

Retyped 031671

# MASTER DRAWING LIST

DWG. NO.	REV.	NO. OF LET.	NO. OF SHEETS	TITLE
E-AU-8I-0-0	H	2		PDP-8/I ASSEMBLY
A-PL-8I-0-0	H	2		PDP-8/I ASSEMBLY (PARTS LIST)
D-DI-8I-0-21	W	2		PDP-8/I DRAWING INDEX
D-7005518-0-0	H	1		WIRED ASSEMBLY CASTING (8/I)
A-PL-7005518-0-0	H	1		WIRED ASSEMBLY CASTING (8/I) PARTS LIST
D-FD-8I-0-1	B	2		FLOW DIAGRAM (AUTO FUNCTIONS)
E-OD-8I-0-20	A	1		INSTALLATION DWG. EMCOR CAB
E-OD-8I-0-19	A	1		INSTALLATION DWG. BUD CAB
A-PL-7005707-0-0		1		O.E.M. SHIPPING CABINET
D-BS-8I-0-2	Z	2		TIMING MANUAL FUNCTIONS & RUN
D-BS-8I-0-3	J	1		INSTRUCTION REG & MAJOR STATES
D-BS-8I-0-4	J	1		REG OUTPUT GATE CONTROL
D-BS-8I-0-5	H	1		SHIFT & CARRY GATE CONTROL
D-BS-8I-0-6	H	1		REG INPUT CONTROL & SKIP
D-BS-8I-0-7	L	1		INTERRUPT & BREAK CONTROL
D-BS-8I-0-8	E	1		MAJOR REGISTERS
D-BS-8I-0-9	E	4		MAJOR REGISTERS GATING
D-BS-8I-0-10	P	1		I/O LEVEL CONVERTERS
D-BS-8I-0-11	E	1		TELETYPE RECEIVERS
D-BS-8I-0-12	C	1		TELETYPE TRANSMITTER
D-BS-8I-0-13	F	1		MEMORY CONTROL
D-BS-8I-0-14	D	1		SENSE AMPS & INHIBIT DRIVERS
D-BS-8I-0-15	C	1		"X" AXIS SELECTION
D-BS-8I-0-16	C	1		"Y" AXIS SELECTION
A-SP-8I-0-23	P	10		JUMPER SPECIFICATIONS
C-IC-8I-0-29		1		OPTION CABLE CONN
C-IC-8I-0-28	A	1		OPTION POWER REQ.
D-MU-8I-0-17	AN	2		MODULE UTILIZATION
C-PL-8I-0-17	AN	2		MODULE UTILIZATION (PARTS LIST)
D-AR-8I-0-25	D	4		SYSTEM CONFIGURATION (OPTIONAL)
D-AR-8I-0-24	B	4		BASIC CAB CONFIGURATION (OPTIONAL)
A-WL-8I-0-26	A	2		WIRING FOR POWER WIRES
K-WL-8I-0-18	BJ			WIRE LIST (8I)
A-WL-8I-0-31		2		GENERAL WIRING FOR TWISTED PAIR
D-CS-8I-0-27	A	1		CONSOLE SWITCHES & INDICATORS
A-SP-8I-0-30		4		PDP-8I ACCEPTANCE PROCEDURE
D-BL-7006021-0-0	J	1		8/I P.C. BACK PANEL KIT

## REVISIONS

DRN. R.Bernier DATE 080867

CHK'D. P. Daigneault DATE 0867

**digital** EQUIPMENT CORPORATION  
MAYNARD, MASSACHUSETTS

CU

3/71

00116

M.A.

ENG.

E. DeCastro

DATE

10/67

CV

6-16-71

00118

M.A.

ENG.

E. DeCastro

DATE

10/67

CW

9/71

00119

A. V.

PROJ. ENG.

E. DeCastro

DATE

10/67

CY

12/71

00121

A. V.

PROD. W.

W. Vaillancourt

DATE

8/67

FIRST USED ON

E-UA-8I-0-0

SIZE

CODE

NUMBER

REV.

CY

SCALE

A M L

8I-0

SHEET

1 OF 2

DIST.

# MASTER DRAWING LIST

DWG. NO.	REV.	NO. OF LET.	NO. OF SHEETS	TITLE
C-CS-704-0-1	REF			CIRCUIT SCHEMATIC 704A
D-IC-8I-0-32	A	2		AC HARNESS CONNECTIONS TO PDP-8I
A-AL-8I-0-35		1		PDP-8I ACCESSORY LIST
				- IN HOUSE USE ONLY -
A-CV-8I-0-33		1		CUSTOMER VARIATIONS
A-SP-8I-0-34		2		8I/8L BUS

## REVISIONS

DRN. R.Bernier

DATE 8/67

CHK'D. P.

Daigneault

DATE 8/67

ENG.

E. DeCastro

DATE 10/67

PROJ. ENG.

E. DeCastro

DATE 10/67

PROD. W.

W. Vaillancourt

DATE Sept 8/67

FIRST USED ON

E-UA-8I-0-0

SIZE

CODE

NUMBER

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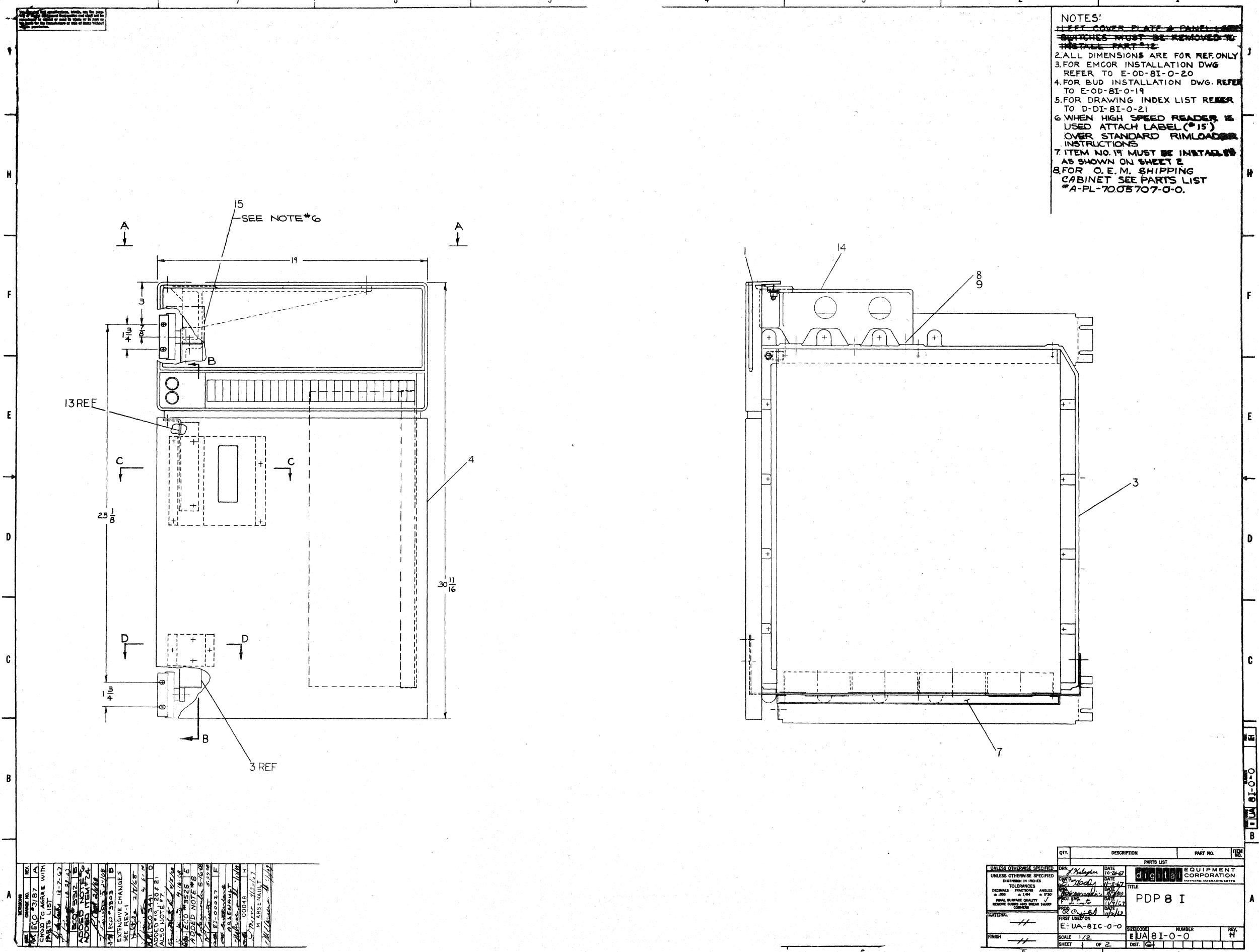
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A M L

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SHEET 2 OF 2

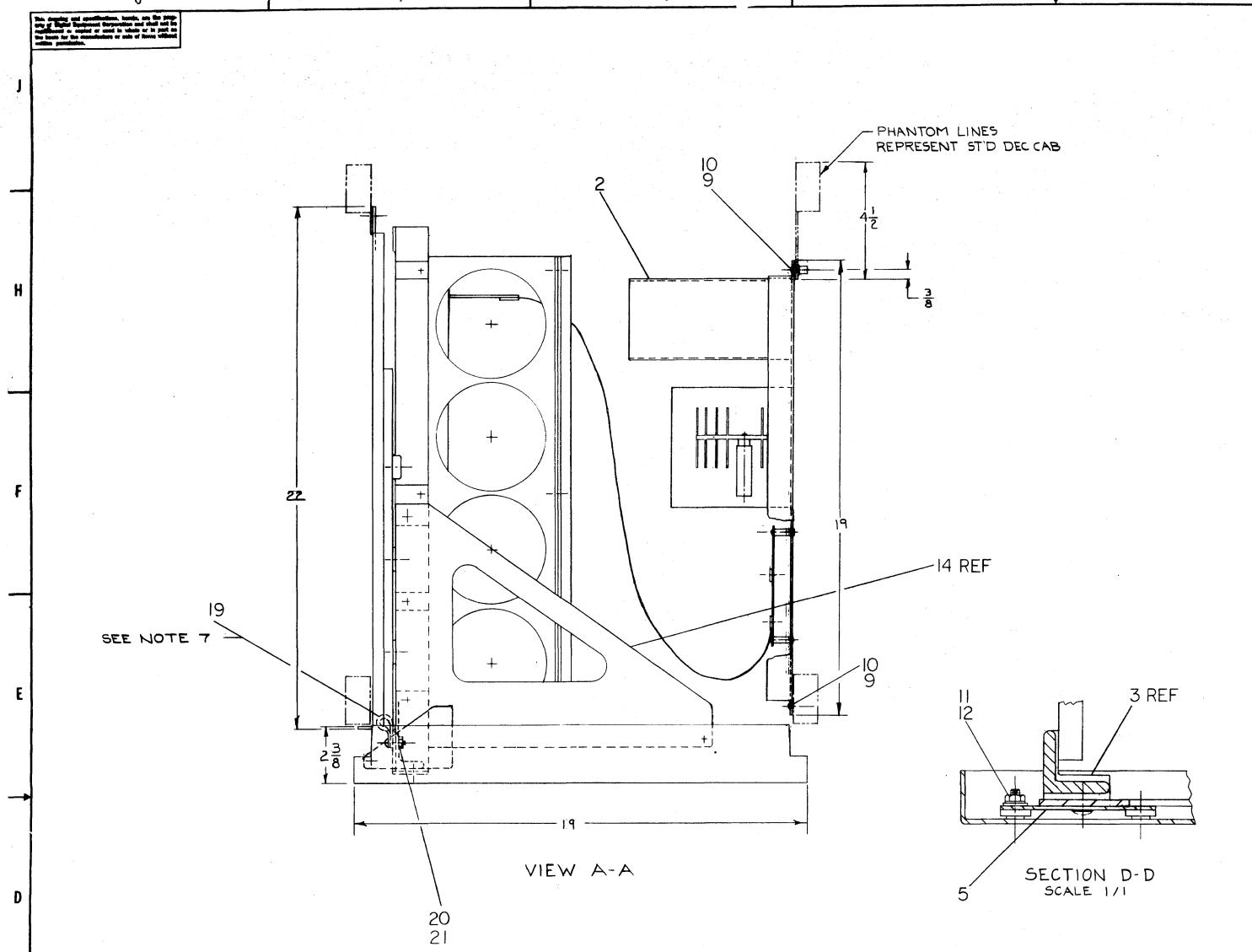
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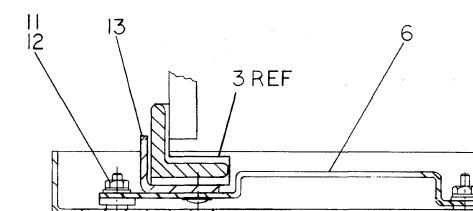
REVISIONS		REV.
CHG	CHANGE NO.	
DEC FORM DRE 100		

DEC FORM  
DRIE 100

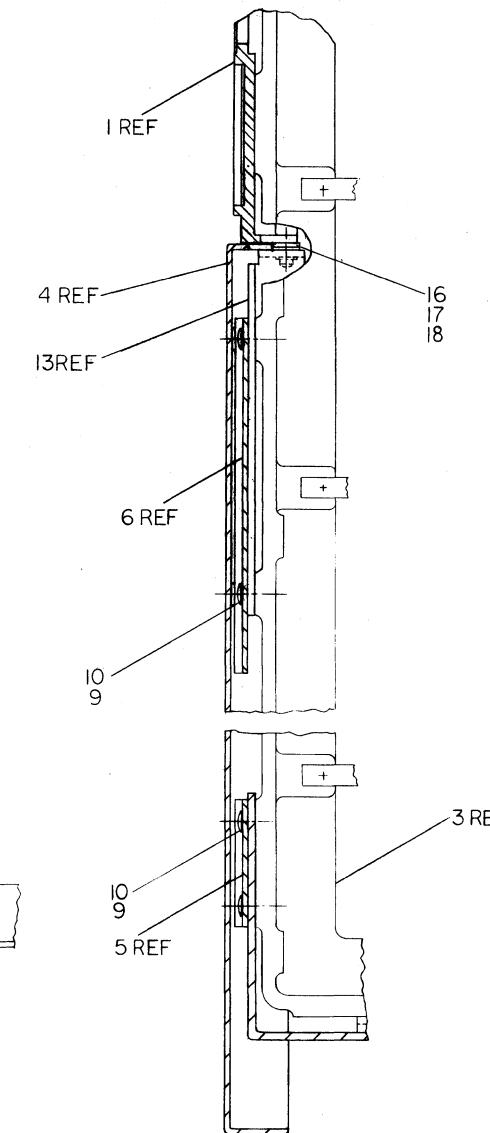


VIEW A-

SECTION D  
SCALE 1/1



SECTION C-  
SCALE 1/1



SECTION B-1  
SCALE 1/1

QTY.	DESCRIPTION	PART NO.	ITEM NO.
			PARTS LIST
LESS OTHERWISE SPECIFIED			
LESS OTHERWISE SPECIFIED			
DIMENSION IN INCHES			
TOLERANCES			
NORMAL TOLERANCE ± .005			
EXCEPT 1.000 ± .004			
FINAL SURFACE QUALITY ✓ REMOVE BURRS AND BREAK SWarf COMBINE			
FIRST USED ON E-U-A-SIC-0-0			
SCALE	1/2	SIZE CODE	EUA
SHEET	2 OF 2	NUMBER	81-0-0
DIST.	G	REV.	H

## MAYNARD, MASSACHUSETTS

## REVISIONS

PART NO.	DRWG. NO.	NO. REQD.	DESCRIPTION ITEM — STOCK SIZE — CAT. NO. — MFG.	DEC. STOCK NO.	CHANGE NO.	DATE	ENG.
1	E-AD-7005554-0-0	1	CONTROL PANEL ASSY	7005554	C-3303 REV. & REDRAWN, AD	10/26/67	PBP
2	D-UA-704A-0-0	1	POWER SUPPLY 704A	704A	FOR UNITS 26 AND ABOVE		
3	E-AD-7005547-0-0	1	LOGIC ASSY	7005547	D-3441 ADDED ITEM	4/5/68	XBP
4	D-IA-7406295-0-0	1	FRONT PANEL	7406295	#19 #20 & 21		
5	C-IA-7406347-0-0	1	BRKT SUPPORT BOTTOM	7406347	E-3525 UPDATED REV	5/20 68	180
6	C-IA-7406338-0-0	1	PRKT SUPPORT TOP	7406339	TO AGREE WITH ASSY		
7		1	FILTER, FAN	1205748	F-8I- 00027	7/1/67	ME
8		3	SCR, SOC HD #10-32 x 5/8		H-8I- 00048	5/11/69	ME
9		15	WASH, INT TOOTH #10				
10		12	SCR, PHL HD TRUSS #10=32 x 5/8 SST	9006074-1			
11		6	NUT, KEPS #10-32 SST				
12		6	WASH, FLAT $\frac{1}{2}$ O.D. x 7/32 I.D. x 3/64 THK SST				
13	C-MD-7406550-0-0	1	BRKT PIVOT POINT (LOWER)	7406550			
14	E-IA-7406105-0-0	1	CASTING, PANEL SUPPORT (REWORK)	7406105			
15	B-IA07406563-0-0	1	LABEL, HIGH SPEED RIM LOADER	7406563			
16		2	WASH FLAT $\frac{1}{2}$ O.D. x 9/32 I.D. x 1/16 THK				
MADE BY J. KALAGHER	DATE 10/26/67	TITLE PDP 8I	SIZE A	CODE PL	NUMBER 8I-0-0	REV. H	
CHECKED D. HEALY	DATE 11/2/67	FOR G	ASSY. NO. E-UA-8I-0-0	SHEET 1 OF 2			
ENG. S. ZNAMEROWSKI	11/7/67						

DEC FORM NO.  
DRA 109

## PARTS LIST

DIGITAL EQUIPMENT CORPORATION  
MAYNARD, MASSACHUSETTS

## REVISIONS

PART NO.	DRWG. NO.	NO. REQD.	DESCRIPTION ITEM — STOCK SIZE — CAT. NO. — MFG.	DEC. STOCK NO.	CHANGE NO.	DATE	ENG.
17		1	SCR, PHL HD TRUSS #6-32 x $\frac{1}{2}$ SST	9006024-3			
18		1	WASH INT TOOTH #6				
19		1	CLAMP CABLE 5/16 DIA	9007082			
20		1	SCR PHL HD TRUSS #8 x 3/4 SST	9006482			
21		1	NUT KEPS #8-32	9006563			
22	C-UA-5408279-0-0	1	SWITCH FILTER (NOT SHOWN)				
MADE BY J. KALAGHER	DATE 10/26/67	TITLE PDP 8I	SIZE A	CODE PL	NUMBER 8I-0-0	REV. H	OTE:
CHECKED D. HEALY	DATE 11/2/67	FOR G	ASSY. NO. E-UA-8I-0-0	SHEET 2 OF 2			
ENG. S. ZNAMEROWSKI	11/7/67						

DEC FORM NO.  
DRA 109

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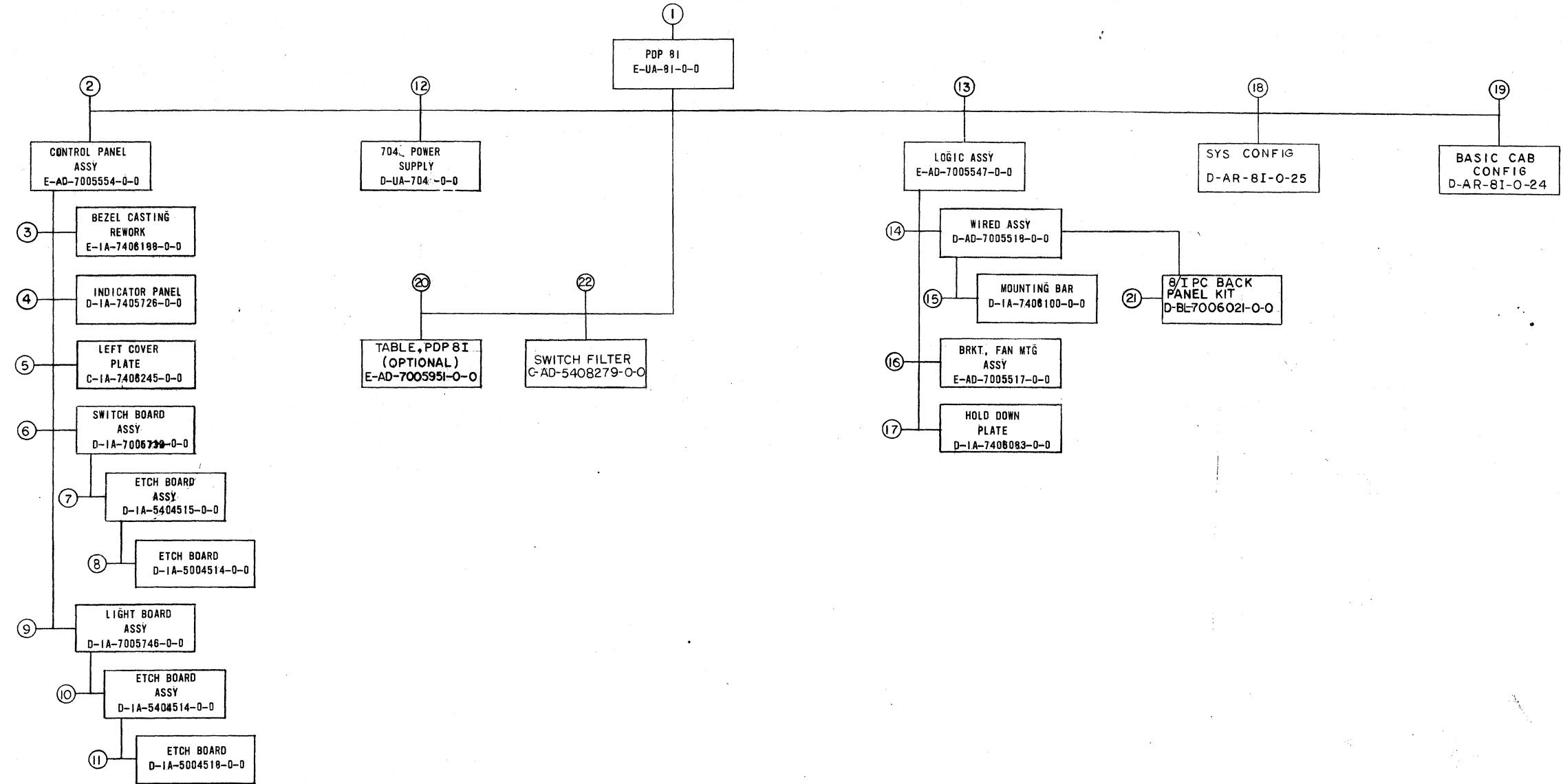
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D

D



REVISIONS	CHANGE NO.	REV.
ECO 3303	C	
REVISED & REDRAWN		
INITIAL 2/12/67		
ECO #3374 D		
ADDED CHG DWG * FROM E-AD-7005554 TO 700554-0-0		
ECO #3374 E		
FIND #2 CHG DWG * FROM E-AD-7005554 TO 700554-0-0		
ECO #3374 F		
CHG FIND # 17		
ECO #3374 G		
CHG FIND # 19		
ECO #3374 H		
ADDED FIND # 18 & 19		
ECO #3374 I		
CHG FIND # 19		
ECO #3374 J		
CHG FIND # 19		
ECO #3374 K		
CHG FIND # 19		
ECO #3374 L		
CHG FIND # 19		
ECO #3374 M		
CHG FIND # 19		
ECO #3374 N		
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CHG FIND # 19		
ECO #3374 V		
CHG FIND # 19		
ECO #3374 W		
CHG FIND # 19		
ECO #3374 X		
CHG FIND # 19		
ECO #3374 Y		
CHG FIND # 19		
ECO #3374 Z		
CHG FIND # 19		

ASSY DWG # E-UA-8I-0-0

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DRN DOUG HALL	DATE 10/23/67	EQUIPMENT CORPORATION	
CHK'D. D. HEALY	DATE 11/7/67	digital	MAYNARD, MASSACHUSETTS
ENG. G. ZNAMEROWSKI	DATE 11/7/67	TITLE	
PROJ. ENG. ED DECASTRO	DATE 11/9/67		
PROD. R. CAJOLET	DATE 11/8/67		
FIRST USED ON E-UA-8I-0-0			
FINISH SCALE NONE			
SHEET 1 OF 2			
DIST. G REV. W			

### PDP 8/I DRAWING INDEX LIST

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QTY.	DESCRIPTION		PART NO.	ITEM NO.
PARTS LIST				
DRN. <u>DOUG HALL</u>	DATE <u>10/28/67</u>	<b>digital</b>	EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
CHK'D. <u>D. HEALY</u>	DATE <u>11/7/67</u>	TITLE		
ENG. <u>S. ZHAMEROWSKI</u>	DATE <u>11/7/67</u>	PDP 8/I DRAWING		
PROJ. ENG. <u>ED DECASTRO</u>	DATE <u>11/7/67</u>	INDEX LIST		
PROD. <u>R. CATELET</u>	DATE <u>11/8/67</u>			
FIRST USED ON <u>E-UA-8I-0-0</u>		SIZE	CODE	NUMBER
SCALE <u>NONE</u>		<u>DDI</u>	<u>8I-0-21</u>	REV <u>A</u>
SHEET <u>2</u> OF <u>2</u>		DISP.		

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REVISIONS  
CHANGE NO.  
REV.  
ECO # 3158 A  
CHANGED PARTS  
LIST  
Rev. 11-8-67

B  
ECO # 3300 B  
CHG'D PARTS LIST  
DRC 10-6-67

C  
ECO # 3303 C  
WIRED ASSY  
CASTING  
Rev. 1-7-68

D  
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Rev. 2-9-68

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Rev. 2-9-68

P  
ECO # 3303 P  
WIRED ASSY  
Rev. 2-9-68

Q  
ECO # 3303 Q  
WIRED ASSY  
Rev. 2-9-68

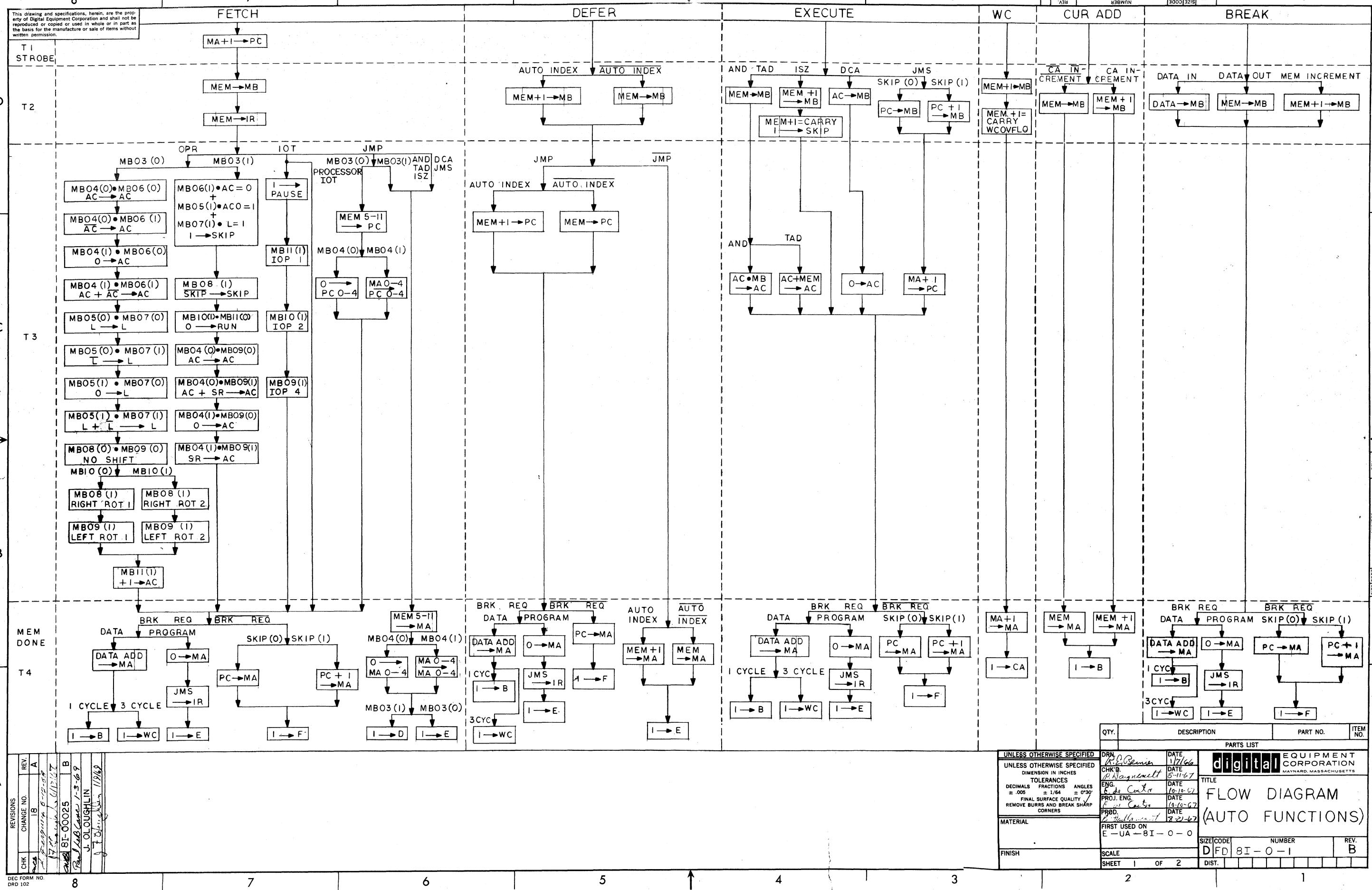
R  
ECO # 3303 R  
WIRED ASSY  
Rev. 2-9-68

S  
ECO # 3303 S  
WIRED ASSY  
Rev. 2-9-68

**PARTS LIST****DIGITAL EQUIPMENT CORPORATION**  
MAYNARD, MASSACHUSETTS**REVISIONS**

PART NO.	DRWG. NO.	NO. REQD.	DESCRIPTION ITEM — STOCK SIZE — CAT. NO. — MFG.	DEC. STOCK NO.	CHANGE NO.	DATE	ENG.
1	E-IA-7406078-0-0	1	WIRING CASTING REWORK	7406078	A-3158	11-8-67	CHGD JM
2	D-IA-7406100-0-0	4	MTG BAR	7406100	CHGD PART #7		
3		20	SCR, PHL HD FIL POSI DRIVE 8-32 x 3/8 C.P.S.		B-3300	1/25/68	PP
4		20	TERMINAL-2116-08-00 SHAKEPROOF		CHGD PART #7		
5	E-SC-1205348-0-0	40	288 PIN CONN BLOCK	1205348	B-3303	1/31/68	YB
6		80	SCR, PHL HD FIL POSI DRIVE 8-32 x 3/4 C.P.S.		C-6	2/9/68	RGS
7		8	SCR PHL HD TRUSS 8-32 X 3/4 SST NYLON LOCKING 8-32 x 1/16 INCHES		D-9	3-6-68	BY
8		AS REQ'D	STRIP, BUS	1205541	E-3405466- 00001	7-18-68	RGS
9		AS REQ'D	PANEL SCOTCHCALS 1/4 HIGH BLK		F-8I-00030	3/1/68	MEQ
10		3	NEOPRENE PAD 1/16 X 1 X 2	9007924	H-8I-00033	3/1/68	MEQ
11		A/R	DOUBLE SIDED TAPE *4032	9007834			
MADE BY DOM FASOLI	DATE 6/19/67	TITLE WIRED ASS'Y (8I)	SIZE A	CODE PL	NUMBER 7005518-0-0	REV. H	
CHECKED D. HEALY	DATE 8/1/67	FOR			ASSY. NO. D-AD-7005518-0-0	SHEET 1 OF 1	
ENG. D. Healy	DATE 9/22/67						

DEC FORM NO.  
DRA 109

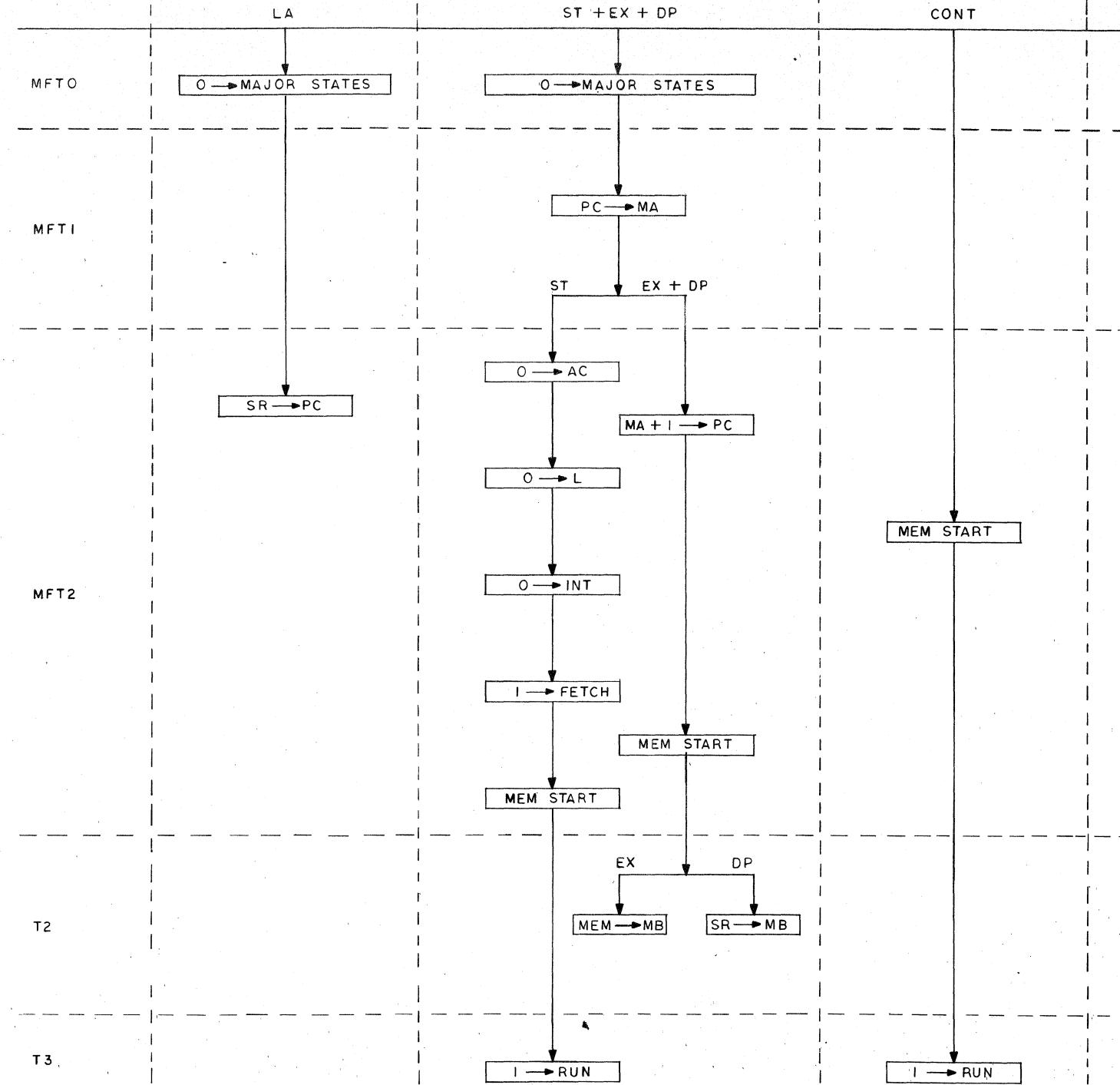


PARTS LIST			
UNLESS OTHERWISE SPECIFIED		EQUIPMENT CORPORATION digital MAYNARD, MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		DRW. <i>A. G. Semier</i>	DATE 1/17/66
TOLERANCES		CHK'D. <i>P. Naginelli</i>	DATE 8-11-67
DECIMALS / FRACTIONAL / ANGLES $\pm .005$ $\pm 1/64$ $\pm 0^{\circ}30'$		ENG. <i>A. de Costa</i>	DATE 10-10-67
FINAL SURFACE QUALITY / REMOVE BURRS AND BREAK SHARP CORNERS		PROJ. ENG. <i>A. de Costa</i>	DATE 10-10-67
MATERIAL		PRD. <i>B. Hall</i>	DATE 12-21-67
FINISH		FIRST USED ON E - UA - 8I - O - O	
SCALE		SIZE CODE D/FD	NUMBER 8I - O - I
SHEET   OF 2		DIST.	REV. B

**digital** EQUIPMENT  
CORPORATION

## FLOW DIAGRAM AUTO FUNCTIONS)

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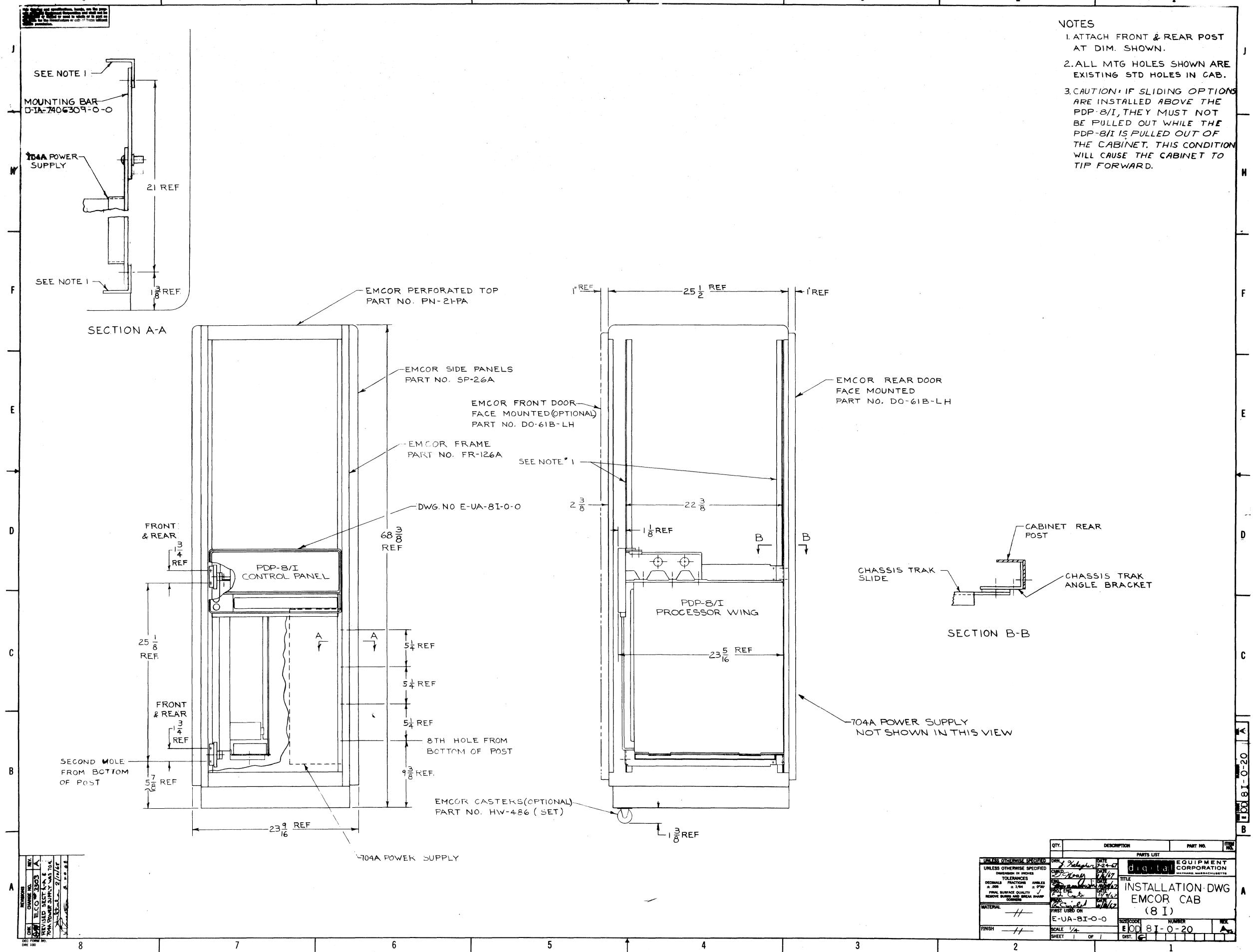


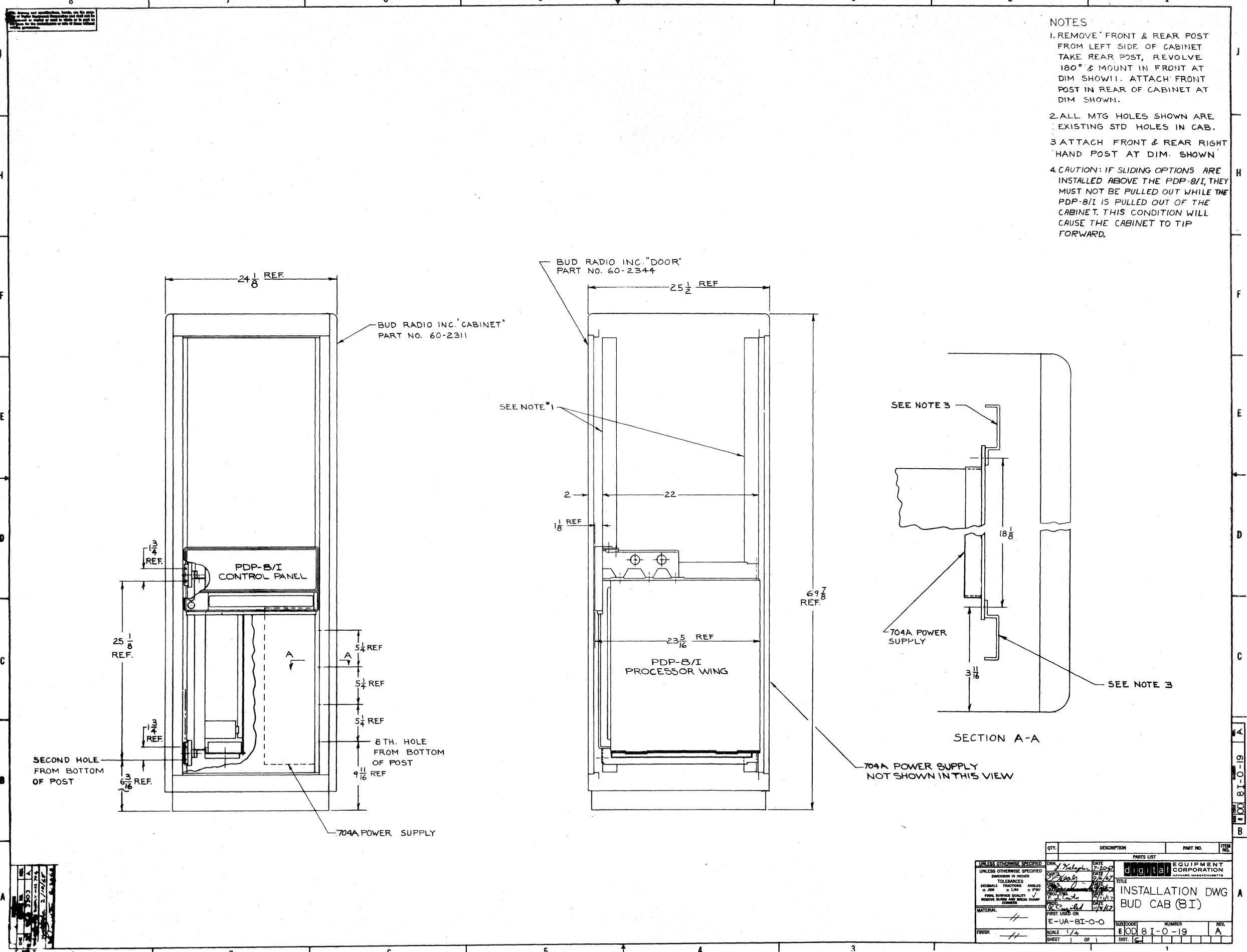
REVISIONS		REV.
HK	CHANGE NO.	

DEC FORM NO.  
DRD 102

	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
<b>UNLESS OTHERWISE SPECIFIED</b>				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES				
TOLERANCES				
DECIMALS	FRACTIONS	ANGLES		
$\pm .005$	$\pm 1/64$	$\pm 0^{\circ}30'$		
FINAL SURFACE QUALITY / REMOVE BURRS AND BREAK SHARP CORNERS				
MATERIAL				
FIRST USED ON E - UA - 8I - O - O				
FINISH				
SCALE				
SHEET 2 OF 2				
DRN. <i>K.D. Bernier</i>	DATE <i>1/1/67</i>	CHK'D. <i>B. Langley</i>	DATE <i>2-11-67</i>	EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
ENG. <i>C. de C. L.</i>	DATE <i>10-10-67</i>	PROJ. ENG. <i>C. de C. L.</i>	DATE <i>10-10-67</i>	TITLE: <b>FLOW DIAGRAM (MAN FUNCTIONS)</b>
PROB. <i>B. Hallenbeck</i>	DATE <i>8-21-67</i>	SIZE CODE	NUMBER	REV.
D	FD	8I - O - !		B
DIST.				

# FLOW DIAGRAM (MAN FUNCTIONS)





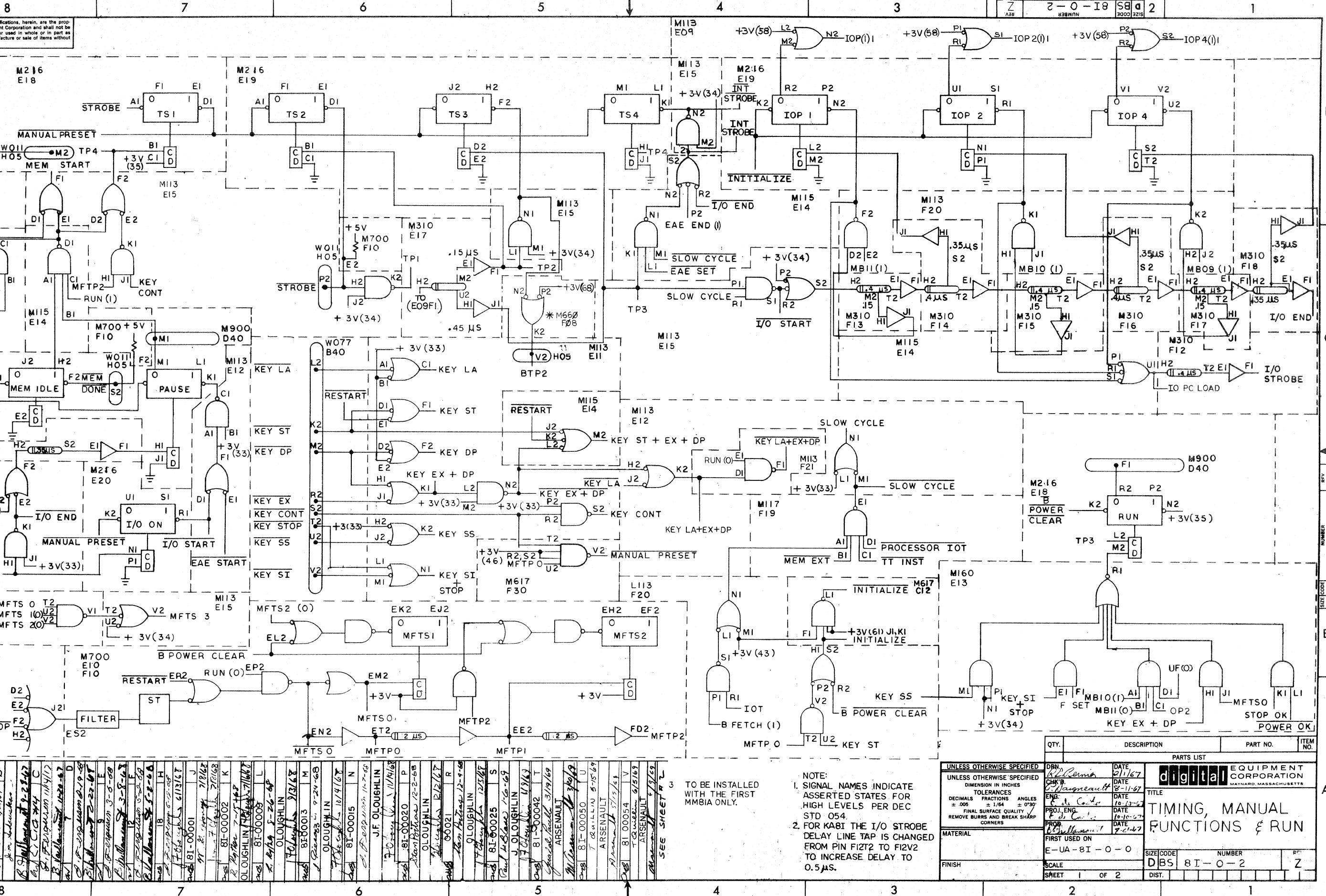
**PARTS LIST****DIGITAL EQUIPMENT CORPORATION**

MAYNARD, MASSACHUSETTS

**REVISIONS**

PART NO.	DRWG. NO.	NO. REQD.	DESCRIPTION ITEM — STOCK SIZE — CAT. NO. — MFG.	DEC. STOCK NO.	CHANGE NO.	DATE	ENG.
1		1	PDP-8/I O.E.M SHIPPING CABINET	1809113			
2	B-MD-7406561-0-0	1	BRACKET, STOP	7406561			
3		2	SCR PHL HD PAN #1-032 x5/8 LG	9006074-1			
4		2	NUT, KEPS #10-32	9006565			
MADE BY KEN GULICK	DATE 5/16/68	TITLE O.E.M SHIPPING CABINET	SIZE A	CODE PL	NUMBER 7005707-0-0	REV.	
CHECKED D. HEALY	DATE 5/20/68	FOR	ASSY. NO. NONE		SHEET 1 OF 1		X
ENG: <i>M. D. Gulick</i>	5. 24 68						

DEC FORM NO.  
DRA 109



REVISIONS

CHK	CHANGE NO.	REV
CH1	ECO #1 9-6-67	A
CH2	ECO #2 9-6-67	B
CH3	ECO #3 9-6-67	C
CH4	ECO #4 9-6-67	D
CH5	ECO #5 9-6-67	E
CH6	ECO #6 9-6-67	F
CH7	ECO #7 9-6-67	G
CH8	ECO #8 9-6-67	H

DEC FORM NO.  
DD FORM 102

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A

9-6-67

B

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9-6-67

C

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9-6-67

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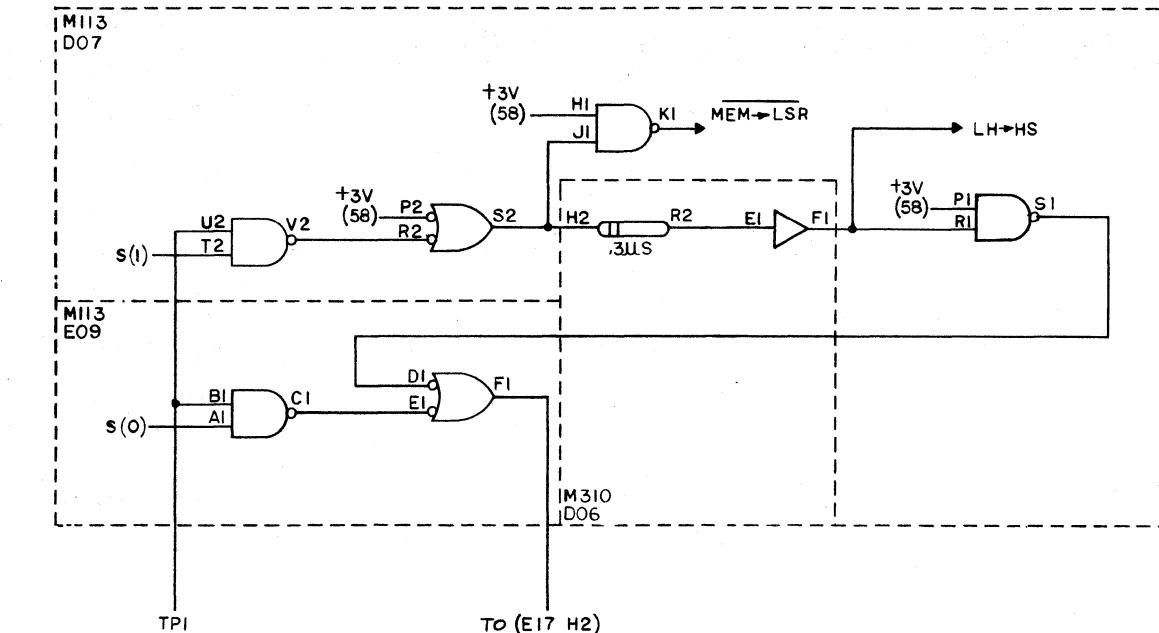
1

D

C

B

A



REVISIONS		CHANGE NO.	REV.
CHK	W	81-00081	
2			
T.O. dated 11-3-69			
ARSENAL			
M. ARSENAL			
2			
81-00085	Y		
M. ARSENAL			
2			
81-00086	Z		
J. L. HARRIS JR. 10-10-69			
M. ARSENAL			
2			
M. ARSENAL			

DEC FORM NO.  
DD FORM 102A

8

7

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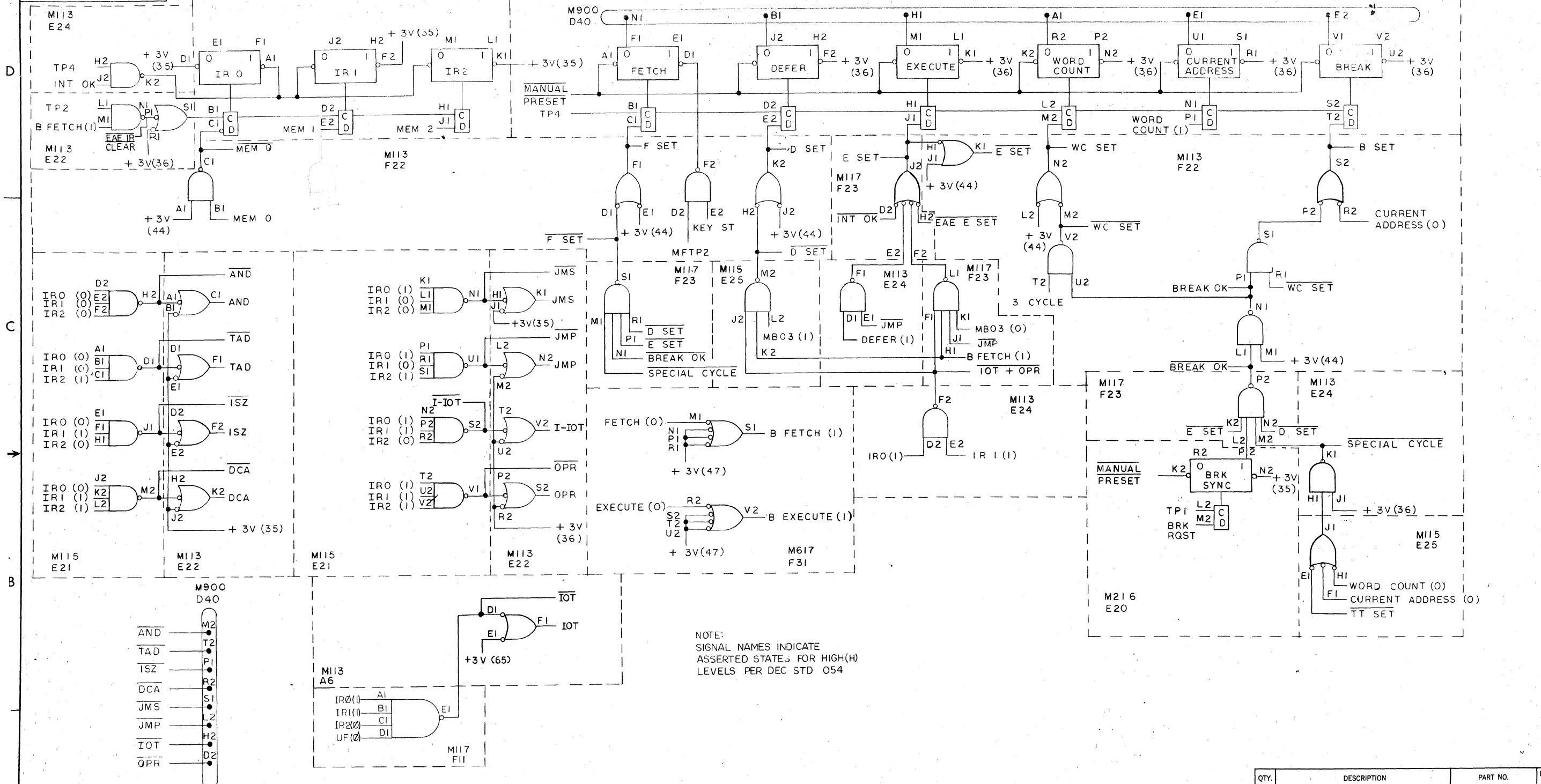
4

3

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DRN.	James Reagor	DATE	9-24-68
CHK'D.		DATE	
digital	EQUIPMENT CORPORATION		
	MAYNARD, MASSACHUSETTS		
TITLE			
TIMING MANUAL FUNCTIONS & RUN			
UNLESS OTHERWISE SPECIFIED			
DECIMALS	FRACTIONS	ANGLES	
± .005	± 1/64	± 0°30'	
FINAL SURFACE QUALITY / REMOVE BURRS AND BREAK SHARP CORNERS			
ENG.		PROJ. ENG.	
PROD.		PROD.	
MATERIAL	FIRST USED ON E-UA-81-0-0		
FINISH	SCALE		
DIBS	SIZE CODE	NUMBER	REV.
81-0-2			Z
SHEET 2 OF 2	DIST.		

1

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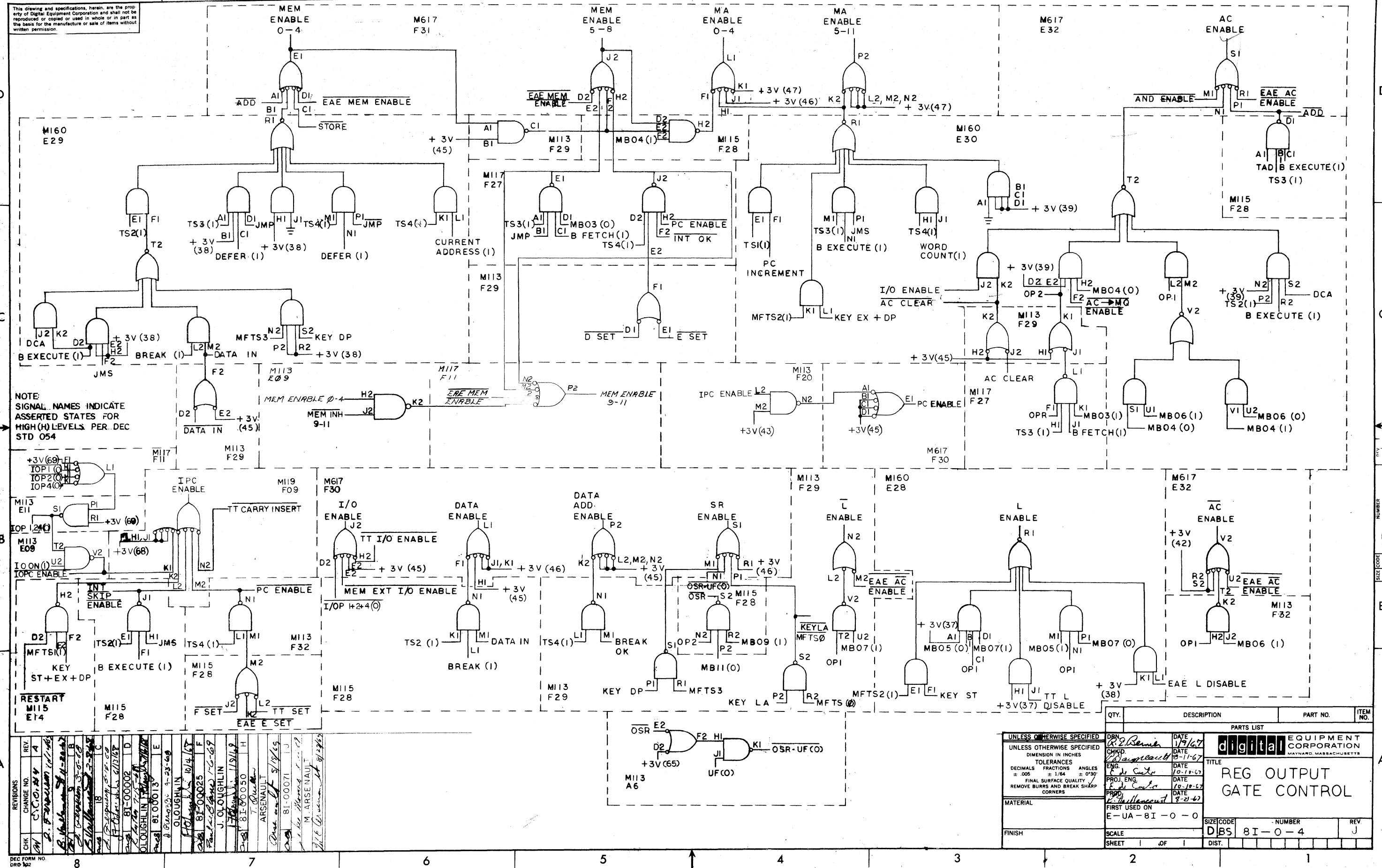


REVISIONS	CHANGE NO.	REV.
CHK	81-00024	A
	11/11/67	
2	81-00025	B
	12/12/67	
3	81-00026	C
	12/12/67	
4	81-00027	D
	12/12/67	
5	81-00028	E
	12/12/67	
6	81-00029	F
	12/12/67	
7	81-00025	G
	12/12/67	
8	81-00026	H
	12/12/67	
	J. O'DOUGHIN	
	12/12/67	
	J. MARSENault	
	12/12/67	

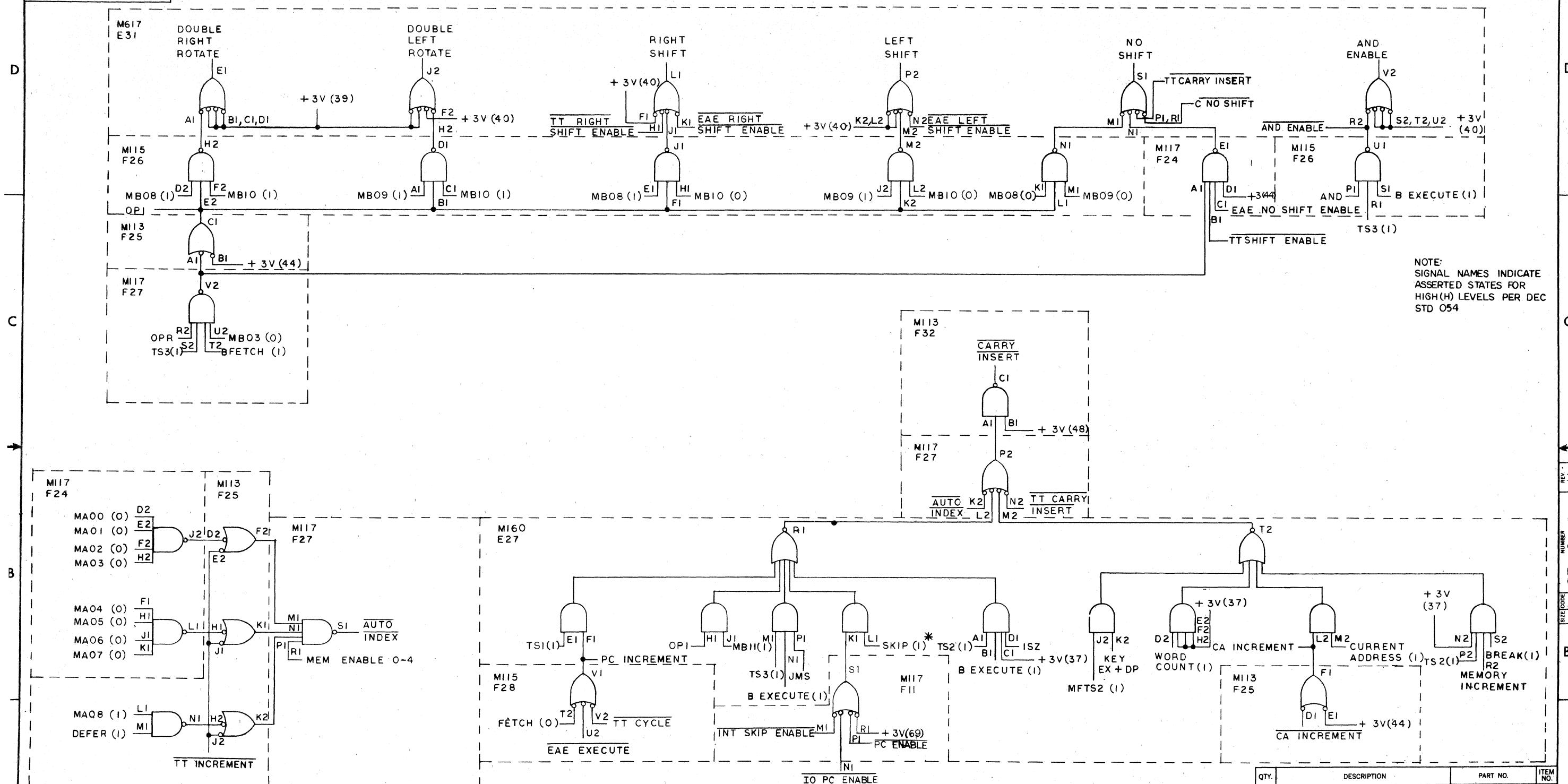
QTY.	DESCRIPTION	PART NO.	ITEM NO.
<b>PARTS LIST</b>			
UNLESS OTHERWISE SPECIFIED	DRN. Rev. 11/11/67	DATE	
UNLESS OTHERWISE SPECIFIED	CHK. D. 11/11/67	DATE	
DIMENSION IN INCHES			
TOLERANCES			
DECIMALS FRACTIONS ANGLES			
$\pm .005$	$\pm 1/64$	$\pm 0^{\circ}30'$	
FINAL SURFACE QUALITY			
REMOVE BURRS AND BREAK SHARP CORNERS			
MATERIAL			
FIRST USED ON			
E - UA - 81 - 0 - 0			
FINISH			
SCALE			
SHEET 1 OF 1			
DIST.			

**digital** EQUIPMENT CORPORATION  
MASSACHUSETTS

TITLE: INSTRUCTION REG & MAJOR STATES



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NOTE:  
SIGNAL NAMES INDICATE  
ASSERTED STATES FOR  
HIGH(H) LEVELS PER DEC  
STD 054

NUMBER 0-5 REV. H SIZE CODE DBS

A

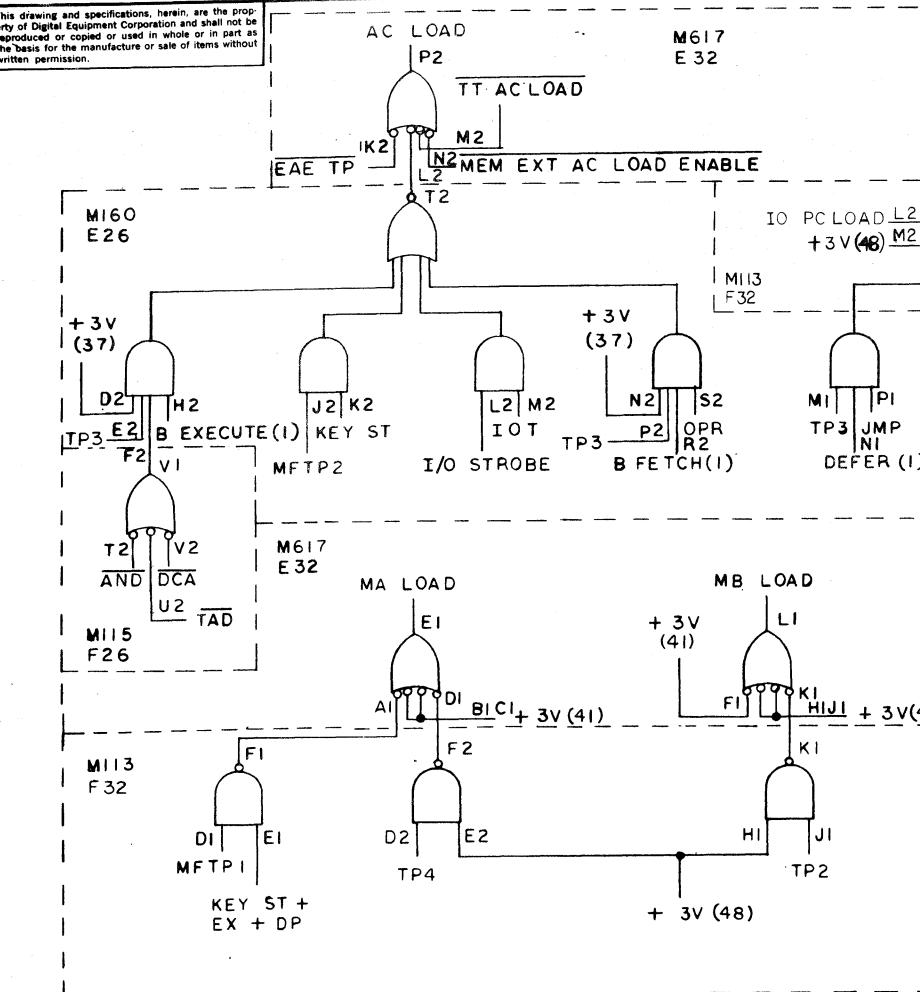
QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DRN	R.2.Bernier	DATE	1/10/67
CHKD	J.Boyle, R.Boyle	DATE	8-11-67
ENG	J.Boyle, R.Boyle	DATE	10-10-67
PROJ. ENG.	J.Boyle, R.Boyle	DATE	10-10-67
PROD.	J.Boyle, R.Boyle	DATE	4-21-67
MATERIAL			
FIRST USED ON	E - UA - 8I - 0 - 0		
FINISH	SCALE		
SHEET	1 OF 1	DIST.	

digital EQUIPMENT CORPORATION  
MAYNARD, MASSACHUSETTS  
TITLE: SHIFT & CARRY GATE CONTROL

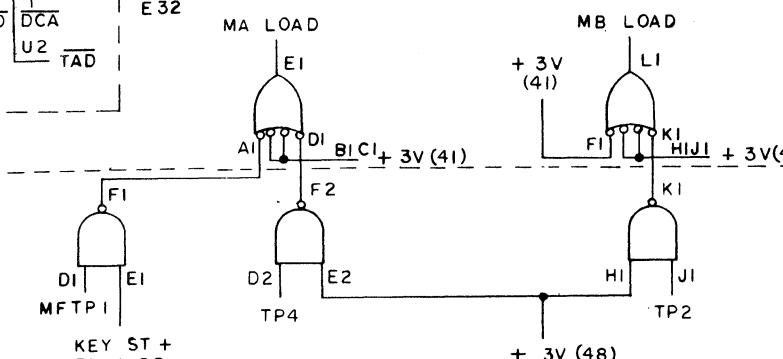
REVISIONS	CHANGE NO.	REV.
CHK	ECO #2	9/26/67 A
	John Sadowski	
B	Bill Holloman	9-27-67
C	John C. O'Gough	9-27-67
D	John C. O'Gough	9-27-67
E	John C. O'Gough	9-27-67
F	John C. O'Gough	9-27-67
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J	John C. O'Gough	9-27-67
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UU	John C. O'Gough	9-27-67

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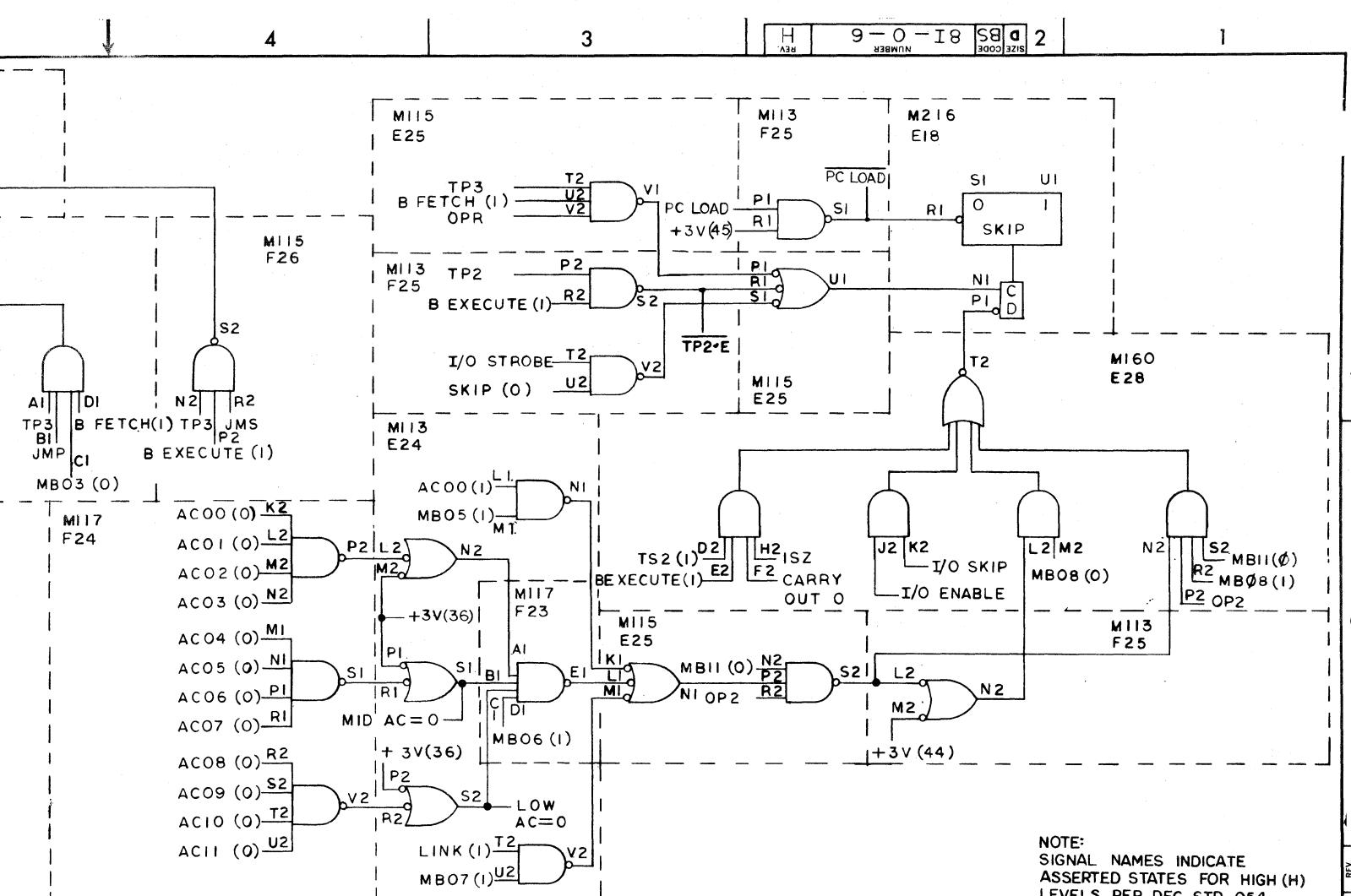
D



C



B



A

REVISIONS		CHANGE NO.	REV.
CHK	ECO # 9-6-7	A	
Rev	1	CICA # 4	B
		E. G. Duncum 11/14/62	
		C. J. Orlin 11/20-62	
		G. C. Loughlin 3-8-68	
		J. O. Orlin 11/17/67	
		D. J. Orlin 11/17/67	
		E. J. Orlin 11/17/67	
		81-00002	
		81-00050	
		T. Quillin 11/17/67	
		M. ARSENAULT 11/17/67	
DEC FORM NO. DD FORM 102	8	81-00013	

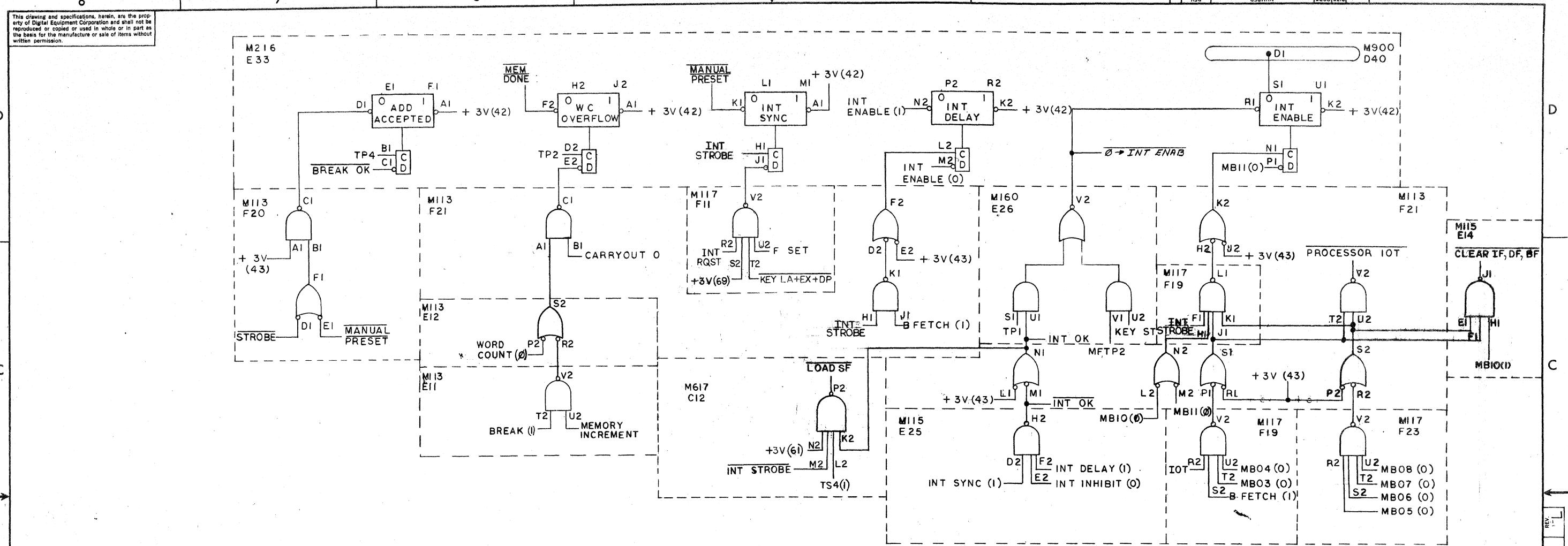
QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
UNLESS OTHERWISE SPECIFIED			
UNLESS OTHERWISE SPECIFIED			
DIMENSION IN INCHES			
TOLERANCES			
DECIMALS FRACTIONAL ANGLES			
= .005 1/16 = 0°30'			
FINAL SURFACE QUALITY /			
REMOVE BURRS AND BREAK SHARP CORNERS			
MATERIAL			
FIRST USED ON			
E - UA - 8I - 0 - 0			
FINISH			
SCALE			
SHEET 1 OF 1			
DIST.			

digital EQUIPMENT CORPORATION  
MAINTAINANCE  
TITLE  
REG INPUT CONTROL & SKIP

SIZE CODE DIBS 8I-0-6 NUMBER H

REV. 6 NUMBER BIB-0-6

A



OTE:  
SIGNAL NAMES INDICATE  
ASSERTED STATES FOR HIGH (H)  
LEVELS PER DEC STD 054

REVISIONS	CHANGE NO.	REV.
CHK	EFC-2	
CHK	9/10/76/7	A
	John Edwards	
B-7	Document # 9-8-67	
C	C.I.O. F-4	B
	J. Ferguson	1/11/76/5
B	Blue Book	
C	11-20-62	
	9	
	3. Geogian	D-3-58
	3. Victorian	3-8-68
	10	
	3. Edward	3-20-58
	3. Georgian	3-21-68
	13	
	3. Georgian	E
	18	F
	Georgian	5-13-68
	1. Georgian	6-12-68
	81-00002	H
	7-Step	
	O'DOUGHN	H-6/5
	81-00020	J
	1st Posture	2-2-68
	O'LOUGHLIN	
	7-Step	12/2/68
	81-00069	K
	John Thomas	F-5-69
	M. ARSENAL	T-5/6
	81-00081	L
	T. Quinn	1-3-69
	ARSENAL	

QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED			
UNLESS OTHERWISE SPECIFIED			
DIMENSION IN INCHES			
TOLERANCES			
DECIMALS	FRACTIONS	ANGLES	
$\pm .005$	$\pm 1/64$	$\pm 0^{\circ}30'$	
FINAL SURFACE QUALITY			
REMOVE BURRS AND BREAK SHARP CORNERS			
MATERIAL	FIRST USED ON E - UA - 8I - O - O		
FINISH	SCALE	SIZE CODE	NUMBER
	SHEET	I	REV
	OF	I	L
	DIST.		
PARTS LIST			
<b>digital</b> EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
TITLE <b>INTERRUPT &amp; BREAK CONTROL</b>			

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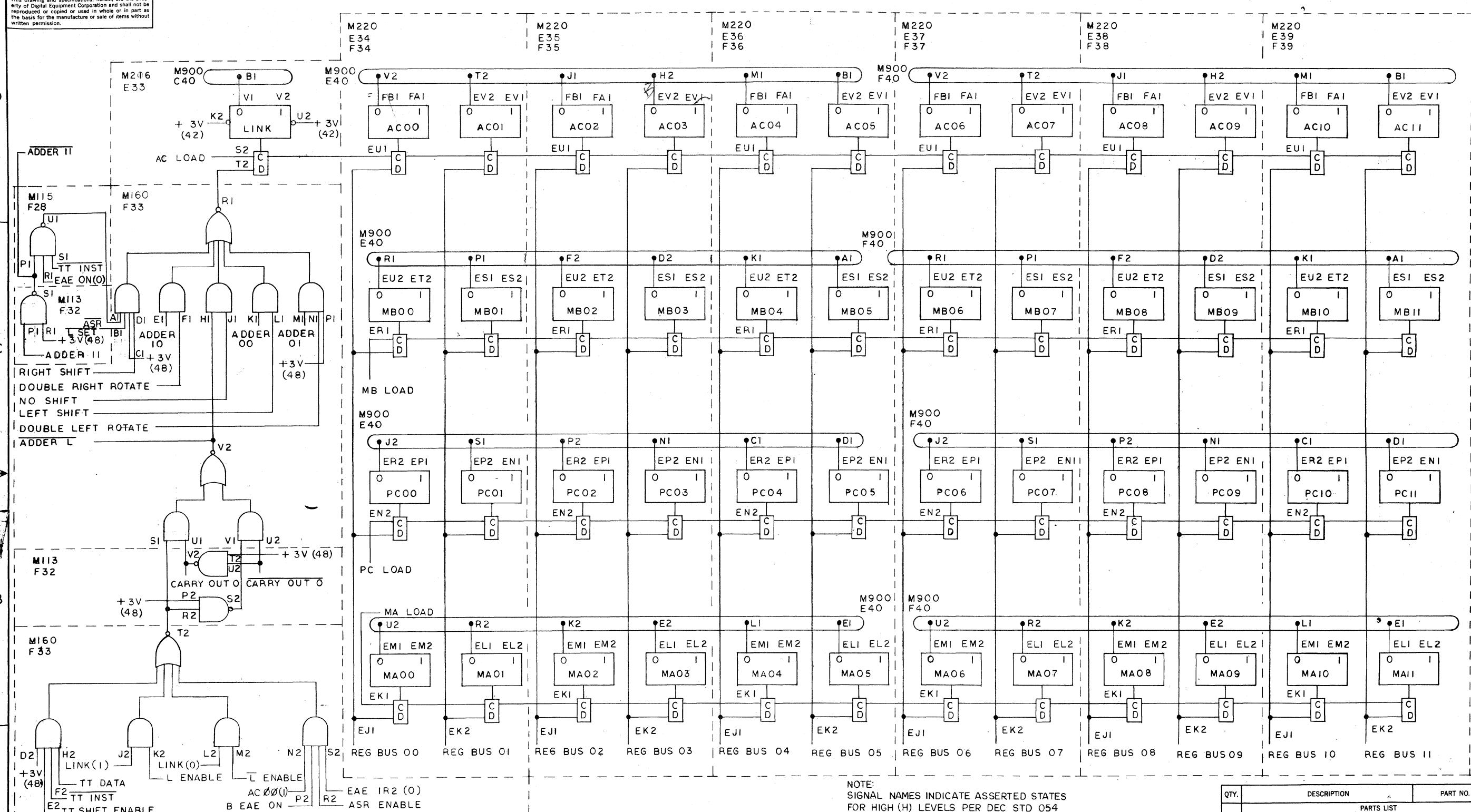
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4

3

2

1



REVISIONS	CHANGE NO.	REV.
CHK	ECO # 1	9-6-7
2	Dong Tsai	A
3	C. Hallstrand	B
4	C. O. C. G.	C
5	B. Ferguson	D
6	Blodgett	E
7	Blodgett	F
8	Blodgett	G
9	Blodgett	H
10	Blodgett	I
11	Blodgett	J
12	Blodgett	K
13	Blodgett	L
14	Blodgett	M
15	Blodgett	N
16	Blodgett	O
17	Blodgett	P
18	Blodgett	Q
19	Blodgett	R
20	Blodgett	S
21	Blodgett	T
22	Blodgett	U
23	Blodgett	V
24	Blodgett	W
25	Blodgett	X
26	Blodgett	Y
27	Blodgett	Z
28	Blodgett	AA
29	Blodgett	AB
30	Blodgett	AC
31	Blodgett	AD
32	Blodgett	AE
33	Blodgett	AF
34	Blodgett	AG
35	Blodgett	AH
36	Blodgett	AI
37	Blodgett	AJ
38	Blodgett	AK
39	Blodgett	AL
40	Blodgett	AM
41	Blodgett	AN
42	Blodgett	AO
43	Blodgett	AP
44	Blodgett	AQ
45	Blodgett	AR
46	Blodgett	AS
47	Blodgett	AT
48	Blodgett	AU
49	Blodgett	AV
50	Blodgett	AW
51	Blodgett	AX
52	Blodgett	AY
53	Blodgett	AZ
54	Blodgett	BA
55	Blodgett	BB
56	Blodgett	BC
57	Blodgett	BD
58	Blodgett	BE
59	Blodgett	BF
60	Blodgett	BG
61	Blodgett	BH
62	Blodgett	BI
63	Blodgett	BJ
64	Blodgett	BK
65	Blodgett	BL
66	Blodgett	BM
67	Blodgett	BN
68	Blodgett	BO
69	Blodgett	BP
70	Blodgett	AQ
71	Blodgett	AS
72	Blodgett	AT
73	Blodgett	AU
74	Blodgett	AV
75	Blodgett	AW
76	Blodgett	AX
77	Blodgett	AY
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80	Blodgett	BB
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83	Blodgett	BE
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93	Blodgett	BO
94	Blodgett	BP
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97	Blodgett	AT
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270	Blodgett	AQ
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272	Blodgett	AT
273	Blodgett	AU
274</		

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1

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SIZE CODE DBS 8I - 0 - 6

REV. E

NOTE:  
SIGNAL NAMES INDICATE  
ASSERTED STATES FOR HIGH (H)  
LEVELS PER DEC STD 054

D

D

AND ENABLE  
RIGHT SHIFT  
DOUBLE RIGHT ROTATE  
NO SHIFT  
LEFT SHIFT  
DOUBLE LEFT ROTATE  
ADDER L  
ADDER 00  
ADDER 01  
ADDER 02  
ADDER 03  
TTLINE SHIFT

CARRY OUT 0

AC ENABLE  
MQ ENABLE  
SR ENABLE  
SC ENABLE  
DATA ENABLE  
I/O ENABLE  
MA ENABLE 0-4  
PC ENABLE  
MEM ENABLE 0-4  
DATA ADD ENABLE  
AC ENABLE

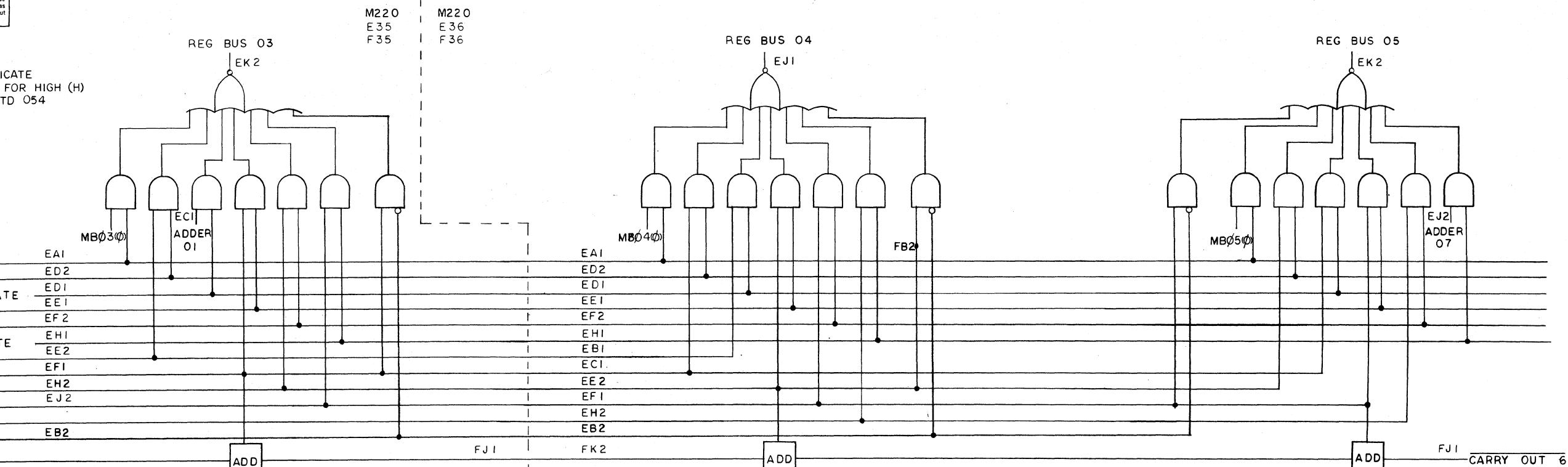
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C	C.C. O.H.4	A
B	John William 11/14/67	
D	7-14-67	
E	6/13/67	
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G	7-14-67	
H	7-14-67	
I	7-14-67	
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DD	7-14-67	

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NOTE:  
SIGNAL NAMES INDICATE  
ASSERTED STATES FOR HIGH (H)  
LEVELS PER DEC STD 054

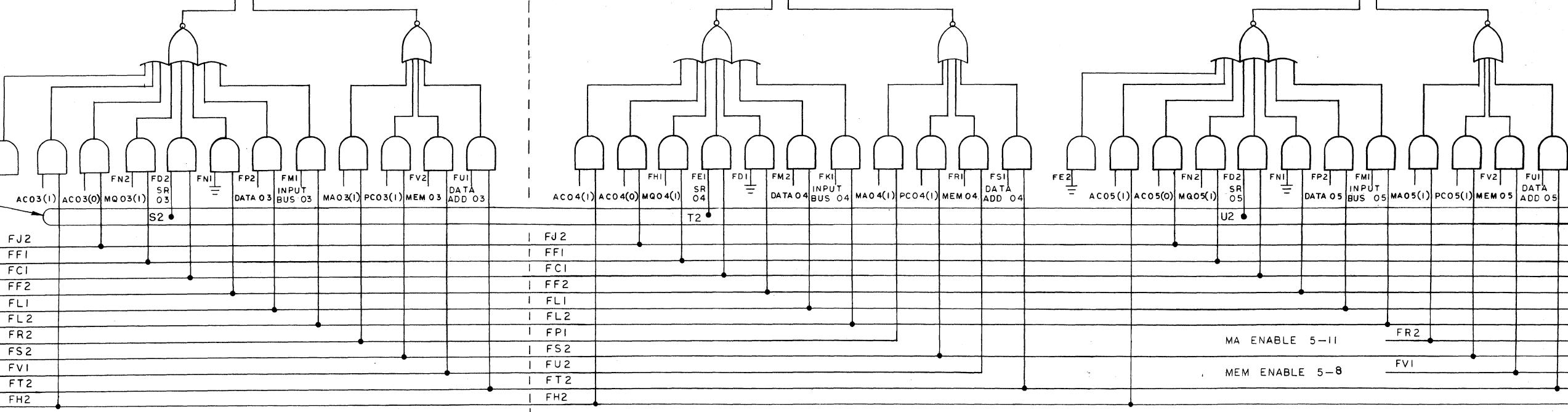
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RIGHT SHIFT  
DOUBLE RIGHT ROTATE  
NO SHIFT  
LEFT SHIFT  
DOUBLE LEFT ROTATE  
ADDER 02  
ADDER 03  
ADDER 04  
ADDER 05  
ADDER 06  
TTLINE SHIFT

CARRY OUT 3



AC ENABLE  
MQ ENABLE  
SR ENABLE  
SC ENABLE  
DATA ENABLE  
I/O ENABLE  
MA ENABLE 0-4  
PC ENABLE  
MEM ENABLE 0-4  
DATA ADD ENABLE  
AC ENABLE

W077  
A40



REVISIONS	CHANGE NO.	REV.

DEC FORM NO.  
DRD 102

8

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4

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2

1

PARTS LIST		
QTY.	DESCRIPTION	
	PART NO.	
	ITEM NO.	
UNLESS OTHERWISE SPECIFIED		
UNLESS OTHERWISE SPECIFIED		
DIMENSION IN INCHES		
TOLERANCES		
DECIMALS	FRACTIONS	ANGLES
$\pm .005$	$\pm 1/64$	$\pm 0^{\circ}30'$
FINAL SURFACE QUALITY		
REMOVE BURRS AND BREAK SHARP CORNERS		
MATERIAL		
FIRST USED ON		
E - UA - 8I - 0 - 0		
FINISH		
SCALE		
SHEET 2 OF 4	DIST.	
SIZE CODE D [BS] 8I - 0 - 9		
REV. E		

digital EQUIPMENT CORPORATION  
MAYNARD, MASSACHUSETTS  
TITLE: MAJOR REGISTER GATING

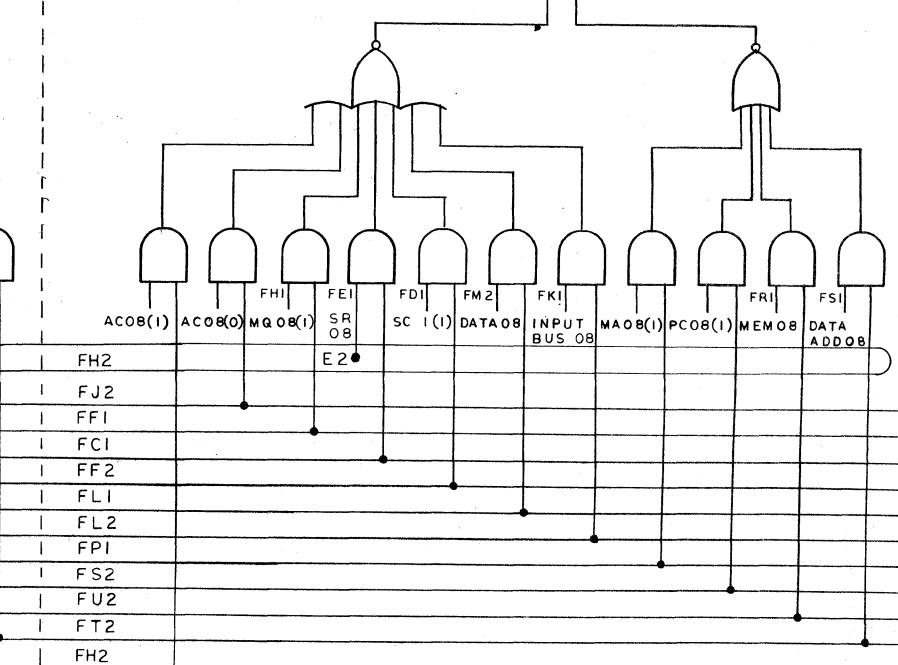
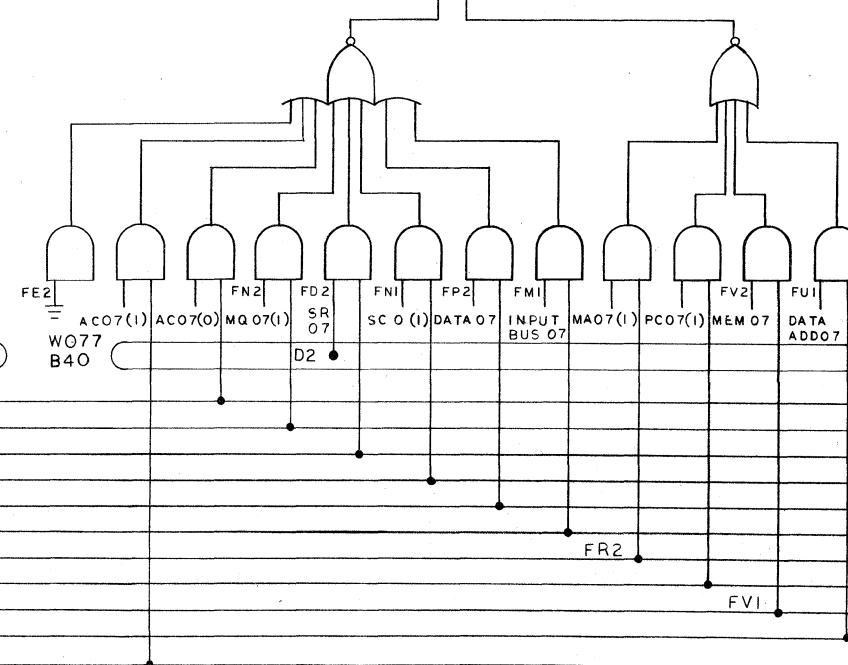
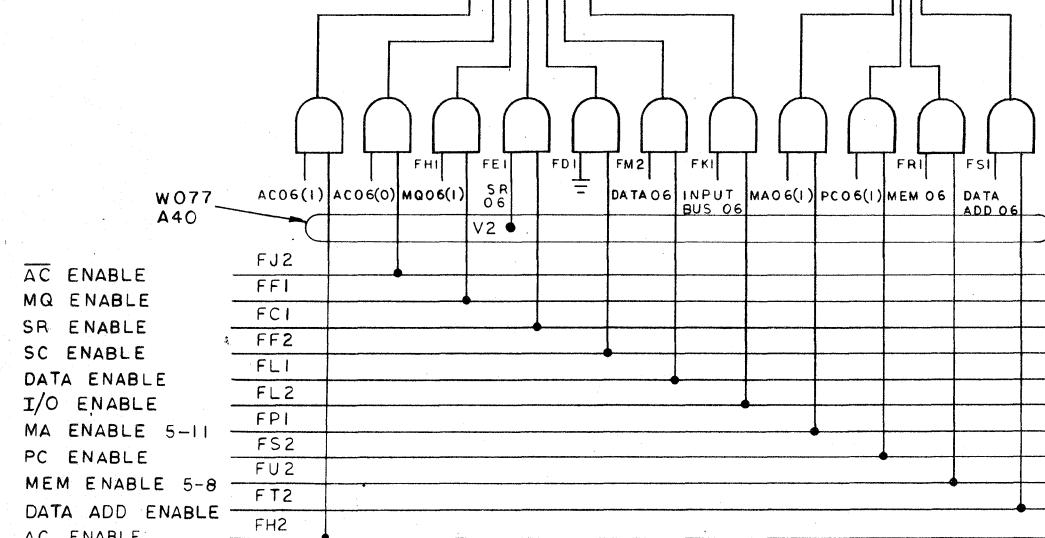
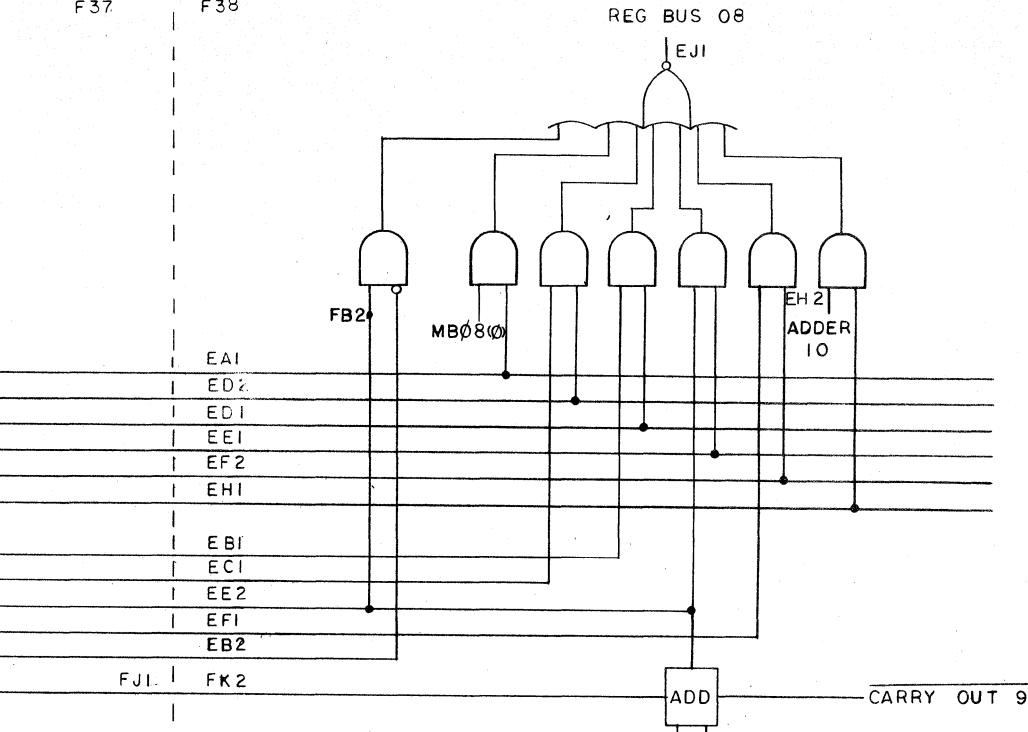
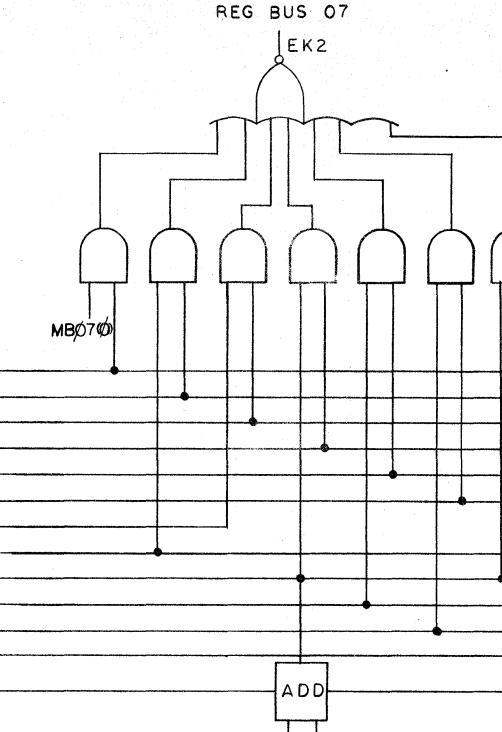
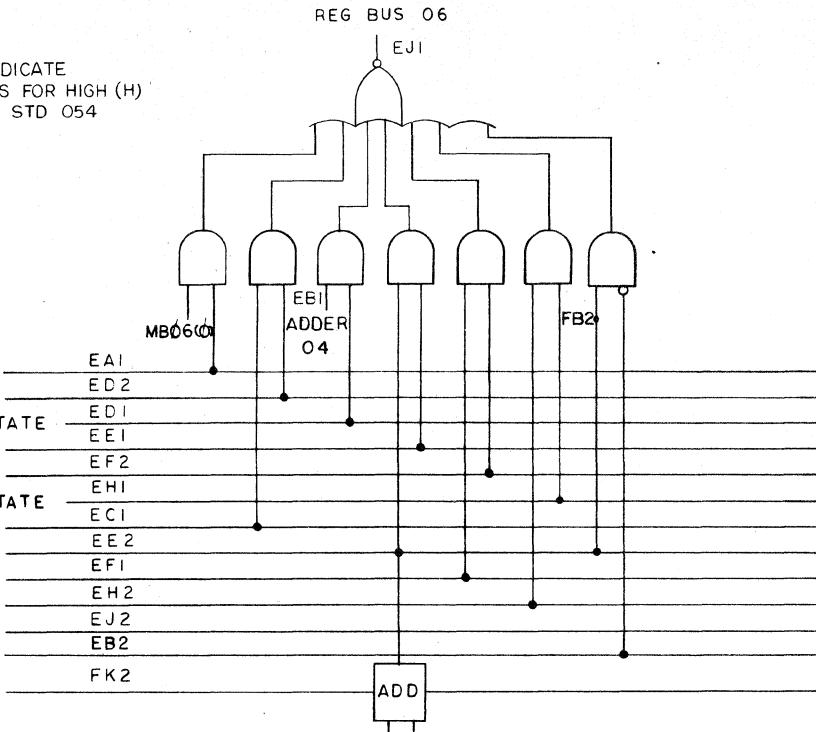
SIZE CODE D [BS] 8I - 0 - 9  
NUMBER E

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NOTE:  
SIGNAL NAMES INDICATE  
ASSERTED STATES FOR HIGH (H)  
LEVELS PER DEC STD 054

AND ENABLE  
RIGHT SHIFT  
DOUBLE RIGHT ROTATE  
NO SHIFT  
LEFT SHIFT  
DOUBLE LEFT ROTATE  
ADDER 05  
ADDER 06  
ADDER 07  
ADDER 08  
ADDER 09  
TTLINE SHIFT

CARRY OUT 6



QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DRN	R. Remie	DATE	11/66
CHK'D.	J. Krasnowski	DATE	7-11-67
ENG.	E. L. ...	DATE	7-11-67
PROJ. ENG.	E. L. ...	DATE	7-11-67
PROD.	B. ...	DATE	7-11-67
MATERIAL			
FIRST USED ON			
E - UA - 8I - 0 - 0			
FINISH			
SCALE			
SHEET 3 OF 4			
DIST.			

digital EQUIPMENT CORPORATION  
MAYNARD, MASSACHUSETTS  
TITLE: MAJOR REGISTER GATING

REVISIONS  
CHANGE NO.  
REV.  
CHK

EC FORM NO.  
RD 102

D

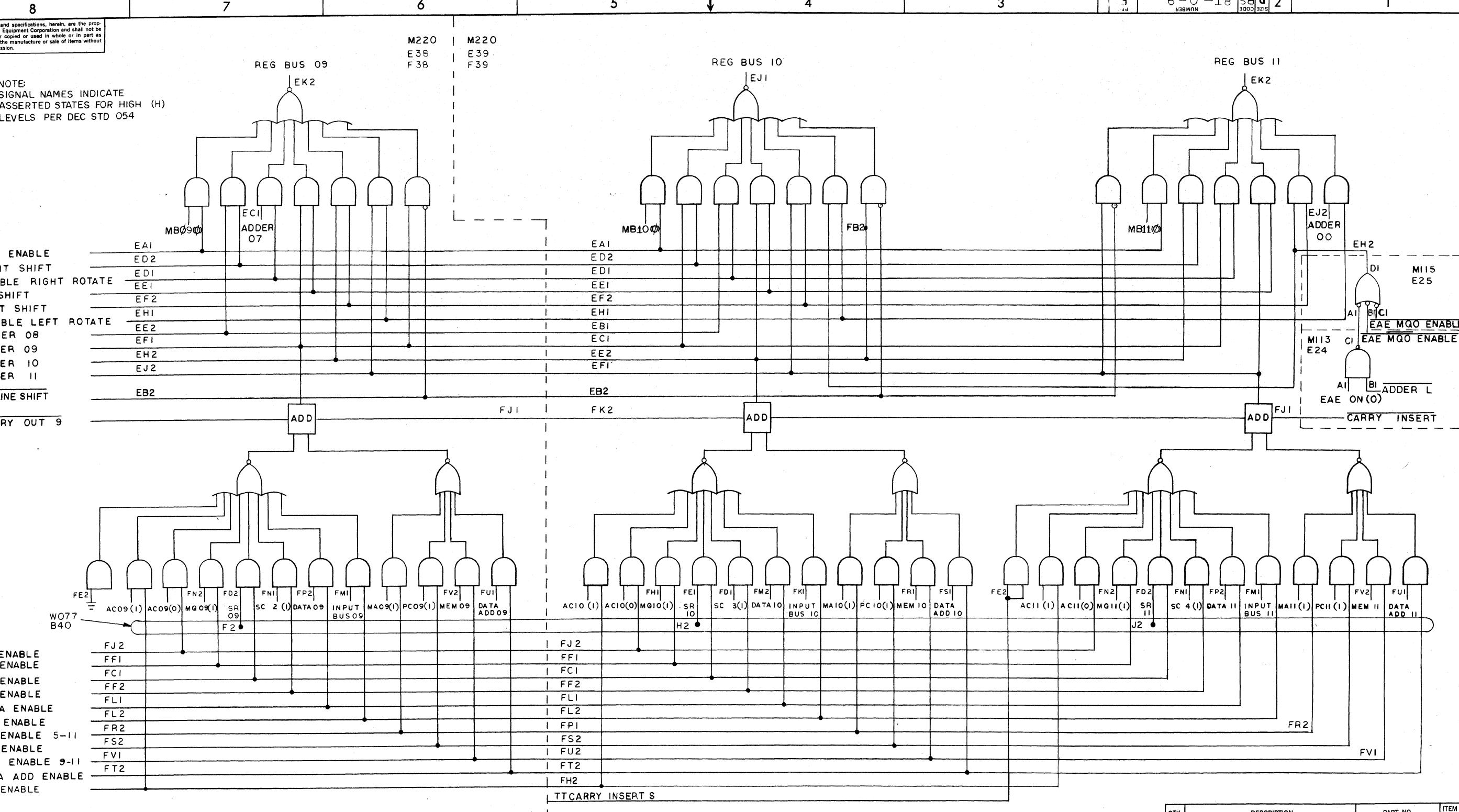
C

E

B

A

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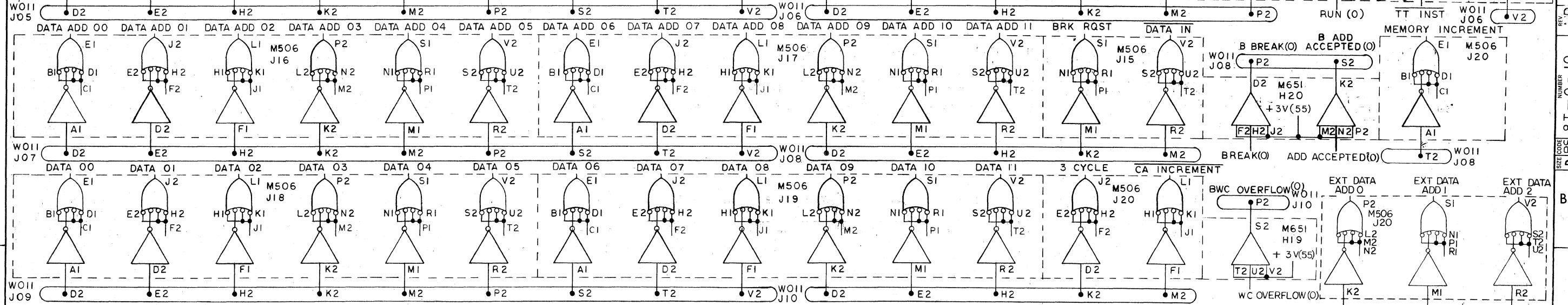
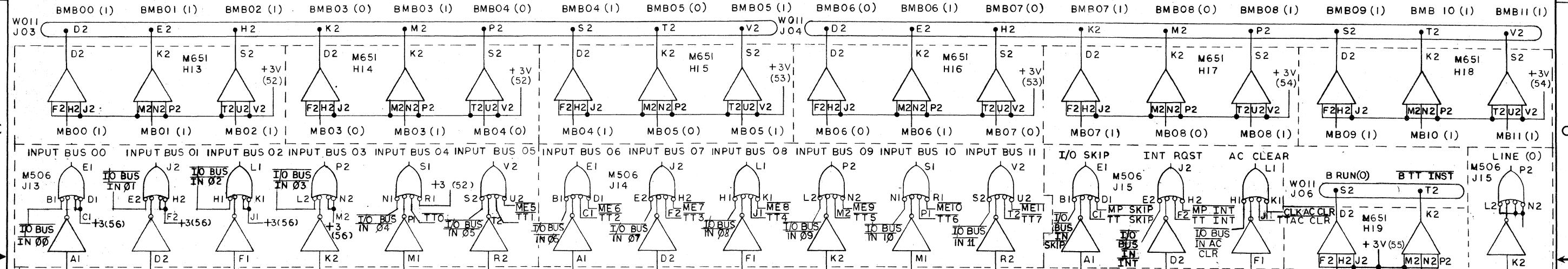
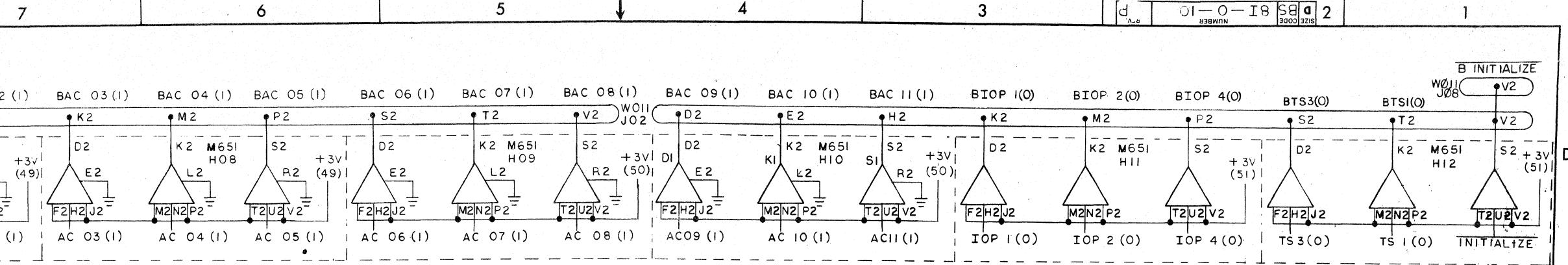
QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DRA	X2 Benja	DATE	1/16/67
CHKD	Paragonity	DATE	1/16/67
ENG	R. C. Carter	DATE	1/16/67
PROJ. ENQ.	J. G. G.	DATE	1/16/67
PROD	G. G.	DATE	1/16/67
MATERIAL		FIRST USED ON	E - UA - 8I - O - O
FINISH		SCALE	4 OF 4

**digital EQUIPMENT CORPORATION**  
MAINTAINABILITY  
TITLE  
**MAJOR REGISTER GATING**

SIZE CODE	NUMBER	REV
DBS 8I-O-9		E

A  
REVISIONS  
CHANGE NO.  
REV  
CHK

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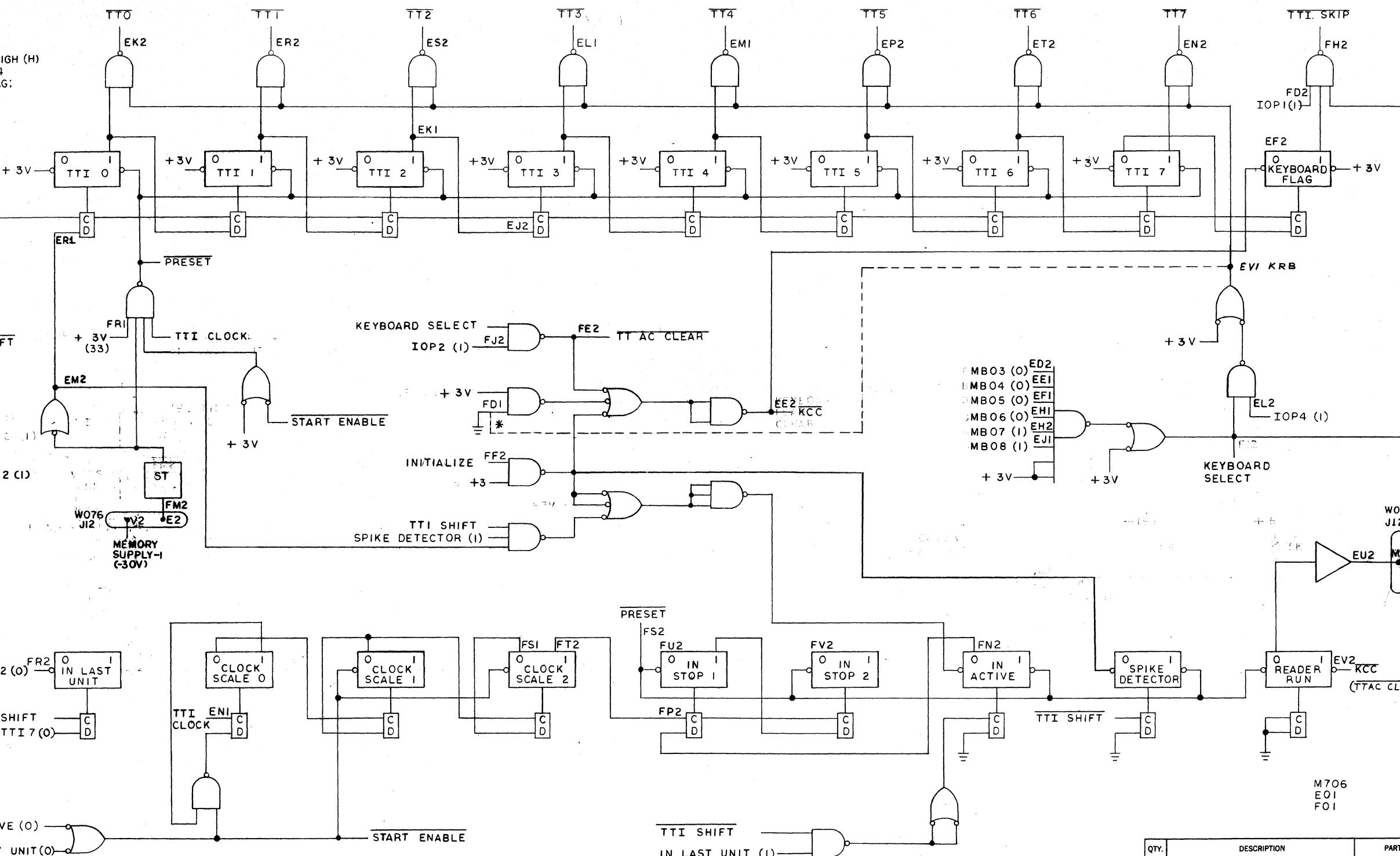
NOTES:

1. FOR KA8I SUBSTITUTE  
D-BS-KA8I-O-1 FOR THIS PRINT

2. SIGNAL NAMES INDICATE ASSERTED STATES  
FOR HIGH (H) LEVELS PER DEC STD 054

REVISIONS	CHANGE NO.	REV.
CHK	ECC #2	A
	P. Ferguson 11/14/67	
	C. Hallman 1/20/68	
	J. O'Loughlin 3-8-68	
	D. L. Cherry 1/22/68	
	F. J. O'Loughlin 1/22/68	
	H. J. O'Loughlin 1/22/68	
	I. O'Loughlin 1/22/68	
	J. O'Loughlin 1/22/68	
	K. O'Loughlin 1/22/68	
	L. O'Loughlin 1/22/68	
	M. Arsenault 1/22/68	
	N. Arsenault 1/22/68	
	O. Arsenault 1/22/68	
	P. Arsenault 1/22/68	
	Q. Arsenault 1/22/68	
	R. Arsenault 1/22/68	
	S. Arsenault 1/22/68	
	T. Arsenault 1/22/68	
	U. Arsenault 1/22/68	
	V. Arsenault 1/22/68	
	W. Arsenault 1/22/68	
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	WW. Arsenault 1/22/68	</

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REVISIONS		CHANGE NO.	REV.
CHK	C7	5	A
CHG	1	2	B
CHG	2	3	C
CHG	3	4	D
CHG	4	5	E
CHG	5	6	F
CHG	6	7	G
CHG	7	8	H
CHG	8	9	I
CHG	9	10	J
CHG	10	11	K
CHG	11	12	L
CHG	12	13	M
CHG	13	14	N
CHG	14	15	O
CHG	15	16	P
CHG	16	17	Q
CHG	17	18	R
CHG	18	19	S
CHG	19	20	T
CHG	20	21	U
CHG	21	22	V
CHG	22	23	W
CHG	23	24	X
CHG	24	25	Y
CHG	25	26	Z

DEC FORM NO.  
DD FORM 102

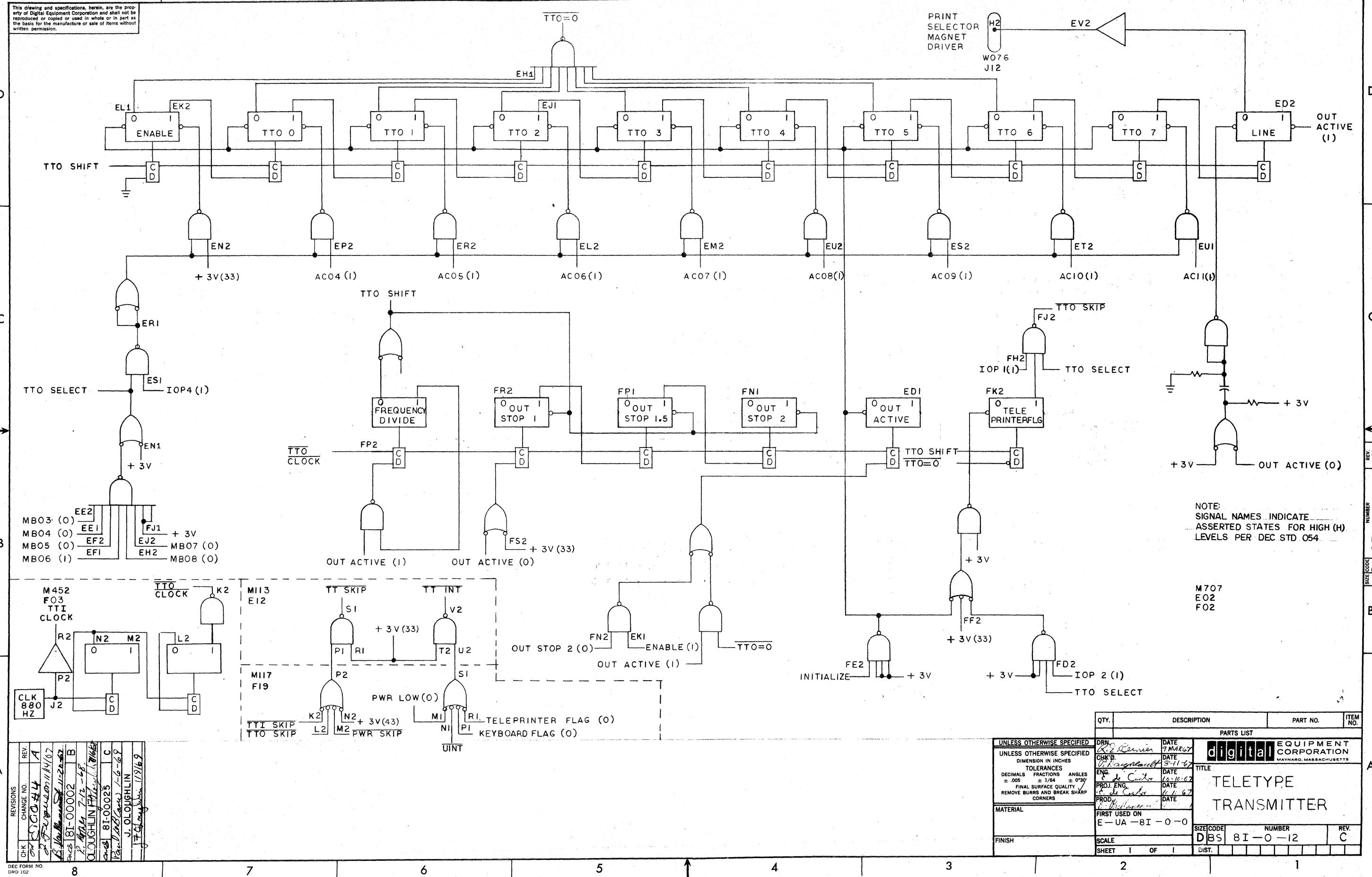
QTY.	DESCRIPTION	PART NO.	ITEM NO.
<b>PARTS LIST</b>			
DRN.	DATE	digital	EQUIPMENT CORPORATION
CHKD.	DATE		MAYNARD, MASSACHUSETTS
ENG.	DATE		
PROJ. ENG.	DATE		
PROD.	DATE		
FIRST USED ON			
FINISH			
SCALE			
SHEET	OF		
D	DBS	8I-0-11	REV. E

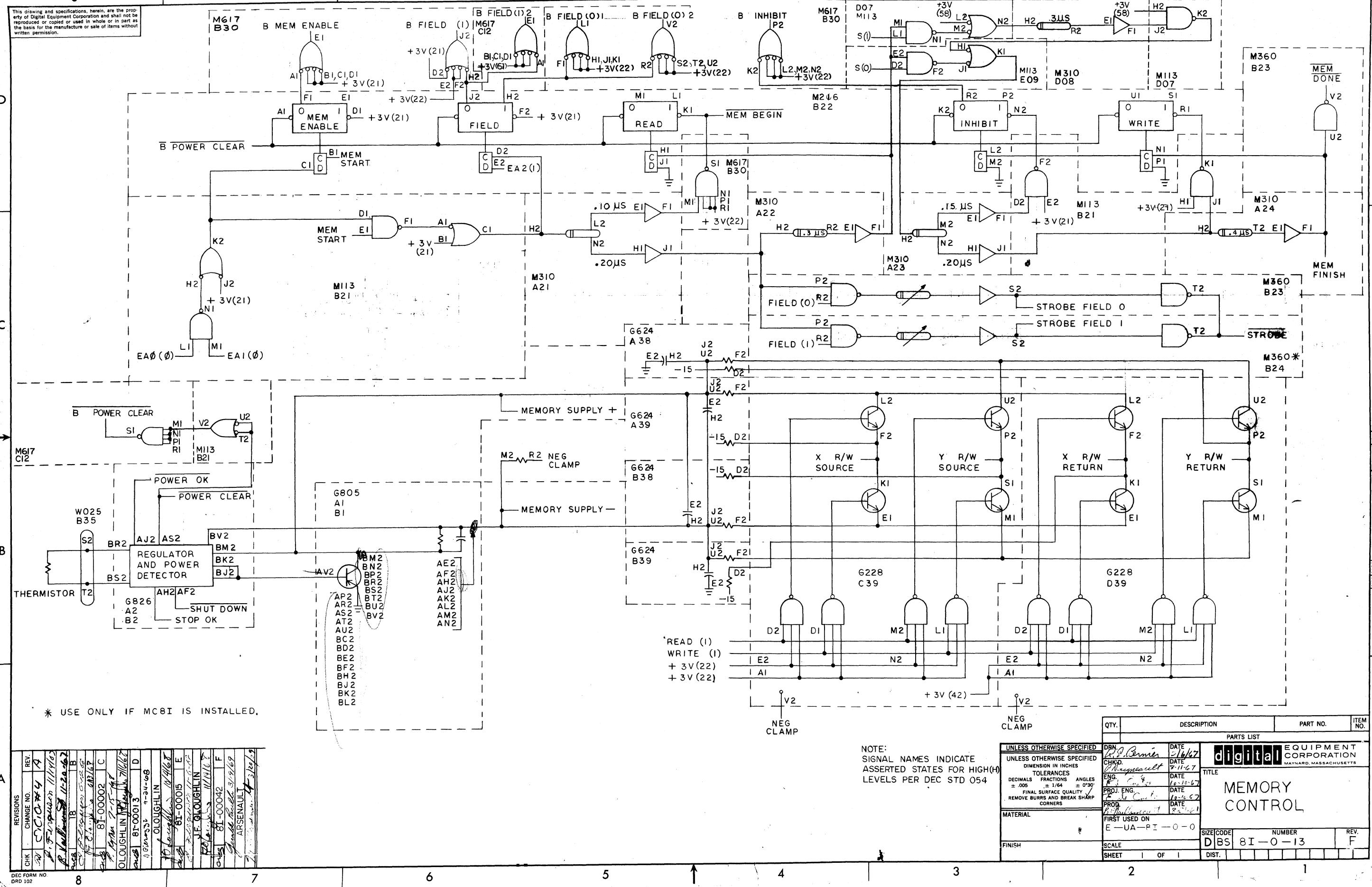
**TELETYPE RECEIVER**

SIZE CODE: DBS 8I-0-11 NUMBER: DIST. 1

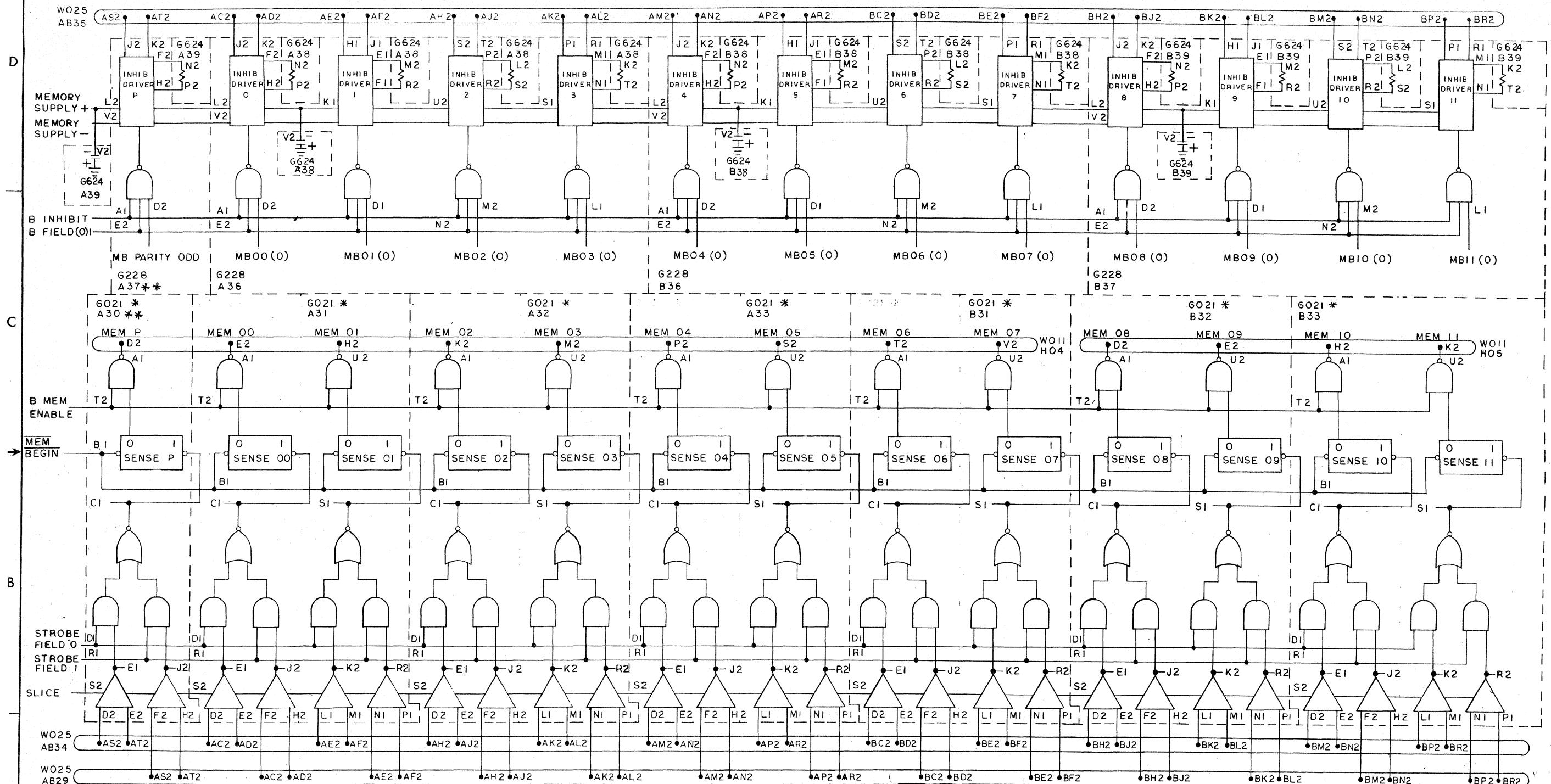
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8 7 6 5 4 3 2 1





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\* \* USED WITH MP8I  
USE G020 ONLY IF MC8T IS NOT INSTALLED

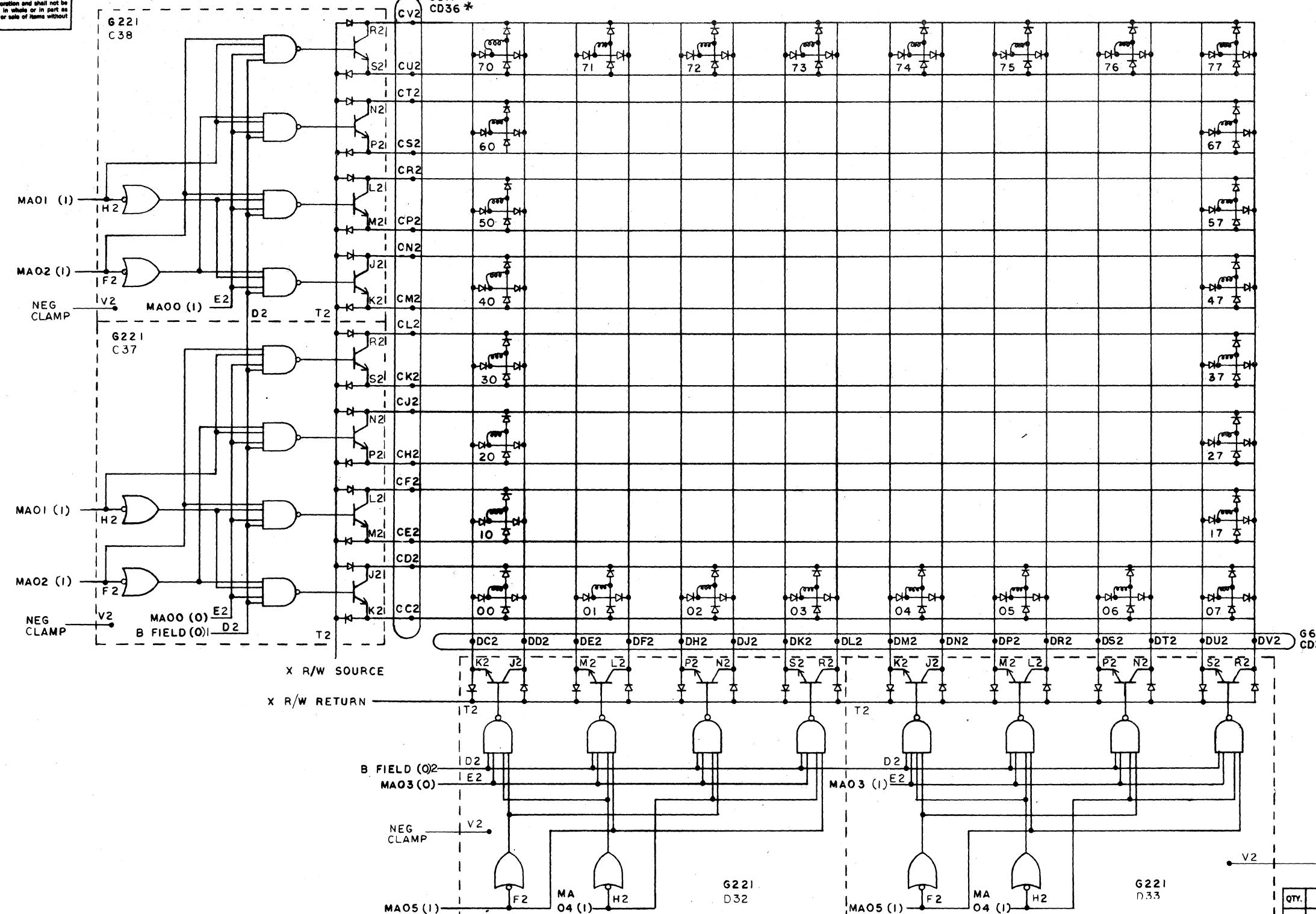
\* USE GO20 ONLY IF MC81 IS NOT INSTALLED

REVISIONS			
CHK	CHANGE NO.	REV.	
<u>A</u>	<u>C/C/O-#14</u>	<u>A</u>	<u>1/11/14</u>
<u>B</u>	<u>1/11/14</u>	<u>B</u>	<u>1/11/14</u>
<u>C</u>	<u>8T-00015</u>	<u>C</u>	<u>1/11/14</u>

NOTE:  
SIGNAL NAMES INDICATE  
ASSERTED STATES FOR  
HIGH(H) LEVELS PER DE  
STD 054

UNLESS OTHERWISE SPECIFIED			DRN <i>C.E. Bennis</i>	DATE 1/13/67	 <b>EQUIPMENT CORPORATION</b> <small>MAYNARD, MASSACHUSETTS</small>
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES			CHKD. <i>P. Newland</i>	DATE 2-11-67	
TOLERANCES			ENG. <i>C. E. Carter</i>	DATE 10-10-67	TITLE  <b>SENSE AMPS &amp; INHIBIT DRIVERS</b>
DECIMALS $\pm .005$	FRACTIONS $\pm 1/64$	ANGLES $\pm 0^{\circ}30'$	PROJ. ENG. <i>P. J. Lark</i>	DATE 10-10-67	
FINAL SURFACE QUALITY / REMOVE BURRS AND BREAK SHARP CORNERS			PROD. <i>Engineering 1/21/67</i>	DATE	
MATERIAL			FIRST USED ON E - UA - 8I - 0 - 0		
FINISH			SCALE	SIZE CODE NUMBER REV	
			SHEET 1 OF 1	DIST.	D

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NOTES:

1. \* G611 IN CD36 IS REPLACED WITH A G612 IF MP8I IS INSTALLED
2. SIGNAL NAMES INDICATE ASSERTED STATES FOR HIGH(H) LEVELS PER DEC STD 054

REVISIONS		CHANGE NO.	REV.
CHN	C/C-0	A4	A
CHN	J.F. O'Doughlin	11/14/67	B
CHN	J.F. O'Doughlin	11/22/67	C
CHN	J.F. O'Doughlin	11/14/67	D
CHN	J.F. O'Doughlin	11/22/67	E
CHN	J.F. O'Doughlin	11/14/67	F
CHN	J.F. O'Doughlin	11/22/67	G
CHN	J.F. O'Doughlin	11/14/67	H
CHN	J.F. O'Doughlin	11/22/67	I

8

7

6

5

4

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1

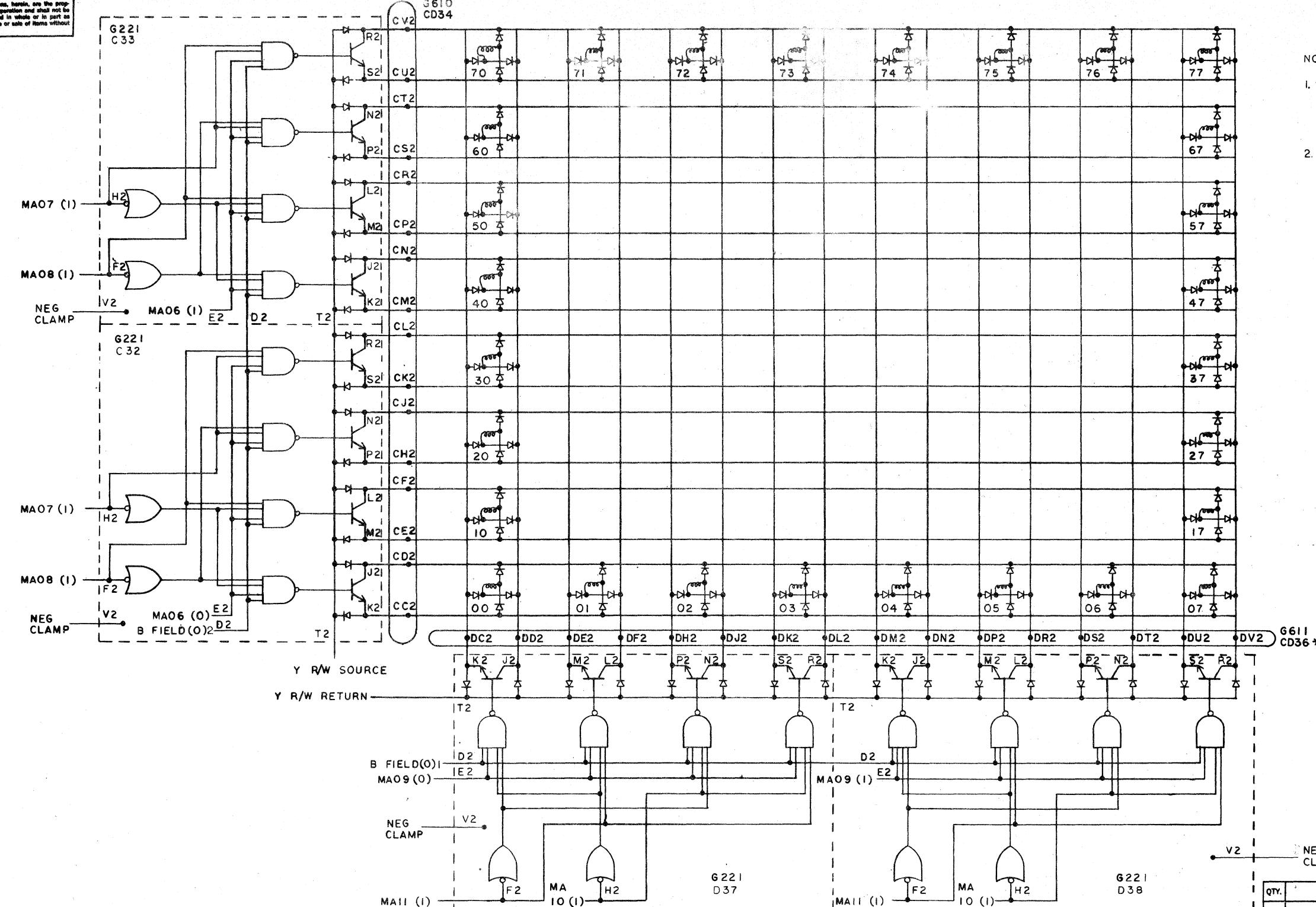
QTY.	DESCRIPTION	PART NO.	ITEM NO.
<b>PARTS LIST</b>			
DRW	R.J. Bernier	DATE 7/1/67	EQUIPMENT CORPORATION
CHN	J.F. O'Doughlin	DATE 8-1-67	MAYNARD, MASSACHUSETTS
ENG	C. de Castro	DATE 10-10-67	TITLE
PROJ. ENG.	F. de Castro	DATE 10-10-67	
PROD.	B. Halloran	DATE 8-21-67	
FIRST USED ON	E - UA - 81 - 0 - 0		
FINISH			
SCALE			
SHEET	1 OF 1		
DIST.			

UNLESS OTHERWISE SPECIFIED	DATE
UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES	
TOLERANCES	
DECIMALS      FRACTIONS      ANGLES	
$\pm .005$ $\pm 1/64$ $\pm 0^{\circ}30'$	
FINAL SURFACE QUALITY	
REMOVE BURRS AND BREAK SHARP CORNERS	
MATERIAL	
FIRST USED ON	
FINISH	
SCALE	
SHEET	
DIST.	

SIZE	CODE	NUMBER	REV.
D	BS	81-0-15	C

1
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NOTES:

- \* G611 IN CD36 IS REPLACED WITH A G612 IF MP81 IS INSTALLED
- SIGNAL NAMES INDICATE ASSERTED STATES FOR HIGH(H) LEVELS PER DEC STD 054

G611  
CD36 \*

QTY.	DESCRIPTION	PART NO.	ITEM NO.
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W. J. Bernier	DATE 2/7/67	PARTS LIST	
CHND. <i>Planes</i>	DATE 3/11/67	digital EQUIPMENT	CORPORATION
ENG. <i>E. de Castro</i>	DATE 10-0-67	MAYNARD, MASSACHUSETTS	TITLE
PROJ. ENG. <i>E. de Castro</i>	DATE 10-0-67	Y AXIS SELECTION	
PROD. <i>R. Hallenbeck</i>	DATE 3-6-67		
FIRST USED ON E - UA-8I - 0 - 0		SIZE CODE	NUMBER
FINISH	SCALE 1 OF 1	DBS	8I-0-16
	DIST.		REV. C

REVISIONS	CHANGE NO.	REV.
CHK	8I-0-0004	A
B	8I-0-0004	1/1/66
C	8I-0-0005	1/22/67
D	8I-0-0002	1/22/67
E	8I-0-0005	1/22/67
F	JF OLOUGHIN	1/25/67
G	JF OLOUGHIN	1/25/67
H	JF OLOUGHIN	1/25/67
I	JF OLOUGHIN	1/25/67
J	JF OLOUGHIN	1/25/67
K	JF OLOUGHIN	1/25/67
L	JF OLOUGHIN	1/25/67
M	JF OLOUGHIN	1/25/67
N	JF OLOUGHIN	1/25/67
O	JF OLOUGHIN	1/25/67
P	JF OLOUGHIN	1/25/67
Q	JF OLOUGHIN	1/25/67
R	JF OLOUGHIN	1/25/67
S	JF OLOUGHIN	1/25/67
T	JF OLOUGHIN	1/25/67
U	JF OLOUGHIN	1/25/67
V	JF OLOUGHIN	1/25/67
W	JF OLOUGHIN	1/25/67
X	JF OLOUGHIN	1/25/67
Y	JF OLOUGHIN	1/25/67
Z	JF OLOUGHIN	1/25/67

**DIGITAL EQUIPMENT CORPORATION**  
MAYNARD, MASSACHUSETTS

**ENGINEERING SPECIFICATION**

DATE 11/7/67

TITLE TEMPORARY JUMPERS, REMOVE (EXCEPT AS NOTED) WHEN OPTIONS ARE INSTALLED

REVISIONS

REV	DESCRIPTION	CHG NO	ORIG	DATE	APPD BY	DATE
—	ORIGINATED	4	VAILLAN-COURT	11/14/67	—	—
A	CHANGED PAGE 2	10	VAILLAN-COURT	3/22/68	170 Long Wharf	3/27/68
B	CHANGED PAGE 2	12	VAILLAN-COURT	5/2/68	R. Bellanca	5/2/68
C	CHANGED PAGE 2	13	J. O'LOUGH-LIN	5-15-68	R. Bellanca	5/6/68
D	CHANGED PAGE 2	8I-00009	J. O'LOUGHLIN	8-2-68	R. Bellanca	9/3/68
E		00013		9-24-68	R. Bellanca	10/4/68
F		00025		1-6-69	R. Bellanca	1/9/69
H		00026		1-13-69	R. Bellanca	1/16/69
J		00028	BOWMAN	1/20/69	M.E.A.	1/23/69
K		00047	CZAJKOWSKI	4-30-69	M.E.A.	5/1/69
L		00052		5-22-69	M.E.A.	5/28/69
M		8I-00097	M. ARSENAULT	2-4-70	M.E.A.	2/28/70
N	ADDED PAGE 10	8I-00105	M. ARSENAULT	7-10-70	M.E.A.	7/13/70
P	CORRECT PAGE 4	8I-00121	M. ARSENAULT	12-29-71	M.E.A.	1/3/72

ENG  
E. DECASTRO

APPD  
*R. Valancourt Jr.*

SIZE  
A

CODE  
SP

NUMBER  
8I-0-23

REV  
P.

**ENGINEERING SPECIFICATION**

*Digital*

**CONTINUATION SHEET**

TITLE TEMPORARY JUMPERS-REMOVE WHEN KP8I (POWER FAIL OPTION) IS INSTALLED

COLOR	SIGNAL NAME→	FROM PIN	TO PIN	← SIGNAL NAME
BLUE	STOP OK	E13K1	E13N1	+3 (34)
BLUE	RESTART	E10R2	E10A2	+5 VOLTS
BLUE	RESTART	E12L2	E12C2	GND

**ENGINEERING SPECIFICATION**

Digital

CONTINUATION SHEET

 TITLE TEMPORARY JUMPERS-REMOVE WHEN KE8I (EXTENDED ARITH.ELEMENT)  
 IS INSTALLED

COLOR	SIGNAL NAME →	FROM PIN	TO PIN	← SIGNAL NAME
BLUE	MQ ENABLE	F39F1	F39C2	GND
BLUE	SC ENABLE	F39F2	F40C2	GND
BLUE	EAE NO SHIFT EN.	F24C1	F24D1	+3 (44)
BLUE	EAE E SET	F23H2	F22L2	+3 (44)
BLUE	EAE ON Ø	F28R1	F32R1	+3 (48)
BLUE	EAE MEM ENABLE	F31D2	F31V1	+3 (48)
BLUE	B EAE ON	F33P2	F33C2	GND
BLUE	EAE L DISABLE	E28L1	E28C2	GND

**ENGINEERING SPECIFICATION**

Digital

CONTINUATION SHEET

TITLE TEMPORARY JUMPERS-REMOVE WHEN DL8I (DATA LINE INTERFACE) IS INSTALLED

COLOR	SIGNAL NAME →	FROM PIN	TO PIN	← SIGNAL NAME
BLUE	TT L DISABLE	C10L1	C10C2	GND
BLUE	TT SHIFT ENABLE	C09F2	C09C2	GND
BLUE	TT CARRY INSERTS	C09S2	C09T1	GND
BLUE	TT CARRY INSERT	D09N1	D09T1	GND
BLUE	TTL DISABLE	D09S2	D08T1	GND
BLUE	TT RIGHT SHIFT EN	C10F1	C10U2	+3 (23)
BLUE	INH D	E09H1	E09U1	+3 (59)
BLUE	INH D	E09H1	E09D1	E09D1
BLUE	E09D1	E09D1	D09P1	STORE
BLUE	STORE	D09P1	C09S1	TT CARRY INSERT
BLUE	TT CARRY INSERT	C09S1	D09R2	S (Ø)
BLUE	S (Ø)	D09R2	C09K2	MEM INH 9-11
BLUE	MEM INH 9-11	C09K2	C09K1	TT SHIFT EN
BLUE	TT SHIFT EN	C09K1	D07C1	C NO SHIFT
BLUE	TT CYCLE	C10N1	C12V1	+3 (61)
BLUE	TT CYCLE	C10N1	C10C1	TT SET
BLUE	TT SET	C10C1	D10L1	TT INCREMENT
BLUE	TT INCREMENT	D10L1	D09V1	TT AC LOAD
BLUE	TT AC LOAD	D09V1	D09P2	TT INST
BLUE	TT INST	D09P2	D09S1	TT I/O ENABLE
BLUE	TT IO ENABLE	D09S1	C10F1	TT RIGHT SHIFT EN

SIZE	A	CODE	SP	NUMBER	RF'
				8I-0-23	P

SIZE	A	CODE	SP	NUMBER	RF'
				8I-0-23	P

**ENGINEERING SPECIFICATION**

digital

CONTINUATION SHEET

**TITLE** TEMPORARY JUMPERS-REMOVE WHEN MC8I (MEMORY EXTENSION CONTROL)  
IS INSTALLED

COLOR	SIGNAL NAME →	FROM PIN	TO PIN	← SIGNAL NAME
BLUE	EA2 (1)	H03H2	H03C2	GND
BLUE	A20V1	C12D2	C12C2	GND

**ENGINEERING SPECIFICATION**

digital

CONTINUATION SHEET

**TITLE** TEMPORARY JUMPERS-REMOVE WHEN KW8KD/ or E or F (REAL TIME CLOCK)  
IS INSTALLED

COLOR	SIGNAL NAME →	FROM PIN	TO PIN	← SIGNAL NAME
BLUE	CLK AC CLR	J15K1	F11U1	+3 (69)

**ENGINEERING SPECIFICATION**

digital

CONTINUATION SHEET

TITLE TEMPORARY JUMPERS-REMOVE OR ADD AS NOTED WHEN KA8I (POSITIVE BUS)  
TITLE IS INSTALLED

COLOR	SIGNAL NAME→	FROM PIN	TO PIN	←SIGNAL NAME	ADD	DEL
BLUE	F12E1	F12T2	F12E1	TIMING CHANGE	X	
BLUE	F12E1	F12E1	F12V2	ON M310	X	

**ENGINEERING SPECIFICATION**

digital

CONTINUATION SHEET

TITLE TEMPORARY JUMPERS-REMOVE WHEN KT8I (TIME SHARING OPTION)  
IS INSTALLED

COLOR	SIGNAL NAME→	FROM PIN	TO PIN	← SIGNAL NAME
BLUE	CUF	F11H2	F11U1	+3 (69)
BLUE	UF (Ø)	E13D1	E15M2	+3 (34)
BLUE	ME 5	J13U2	H13P2	+3 (52)
BLUE	UINT	F19N1	F19N2	+3 (43)
BLUE	SKIP (1)	E18U1	B04V1	SKIP ORED

**ENGINEERING SPECIFICATION**

digital

**CONTINUATION SHEET**

**TITLE** TEMPORARY JUMPERS-REMOVE WHEN VC8I (DISPLAY CONTROL) IS INSTALLED

COLOR	SIGNAL NAME →	FROM PIN	TO PIN	← SIGNAL NAME
BLUE	LIGHT PEN OUTPUT	DO3V2	DO3T1	GND

**ENGINEERING SPECIFICATION**

digital

**CONTINUATION SHEET**

**TITLE** Temporary Jumpers-Remove when MP8I (Memory Parity Control) is installed

Color	Signal Name →	From Pin	To Pin	← Signal Name
Blue	MP INT	J15H2	E15V1	+3 Volts (70)
Blue	MP SKIP	J15D1	F09V1	+3 Volts (71)

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BASIC CAB	QTY	CABLE & NUMBER	LENGTH
AF01 TO PT08	6	W031 TO W031 7405552-8	48 IN
AF01 TO AA01A	6	W031 TO W031 7405552-8	48 IN
AF01 TO 8I	6	W031 TO W031 7405552-13	108 IN
AF01 TO DF32	6	W031 TO W031 7405552-9	60 IN
DF32 TO 8I	5/11	W031 TO W031 7405552-13	108 IN
DF32 TO PT08	6	W031 TO W031 7405552-8	48 IN
DF32 TO AA01A	6	W031 TO W031 7405552-8	48 IN
PT08 TO 8I	6	W031 TO W031 7405552-12	96 IN
PT08 TO AA01A	6	W021 TO W021 7005541-5	2 FT
AA01A TO 8I	6	W031 TO W031 7405552-12	96 IN
PP8I TO 8I	1	W033 TO W077 7005792	87 IN
PR8I TO 8I	1	W033 TO W077 7005792	87 IN
VC8I TO 8I	1	CONNECTOR TO W011 7005771	104 IN
VC8I TO 8I	1	CONNECTOR TO W011 7005772	78 IN
PC8I TO 8I	2	W033 TO W077 7005792	87 IN
BASIC CAB TO OPTION CAB	QTY	CABLE & NUMBER	LENGTH
8I TO MM8I	5	W011 TO W021 7405556-2	3 FT
8I TO DM01	5/11	W031 TO W031 7405552-8	48 IN
8I TO DF32	5/11	W031 TO W031 7405552-4	120 IN
OPTION CAB	QTY	CABLE & NUMBER	LENGTH
DF32 TO DS32	3	W011 TO W021 7005820-1	4 FT
DM01 TO DF32	5/11	W011 TO W021 7005820-2	8 FT
MM8I TO MM8I	5	W033 TO W033 7005770-1	1/4
AF01 IN BASIC CAB TO DF32 IN OPTION CAB	6	W031 TO W031 7405552-8	48 IN

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
<b>UNLESS OTHERWISE SPECIFIED</b> DRN: <i>J. Madden</i> DATE: <i>4/8/68</i> CDR'D. <i>M. Healey</i> DATE: <i>4/2/68</i> ENG: <i>G. Gossman</i> DATE: <i>4-20-68</i> PROL. ENG. <i>J. J. Daugherty</i> DATE: <i>3/12/68</i> PROD. <i>B. Vultaggio</i> DATE: <i>3/12/68</i> FIRST USED ON D-AR-8I-0-24 D-AR-8I-0-25 <b>digital EQUIPMENT CORPORATION</b> MAYNARD, MASSACHUSETTS <b>TITLE</b> <b>OPTION CABLE CONNECTORS</b> <b>SIZE CODE</b> <b>NUMBER</b> <b>REV.</b> <b>CIC 8I-0-29</b>			
FINISH	SCALE	SHEET	DIST.
---	---	1 OF 1	

REVISIONS	CHANGE NO.	REV.
CHK		

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REVISIONS		REV.
CHK	CHANGE NO.	
2-28	81-00044	A
		ARSENAL Y-12

**DEC FORM NO.**  
**DRC 100**

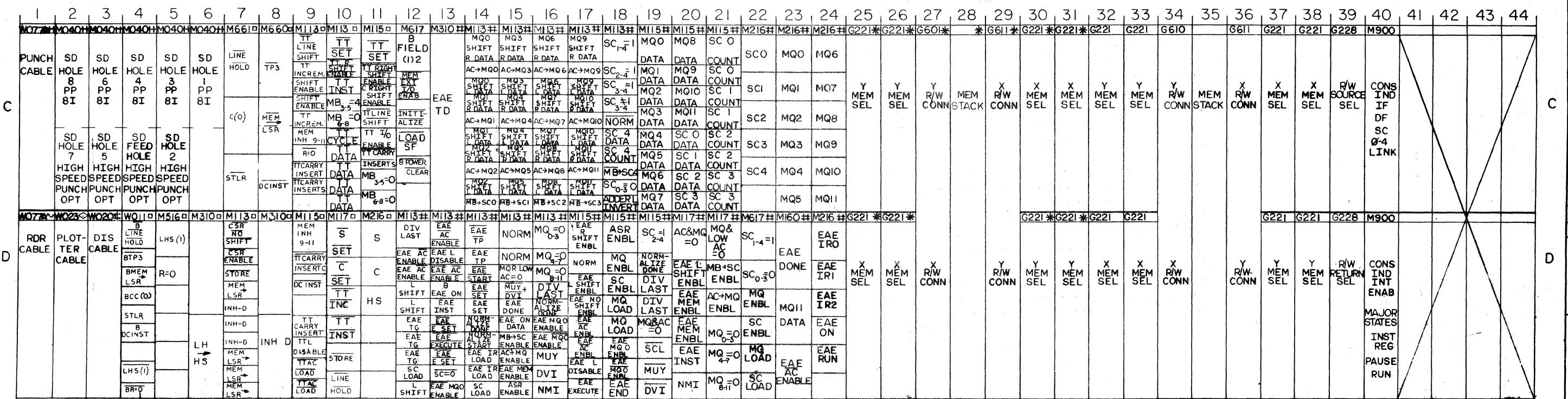
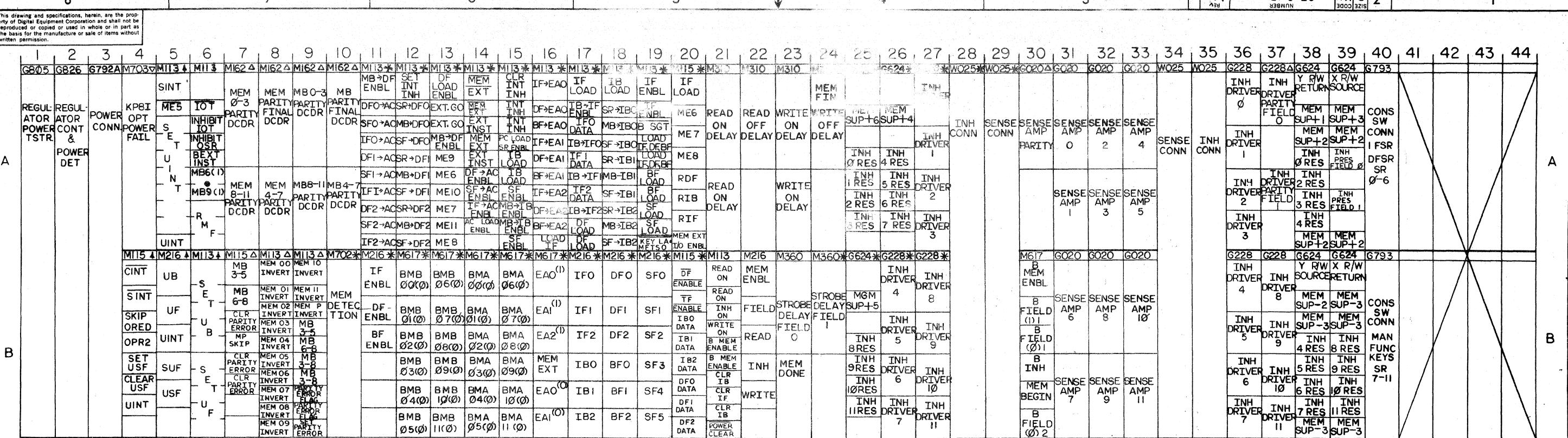
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779 P.S. OUTPUT: 7.5 AMPS +10, 8.5 AMPS -15	FIRST USED ON OPTION/MODEL <b>8/I</b>	QTY.	DESCRIPTION	PART NO.	ITEM NO.
779 P.S. INPUT: 4.2 AMPS AC			PARTS LIST		
728 P.S. INPUT: 1.8 AMPS AC					
<b>UNLESS OTHERWISE SPECIFIED</b>					
<b>UNLESS OTHERWISE SPECIFIED</b>					
DIMENSION IN INCHES					
TOLERANCES					
DECIMALS	FRACTIONS	ANGLES			
$\pm .005$	$\pm 1/64$	$\pm 0^{\circ}30'$			
FINAL SURFACE QUALITY ✓ REMOVE BURRS AND BREAK SHARP CORNERS					
<b>MATERIAL</b>					
+ +					
A-ML-8/I-O					
<b>FINISH</b>					
+ +					
SCALE + +					
SHEET OF					
NEXT HIGHER ASSY					
C I C 8I-O-28					
OPTION POWER REQUIREMENT					
SIZE CODE	NUMBER	REV.			
C I C	8I-O-28	A			
DIST.					



NOTES: I. NOTATION INDICATES USE ONLY WHEN OPTION INSTALLED

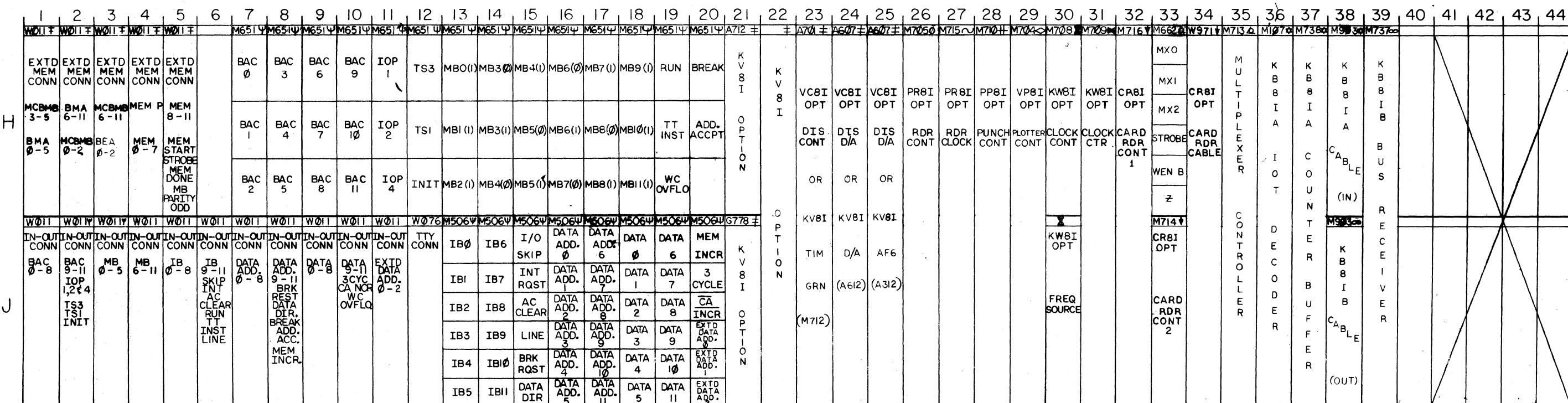
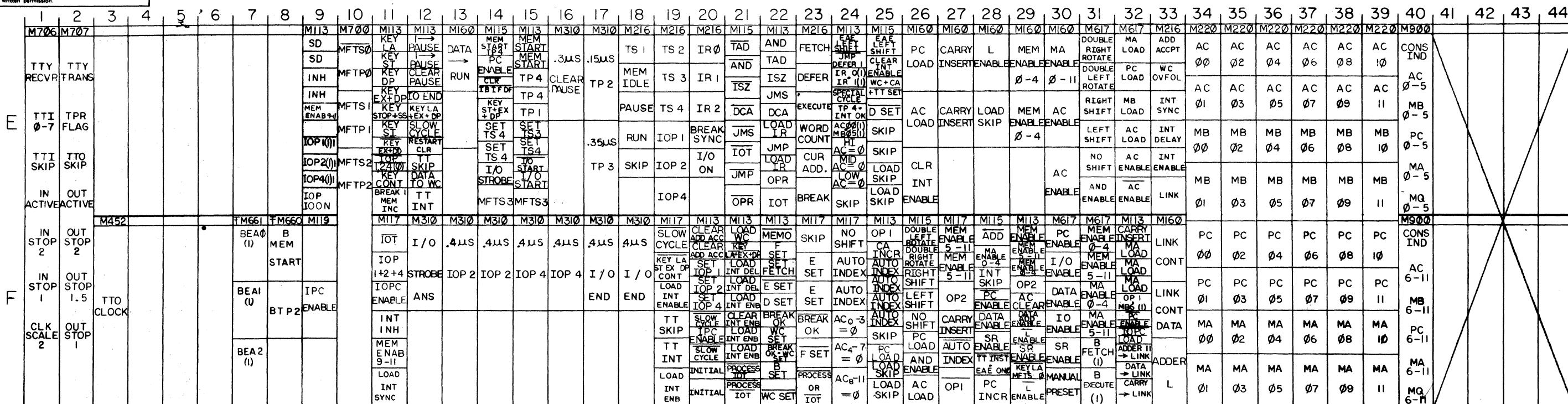
\*MCBI  DLBI  VPBT  KTBI  
KEBI  PPBT  VCBI  
MPBT  PRBT  KPBT

2.\*FOR MC81 REPLACE THE G020'S IN LOC A30,A31,A32,A33  
B31-B32 AND B33 WITH G021'S

3.\*~~FOR MP81 AND MC81B THE USUAL MEMORY STACK  
DEC#30-052561 IS REPLACED BY DEC#30-05256-2  
WITH GI12S AT LOC CD36 AND CD29 RESPECTIVELY.~~

UNLESS OTHERWISE SPECIFIED			DRN.	DATE	EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
UNLESS OTHERWISE SPECIFIED			R.BERNIER	8/9/67	<b>digital</b>		
DIMENSION IN INCHES			CHK'D.	DATE			
TOLERANCES			P. DAIGNEAULT	8/1/67	TITLE		
DECIMALS	FRACTIONS	ANGLES	ENG.	DATE	MODULE UTILIZATION		
± .005	± 1/64	± 0°30'	E. DECASTRO	10/10/67			
FINAL SURFACE QUALITY ✓			PROJ. ENG.	DATE			
REMOVE BURRS AND BREAK SHARP CORNERS			E. DECASTRO	10/10/67			
MATERIAL			PROD.	DATE			
			B. VALLANCOURT	8/21/67			
FIRST USED ON							
E-UA-8I-O-O							
FINISH			SCALE	SIZE	CODE	NUMBER	REV
				D	MU	8I-0-17	AN
SHEET 1 OF 2			DIST.				

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MORE FT. OF CABLE. THE  
M902 YA IS PLACED IN  
LOCATION J3 WITH  
OPTION ON THE BUS

6. M715 MUST BE REV  
"K" CIRCUIT OR  
HIGHER.

4. M660 IN SLOT FO 8  
M661 IN SLOT FO 7  
TO BE PUT IN WITH

FIRST MMSI ONLY

5. ¶ THE M902YB IS ALWAYS PLACED AT THE END OF THE POSITIVE 10 BUS FOR TOPS, AC & TIME STATES WITH 5 OR MORE FEET OF CABLE. THE M902YB IS PLACED IN LOCATION J02 WHEN NO OPTIONS ON THE 10 BUS.  
¶ THE M902YA IS ALWAYS PLACED AT THE END OF THE POSITIVE 10

THE M902 YA IS ALWAYS PLACED  
AT THE END OF THE POSITIVE IO  
BUS FOR MD BITS, WITH 5 OR

NOTES: I. NOTATION INDICATES USE ONLY WHEN OPTION INTALLED

VC8I	VP8I	KWBID,E,F	KB8I-B
PR8I	MM8I	CR8I	VM08
PP8I	KW8I	KB8I-A	

2. FREQ SOURCE AT LOC J30 IS AS FOLLOWS

M50I KW8IA OR D M40I KW8IB OR E

3.4 FOR KAB1 REPLACE M506'S IN LOC J13 TO J20 WITH M516'S;  
REPLACE M651'S IN LOC H07 TO H20 WITH M661'S;  
EXCEPT USE M660'S IN LOC H11 AND H12

UNLESS OTHERWISE SPECIFIED		DRN.	DATE	<b>digital</b> <b>EQUIPMENT CORPORATION</b> <small>MAYNARD, MASSACHUSETTS</small>	
UNLESS OTHERWISE SPECIFIED		CHK'D.	DATE		
DIMENSION IN INCHES		ENG.	DATE		
TOLERANCES		PROJ. ENG.	DATE		
DECIMALS	FRACTIONS	ANGLES			
± .005	± 1/64	± 0°30'			
FINAL SURFACE QUALITY		MODULE UTILIZATION			
REMOVE BURNS AND BREAK SHARP CORNERS					
MATERIAL		FIRST USED ON			
FINISH		SCALE	SIZE CODE	NUMBER	REV.
		SHEET 2 OF 2	DIST	D MU 81-0-17	AN



## PARTS LIST

**MODIFICATION NO. & QUANTITY**



## **PARTS LIST**

**MODIFICATION NO. & QUANTITY**

## REVIEWS

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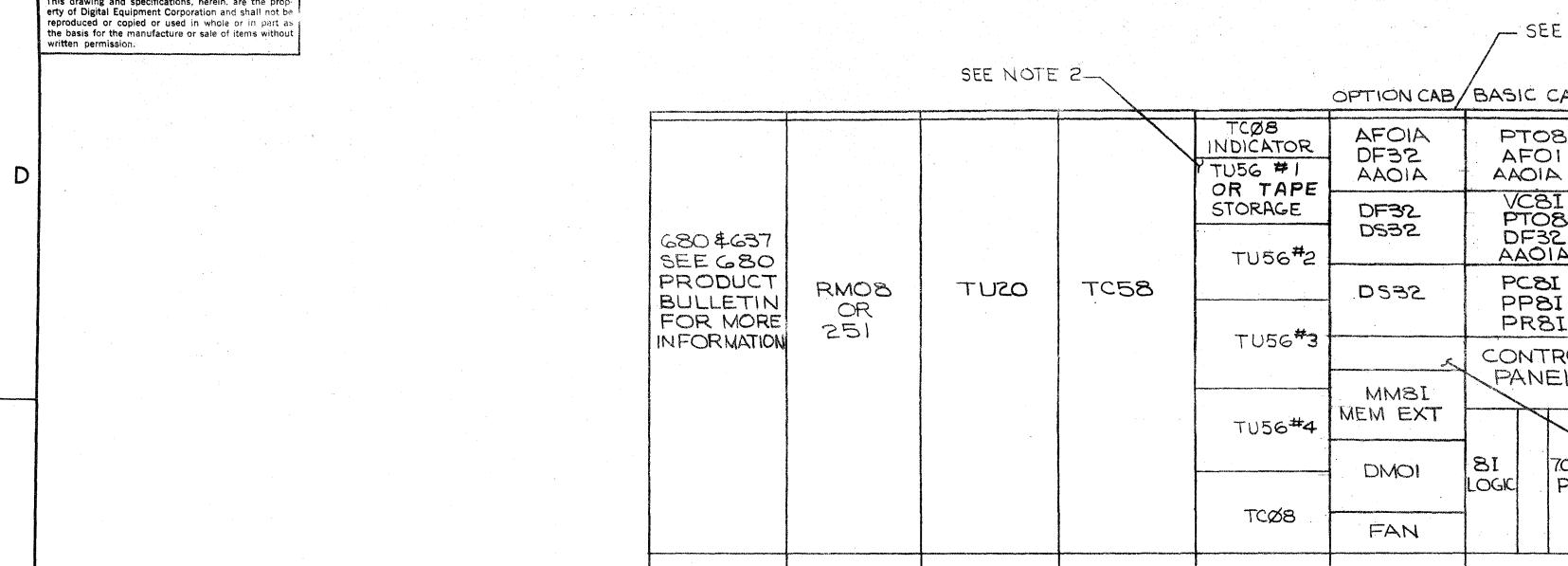
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DAR/8/I-0-25



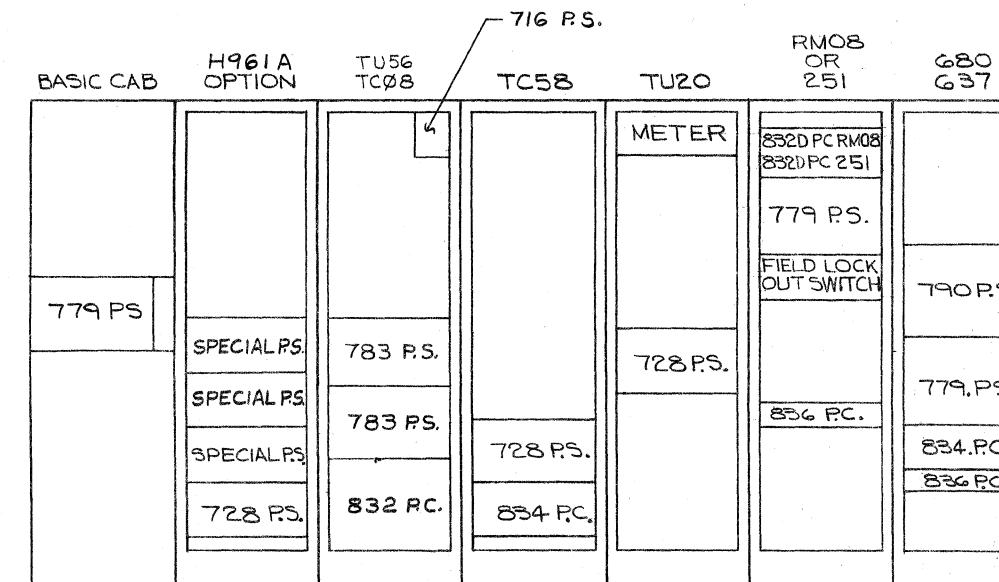
NOTES:

- OPTION CABINET H961A SHALL ALSO INCLUDE PANEL DISTRIBUTION ASSY \*D-AD-7005409-0-0 COVERS C-IA-7405570-0-0 COVER RETAINERS \*C-IA-7405570-2-0 (COVERS RETAINERS TO BE USED TO FILL ANY SPACES LEFT BLANK ON FRONT OF OPTION CABINET H961A)
- IF FOUR TU56'S ARE USED, INSTA TAPE STORAGE RACK ELSEWHERE IN THE SYSTEM.

2. IF FOUR TU56'S ARE USED, INSTA TAPE STORAGE RACK ELSEWHERE IN THE SYSTEM.

EXPANSION OF  
MM8I OR DS32  
OPTIONS UP OR DOWN (MM8I'S MUST BE  
ADJACENT WITH FAN HOUSING, 7405005  
BENEATH BOTTOM OF TWO OR MORE  
UNITS).  
OPTION CAB WILL TAKE NO MORE THAN  
4 DISCS IF DMOI IS REQ'D 3 DISCS MAX.

FRONT



REAR

CHK	CHANGE NO	REV	REVISIONS
	81-00014	A	J. O'Leary 10-2-68
	81-00024	B	J. O'Leary 10-2-68
	81-00046	C	J. O'Leary 10-2-68
	81-00098	D	J. O'Leary 10-2-68
	81-00106	E	J. O'Leary 10-2-68
	81-00107	F	J. O'Leary 10-2-68
	81-00108	G	J. O'Leary 10-2-68

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1

FIRST USED ON OPTION/ MODEL		PARTS LIST	
BY: <i>J. O'Leary</i>	DATE: <i>7/14/68</i>	digital EQUIPMENT CORPORATION	MAYNARD, MASSACHUSETT
ENG: <i>J. O'Leary</i>	DATE: <i>7/24/68</i>	TITLE: SYSTEM CONFIGURATION (8I)	
PROD: <i>J. O'Leary</i>	DATE: <i>4-30-68</i>	SIZE CODE: <i>DAR</i>	NUMBER: <i>8/I - 0 - 25</i>
PROD: <i>J. O'Leary</i>	DATE: <i>5/21/68</i>	RI: <i>1</i>	
MATERIAL: <i>J. O'Leary</i>	NEXT HIGHER ASSY: <i>J. O'Leary</i>		
FINISH: <i>J. O'Leary</i>	SCALE: <i>1/12</i>		
	SHEET: <i>1 OF 4</i>		
	DIST: <i>G</i>		

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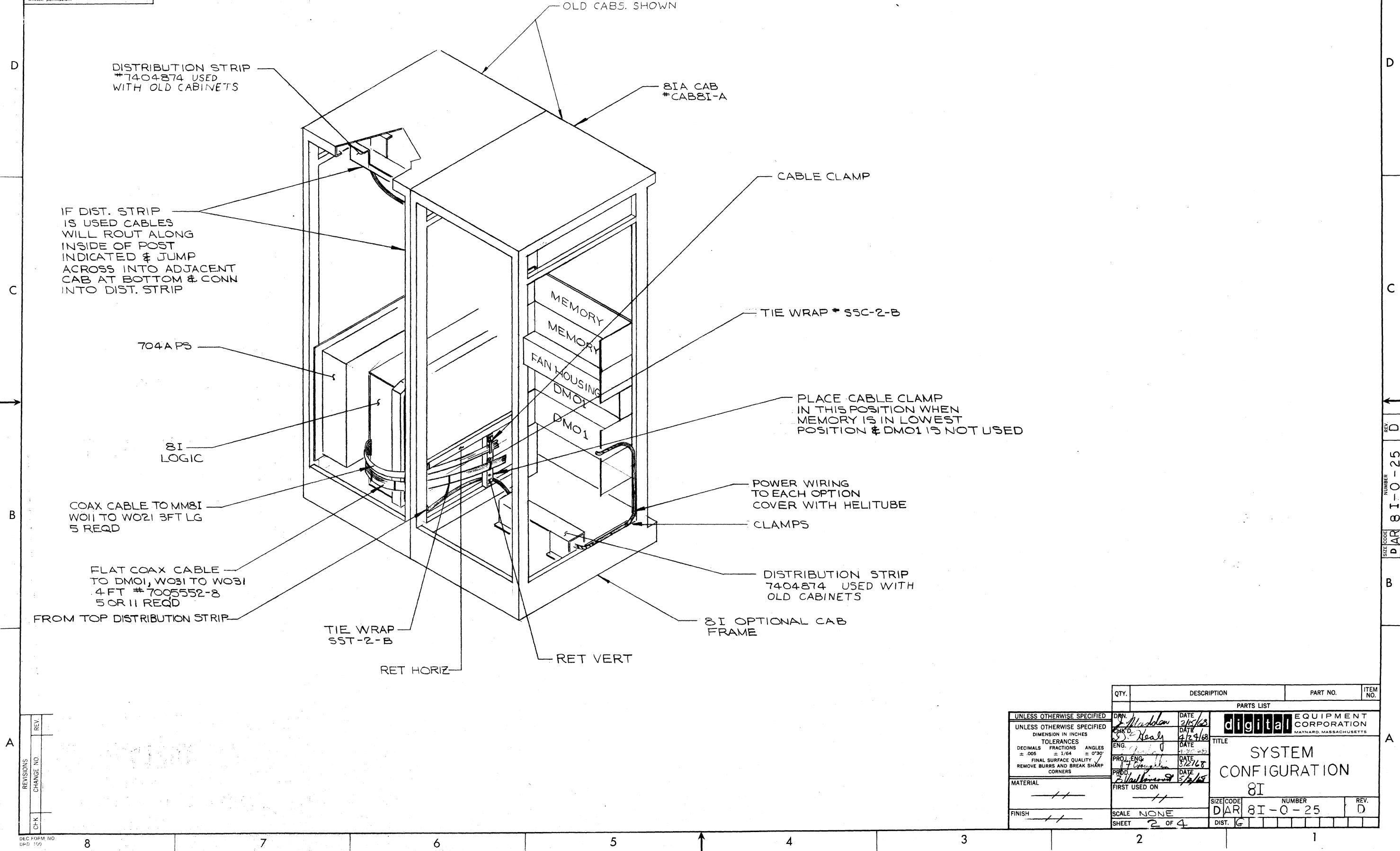
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REVISIONS	CHANGE NO.	REV.
CHK		

DEC FORM NO. D40-109

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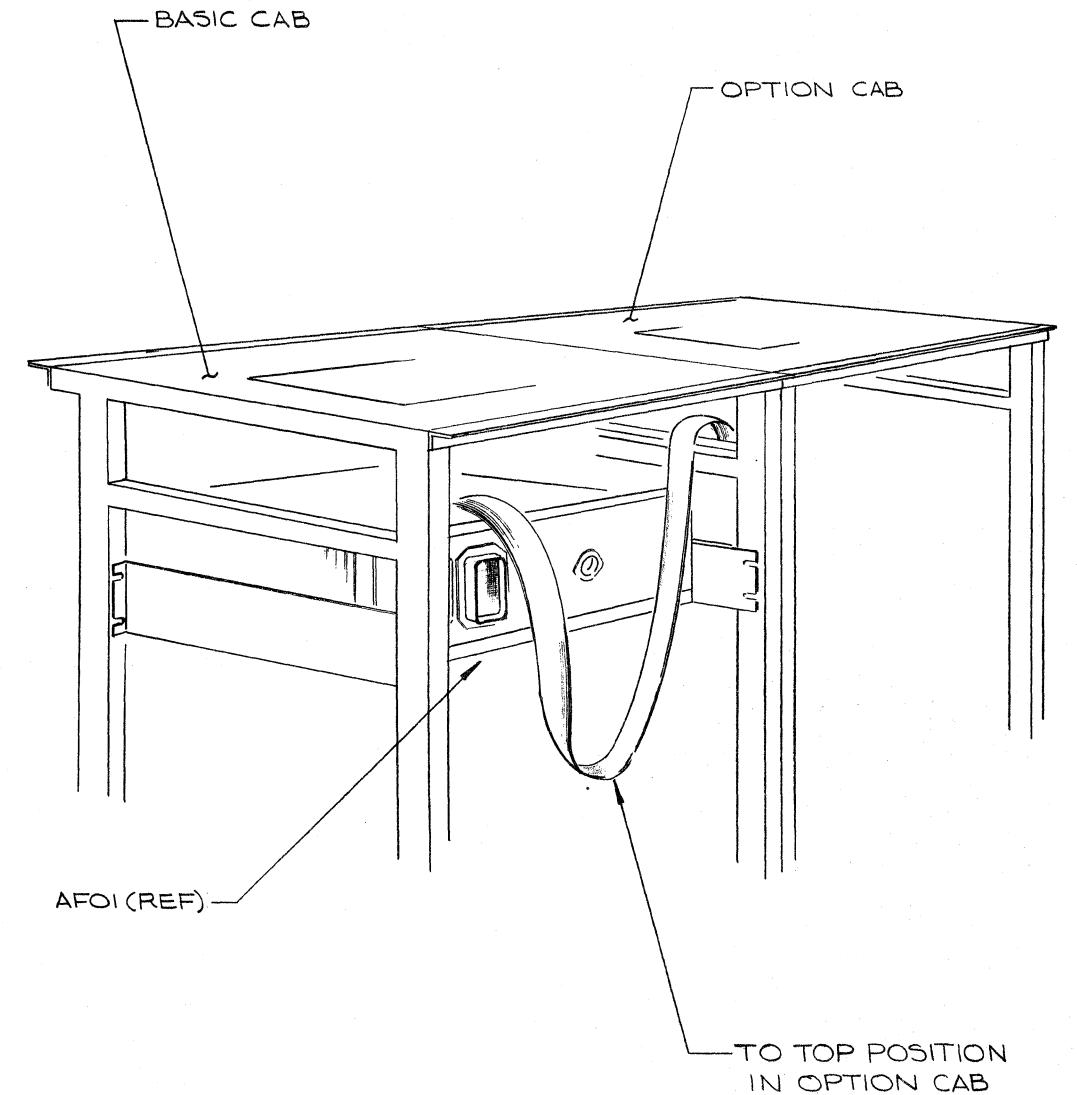
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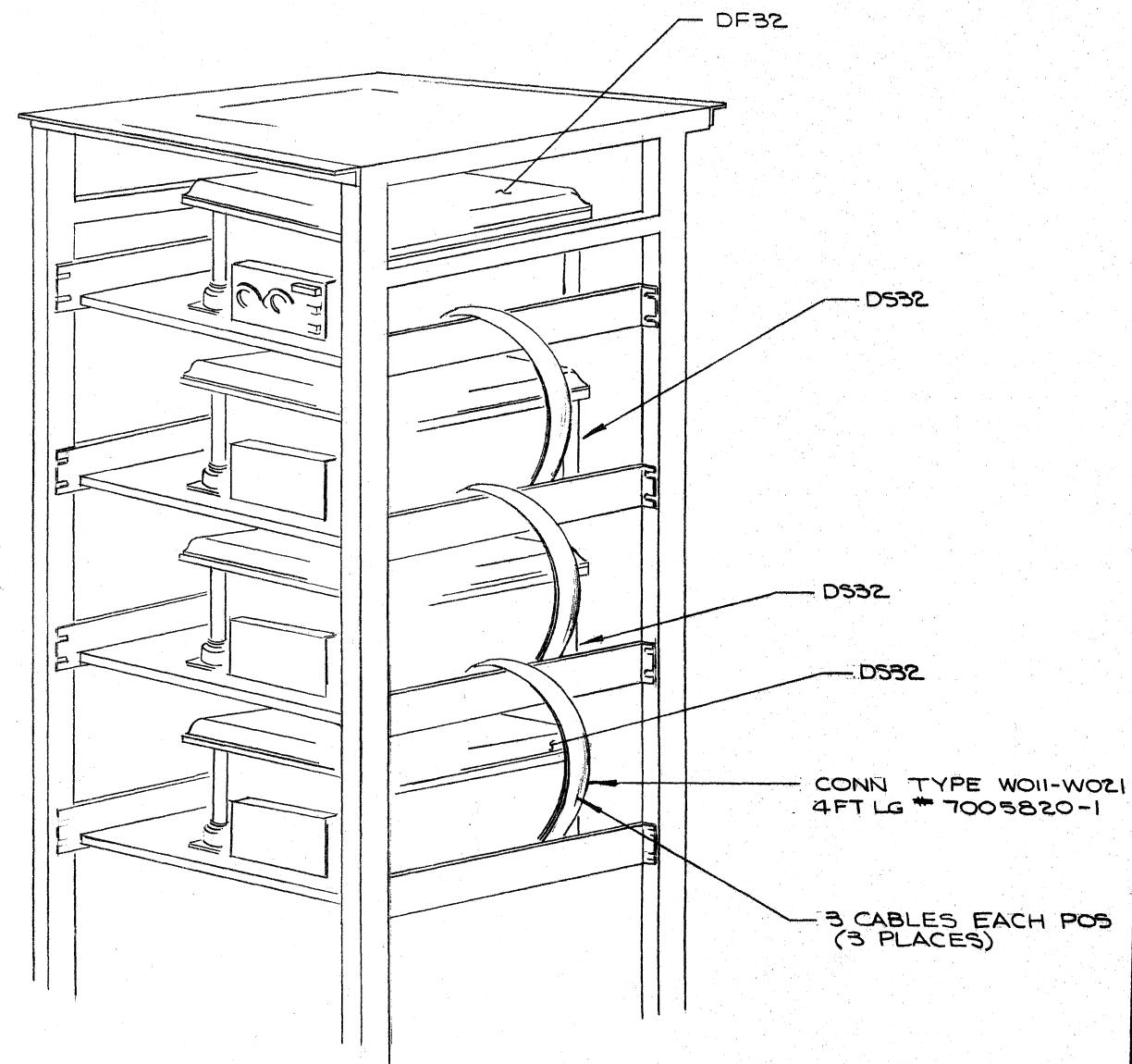
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8 7 6 5 4 3 2 1



CABLING FROM  
TOP POSITION OF BASIC CAB  
TO TOP POSITION OF OPTION CAB



DF32 & DS32 CABLING

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DAN	<i>J. Maslakow</i>	DATE 4/1/68	EQUIPMENT CORPORATION
CHKD	<i>J. Maslakow</i>	DATE 4/2/68	MAYNARD, MASSACHUSETTS
ENG.	<i>J. Maslakow</i>	DATE 4/1/68	TITLE
PROJ. ENG.	<i>J. Maslakow</i>	DATE 5/2/67	
PROD.	<i>J. Maslakow</i>	DATE 5/2/67	
MATERIAL	<i>J. Maslakow</i>	DATE 5/2/67	
FIRST USED ON	<i>J. Maslakow</i>	DATE 5/2/67	
FINISH	<i>J. Maslakow</i>	SCALE NONE	
SHEET	<i>J. Maslakow</i>	3 OF 4	

SYSTEM  
CONFIGURATION  
(8 I)

A  
REVISIONS  
CHANGE NO.  
REV.  
C  
CHK

DEC FORM NO.  
DD FORM 100

8

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SIZE CODE  
DAR 8I-0-25  
REV. D

SIZE CODE  
DAR 8I-0-25  
NUMBER  
REV. D

B

A

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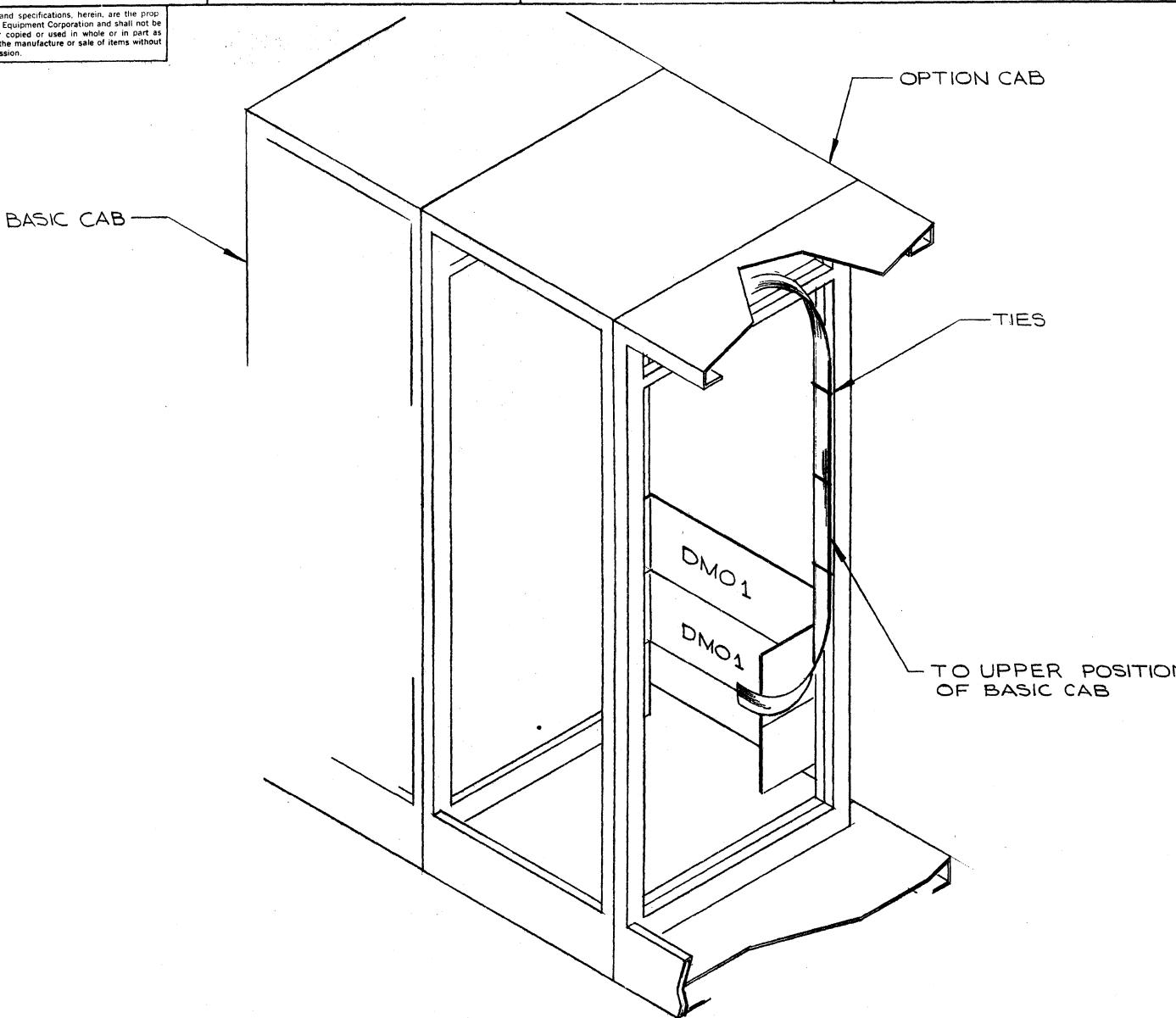
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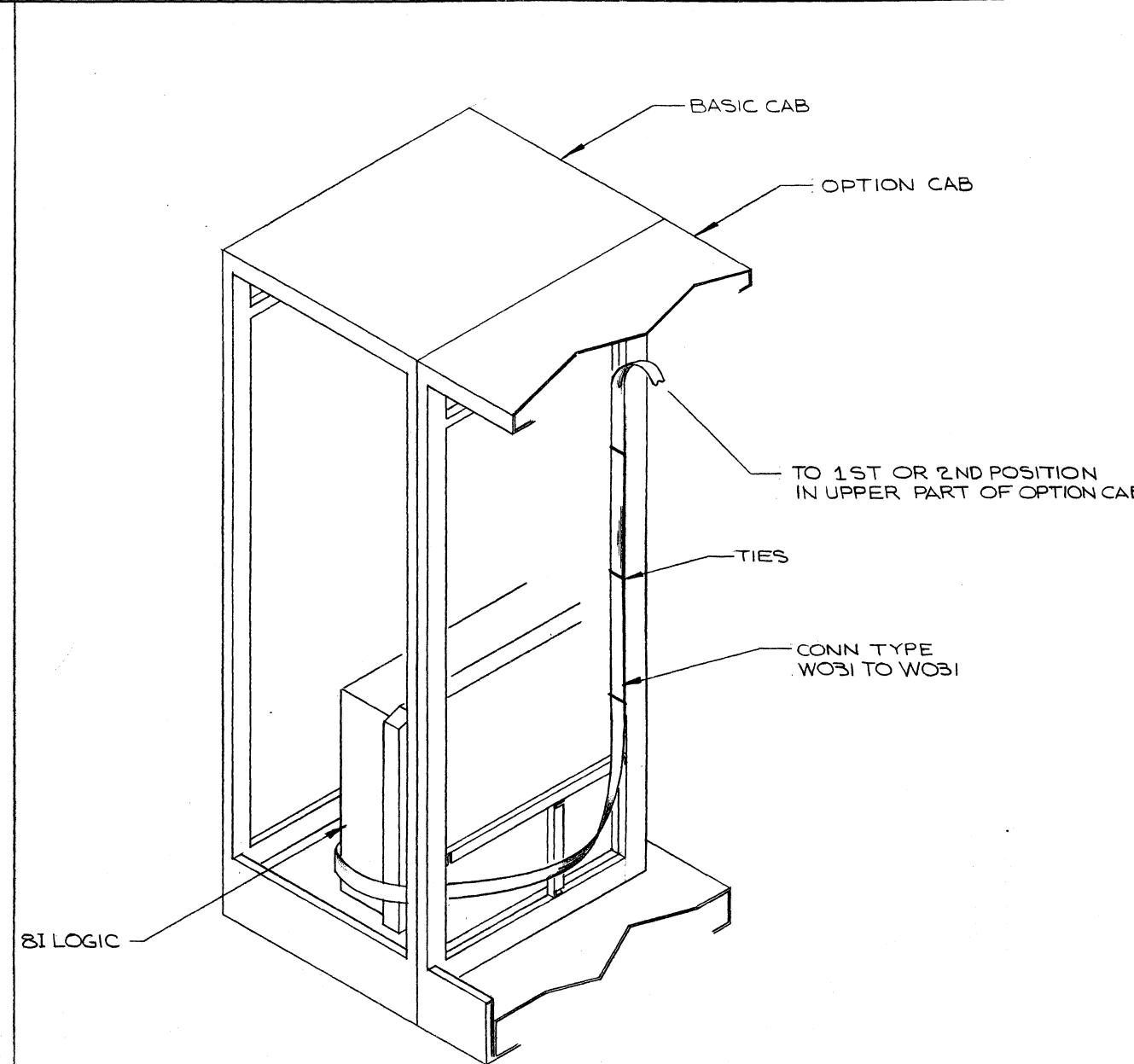
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DMO1 TO OPTIONS  
WHEN USING BASIC & OPTIONAL CAB



BI TO UPPER PART  
OF OPTION CAB

REVISIONS	CHANGE NO.	REV.
CHK.		

DEC FORM NO.  
DPD 100

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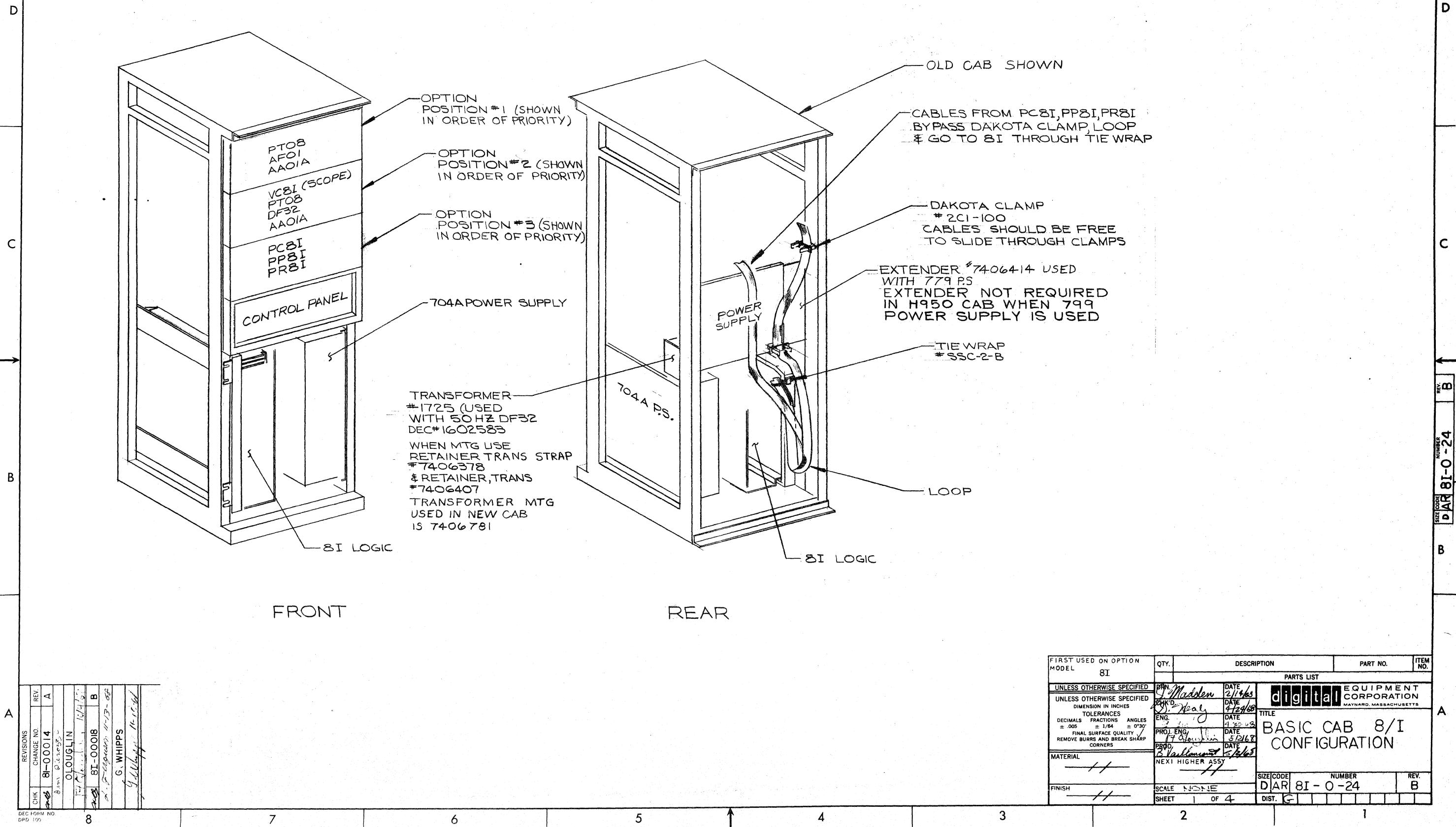
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QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DRN:	DATE	EQUIPMENT CORPORATION	
CHKD:	DATE	digital MAYNARD, MASSACHUSETTS	
ENG:	DATE	TITLE	
PROJ. ENG:	DATE	SYSTEM	
PROD:	DATE	CONFIGURATION	
MATERIAL		(8I)	
FIRST USED ON			
FINISH	SPEC. NONE	SIZE CODE	NUMBER
	4 OF 4	DAR 8I-0-25	REV. D

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FIRST USED ON OPTION MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	PRN. J. Madden	DATE 2/1/68	EQUIPMENT CORPORATION	
UNLESS OTHERWISE SPECIFIED	REV. A	DATE 4/29/68	MAYNARD, MASSACHUSETTS	
DIMENSION IN INCHES	ENG. G. Whipple	DATE 1-20-68	TITLE	
TOLERANCES	PROJ. ENG. J. F. L. Johnson	DATE 5/26/68	BASIC CAB 8/I	
DECIMALS FRACTION ANGLES	PROD. B. Ballantine	DATE 5/26/68	CONFIGURATION	
$\pm .005$ $\pm 1/64$ $\pm 0^{\circ}30'$	MATERIAL /	NEXT HIGHER ASSY /		
FINAL SURFACE QUALITY / REMOVE BURRS AND BREAK SHARP CORNERS	FINISH /	SCALE NONE		
		SHEET 1 OF 4		
		DIST. G		

CHK	CHANGE NO	REV
8I-00014	A	
G. Whipple	11-3-68	
OLOUGLIN	11-1-68	
G. Whipple	11-1-68	
	8I-00018	B
	G. Whipple	11-3-68
	G. Whipple	11-1-68

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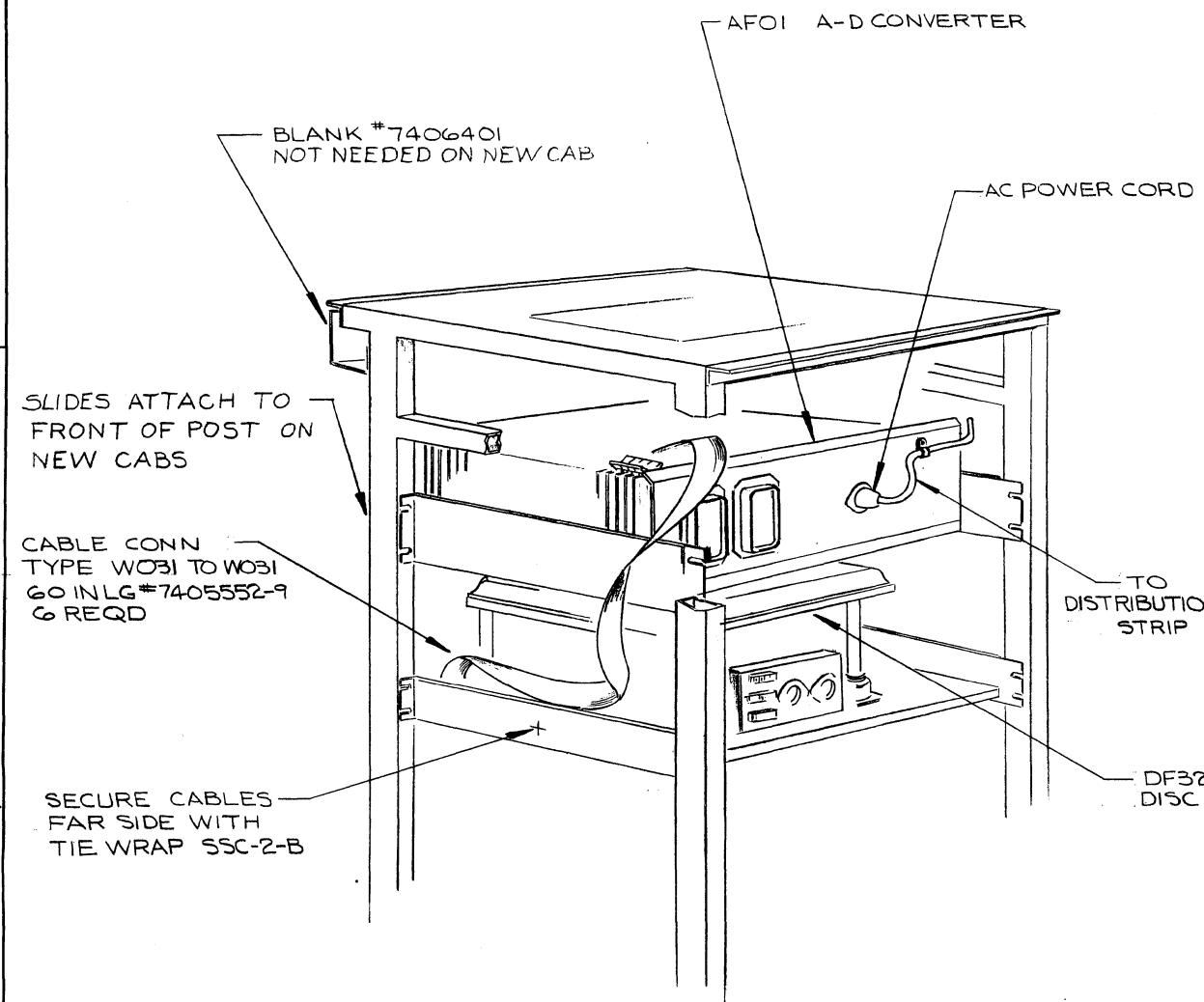
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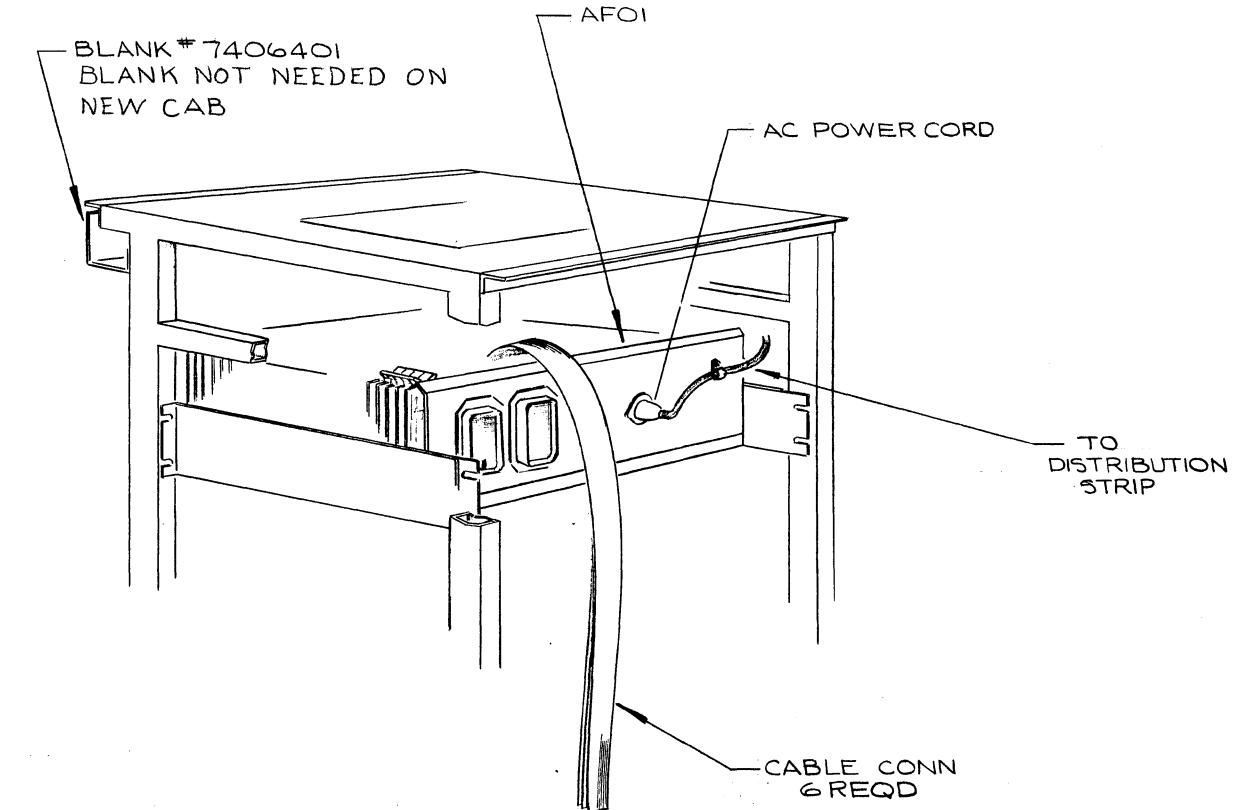
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D



AFOI TO DF32



## AFOI TO PT08 OR AAOIA OR 8I

AFOI TO PT08 OR AAOIA W031 TO W031  
48 IN LG #7405552-8

AFOI TO 8I W031 TO W031 108 IN LG#7405552-13

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DRN. <i>J. Madden</i>	DATE <i>4/1/68</i>	digital EQUIPMENT CORPORATION	TITLE
MRD. <i>J. Deary</i>	DATE <i>4/24/68</i>	MAYNARD, MASSACHUSETTS	
DECIMALS FRACTIONS ANGLES $\pm .005$ $\pm 1/64$ $\pm 0'30'$	TOLERANCES		
FINAL SURFACE QUALITY / REMOVE BURRS AND BREAK SHARP CORNERS	ENG. <i>J. Deary</i>	PROJ. ENG. <i>J. Deary</i>	DATE <i>5/26/67</i>
MATERIAL <i>/</i>	PROD. <i>B. Bullockson</i>	PROD. <i>B. Bullockson</i>	DATE <i>5/26/68</i>
FINISH <i>/</i>	FIRST USED ON <i>/</i>	SCALE <i>NONE</i>	SHEET <i>2 OF 4</i>
		DAR 8I-0-24	REV. B

REVISIONS	REV.
CHANGE NO.	
CHK	

DEC FORM NO.  
DPD 105

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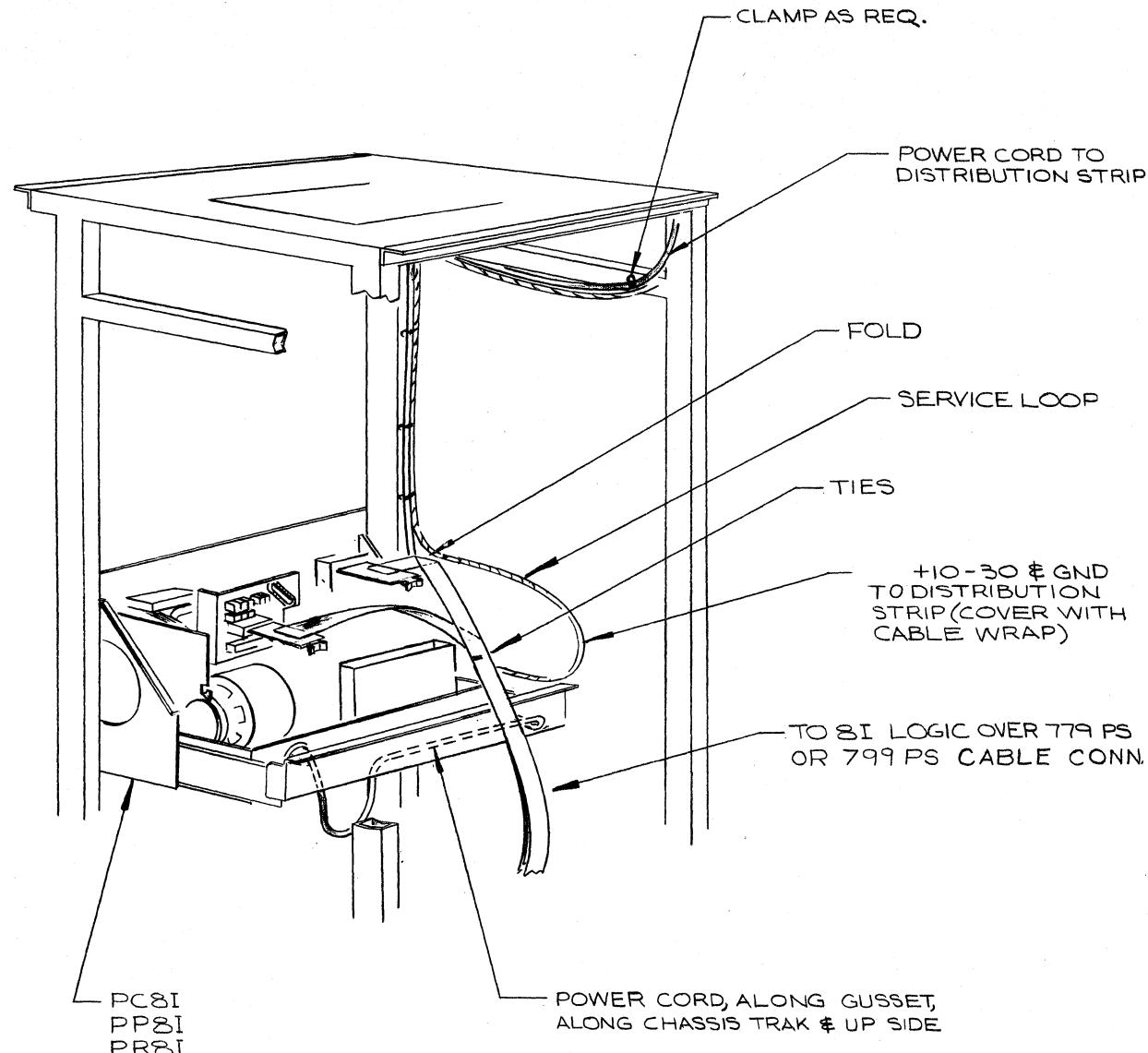
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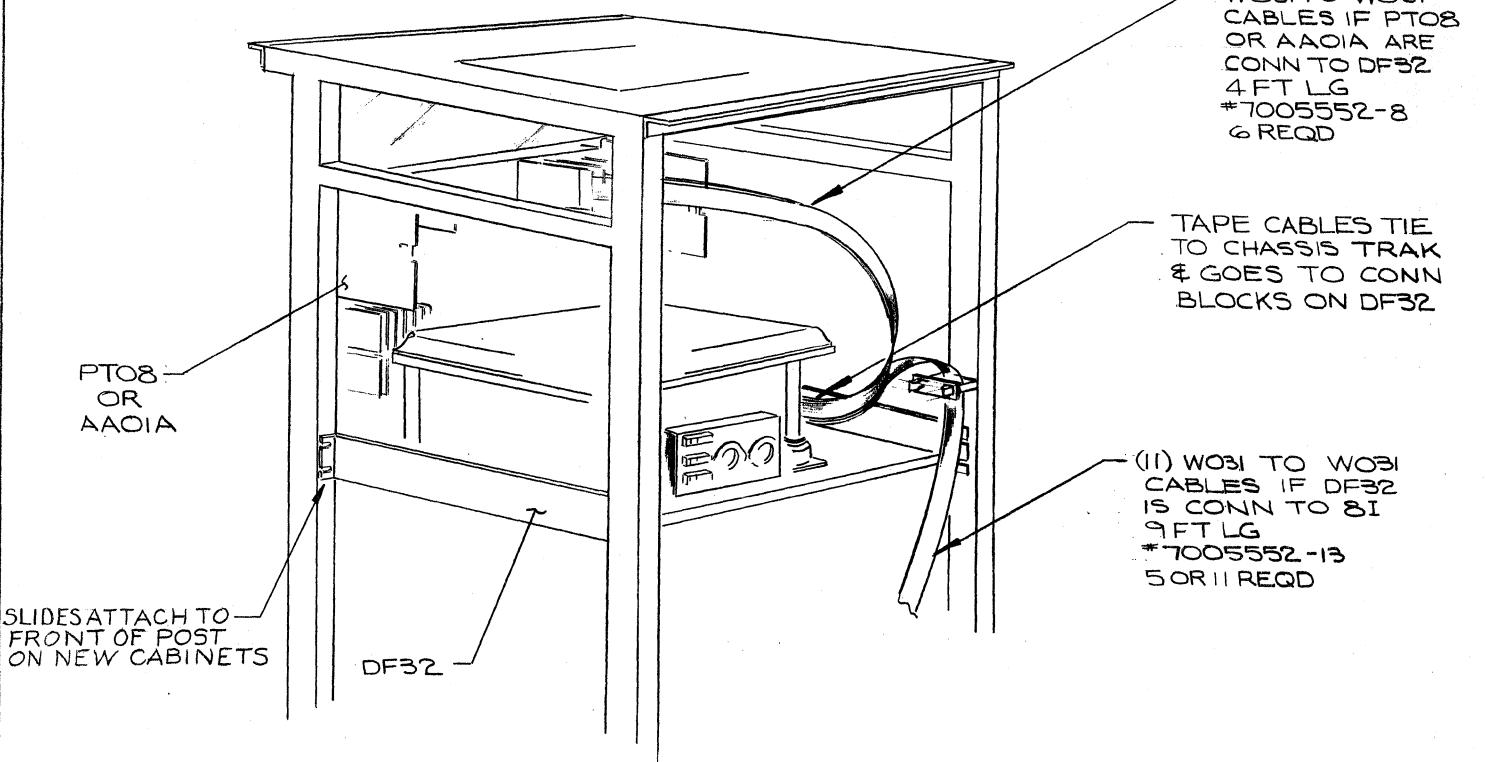
3

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PC8I, PP8I OR PR8I TO 8I

PT08 OR AAOIA TO DF32  
DF32 TO 8I

A  
REVISIONS  
CHANGE NO.  
REV.  
CIRK

DEC FORM NO.  
DOD 100

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QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
BRN	Murphy	DATE 9/1/68	EQUIPMENT CORPORATION
SAK'D	Nealy	DATE 11/29/68	MAYNARD, MASSACHUSETTS
ENG	Gallop	DATE 5-2-68	
PROJ. ENG.	Johnston	DATE 5/2/68	
PROD.	Hallsworth	DATE 5/14/68	
FIRST USED ON			
FINISH	SCALE NONE	NUMBER DAR 81-0-24	REV. B
	SHEET 3 OF 4	DIST. 6	

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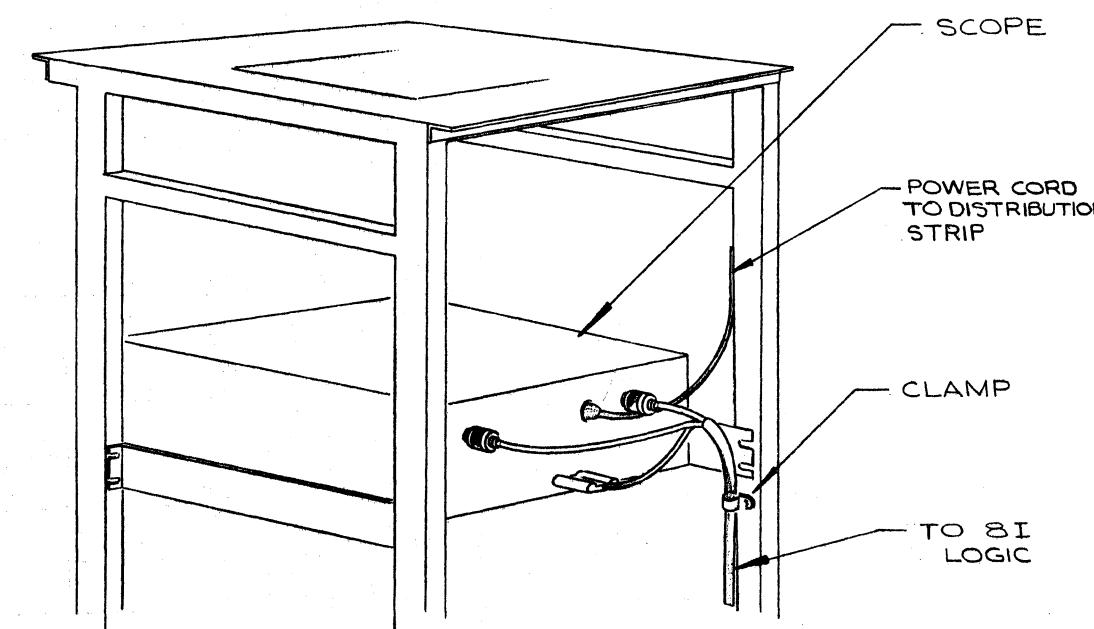
C

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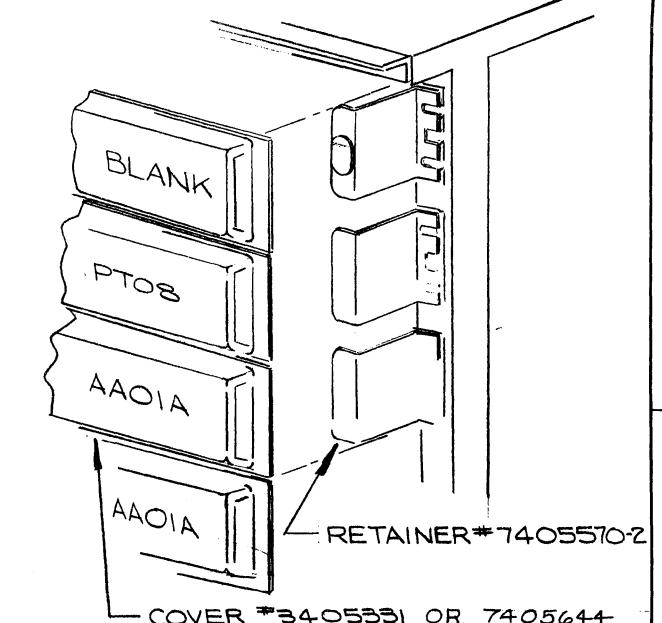
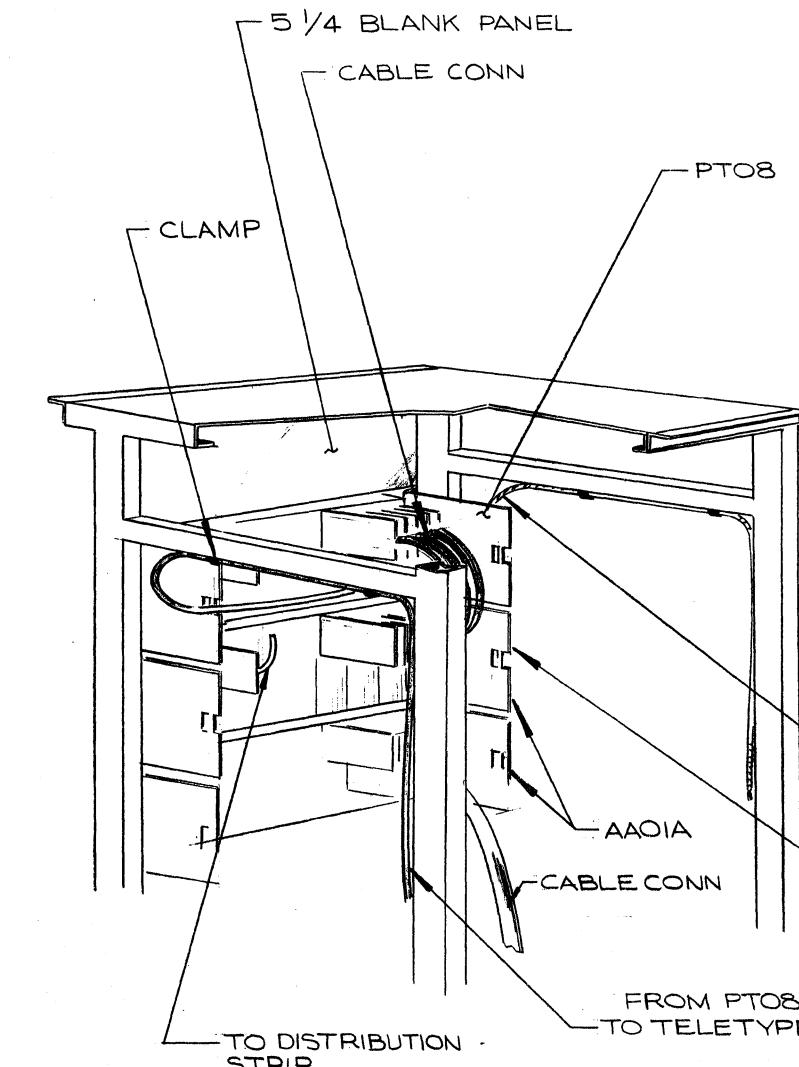
B

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VC8I, VC8IA



FRONT VIEW OF CAB

IF PT08 & AAOIA OPTIONS ARE USED SEPARATELY CABLE CONNECTORS WILL GO DIRECTLY TO 8I

PT08 TO AAOIA - W021-W021-18" LG COAX #7405541-5 (6 REQD)  
PT08 TO 8I - W031 TO W031-96" LG FLEX PRINT #7405552-12 (6 REQD)  
AAOIA TO 8I - W031 TO W031-96" LG FLEX PRINT #7405552-12 (6 REQD)

REVISIONS	CHANGE NO.	REV.

DEC FORM NO.  
DDP 105

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A

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
1	UNLESS OTHERWISE SPECIFIED	DAR	digital EQUIPMENT CORPORATION
1	UNLESS OTHERWISE SPECIFIED	81-0-24	MAYNARD, MASSACHUSETTS
1	DIMENSION IN INCHES		
1	TOLERANCES		
1	DECIMALS FRACTIONS ANGLES		
1	$\pm .005$ $\pm 1/64$ $\pm 0^{\circ}30'$		
1	FINAL SURFACE QUALITY		
1	REMOVE BURRS AND BREAK SHARP CORNERS		
1	PROJ. ENG. DATE 5/1/68		
1	PROD. DATE 5/1/68		
1	FIRST USED ON		
1	FINISH		
1	SCALE		
1	SIZE CODE		
1	NUMBER		
1	R.F.V.		

NUMBER  
R.F.V.  
SIZE CODE  
DAR 81-0-24  
DIST. G

CHK

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B

and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of items without written permission.

SIGNAL NAME	FROM PIN	TO PIN	COLOR	REMARKS
GND	A03J1	C02C2	BLK	
GND	A03K1	C03C2		
GND	A03L1	D02C2		
GND	A03M1	D03C2		
GND	B03D1	E02C2		
GND	B03E1	E03C2		
GND	B03F1	F02C2		
	B03G1	H03C2		
GND	B03H1	F03C2		
GND	B03J1	H02C2		
GND	B03K1	H03C2		
GND	B03L1	J02C2		
GND	B03M1	J03C2	BLK	
+5V	A03D2	A02A2	RED	
+5V	A03E2	A03A2		
+5V	A03F2	B02A2		
+5V	A03H2	B03A2		
+5V	A03J2	C02A2		
+5V	A03K2	C03A2		
+5V	A03L2	D02A2		
+5V	A03M2	D03A2		
+5V	A03N2	E02A2		
+5V	A03P2	E03A2		
+5V	A03R2	F02A2		
+5V	A03S2	F03A2	RED	

REVISIONS				DRN. <i>I. TOMPINKS</i>	DATE <i>1/26/68</i>	EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
REV.	DATE	CHG. NO.	APP'D.	CHGD. <i>Anthon</i>	DATE <i>1/26/68</i>				
ORIG.	#6:1	1/25/68	-	ENG. <i>George</i>	DATE <i>1/15/68</i>	digital			
A	5-6-08	9	OV	PROD. ENG. <i>George</i>	DATE <i>1/15/68</i>	TITLE			
				PROD. <i>George</i>	DATE <i>1/15/68</i>	GENERAL WIRING SHEET			
				FIRST USED ON <i>George</i>	DATE <i>1/15/68</i>	FOR POWER WIRES			
						SIZE	CODE	NUMBER	REV.
				SCALE		A	WL	8I-0-26	A
				SHEET 1 OF 2		DIST.			

SIGNAL NAME	FROM PIN	TO PIN	COLOR	REMARKS
+5V	B03D2	H02A2	RED	
+5V	B03E2	H03A2		
+5V	B03F2	J02A2		
+5V	B03H2	J03A2	RED	
-15V	B03L2	A02B2	BLUE	
-15V	B03M2	A03B2		
-15V	B03N2	B02B2		
-15V	B03P2	B03B2		
-15V	B03R2	H02B2		
-15V	B03S2	H03B2		
-15V	B03T2	J02B2		
-15V	B03U2	J03B2	BLUE	
GND	A02T1	A03U1	BLK	
GND	A03U1	A03V1		
GND	A03V1	A04T1		
GND	B02T1	B03U1		
GND	B03U1	B03V1		
GND	B03V1	B04T1	BLK	
	B03K2	C02B2	BLUE	

REVISIONS				DRN. I.T.	DATE 1/68	<b>digital EQUIPMENT CORPORATION</b> MAYNARD, MASSACHUSETTS			
REV.	DATE	CHG. NO.	APP'D.	CHK'D.	DATE				
				ENG.	DATE	<b>TITLE</b> <b>GENERAL WIRING SHEET</b> <b>FOR POWER WIRES</b>			
				PROJ. ENG.	DATE				
				PROD.	DATE				
				FIRST USED ON		SIZE	CODE	NUMBER	REV.
				SCALE		A	WL	8I-0-26	A
				SHEET	2 OF 2	DIST.			



SIGNAL NAME	FROM PIN	TO PIN	COLOR	REMARKS
	*A30D2	A34S2	RED	TWP
	A30E2	A34T2	WHITE	
	A30F2	A29S2	RED	TWP
	A30H2	A29T2	WHITE	
	A31D2	A34C2	RED	TWP
	A31E2	A34D2	WHITE	
	A31F2	A29C2	RED	TWP
	A31H2	A29D2	WHITE	
	A31L1	A34E2	RED	TWP
	A31M1	A34F2	WHITE	
	A31N1	A29E2	RED	TWP
	A31P1	A29F2	WHITE	
	A32D2	A34H2	RED	TWP
	A32E2	A34J2	WHITE	
	A32F2	A29H2	RED	TWP
	A32H2	A29J2	WHITE	
	A32I1	A34K2	RED	TWP
	A32M1	A34L2	WHITE	
	A32N1	A29K2	RED	TWP
	A32P1	A29L2	WHITE	
	A33D2	A34M2	RED	TWP
	A33E2	A34N2	WHITE	
	A33F2	A29M2	RED	TWP
	A33H2	A29N2	WHITE	
	A33L1	A34P2	RED	TWP
	A33M1	A34R2	WHITE	

REVISIONS

DRN.  
B. VIDITO

DATE  
12/2/68

digital EQUIPMENT  
CORPORATION  
MAYNARD, MASSACHUSETTS

REV. DATE CHG. NO. APP'D.

CHK'D.  
G. Vartama

DATE  
12/2/68

ENG.

DATE  
12/13/68

PROJ. ENG.

DATE  
12/23/68

PROD.

DATE  
12/23/68

FIRST USED ON

DATE  
12/23/68

SIZE

CODE

NUMBER

REV.

A WL

8I-0-31

SIGNAL NAME	FROM PIN	TO PIN	COLOR	REMARKS
	A33N1	A29P2	RED	TWP
	A33P1	A29R2	WHITE	
	B31D2	B34C2	RED	TWP
	B31E2	B34D2	WHITE	
	B31F2	B29C2	RED	TWP
	B31H2	B29D2	WHITE	
	B31L1	B34E2	RED	TWP
	B31M1	B34F2	WHITE	
	B31N1	B29E2	RED	TWP
	B31P1	B29F2	WHITE	
	B32D2	B34H2	RED	TWP
	B32E2	B34J2	WHITE	
	B32F2	B29H2	RED	TWP
	B32H2	B29J2	WHITE	
	B32L1	B34K2	RED	TWP
	B32M1	B34L2	WHITE	
	B32N1	B29K2	RED	TWP
	B32P1	B29L2	WHITE	
	B33D2	B34M2	RED	TWP
	B33E2	B34N2	WHITE	
	B33F2	B29M2	RED	TWP
	B33H2	B29N2	WHITE	
	B33L1	B34P2	RED	TWP
	B33M1	B34R2	WHITE	
	B33N1	B29P2	RED	TWP
	B33P1	B29R2	WHITE	

REVISIONS

DRN.  
B. VIDITO

DATE  
12/2/68

digital EQUIPMENT  
CORPORATION  
MAYNARD, MASSACHUSETTS

REV. DATE CHG. NO. APP'D.

CHK'D.

DATE

ENG.

DATE

PROJ. ENG.

DATE

PROD.

DATE

FIRST USED ON

SIZE

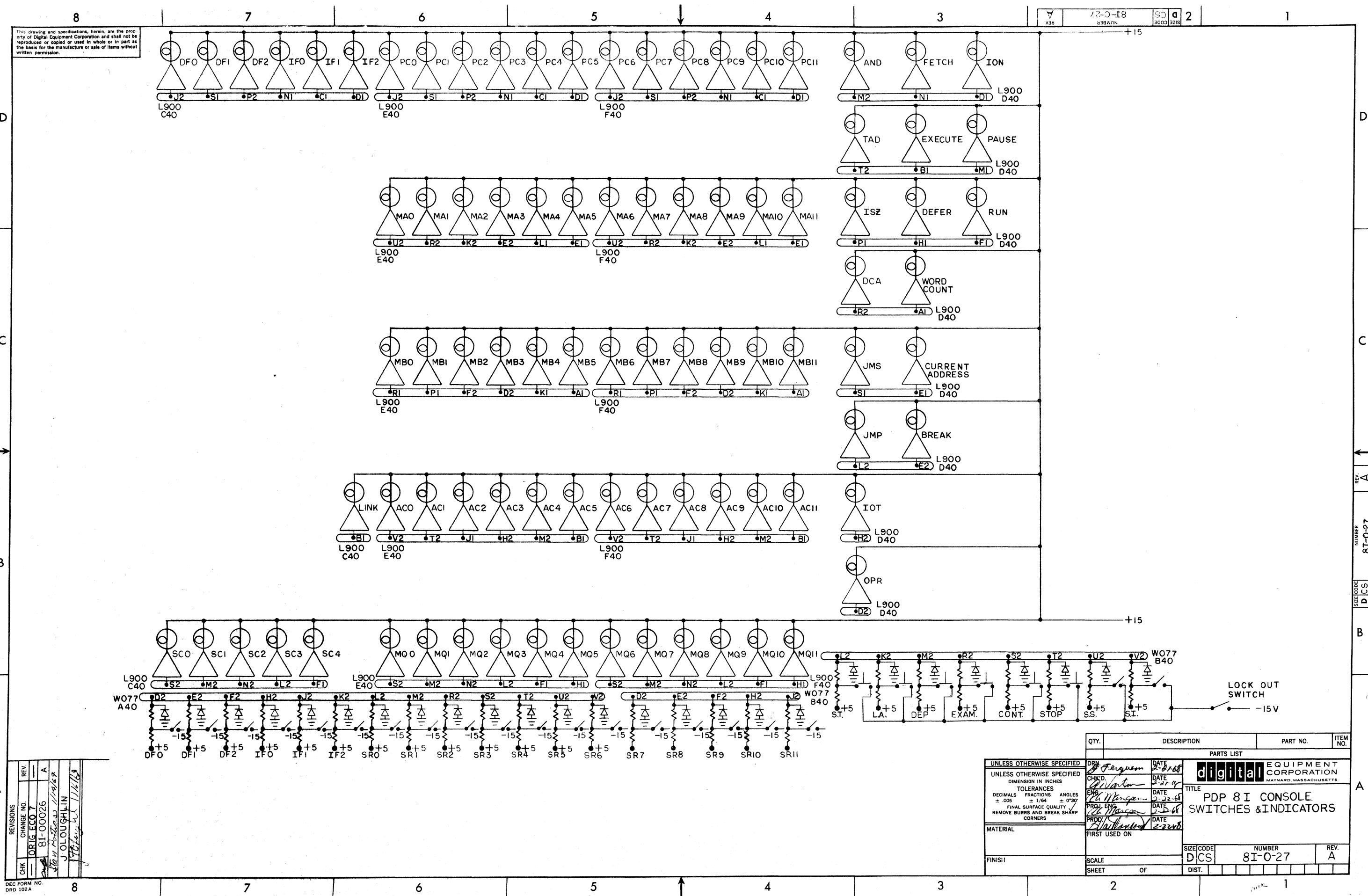
CODE

NUMBER

REV.

A WL

8I-0-31



REVISIONS			
CHK	CHANGE NO.	REV	
<u>81-00026</u>	<u>ORIG ECO 7</u>	<u>—</u>	<u>A</u>
<i>Plan in progress 1/19/69</i>			
<b>J OLOUGH LIN</b>			
<i>1/20/69</i>			



**ENGINEERING SPECIFICATION**

Digitized

CONTINUATION SHEET

TITLE PDP-8/I ACCEPTANCE PROCEDURE

Module Schematic Shipping ListPrint/Module No.

G020  
G021  
G221  
G228  
G624  
G792  
G805  
G813  
G826  
M113  
M115  
M117  
M160  
M216  
M220  
M310  
M360  
**M452**  
M506  
M617  
M650  
M700  
M706  
M707  
W900  
5404515  
5404517  
5404519

Tape & Writeup Shipping List

Instruction Test I ... Maindec-8I-D01A-D	1/22/68
... 8I-D01A-PB	1/22/68
Instruction Test II ... Maindec-8I-D02A-D	1/22/68
... 8I-D02A-PB	1/22/68
Instruction Test Part2B Maindec-08-D02B-D	1/3/68
08-D02B-PB	1/3/68
Random JMP Test ... Maindec-08-D04B-D	2/8/68
08-D04B-PB	2/8/68
Random JMP-JMS Test ... Maindec-08-D05B-D	12/28/67
08-D05B-PB	12/28/67
Random ISZ Test ... Maindec-08-D07B-D	12/26/67
08-D07B-PB	12/26/67

**ENGINEERING SPECIFICATION**

Digitized

CONTINUATION SHEET

TITLE PDP-8/I ACCEPTANCE PROCEDURE

Basic Checkerboard ... Maindec-08-D1J0

... (Low) D1J1-PB  
... (High) D1J2-PB

Memory Address Test ... Maindec-08-D1BO-D 1/12/68

... (Low) 08-D1BL-PB 1/12/68  
... (High) 08-D1BL-PB 1/12/68

Family of '8 ASR-33

Reader ... Maindec-08-D2PA-D-(L) 2/23/68  
... 08-D2PA-PB(L) 2/23/68

Test Tape Binary Count Pattern 08-D2G3-PB(L) 2/23/68

Family of '8 ASR-33

Punch Test ... Maindec-08-D2QA-D-(L) 2/21/68

Punch ... 08-D2QA-PB(L) 2/21/68

Family of '8 ASR-33

Keyboard Test ... Maindec-08-D2RA-D-(L) 2/21/68  
... 08-D2RA-PB(L) 2/21/68

Printer Test ... Maindec-08-D2SA-D-(L) 2/21/68  
... 08-D2SA-PB(L) 2/21/68

Family of '8 ASR-33 Reader

Printer, Punch Test ... Maindec-08-D2TA-D  
... 08-D2TA-PB

Memory Power ON/OFF Test

Maindec-08-D1AA-D  
... 08-D1AA-PB

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BOARD NO.	5008048-1	5008048-2	5008048-3	5008048-4	5008048-5	5008048-6	5008048-7	
MODEL NO.	E012	E013	E014	E015	E016	E017	E018	
ASSY NO.	5408037	5408038	5408039	5408040	5408041	5408042	5408043	
BOARD LOC	AB I-20	AB 2I-40	CD I-20	CD 2I-40	EF I-20	EF 2I-40	HJ I-20	
REV LTR	ECO NO.	REV LTR						
B	I3	B	I3	B	I3	B	I3	B
C	8I-00008	C	8I-00008	C	8I-00008	C	8I-00008	C
D	8I-00013	D	8I-00013	D	8I-00013	D	8I-00013	D
E	8I-00025	E	8I-00015	E	8I-00015	E	8I-00025	E
F	8I-00032	F	8I-00022	F	8I-00025	F	8I-00050	F
G	8I-00052	H	8I-00025	H	8I-00029	H	8I-00050	H
					J	K	J	
					8I-00054	8I-00085	8I-00081	

## NOTES:

- I. REFER TO PRINT "D-MD-5008048-0-0 FOR BOARD SIZE AND HOLE LOCATION.

CHK	CHANGE NO.	REV.
—	ORIG. 8I-00015	—
—	8I-00022	A
age	Stan Portas 12/18/88	
OLUGHIN	1/22/89	
8I-00025	B	
Taylor & Clegg		
JOL OUGHIN		
1/22/89		
8I-00029	C	
General Board 1/20/89		
ARSENNAULT 1/23/89		
8I-00032	D	
P. Gullion 3/1/89		
ARSENNAULT 3/1/89		
8I-00034	E	
T. Gullion 5/15/89		
ARSENNAULT		
8I-00035	F	
T. Gullion 5/15/89		
ARSENNAULT		
8I-00036	G	
M. ARSENNAULT 5/15/89		
8I-00038	H	
T. Gullion 11-3-89		
ARSENNAULT		
8I-00040	I	
M. ARSENNAULT 11-3-89		
8I-00041	J	
M. ARSENNAULT 11-3-89		
8I-00042	K	
M. ARSENNAULT 11-3-89		

FIRST USED ON/OPTION/MODEL	QTY.	DESCRIPTION		ITEM NO.
		PARTS LIST		
UNLESS OTHERWISE SPECIFIED		DRW Stan Portas	DATE 10/1/88	
UNLESS OTHERWISE SPECIFIED		CHK'D. Gullion	DATE 10/5/88	
DIMENSION IN INCHES		ENG. Gullion	DATE 10/5/88	
TOLERANCES		PROJ. ENG. Gullion	DATE 10/5/88	
DECIMALS FRACTIONAL ANGLES ± .005 1/64 0°30'		PROD. Gullion	DATE 10/5/88	
FINAL SURFACE QUALITY / REMOVE BURRS AND BREAK SHARP CORNERS		NEXT HIGHER ASSY A-ML-8I-0	DATE 10/5/88	
MATERIAL	+	FINISH	SCALE 1/1	
	+	SHEET 1 OF 1	SIZE CODE D BL 7006021-0-0	REV. J

## NOTES:

1. CONNECT P1 & P2 TO PANEL LOCK SWITCH. USE \*18 AWG RED WIRE.

D

D

C

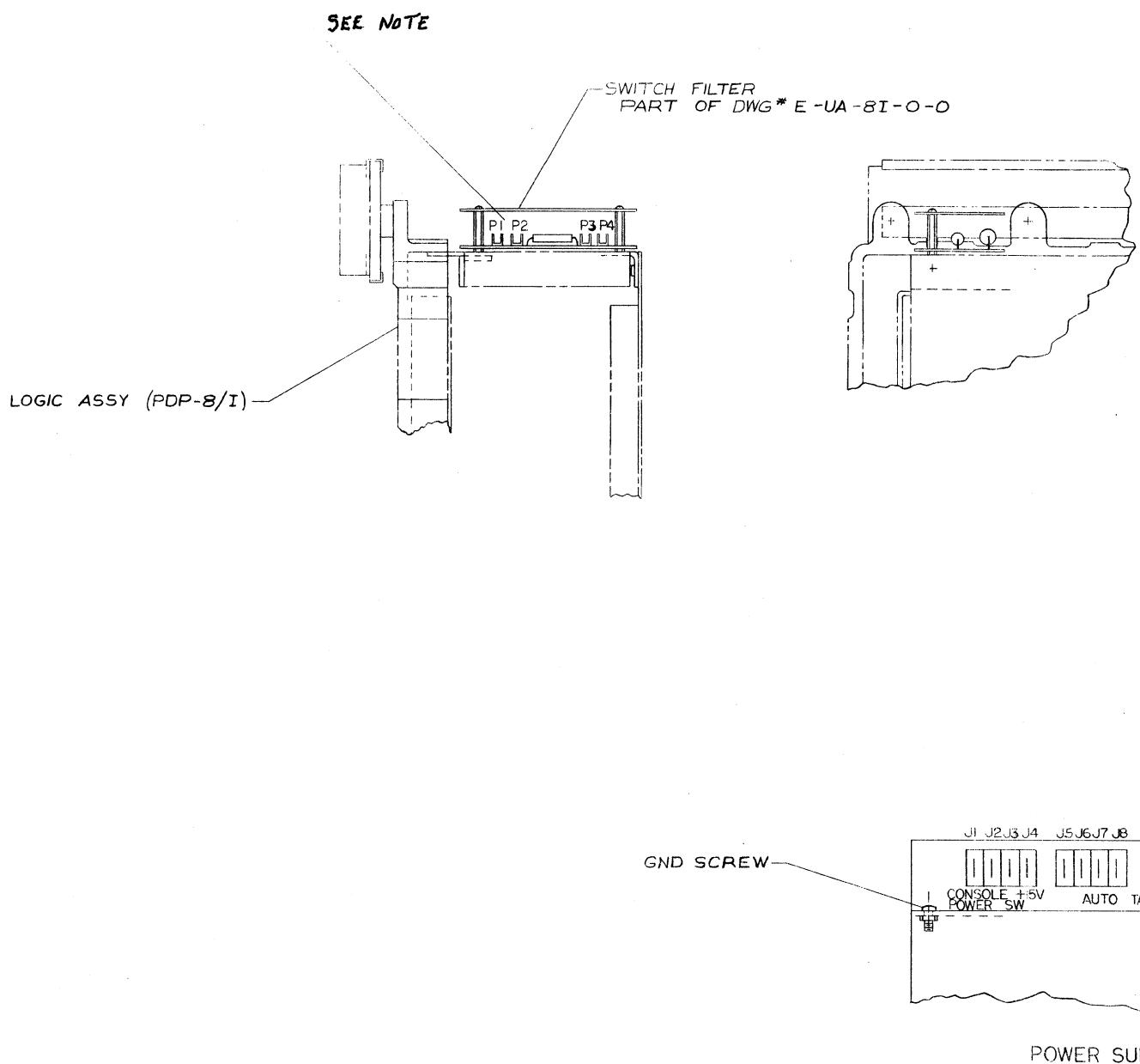
C

B

B

A

A



REVISIONS		CHANGE NO.	REV.
CHK		ORIG 8I-00027	1
ack		8I-CCLC1	A
			2/2/69

DEC FORM NO. DRG 100  
8

2 SIZE CODE D I C 8 I - 0 - 32

REV. A

SIZE CODE NUMBER D I C 8 I - 0 - 32 REV. A

B

A

FIRST USED ON	OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
8/I					
UNLESS OTHERWISE SPECIFIED	DRN	DATE			
UNLESS OTHERWISE SPECIFIED	CHK'D.	DATE			
DIMENSION IN INCHES					
TOLERANCES					
DECIMALS FRACTIONS ANGLES					
$\pm .005$ $\pm 1/64$ $\pm 0^\circ 30'$					
FINAL SURFACE QUALITY					
REMOVE BURRS AND BREAK SHARP CORNERS					
MATERIAL					
FINISH					

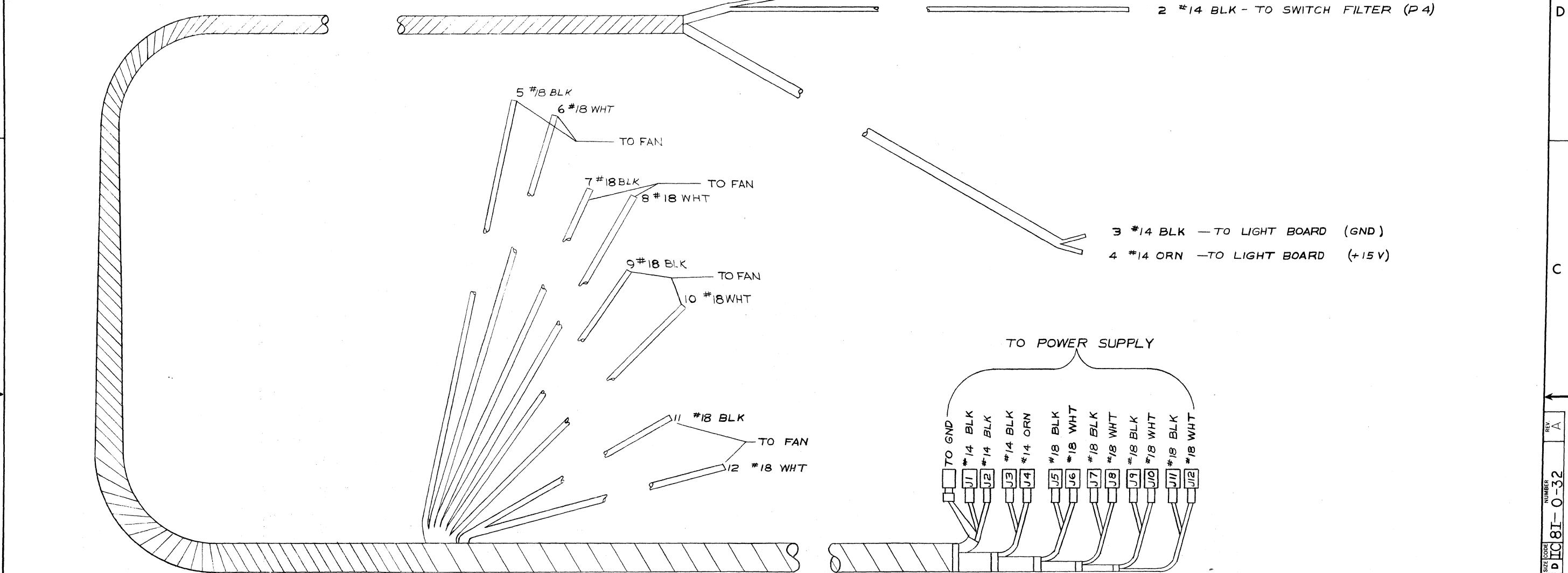
EQUIPMENT CORPORATION  
MAYNARD, MASSACHUSETTS

digital

AC HARNESS CONNECTIONS TO PDP-8/I

SHEET 1 OF 2 DIST. 1

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FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN. P.F.M.C. Gately	DATE 2/14/69	EQUIPMENT CORPORATION	
UNLESS OTHERWISE SPECIFIED	CHK'D. John S. St. John	DATE 2/17/69	digital	MAYNARD MASSACHUSETTS
DIMENSION IN INCHES				
TOLERANCES				
DECIMALS    FRACTIONS    ANGLES				
$\pm .005$ $\pm 1/64$ $\pm 0^{\circ}30'$				
FINAL SURFACE QUALITY				
REMOVE BURRS AND BREAK SHARP CORNERS				
MATERIAL				
FINISH				
SHEET	2 OF 2	SCALE	DIST.	

REVISIONS	CHANGE NO.	REV.
CHK		

FORM NO.  
100

8

7

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2

1

SIZE CODE NUMBER REV.  
DIC 8I-0-32 A

D

C

SIZE CODE NUMBER REV.  
DIC 8I-0-32 A

B

A

**DIGITAL EQUIPMENT CORPORATION**  
**MAYNARD, MASSACHUSETTS**

**ACCESSORY LIST**

MADE BY	CHECKED A. DeMol	SECTION
DATE	Dee Moran	DATE 3-12-70
ENG	PROD B. Williamson	ISSUED SEC
DATE	M. Moran	DATE 3-6-70

**LEGEND**

D	DOCUMENT
DN	DOCUMENT CHANGE NOTICE
PA	PAPER TAPE ASCII
PB	PAPER TAPE BINARY
PM	PAPER TAPE READ-IN-MODE

DEC FORM NO  
DRA 121