340 DOW CORNING OR EQUIV TO CONTACTING SURFACES OF ITEM #1 & ITEM #3.



REV.	CHANGE NO.	DESCRIPTION
1	7-6-00001	REDRAWN & REVISED
2	7-6-00002	REVISED
3	7-6-00003	REVISED
4	7-6-00004	REVISED
5	7-6-00005	REVISED
6	7-6-00006	REVISED
7	7-6-00007	REVISED
8	7-6-00008	REVISED
9	7-6-00009	REVISED
10	7-6-00010	REVISED
11	7-6-00011	REVISED
12	7-6-00012	REVISED
13	7-6-00013	REVISED
14	7-6-00014	REVISED
15	7-6-00015	REVISED
16	7-6-00016	REVISED
17	7-6-00017	REVISED
18	7-6-00018	REVISED
19	7-6-00019	REVISED
20	7-6-00020	REVISED
21	7-6-00021	REVISED
22	7-6-00022	REVISED
23	7-6-00023	REVISED
24	7-6-00024	REVISED
25	7-6-00025	REVISED
26	7-6-00026	REVISED
27	7-6-00027	REVISED
28	7-6-00028	REVISED
29	7-6-00029	REVISED
30	7-6-00030	REVISED
31	7-6-00031	REVISED
32	7-6-00032	REVISED
33	7-6-00033	REVISED
34	7-6-00034	REVISED
35	7-6-00035	REVISED
36	7-6-00036	REVISED
37	7-6-00037	REVISED
38	7-6-00038	REVISED
39	7-6-00039	REVISED
40	7-6-00040	REVISED

TOLERANCES  
 DECIMALS  
 .XXX ± .005  
 .XX ± .02  
 .X ± .1

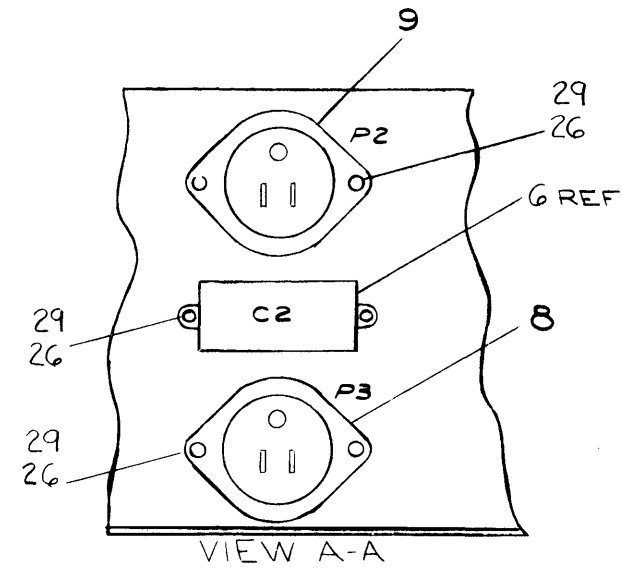
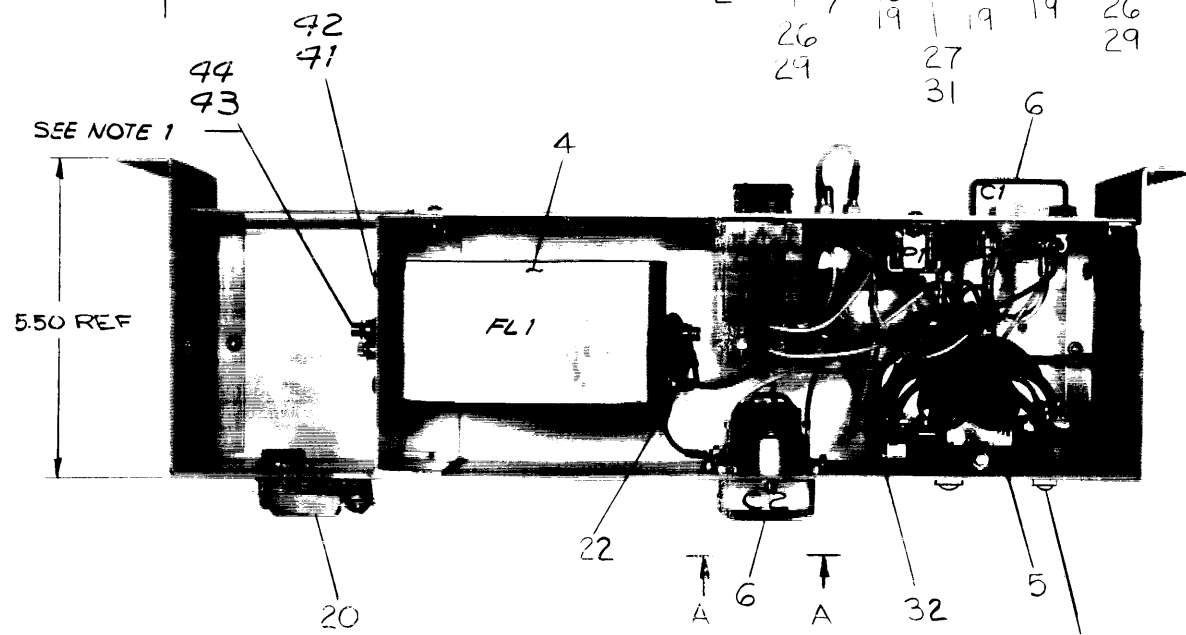
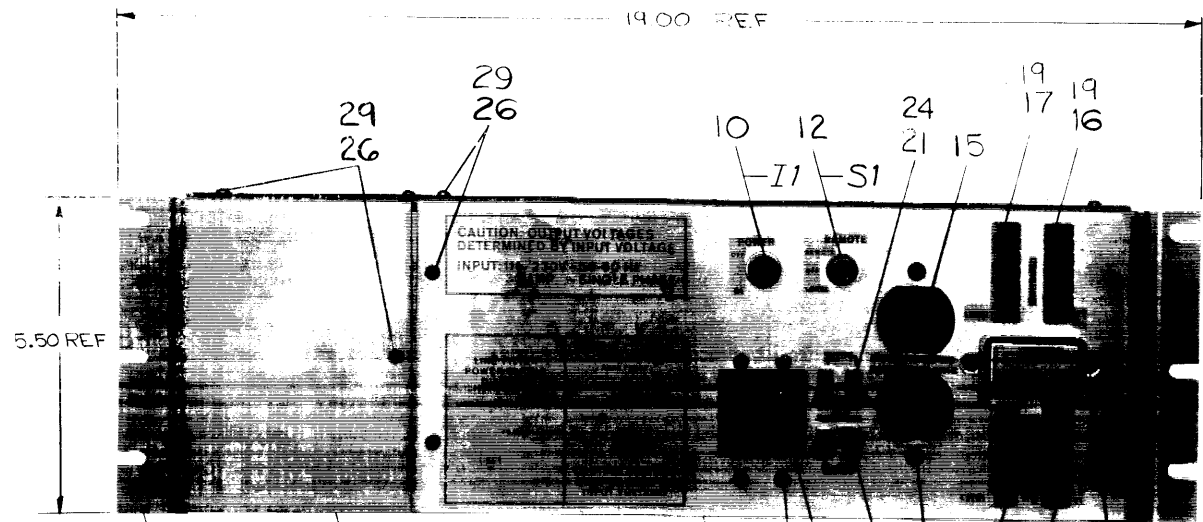
FIRST USED ON OPT/MOD	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RF09				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN.	DATE	digital EQUIPMENT CORPORATION	
UNLESS OTHERWISE SPECIFIED	CHK'D.	DATE	MAYNARD, MASSACHUSETTS	
FINAL SURFACE QUALITY	ENG.	DATE	TITLE	
REMOVE BURRS AND BREAK SHARP CORNERS	PROJ. ENG.	DATE	INDICATOR	
	PROD.	DATE	POWER SUPPLY 716	
MATERIAL	FIRST USED ON	D-UA-RF09-0-0		
FINISH	SCALE	1/1	SIZE CODE	NUMBER
	SHEET	OF 1	D UA	716-0-0
			REV.	F

REV. F  
 NUMBER 716-0-0  
 SIZE CODE D UA



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**NOTES:**  
 1. REPLACE 5 \* 8-32 x 5/16 LG PAN HD SCREWS SUPPLIED WITH ITEM \* 4 WITH ITEMS \* 43 & 44



**TOLERANCES DECIMALS**  
 .XXX = ±.005  
 .XX = ±.02  
 .X = ±.1

FIRST USED ON OPTION / MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
R509-0				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN. <i>of Linden</i>	DATE <i>6/1/69</i>	<b>digital EQUIPMENT CORPORATION</b> MAYNARD, MASSACHUSETTS <b>LINE FILTER &amp; PWR CONT 855</b>	
UNLESS OTHERWISE SPECIFIED	CHK'D. <i>X Kai</i>	DATE <i>6/23/69</i>		
DIMENSION IN INCHES	ENG. <i>W. J. ...</i>	DATE <i>7/21/69</i>		
TOLERANCES	PROG. ENG. <i>W. J. ...</i>	DATE <i>7/21/69</i>		
ANGLES = 90°	PROD. <i>W. J. ...</i>	DATE <i>7/21/69</i>	TITLE	
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	MATERIAL	FINISH	NEXT HIGHER ASSY	
			D-UA-R509-0-0	
	SCALE	SHEET	SIZE CODE	NUMBER
	1 OF 2	1	DUA	855-0-0
			DIST.	REV. B

REV.	CHANGE NO.	DATE	BY
A	855-00002	2-4-70	VONADA
E	855-00004	8-9-72	VONADA
		8-20-73	VONADA

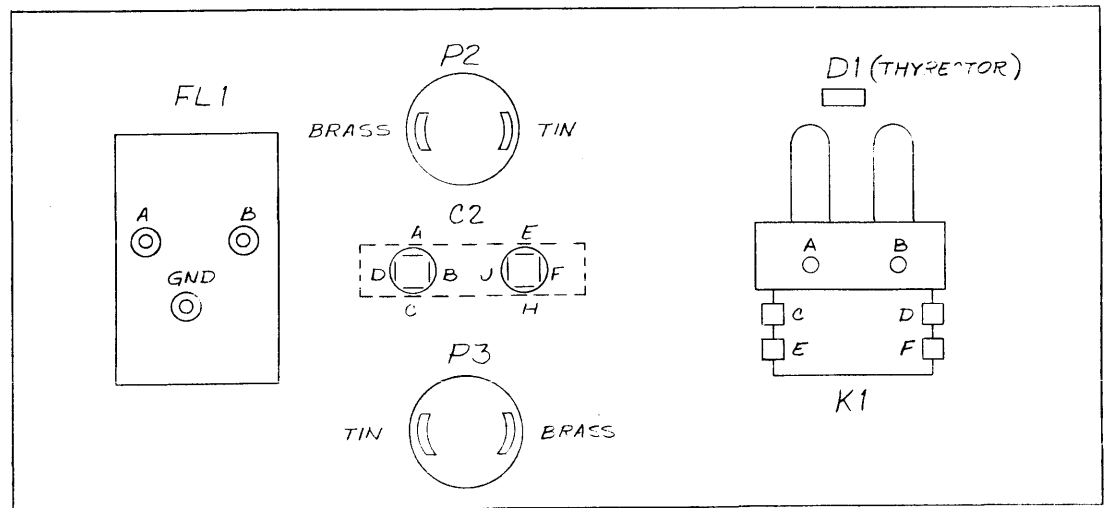
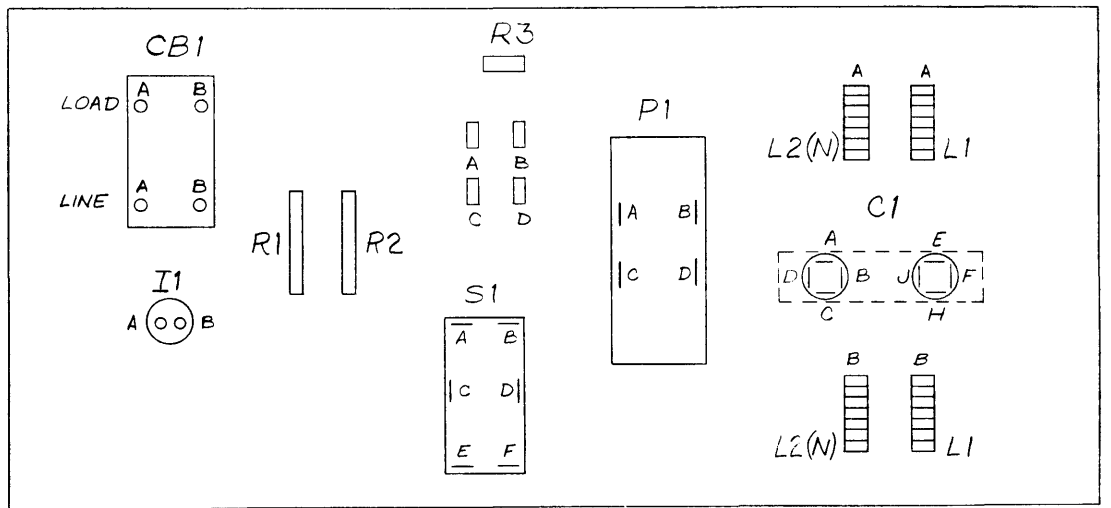
DEC FORM NO. 8

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WIRE TABLE						
ITEM NO	DESCRIPTION	CONNECT TO'S		EQUIP FROM WITH ITEMS	EQUIP TO WITH ITEMS	REMARKS
		FROM	TO			
40	#10 RED	FL1-A	CB1-LINE-B	23	23	
39	#10 WHT	FL1-B	CB1-LINE-A	23	23	
36	#14 BLK	FL1-END	P3-GND	22	22	
35	#14 WHT	CB1-LOAD-A	115V-E	22	*A	
46	#12 WHT	CB1-LOAD-A	P1-C	23	38	
35	#14 WHT	CB1-LOAD-A	C1-E	22	21	
46	#12 WHT	CB1-LOAD-A	K1-C	23	-	
33	#14 RED	CB1-LOAD-B	S1-F	22	21	
47	#12 RED	CB1-LOAD-B	K1-E	23	-	
47	#12 RED	CB1-LOAD-B	P1-D	23	21	
10	- RED	I1-A	CB1-LOAD-E	-	45	LIGHT (L1)
10	- BLK	I1-B	115V-A	-	*A	
35	#14 WHT	S1-A	C2-D	21	21	
33	#14 RED	S1-B	C2-F	21	21	
35	#14 WHT	S1-C	115V-C	21	*A	
33	#14 RED	S1-L	K1-B	21	22	

WIRE TABLE						
ITEM NO	DESCRIPTION	CONNECT TO'S		EQUIP FROM WITH ITEMS	EQUIP TO WITH ITEMS	REMARKS
		FROM	TO			
35	#14 WHT	115V-D	K1-A	*A	22	
43	#12 WHT	P1-A	L2(N)-A	38	*A	
47	#12 RED	P1-B	L1-A	38	*A	
47	#12 RED	C1-A	K1-L	38	-	
47	#12 RED	C1-C	L1-B	38	*A	
46	#12 WHT	C1-E	K1-U	38	-	
46	#12 WHT	C1-H	L2(N)-E	38	*A	
33	#14 RED	P2-BRASS	C2-E	*A	21	
35	#14 WHT	P2-TIN	C2-A	*A	21	
35	#14 WHT	P3-TIN	C2-C	*A	21	
33	#14 RED	P3-BRASS	C2-H	*A	21	
24	#14 BRN	115V-A	115V-B	21,24	21,24	
34	#14 ORN	115V-C	115V-D	21,24	21,24	
11	-	K1-A	K1-B	45,25	45,25	THYRECTOR(D1)
13	-	115V-A	115V-B	*A	*A	RES (R3)
14	-	115V-C	115V-D	37*A	37*A	RES (R1)
14	-	115V-C	115V-D	37*A	37*A	RES (R2)

NOTE: WIRE TABLE IS COMMON FOR LINE FILTER & PWR CONT 855.



REV	
CHANGE NO	
CHK	

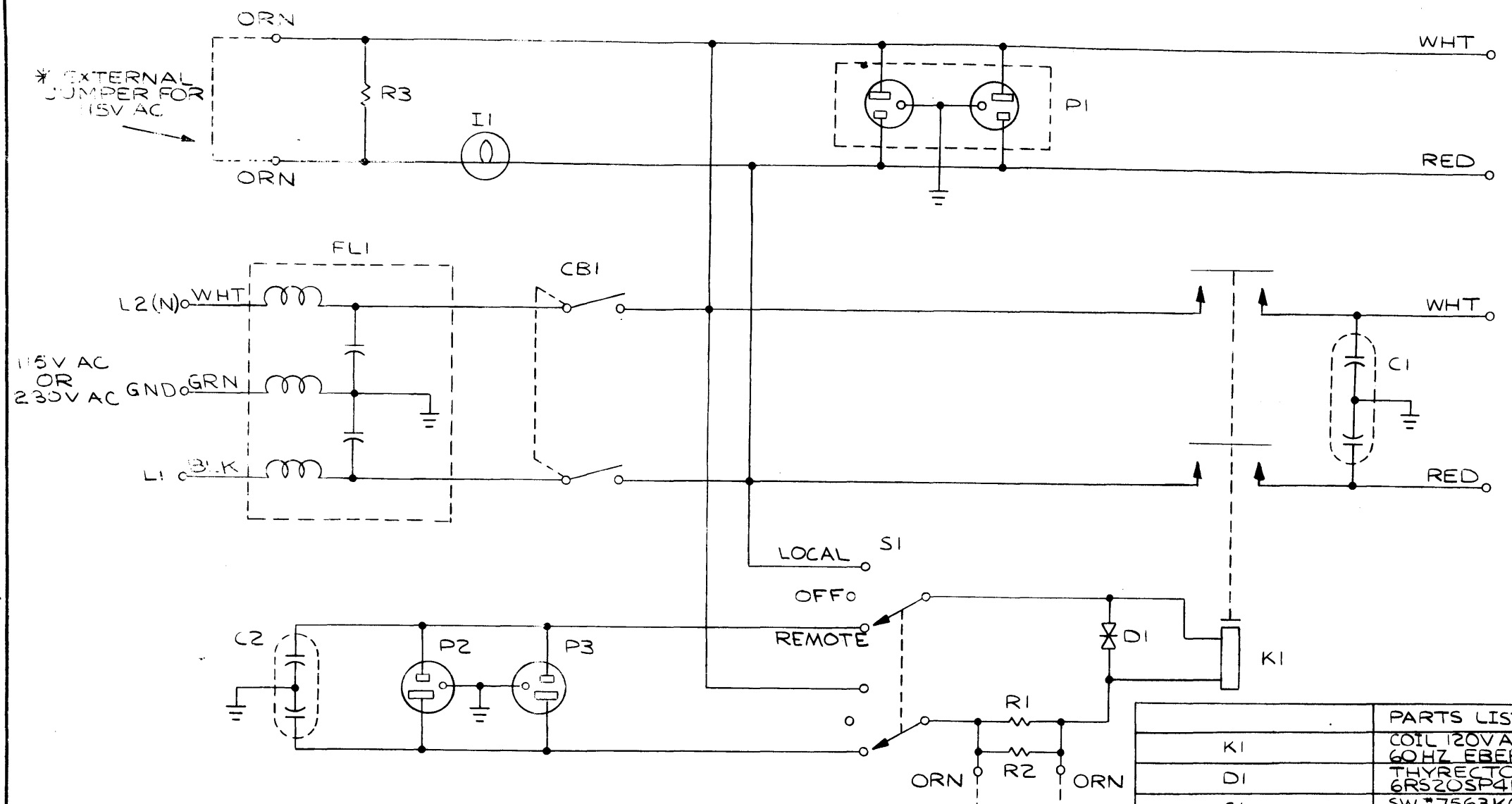
FIRST USED ON OPTION/MODEL  
RS09-0

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

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DRN	FLANDERS	DATE 6-21-69	<b>digital</b> EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS TITLE <b>LINE FILTER &amp; PWR CONT 855</b>
CHKD	HEALY	DATE 6-26-69	
ENG	ZNAMIEROWSKI	DATE 7-28-69	
PROJ. ENG	VICORADA	DATE 7-21-69	
PROD.	ANTONUCCIO	DATE 7-31-69	
NEXT HIGHER ASSY			
SCALE		SHEET 2 OF 2	
FINISH			
SIZE CODE	NUMBER	REV	
DUA	855-0-0	E	

REV B  
NUMBER 855-0-0  
SIZE CODE DUA

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NOTES:  
1. \* REMOVE JUMPER IF 230V AC

\* EXTERNAL JUMPER FOR 115V AC

REF DESIGNATION	DESCRIPTION	PART NO.
KI	COIL 120V AC 60HZ EBERT	1205768
DI	THYRECTOR 6RS20SP4B4	1100106
S1	SW *7563K6 DPST C.H.	1205964
CBI	CKT BKR 40AMP 2P. CURVE 4	1201219-02
P3	FEMALE AC PLUG *160-4 AMPH.	1201251
P2	MALE AC PLUG *160-5 AMPH.	1201252
P1	RECP DOUBLE *10103 A. HART	1205351
I1	LAMP *1020CS5 125V IND. DEV	1201280
FL1	LINE FILTER *JN17-3715B1	1209269
C1, C2	CAP 2X .1 MFD 1000V DC	1002153
R3	RES 130K, 1W, 5%	1305604
R1, R2	RES 2K, 10W, 10%	1305603

REVISIONS	CHK	CHG	NO.	REV.

DRN	DATE
A. Rainey	6-19-69
D. Stealy	6-26-69
B. V. Mack	7-28-69
R. J. ...	9-2-69

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

**digital** EQUIPMENT CORPORATION  
MAYNARD, MASSACHUSETTS

TITLE: CIRCUIT SCHEMATIC  
855

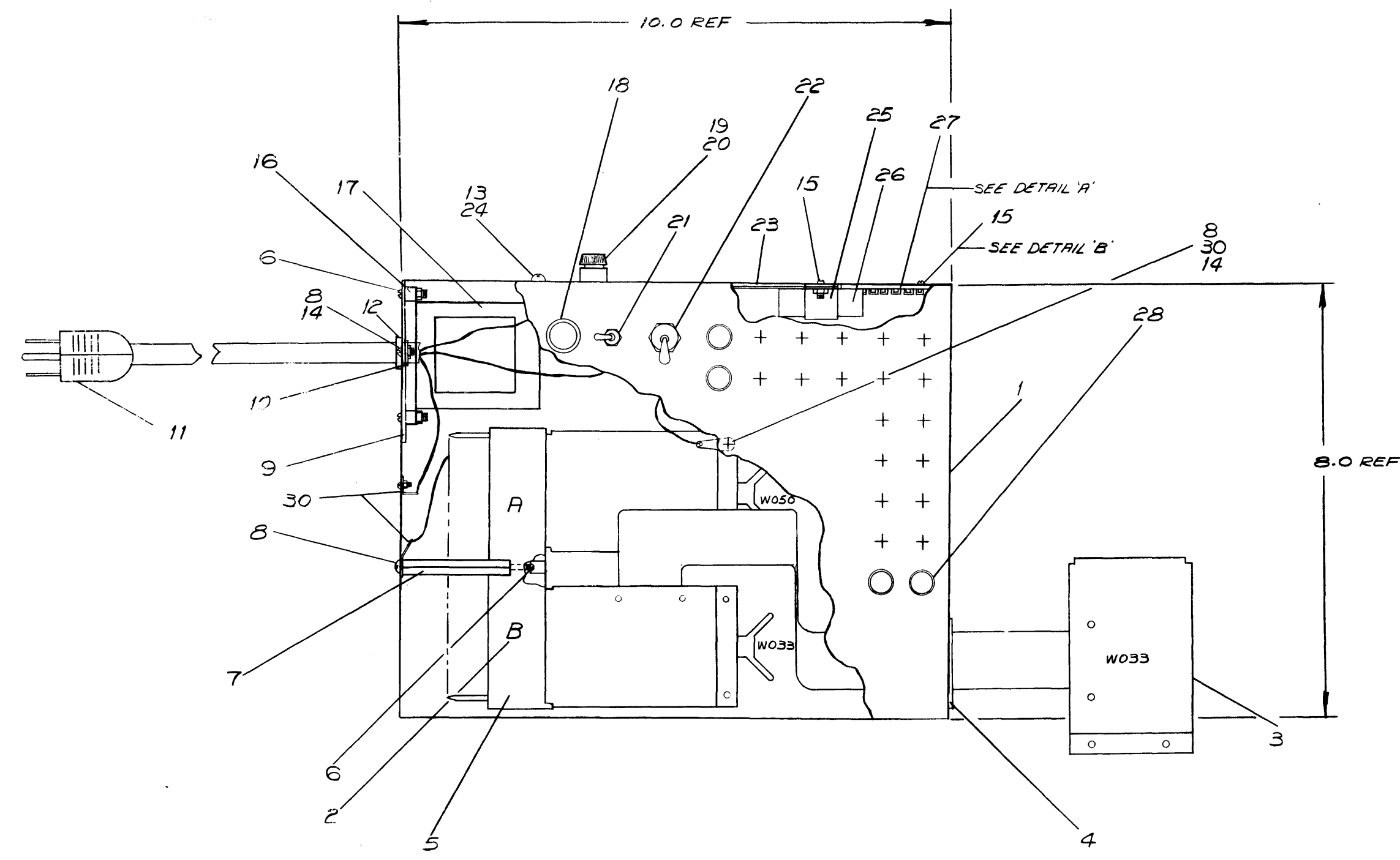
SIZE: C CS  
NUMBER: 855-0-1  
REV.:

PRINTED CIRCUIT REV.

REV. 855-0-1

PINK





REV.	CHANGE NO.	CHK.

DEC FORM NO DRD 100

FIRST USED ON OPTION/MODEL

**TOLERANCES DECIMAL**

.XXX = ± .005  
 .XX = ± .02  
 .X = ± .1

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

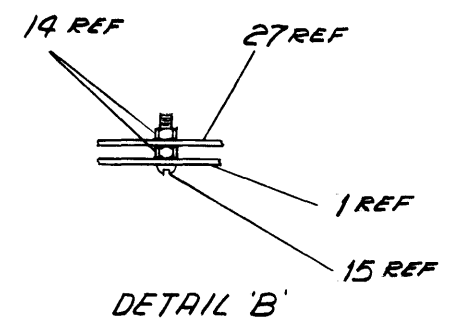
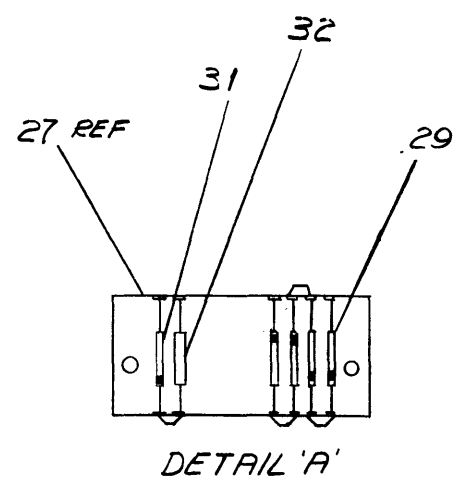
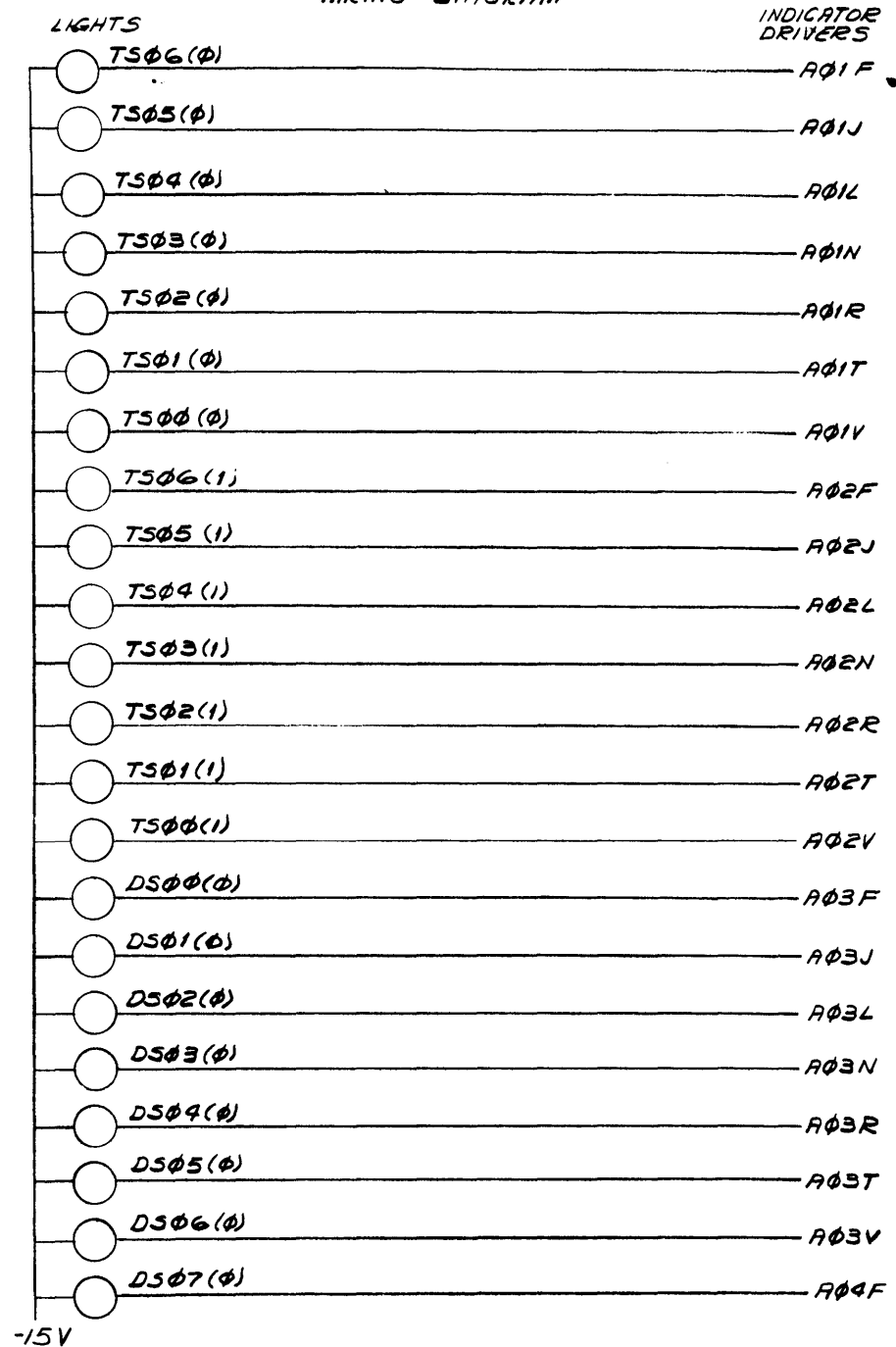
QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DRN.	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
CHK.	DATE	TITLE	
ENG.	DATE	RF09 TESTER	
PROJ. ENG.	DATE	SIZE CODE NUMBER REV.	
PROD.	DATE	DUA RF09-T-0	
NEXT HIGHER ASSY		SHEET 1 OF 2	
SCALE		DIST	

REV. 2  
 NUMBER RF09-T-0



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INDICATOR WIRING DIAGRAM



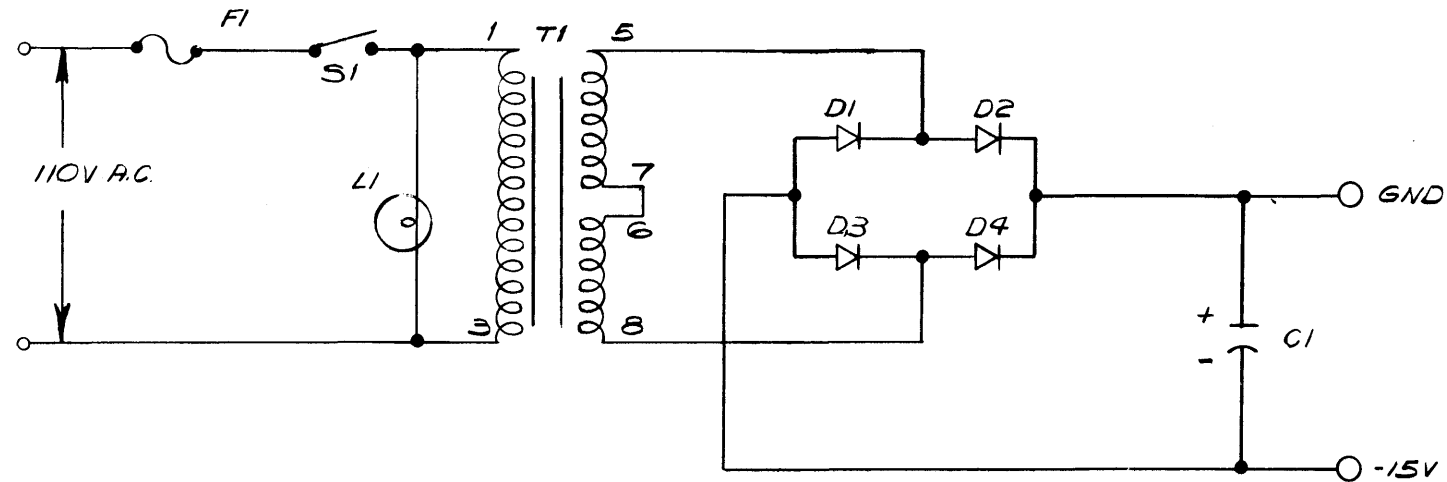
REV	
CHANGE NO	
CHK	

FIRST USED ON OPTION / MODEL  
RF09-T

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

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DRN	DATE 7-23-65	<b>digital</b> EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS TITLE RF09 TESTER	
CHK	DATE 8-11-65		
ENG.	DATE		
PROJ. ENG.	DATE		
PROD.	DATE		
MATERIAL		NEXT HIGHER ASSY	
FINISH		SCALE	SIZE CODE NUMBER
		SHEET 2 OF 2	DUA RF09-T-0

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T1	TRANS 23V50 12VCT	1605719
S1	SWITCH C-H 7503	1201331
L1	LIGHT. PILOT 110V	1205403
FI	FUSE .25A 3AG	9007203
D1, D2, D3, D4	DIODES 1A MRE 26	1103183
C1	CAP 1000 MFD 15 1	1000090
REF. DESIGN.	DESCRIPTION	PART NO.

REVISIONS CHK CHG NO. REV.	DATE 5-21-69 DATE 8-14-69 DATE 9/15/69 DATE 9/16/69	TRANSISTOR & DIODE CONVERSION CHART				<b>digital</b> EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE <b>POWER SUPPLY</b>		SIZE CODE NUMBER C CS RF09-T-01	EV
	DRW CHK ENG PROD	DEC EIA DEC EIA								

DEC FORM NO. DRC 102

PART

REV. NUMBER  
RF09-T-01

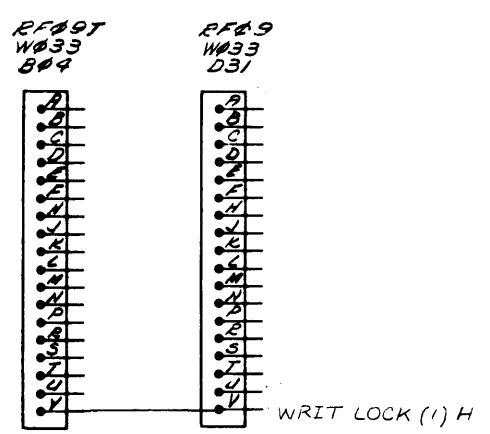
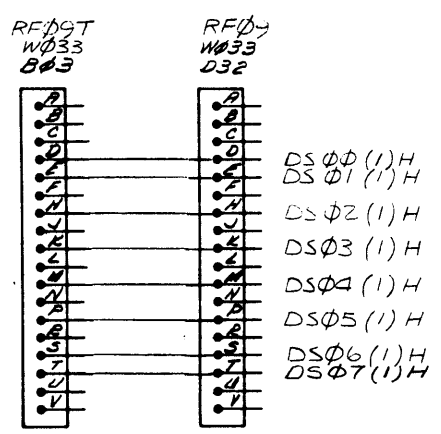
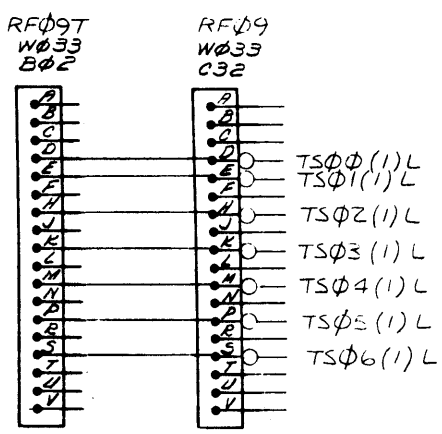
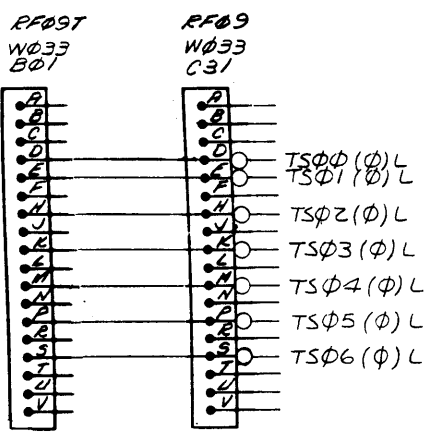
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D

C

B

A



D

C

B

A

REV	
CHANGE NO.	
CHK	

FIRST USED ON OPTION/MOD	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RF09				
UNLESS OTHERWISE SPECIFIED				
DIMENSION IN INCHES		DRN	DATE	PARTS LIST
TOLERANCES		CHK	DATE	
DECIMALS	FRACTIONS	ENG.	DATE	digital CORPORATION MAYNARD, MASSACHUSETTS
± .005	± 1/64	PROJ. ENG.	DATE	
FINAL SURFACE QUALITY		PROD.	DATE	
REMOVE BURRS AND BREAK SHARP CORNERS		TITLE		
		CABLES		
MATERIAL	NEXT HIGHER ASSY			
	A-ML-RF09-T			
FINISH	SCALE	SIZE/CODE	NUMBER	REV
		DIC RF09-T-02		
SHEET	OF	DIST.		

REV

NUMBER

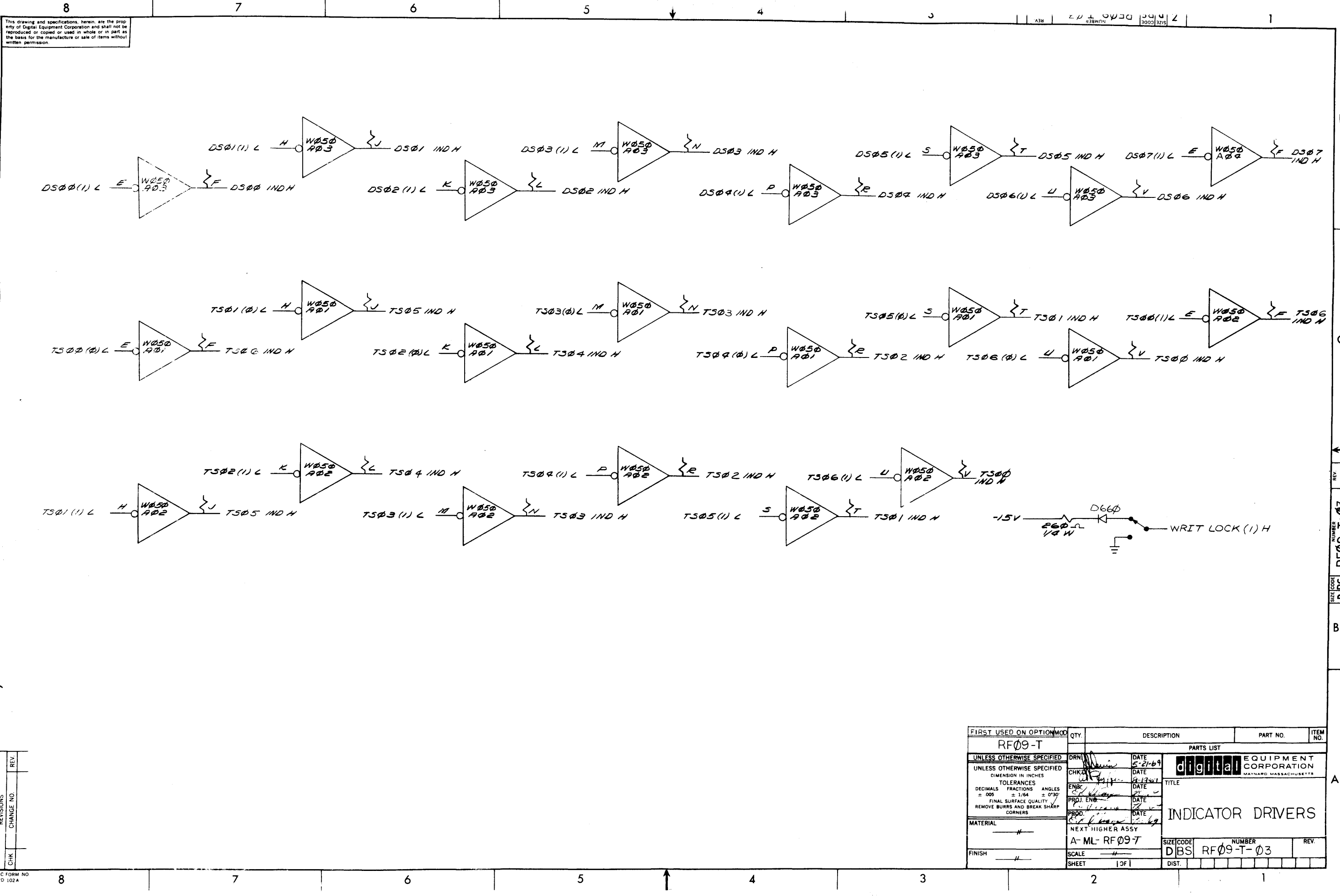
02 RF09-T-02

SIZE/CODE

B

A

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REVISIONS	NO.	REV.
CHK	CHANGE NO.	

FIRST USED ON OPTION	MOD.	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RF09-T					
UNLESS OTHERWISE SPECIFIED	DRN	DATE	PARTS LIST		
UNLESS OTHERWISE SPECIFIED	CHKD	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
UNLESS OTHERWISE SPECIFIED	ENGR	DATE	TITLE		
UNLESS OTHERWISE SPECIFIED	PROJ. ENG.	DATE	INDICATOR DRIVERS		
UNLESS OTHERWISE SPECIFIED	PROD.	DATE	NEXT HIGHER ASSY		
MATERIAL	A-ML-RF09-T		SIZE CODE	NUMBER	REV.
FINISH	SCALE		DBS	RF09-T-03	
	SHEET		1 OF 1	DIST.	

REV. NO. RF09-T-03

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REV 04 RFO9-T-04 DMU 2

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
D	USAGE	W050	W050	W050	W050																																							
		T500 IND H	T500 IND H	D500 IND H	D507 IND H																																							
A		THRU	THRU	THRU																																								
		T506 IND H	T506 IND H	D506 IND H																																								
B	USAGE	W033 CABLE	W033 CABLE	W033 CABLE	W033 CABLE																																							
		T500 Ø 1/2	T500 Ø 1/2	D500 Ø 1/2																																								
C		THRU	THRU	THRU	WIRE LOCK Ø 1/2																																							
		T506 Ø 1/2	T506 Ø 1/2	D507 Ø 1/2																																								


	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
B																																												


REVISIONS CHK CHANGE NO.	REV	
	1	
	2	
	3	
FIRST USED ON OPTION/MOD		RF09-T
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	NEXT HIGHER ASSY	
— # —	A-ML-RF09-T	
FINISH	SCALE	
— # —	1 OF 1	
DATE		7-24-69
CHK	DATE	
U. S. G.	8-6-69	
ENG.	DATE	
PROJ. ENG.	DATE	
PROD.	DATE	
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		TITLE
		MODULE UTILIZATION RF09-T
SIZE/CODE	NUMBER	REV.
DMU	RF09-T-04	

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SIGNAL NAME	FROM PIN	TO PIN	COLOR	REMARKS
TS0(0) L	B01D	A01E		
TS1(0) L	B01E	A01H		
TS2(0) L	B01H	A01K		
TS3(0) L	B01K	A01M		
TS4(0) L	B01M	A01P		
TS5(0) L	B01P	A01S		
TS6(0) L	B01S	A01U		
TS0(1) L	B02D	A02E		
TS1(1) L	B02E	A02H		
TS2(1) L	B02H	A02K		
TS3(1) L	B02K	A02M		
TS4(1) L	B02M	A02P		
TS5(1) L	B02P	A02S		
TS6(1) L	B02S	A02U		
DS0(1) H	B03D	A03E		
DS1(1) H	B03E	A03H		
DS2(1) H	B03H	A03K		
DS3(1) H	B03K	A03M		
DS4(1) H	B03M	A03P		
DS5(1) H	B03P	A03S		
DS6(1) H	B03S	A03U		
DS7(1) H	B03T	A04E		
Write Lock (1) H	write lock 5w	B04V		

SIGNAL NAME	FROM PIN	TO PIN	COLOR	REMARKS
TS6(0) IND H	A01F	Light Ind		
TS5(0) IND H	A01J	Light Ind		
TS4(0) IND H	A01L	Light Ind		
TS3(0) IND H	A01N	Light Ind		
TS2(0) IND H	A01R	Light Ind		
TS1(0) IND H	A01T	Light Ind		
TS0(0) IND H	A01V	Light Ind		
TS6(1) IND H	A02F	Light Ind		
TS5(1) IND H	A02J	Light Ind		
TS4(1) IND H	A02L	Light Ind		
TS3(1) IND H	A02N	Light Ind		
TS2(1) IND H	A02R	Light Ind		
TS1(1) IND H	A02T	Light Ind		
TS0(1) IND H	A02V	Light Ind		
DS0(0) IND H	A03F	Light Ind		
DS1(0) IND H	A03J	Light Ind		
DS2(0) IND H	A03L	Light Ind		
DS3(0) IND H	A03N	Light Ind		
DS4(0) IND H	A03R	Light Ind		
DS5(0) IND H	A03T	Light Ind		
DS6(0) IND H	A03V	Light Ind		
DS7(0) IND H	A04F	Light Ind		

REVISIONS				DATE 5-21-69	 MAYNARD, MASSACHUSETTS
REV.	DATE	CHG. NO.	APP'D.	DATE	
				DATE	
				DATE	
				DATE	
				TITLE	GENERAL WIRING SHEET FOR TRACK AND DISK SELECT MONITOR
				FIRST USED ON	
				NUMBER	
				SCALE	REV.
				SHEET 1 OF 2	NUMBER RF09-T-5
				DIST.	

REVISIONS				DATE 5-21-69	 MAYNARD, MASSACHUSETTS
REV.	DATE	CHG. NO.	APP'D.	DATE	
				DATE	
				DATE	
				DATE	
				TITLE	GENERAL WIRING SHEET FOR TRACK AND DISK SELECT MONITOR
				FIRST USED ON	
				NUMBER	
				SCALE	REV.
				SHEET 2 OF 2	NUMBER RF09-T-5
				DIST.	

PINK T

PINK T

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## DIGITAL EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

### PACKAGING INSTRUCTION

**TITLE** RS08 Cabinet-Mounted Disk  
Dry Packaging of Disk Assembly

REV: A DATE: 4/30/70  
B 7/10/70

#### MATERIAL REQUIREMENTS

Quantity	Identification No.	Purchase Specification	Description
1	--	99-05007	RS08 desiccant pan (1)
A/R	--	90-07834	3M Double-sided tape 1/2" wide (Scotch #4032)
1	--	99-05006	Bag of DRIERITE desiccant (3)
1	--	--	Plastic air inlet cap
As required	676	--	PERMACEL silver cloth tape
1	CMD7605746-0-0	--	Shipping bracket
2	90-06073-1	--	10-32 x 1/2 lg. machine screws
2	90-07651	--	External star washers

#### PACKAGING INSTRUCTIONS

Step	Procedure
1	Install and tighten Disk drive motor lock.
2	Disconnect blue, green, red, yellow, and black Disk drive motor leads.
3	Wrap leads around motor housing, and tape in place as shown in Figure 1.
4	Assemble the shipping bracket to the disk casting. Secure the disk motor to the bracket by using same motor-lock screw provided with motor lock.
5	Thoroughly clean dust and foreign matter from the desiccant pan.
6	Cut four strips of double-sided tape; then place them on the top side of the desiccant pan flange to form a gasket.
7	Place one 8-ounce bag of DRIERITE desiccant into the pan.
8	Remove the remaining backing from the gasket, place the pan over the disk motor, and affix the pan firmly to the disk casting. Be certain to offset the desiccant pan so that it does not interfere with the mercury relay in the logic section.
9	Using PERMACEL silver cloth tape, cut as shown in Figure 1, tape the entire flange area to secure and seal the pan to the disk casting.
10	Remove the air filtration hose, and cap the air access opening to seal the disk from the outside environment.

ENG. <i>J. W. Lawrence</i>	APPD. <i>J. W. Lawrence</i>	SIZE A	CODE PI	NUMBER 3700006-0-0
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SHEET 1 OF 2

DEC 8-1031

### MATERIAL HANDLING INSTRUCTION

REV: B DATE: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**TITLE** RS08 CABINET-MOUNTED DISK etc.

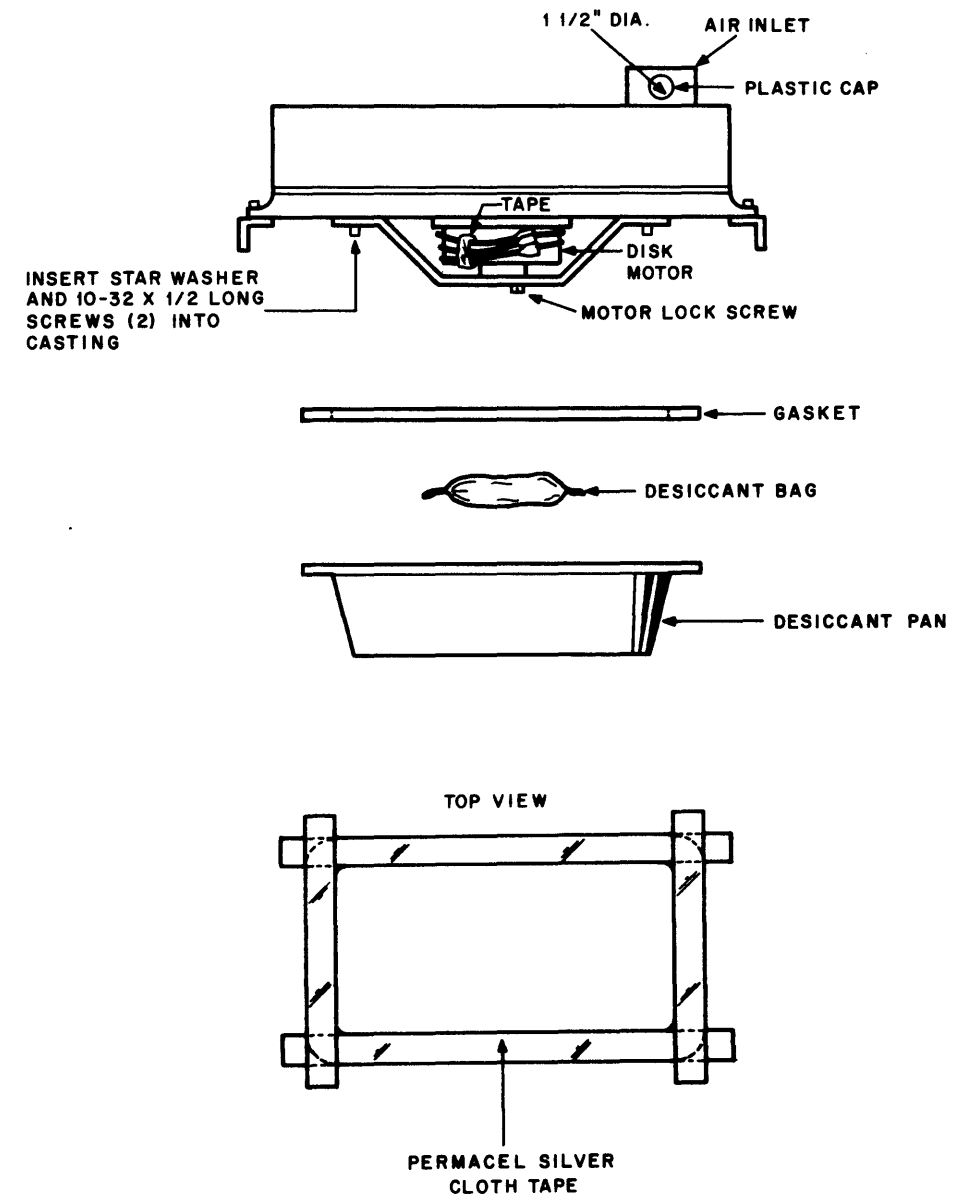


FIGURE 1

ENG. <i>J. W. Lawrence</i>	APPD. <i>J. W. Lawrence</i>	SIZE A	CODE PI	NUMBER 3700006-0-0
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DRC-108

SHEET 2 OF 2

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**DIGITAL EQUIPMENT CORPORATION  
MAYNARD MASSACHUSETTS**

**PACKAGING INSTRUCTION**

REV:   A   DATE: 10-72

TITLE RS08/09 PACKAGING INSTRUCTION

**MATERIAL REQUIREMENTS**

Quantity	Identification No.	Stock No.	Description
1	1913 1709	99-05019	RS08 Shipping Pallet
1	1-1914 1812 1210-0	99-05018	RS08 Inner Carton
1	3-1812 1710 0806-0	99-05223	Stitched Tube
8	A430-13	99-05017	Hardi-Pads (3 in.)
1	1-2604 2502 1904-0	99-05020	RS08 Outer Carton
4			Round Head Wood Screw, #10 x 1 in. length
2		9006073-1	10-32 x 1/2 Phillips Pan Head Machine screw.
1		9905006	8 oz. Bag of Dessicant
As required			3 in. wide Glas-Flex Tape
5		9905012-1	Envelope
2		9007651	#10 External star washers
1	C-MD-7605746-0-0		Shipping bracket
1		9905007	RS08 Dessicant Pan
As required	676		Permacel silver cloth tape
As required		9007834	3M Scotch #4032 Double-Sided Tape - 1/2 in. Wide

**PACKAGING INSTRUCTIONS**

Step	Procedure
1	Install and securely tighten the disk drive motor lock.
2	Wrap the blue, green, red, yellow and black disk drive motor leads around the motor housing and tape them in place as shown in Figure 1.
3	Assemble the shipping bracket (C-MD-7605746-0-0) to the disk casting using two #10-32 screws (9006073-1) and two external star washers (9007651). Secure the disk motor to the bracket using the same motor lock screw provided with motor lock.
4	Thoroughly clean foreign matter from the dessicant pan (9905007).

ENG J.W. Lawrence APPD J.W. Lawrence 4-16-71 SIZE A CODE PI NUMBER 3700014-0-0 REV A

**PACKAGING INSTRUCTION**

**CONTINUATION SHEET**

TITLE RS08/09 PACKAGING

- 5 Cut four strips of double-sided 3M Scotch #4032 tape and place them on the top side of the dessicant pan flange to form a gasket.  
Remove tape backing from only one side.
- 6 Place one 8 oz. bag of Drierite dessicant (9905006) onto the top of the shipping bracket.
- 7 Remove the remaining backing from the gasket, place the dessicant pan over the disk motor, and affix the pan firmly to the Disk Casting.
- 8 Using Permacel silver cloth tape, cut as shown in Figure 1, tape the entire dessicant pan flange area to secure and seal the pan to the Disk Casting.
- 9 Check to be sure the air access opening is capped to seal the disk from the outside environment.
- 10 Place the disk shipping pallet on a table with the four pallet mounting feet facing upward.
- 11 Place the disk onto the shipping pallet with the main casting resting on the four pallet feet.

NOTE

The shipping pallet and Disk casting are not symmetrical.

- 12 Using the four #10 round head wood screws, or an equivalent, securely fasten the Disk casting to the pallet mounting feet.
- 13 Cover the five Disk module cable cards with envelopes (9905012-1) and tape them to the black cover.
- 14 Tape together the bottom of the Disk inner carton (99-05018) with 3M Glas-Flex tape, then insert the stitched tube (99-05223) into the inner carton as shown in Figure 2.
- 15 Place the Disk into the inner carton with the Disk's black top facing down so that the shoulder of the Disk casting rests on the inner sleeve.

NOTE

The packing box and the casting are not symmetrical.

- 16 Using 3-in. wide Glas-Flex tape, tape the inner carton shut.
- 17 Place four Hardi corner pad assemblies into the bottom of the outer carton as shown in Figure 2.
- 18 Place the inner carton with the Disk into the outer carton so that it rests on the four corner pads.
- 19 Place four Hardi corner pads on top of the inner box.

J.W. Lawrence J.W. Lawrence 4-16-71 SIZE A CODE PI NUMBER 3700014-0-0 REV A



**PACKAGING INSTRUCTION**

CONTINUATION SHEET

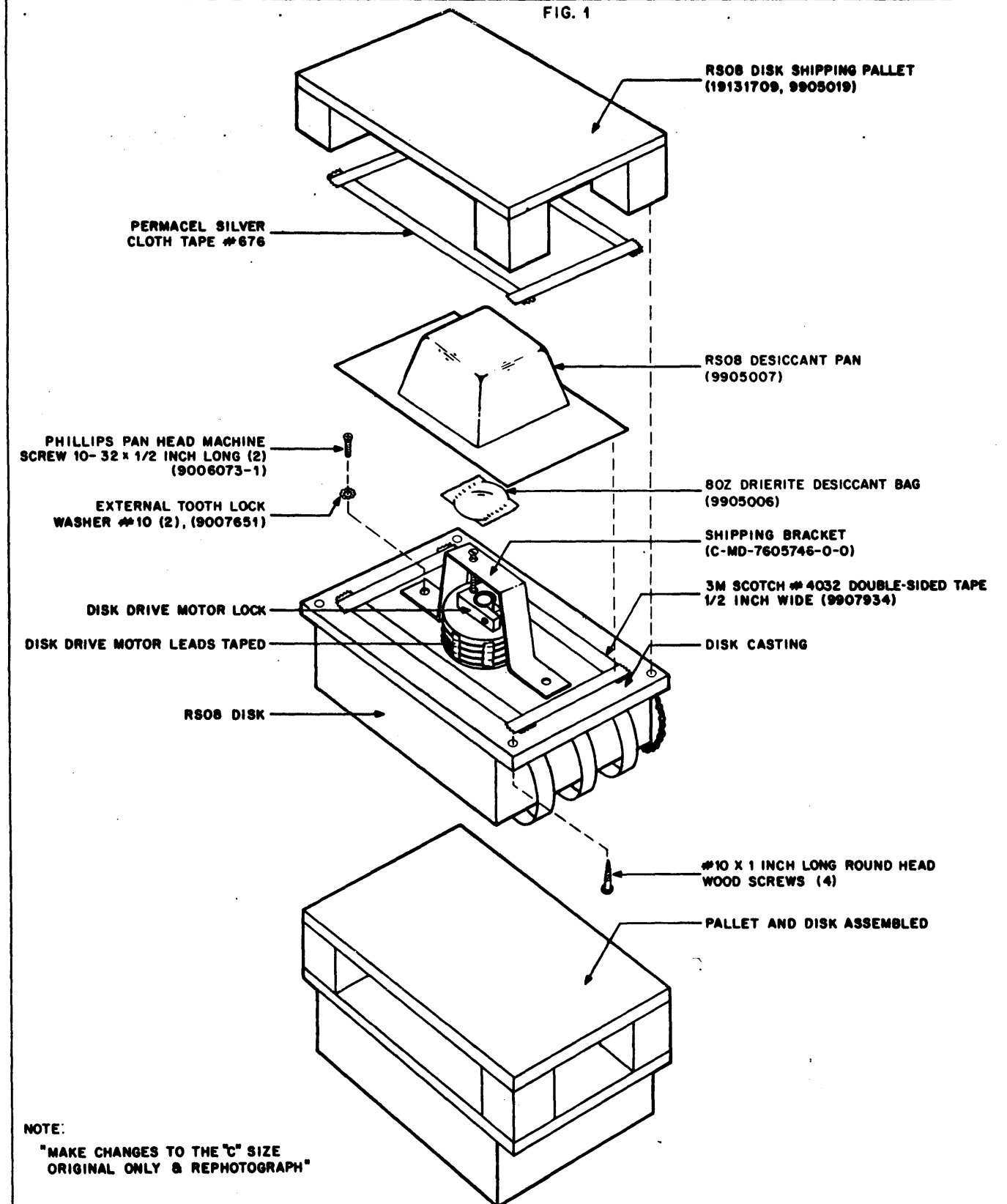
TITLE RS08/09 PACKAGING INSTRUCTION

- 20 Close the top of the outer carton and seal it tight with 3-in. Glas-Flex tape.
- 21 Strap the carton to a 27 x 32-in. pallet (D-PS-1210569-0-0).

**PACKAGING INSTRUCTIONS**

REV:   A   DATE:   10-72  

TITLE RS08/09 DISK



J.W. Lawrence	J.W. Lawrence 4-16-71	SIZE A	CODE PI	NUMBER 3700014-0-0	REV A
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ENG. J.W. Lawrence	APPD. J.W. Lawrence 4-16-71	SIZE A	CODE PI	NUMBER 3700014-0-0	REV A
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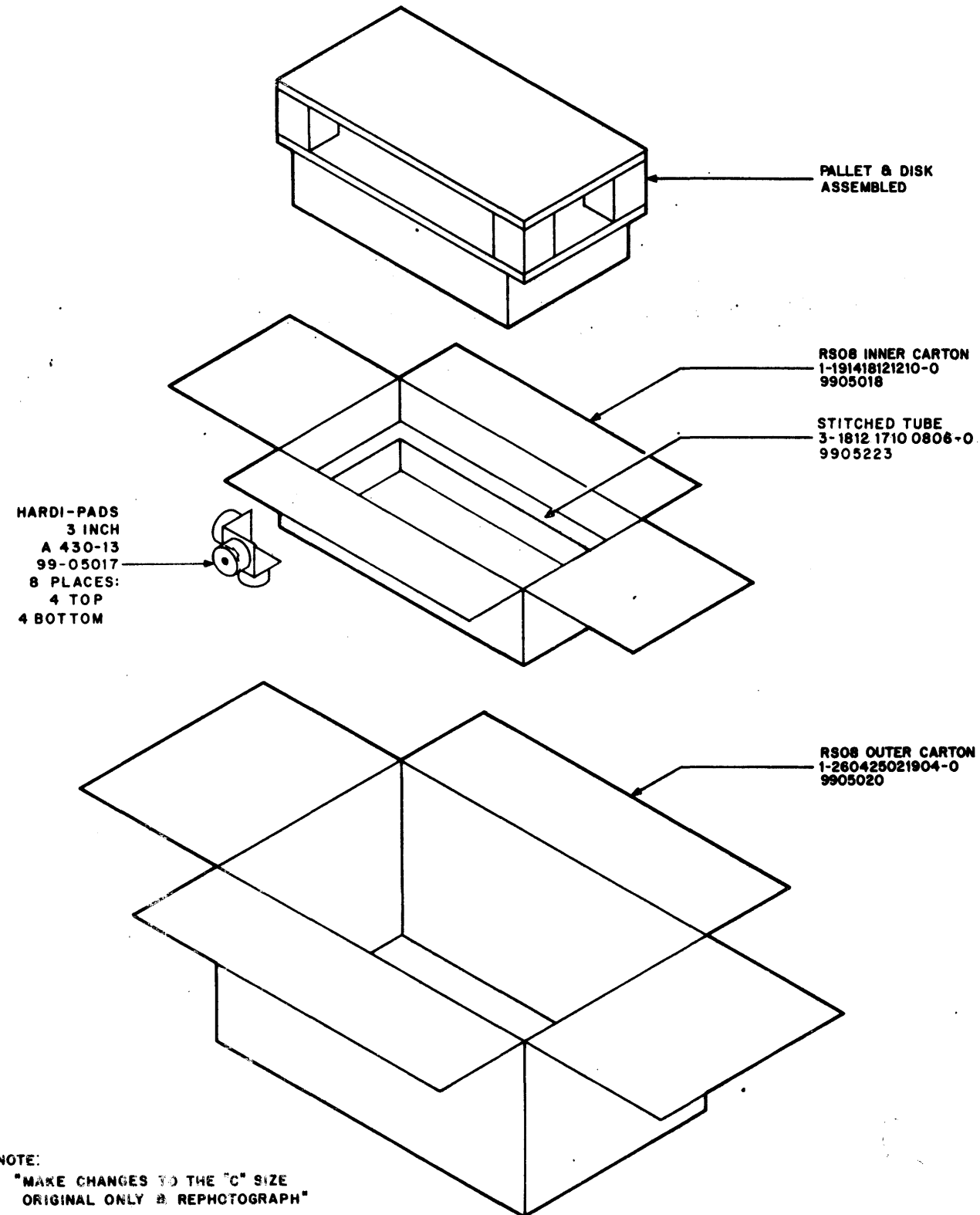
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# PACKAGING INSTRUCTIONS

REV:   A   DATE:   10-72  

TITLE  
RS08/09 DISK

FIG. 2



ENG. <i>J.W. Lawrence</i>	APPD. <i>J.W. Lawrence 4-16-71</i>	SIZE A	CODE PI	NUMBER 3700014-0-0	REV A
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