

This drawing and specifications herein are the property of Digital Equipment Corporation and are not to be reproduced in whole or in part without the written permission of the company.

(4,8)
FETCH OVLAP

(10)
FETCH A

(4,8,9)
FETCH B

(5,6,7,8,9,10,12)
FETCH C

FET00
FETCH NEXT INSTR
P1:BA+R[PC];DAT1;CLKOFF

FET01
FETCH NEXT INSTR
P1:BA+R[PC];DAT1;CLKOFF

FET02
FETCH NEXT INSTR
P1:BA+R[PC];DAT1;CLKOFF;SPS=B

(1)
KT RECYCLE

FET03
STORE INSTR
P1:IR,R[IR],B←UNIBUS DATA

U WORD MNEMONIC
GENERAL DESCRIPTION
ACTIONS EFFECTED BY U WORD.
CYCLE LENGTH NOTED BY P1 P2 OR P3.
U WORD BRANCH TEST (MNEMONIC AND
UBF CODE) FURTHER DEFINITION
UNDER NOTES.

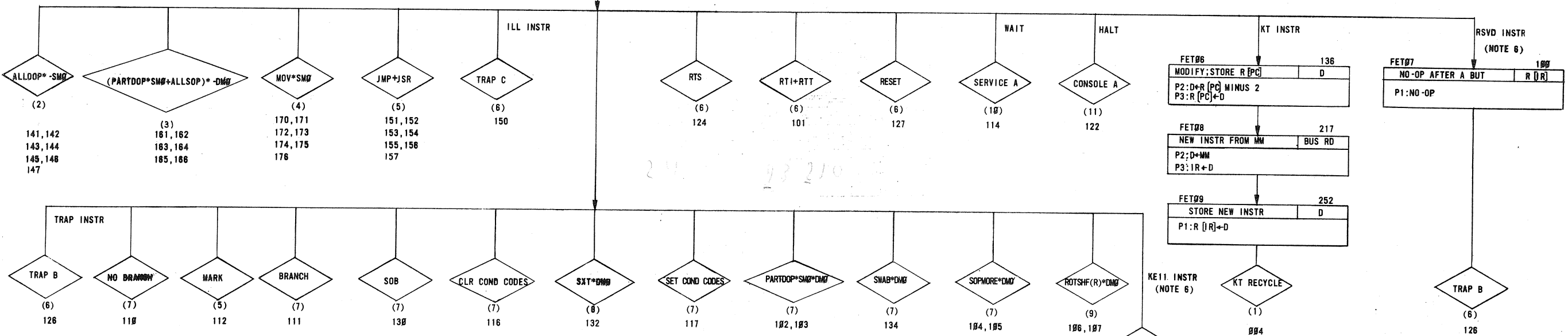
FET04
MODIFY R[PC];OVLAP
P2:D,BA+R[PC] PLUS 2;
DAT1 IF OVLAP FETCH (NOTE 3)
BUT (INSTR 1) BUT 37

U WORD ADDRESS
DATA DISPLAY
OF CONSOLE
BASE U ADDRESS,
BUS U(00:00),
FOR BRANCH.

FET05
RESTORE MODIFIED R PC
P1:R[PC]←D

NOTES:

1. FLOW BOX NOMENCLATURE IS STANDARD AND ILLUSTRATED FOR U WORD FET 04 AND FET 05.
2. FLOW INFORMATION HAS ◊'S MARKING EXIT POINTS AND ○'S MARKING ENTRY POINTS. FLOW PAGE NUMBERS ARE IN PARENTHESIS WITH UWORD ADDRESSES BELOW. SPECIFIC U WORD ADDRESSES CAN BE SEARCHED IN THE ROW LISTING OF K2.
3. UNDER CERTAIN CONDITIONS PC PLUS 2 IS THE NEXT BUS ADDR. IF SO, A DAT1 OCCURS. THE CONDITIONS ARE: DOP*SMB*DMB, (ALLSOP+XOR)*DMB, IF NO BUS REQUESTS, POWER DOWN OR SINGLE INSTR OR DEST REG IS 7 (PC); DOP*SM(6+7), DOP*SM*DM(6+7), (ALLSOP+XOR+JMP+JSR)*DM(6+7) ON INDEXED OPERATIONS.
4. INSTR DEFINITIONS(WHERE DOP IS DOUBLE OPERAND AND SOP IS SINGLE OPERAND):
ALLOP=DOP+XOR(SM ALWAYS B) PARTDOP=ALLOP*-MOV
ALLSOP=SOP+SWAB+SXT+ROTSHF SOPMORE=SOP+ROTSHF(L)
5. BUT DEFINITION: BUT (INSTR1) IS THE FIRST WIDE BRANCH FOR ALL INSTRUCTIONS. IT IS A FUNCTION OF THE IR ENCODED AS BUBC (BUT 37) ON K3-5.
6. IF KE11-E, F OPTIONS INSTALLED ALL RSVD INSTR GO TO THE EXPANSION FLOW.



EXPANSION
(KE11-E, F FLOWS)
500
NUL/DIV

ASH
ASHC

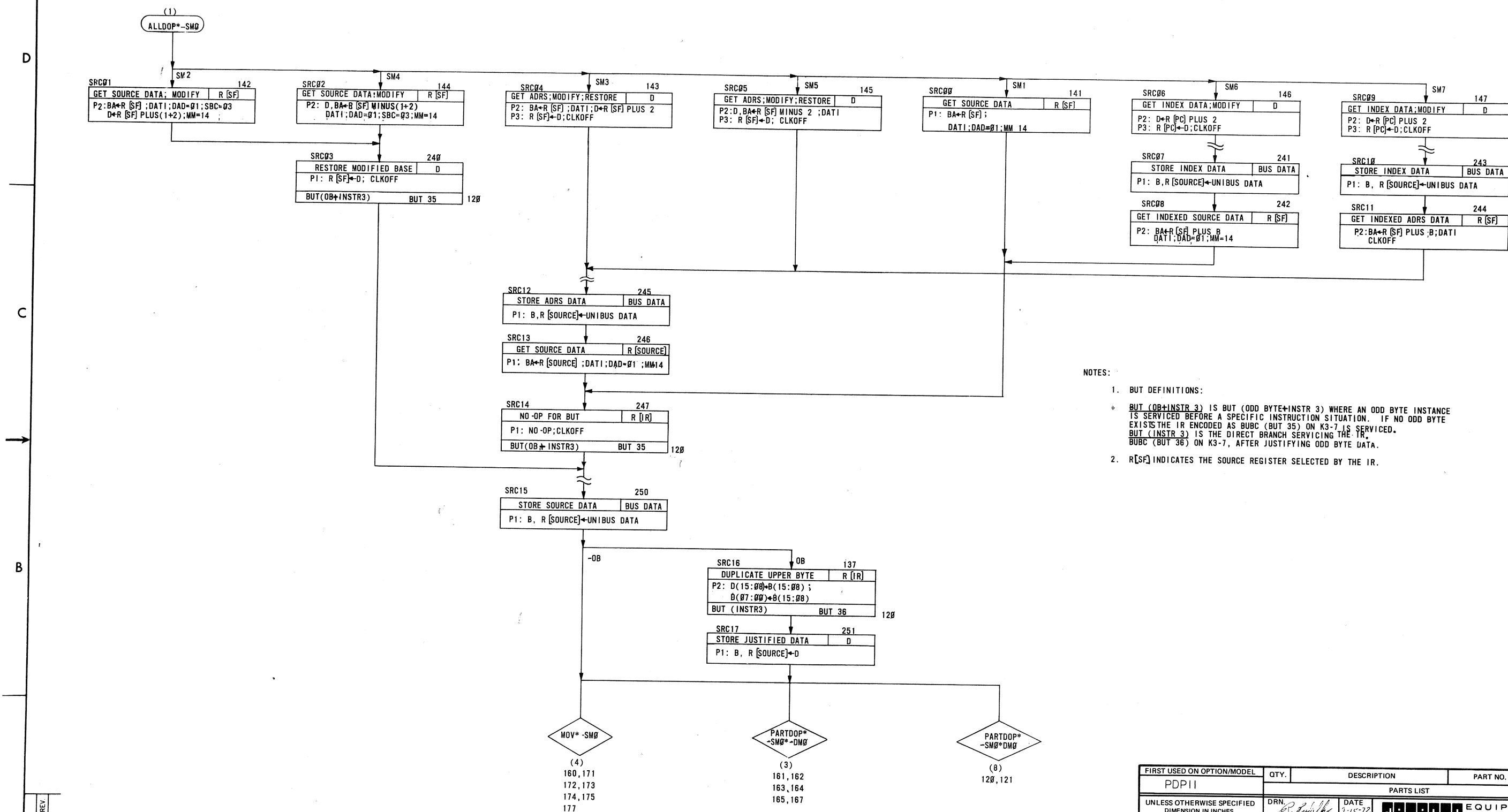
REV	CHG	NO	DATE	BY
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP11				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN	DATE	9-15-72	
DECIMALS	CHK'D	DATE	9/25/72	
ANGLES	ENG	DATE	9/25/72	
XXX = .005	PROJ ENG	DATE	9/25/72	
XX = .02	PROD	DATE	9/25/72	
X = .1				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL				
FINISH				
SCALE				
SHEET				

digital EQUIPMENT CORPORATION
MAYNARD MASSACHUSETTS
TITLE
FLOW DIAGRAM
(FETCH)

SIZE CODE
B-D K011-A-FD
NUMBER
REV
B

This drawing and specifications, herein, are the property of Digital Equipment Corporation 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.

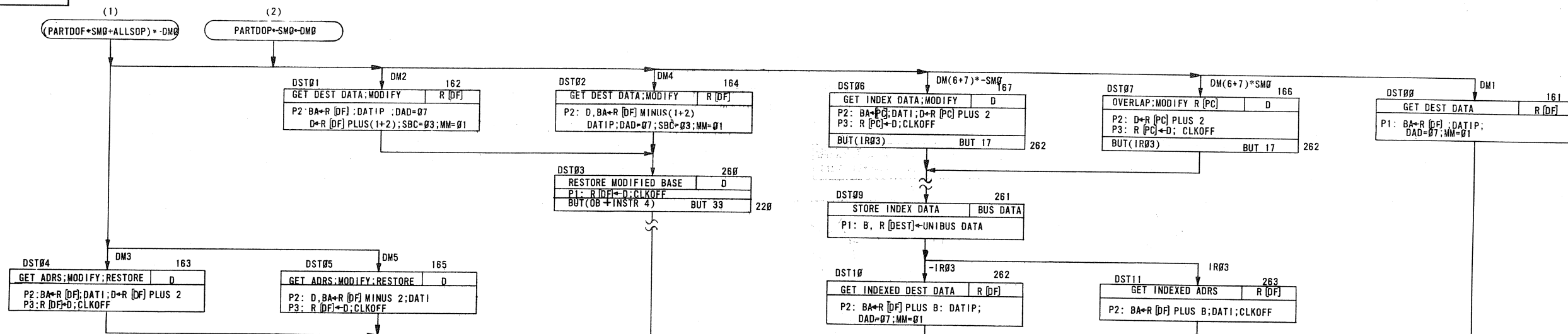


NOTES:

- BUT DEFINITIONS:
 - BUT (OB+INSTR 3) IS BUT (ODD BYTE+INSTR 3) WHERE AN ODD BYTE INSTANCE IS SERVICED BEFORE A SPECIFIC INSTRUCTION SITUATION. IF NO ODD BYTE EXISTS THE IR ENCODED AS BUBC (BUT 35) ON K3-7 IS SERVICED. BUT (INSTR 3) IS THE DIRECT BRANCH SERVICING THE IR. BUBC (BUT 36) ON K3-7, AFTER JUSTIFYING ODD BYTE DATA.
- R[Sf] INDICATES THE SOURCE REGISTER SELECTED BY THE IR.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDPII				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES				
DECIMALS	ANGLES	DATE	TITLE	
XXX = .005	± 0° 30'	7-15-72	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
.XX = .02		7/23/72	FLOW DIAGRAM (SOURCE)	
.X = .1		7/23/72	(2)	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL	NEXT HIGHER ASSY.	DATE	SIZE CODE	NUMBER
	B-DD-PDPII-A	7-21-72	D FD	KDII-A-FD
FINISH	SCALE	SHEET	DIST.	REV.
	2 OF 12			B

This drawing and specifications, herein, are the property of Digital Equipment Corporation 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.



NOTES:

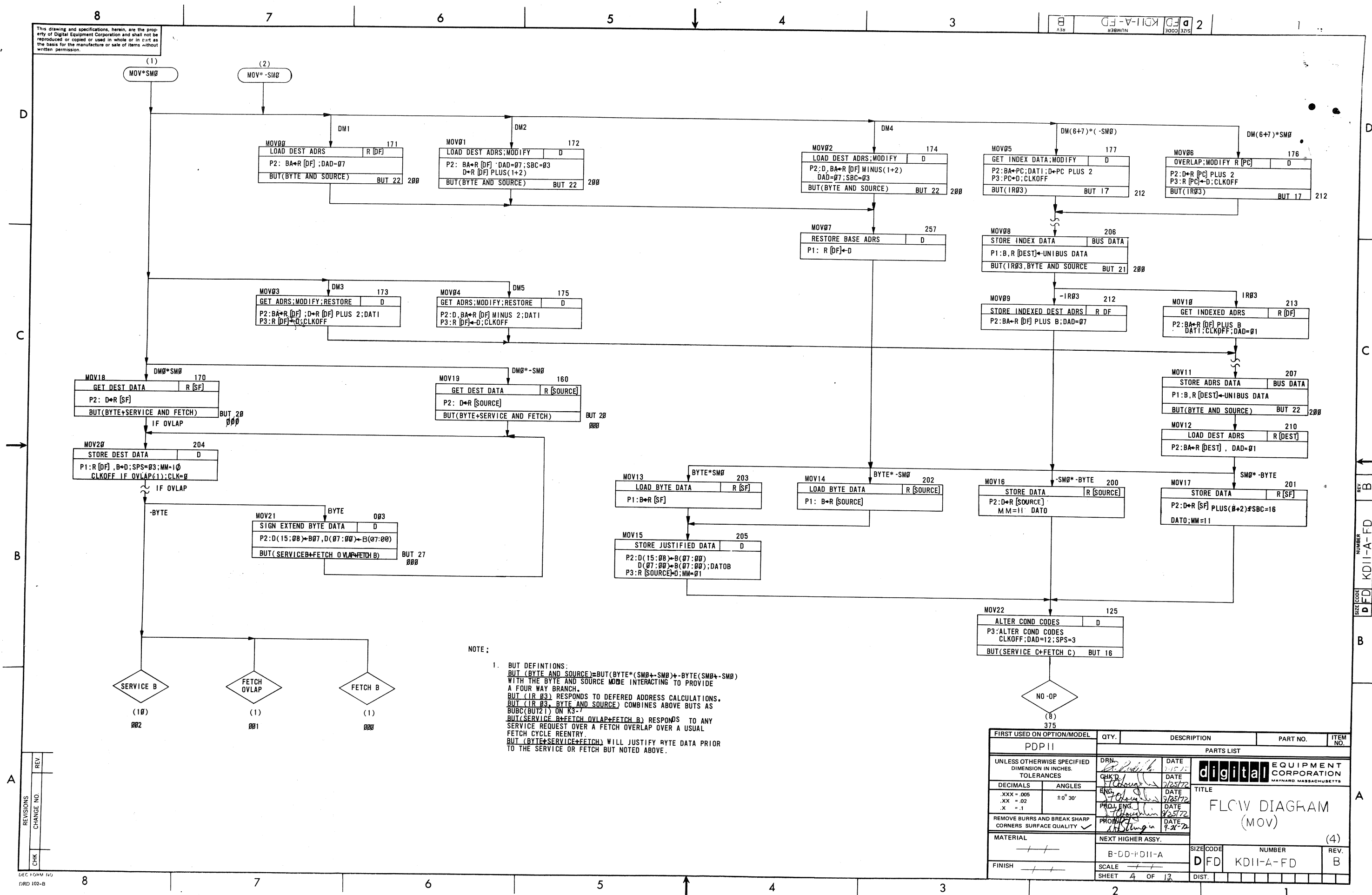
- BUT DEFINITIONS:
BUT (OB+INSTR 4) IS BUT (ODD BYTE+INSTR 4) WHERE AN ODD BYTE INSTANCE IS SERVICED BEFORE A SPECIFIC INSTRUCTION SITUATION. IF NO ODD BYTE EXISTS THE IR ENCODED AS BUBC (BUT 33) ON K3-7 IS SERVICED. BUT (IR 03) RESPONDS TO DEFERRED ADDRESS CALCULATIONS. BUT (INSTR 4) IS THE DIRECT BRANCH SERVICING THE IR ENCODED AS BUBC (BUT 34) ON K3-7.
- R[DF] INDICATES THE DEST REGISTER SELECTED BY THE IR.

DST15 267
STORE DEST DATA BUS DATA
P1: B, R [DEST] + UNIBUS DATA

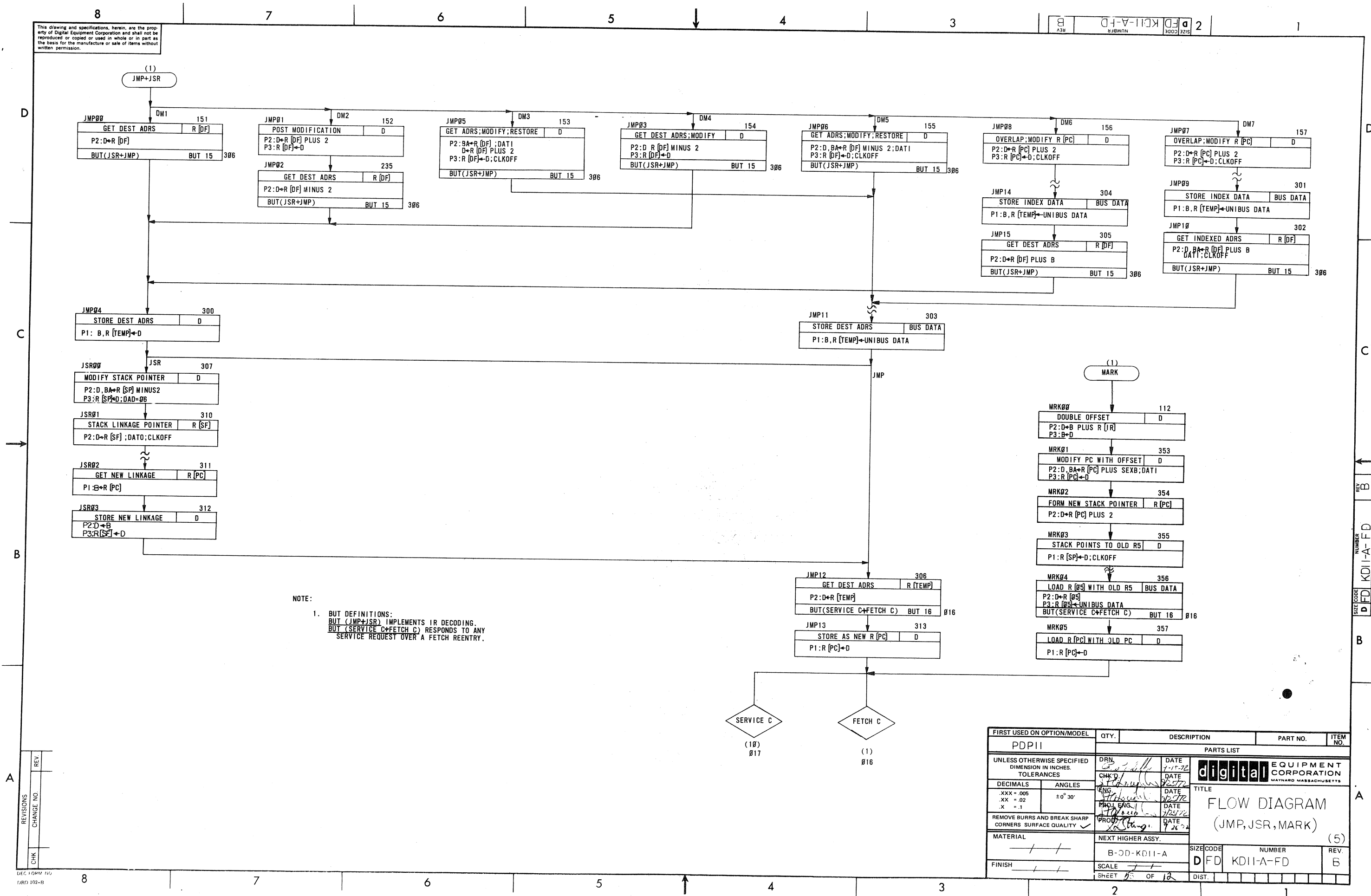
OB NIET
ODD
BYTE

PARTDOF * - DMQ	(SOPMORE+ SWAB) * - DMQ	SXT * - DMQ	ROTSHF(R) * - DMQ
(8)	(9)	(8)	(9)
224, 225	220, 221	234	232, 233
226, 227	222, 223		
230, 231	236		

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
POPII				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES				
DECIMALS	ANGLES	TITLE		
.XXX = .005	± 0° 30'	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS		
.XX = .02		FLOW DIAGRAM (DFST)		
.X = .1		(3)		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		REV		
MATERIAL	NEXT HIGHER ASSY.	SIZE CODE		
FINISH	KDII-A	NUMBER		
	SCALE	D FD KDII-A-FD		
	SHEET 3 OF 12	DIST.		



This drawing and specifications, herein, are the property of Digital Equipment Corporation 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.



FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDPII					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DRN	DATE	PARTS LIST	
DECIMALS		CHK'D	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
ANGLES		ENG	DATE		
XXX ± .005		PROD. ENG.	DATE		
XX ± .02		PROD.	DATE		
X ± .1				TITLE	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				FLOW DIAGRAM (JMP,JSR,MARK)	
MATERIAL		NEXT HIGHER ASSY.		(5)	
FINISH		SCALE		REV. B	
		SHEET 12 OF 12		SIZE CODE NUMBER	
				D FDI KDII-A-FD	
				DIST.	

This drawing and specifications, herein, are the property of Digital Equipment Corporation 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.

8

7

6

5

4

3

2

1

(JAMUPP)(RED ZONE +DUBBER)

(10)

(1)

(10)

(JAMUPP)

TRP00
JAM R [SP] TO 4
P2:D+(SBC=17)
P3:R[SP]+D

TRP01
FORM STORE TRAP VECTOR
P2:D+(SBC=00*STPM)
P3:R[VECT]+D

TRP02
GET NEW STATUS
P2:BA+R[VECT] PLUS 2;
DAT1:CLKOFF

TRP03
FORM STORE TRAP VECTOR
P2:D+(SBC=00*STPM)
P3:R[VECT]+D
BUT(MM FAULT) BUT 11

TRP04
GET MM VECTOR(250)
P2:D+(SBC=15)

TRP05
STORE MM VECTOR
P1:R[VECT]+D

TRP06
FORM STORE TRAP VECTOR
P2:D+(SBC=00*STPM)
P3:R[VECT]+D

TRP07
FORM STORE TRAP VECTOR
P2:D+(SBC=00*STPM)
P3:R[VECT]+D

TRP08
GET NEW STATUS
P2:BA+R[VECT] PLUS 2
DAT1:CLKOFF;MM=04

TRP09
STORE NEW STATUS
P1:R[TEMP]+UNIBUS DATA;
MM=06

TRP10
MODIFY STACK POINTER
P2:D,BA+R[SP] MINUS 2;DAD=6
P3:R[SP]+D;MM=04

TRP11
STORE OLD STATUS ON STACK
P2:D+PS;DAT0:CLKOFF;MM=04

TRP12
DESKEW WORD FOR DAT0
P1:NO-OP;MM=04

TRP13
MODIFY STACK POINTER
P2:D,BA+R[SP] MINUS 2;DAD=6
P3:R[SP]+D;MM=04

TRP14
STORE OLD R[PC] ON STACK
P2:D+R[PC];DAT0:CLKOFF;
MM=04

TRP15
ENABLE NEW STATUS
P1:PS+R[TEMP];SPS=0;MM=06

TRP16
LOAD NEW STATUS
P1:PS+R[TEMP];SPS=7;MM=02
BUT(REG EXAM);NOTE 1 BUT 04

TRP20
GET NEW R[PC]
P1:BA+R[VECT];DAT1:
CLKOFF;MM=04
BUT(CBR1);NOTE 1 BUT 01

TRP21
STORE NEW R[PC]
P1:R[PC]+UNIBUS DATA
BUT(REG DEP);NOTE 1 BUT 03

TRP17
FORM STORE PWRUP VECTOR
P2:D+(SBC=11*JUMPERS)
P3:R[VECT]+D

TRP18
GET NEW STATUS
P2:BA+R[VECT] PLUS 2;
DAT1:CLKOFF

TRP19
STORE NEW STATUS
P1:PS+UNIBUS DATA;SPS=7

(1)
RESET

RST00
GET RESET DATA DISPLAY
P1:D+R[00]

RST01
RESET DELAY AND INIT
P3:CLKOFF;20 MILLISEC INIT;
70 MILLISEC DELAY
BUT(CBR2);INIT;DELAY BUT 02 042

RST02
NO-OP FOR BUT
P1:NO-OP

RST03
NO-OP FOR CONSOLE ENTRY
P1:NO-OP

RST04
NO-OP FOR FETCH ENTRY
P1:NO-OP

(1)
RTS

RTS00
GET NEW R[PC]
P2:D+R[DF]

RTS01
STORE NEW R[PC]
P1:R[PC]+D

RTS02
GET TOP OF STACK;MODIFY
P2:BA+R[SP];D+R[SP] PLUS 2;DAT1
P3:R[SP]+D;CLKOFF
BUT(SERVICE C+FETCH C) BUT 16 016

RTS03
STORE TOP OF STACK
P1:R[DF]+UNIBUS DATA

(1)
RTI+RTT

RTI00
GET NEW R[PC];MODIFY
P2:BA+R[SP];D+R[SP] PLUS 2;DAT1
P3:R[SP]+D;CLKOFF

RTI01
STORE NEW R[PC]
P1:R[PC]+UNIBUS DATA

RTI02
GET NEW STATUS;MODIFY
P2:BA+R[SP];D+R[SP] PLUS 2;DAT1
P3:R[SP]+D;CLKOFF

RTI03
STORE NEW STATUS
P1:PS+UNIBUS DATA;SPS=7

CONSOLE B

FETCH C

SERVICE C

SERVICE D
CONSOLE A

NOTES:

1. THESE WORKING BUT'S ARE USED TO SEQUENTIALLY CLEAR VARIOUS TRAP REQUEST FLAGS. EXCEPT FOR BUT (CBR1) THEY DO NOT BRANCH THE FLOW.
2. BUT DEFINITIONS:
BUT (MM FAULT) IS ACTIVE FOR MEMORY MANAGEMENT FAULTS IN THE K111-D OPTION.
BUT (CBR2) SENSES THE HALT SWITCH FOR A CONSOLE BUS REQUEST. A RETURN TO FETCH OCCURS IF THE HALT SWITCH IS NOT ACTIVE. THIS WORKING BUT ACTIVATES THE INIT AND RESTART DELAY.
BUT (SERVICE C+FETCH C) RESPONDS TO ANY SERVICE REQUEST OVER A FETCH REENTRY.
BUT (CBR1) PROVIDES FOR DIRECT CONSOLE LOOP ENTRY IF THE HALT SWITCH IS ACTIVE. THIS DIFFERS FROM THE USUAL ENTRY INTO SERVICE FROM THE TRAP SEQUENCE. SEE NOTE 1 ALSO.
BUT (REG EXAM) } SEE NOTE 1.
BUT (REG DEP) }

Old PSW
→ Loc 2.
SPECIAL CASE
RED ZONE
Old PC
→ Loc 8

new PC

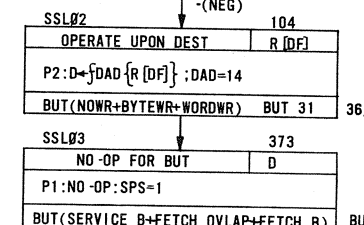
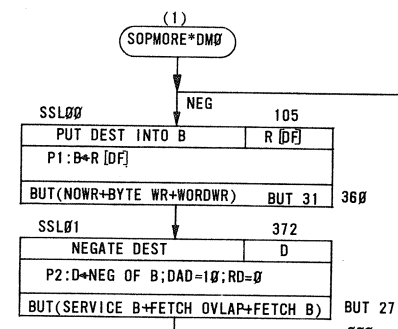
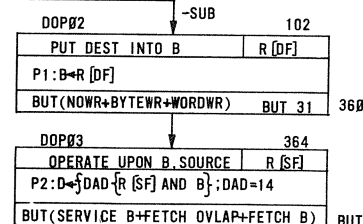
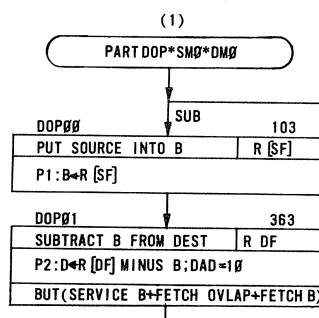
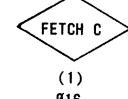
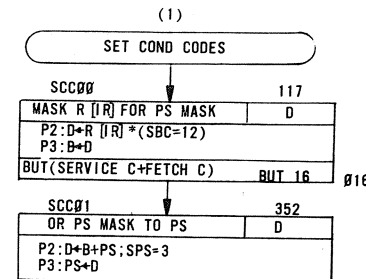
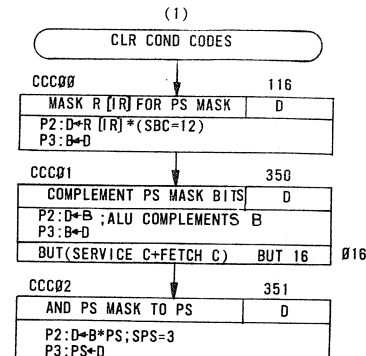
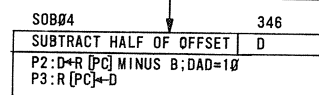
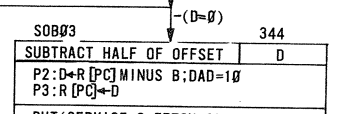
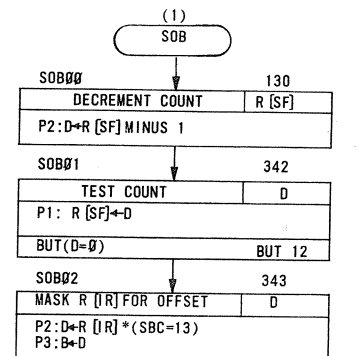
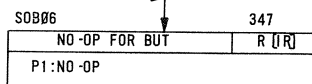
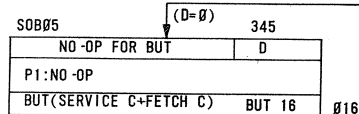
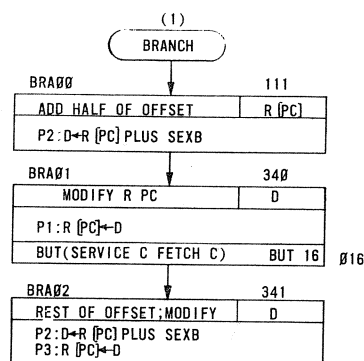
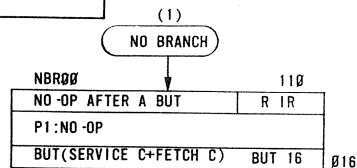
BRUNING 40-522-15840

REVISIONS
CHANGE NO
CHK

DATE FORM NO
CPI 102-B

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDPII					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN	DATE	PARTS LIST	
DECIMALS	ANGLES	CHKD	DATE	digital EQUIPMENT CORPORATION	
XXX = .005	± 0° 30'	ENG	DATE	MAYNARD MASSACHUSETTS	
XX = .02		PROJ ENG	DATE	TITLE	
X = .1		PROD	DATE	FLOW DIAGRAM	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				(TRAPS, PWRUP)	
MATERIAL		NEXT HIGHER ASSY.		(RESET, RTI, RTS, RTT)	
FINISH		B-DD-KDII-A	SCALE	SIZE CODE	NUMBER
		6 OF 12		D FD	KDII-A-FD
		SHEET		DIST.	REV. B

This drawing and specifications, herein, are the property of Digital Equipment Corporation 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.

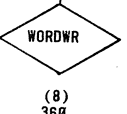
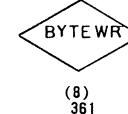
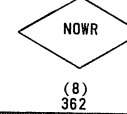


NOWR BYTE WR WORDWR

NOWR BYTEWR WORDWR

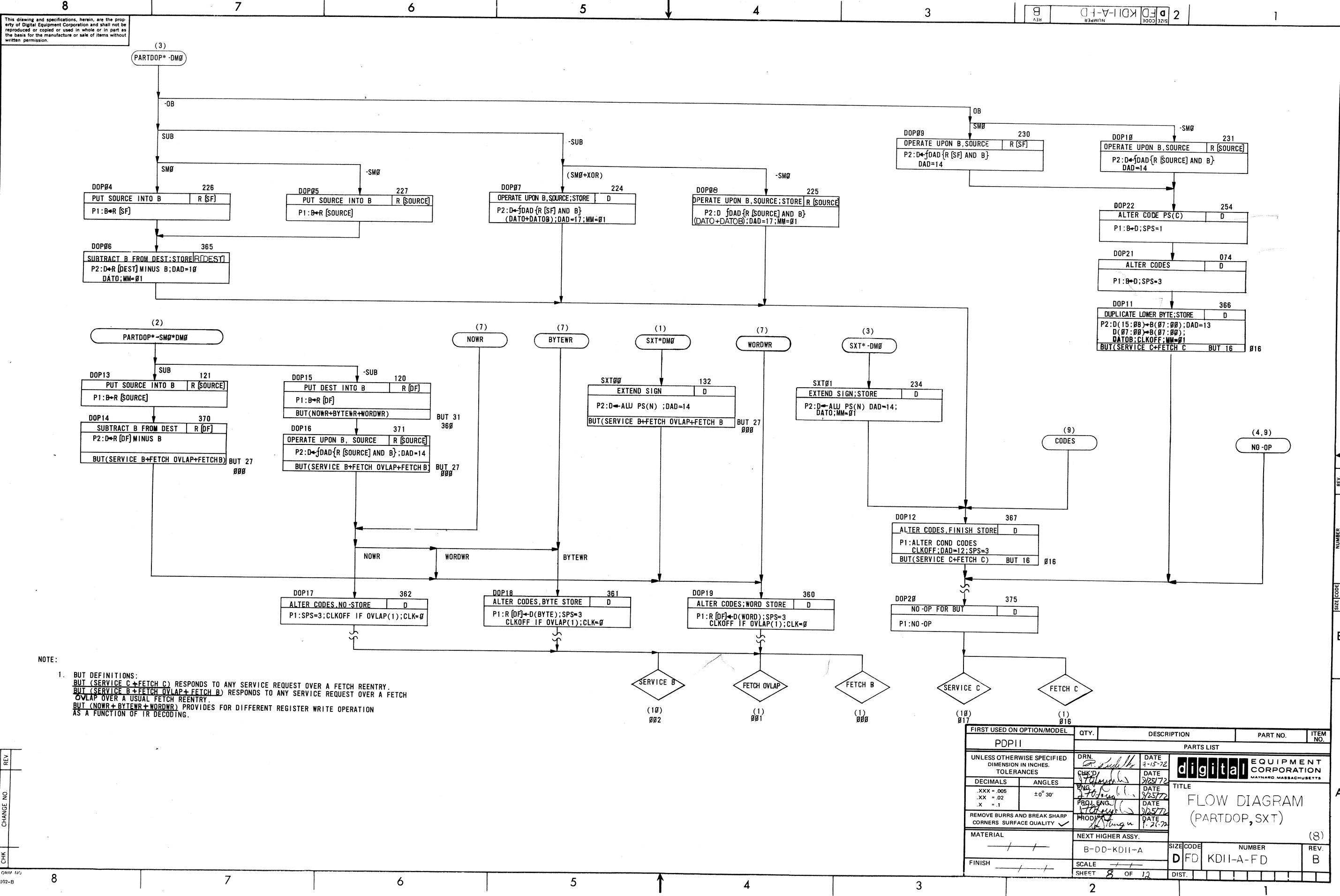
NOWR BYTEWR WORDWR

geen transfer
van proc. naar
core.

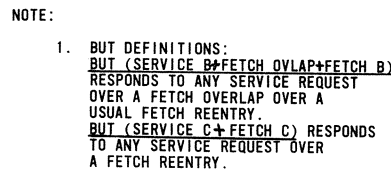


NOTE:
1. BUT DEFINITIONS:
BUT (SERVICE C+FETCH C) RESPONDS TO ANY SERVICE REQUEST OVER A FETCH REENTRY.
BUT (D=0) SENSES A ZERO CONTENT OF THE D REGISTER.
BUT (NOWR+BYTEWR+WORDWR) PROVIDES FOR DIFFERENT REGISTER WRITE OPERATION AS A FUNCTION OF IR DECODING.
BUT (SERVICE B+FETCH OVLAP+FETCH B) RESPONDS TO ANY SERVICE REQUEST OVER A FETCH OVLAP OVER A USUAL FETCH REENTRY.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDPII				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN CHK'D ENG PROB	DATE 7-15-72 1/25/72 1/25/72 1/25/72	PARTS LIST	
DECIMALS ANGLES	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
.XXX = .005 .XX = .02 .X = .1	TITLE FLOW DIAGRAM (BR, SOE, CODES, PARTDOP SWAB SCPMORE) DMO (7)			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	MATERIAL B-DD-KD11-A			
FINISH	SCALE SHEET 7 OF 12			
	SIZE CODE NUMBER REV. D F D K D11-A-FD B			

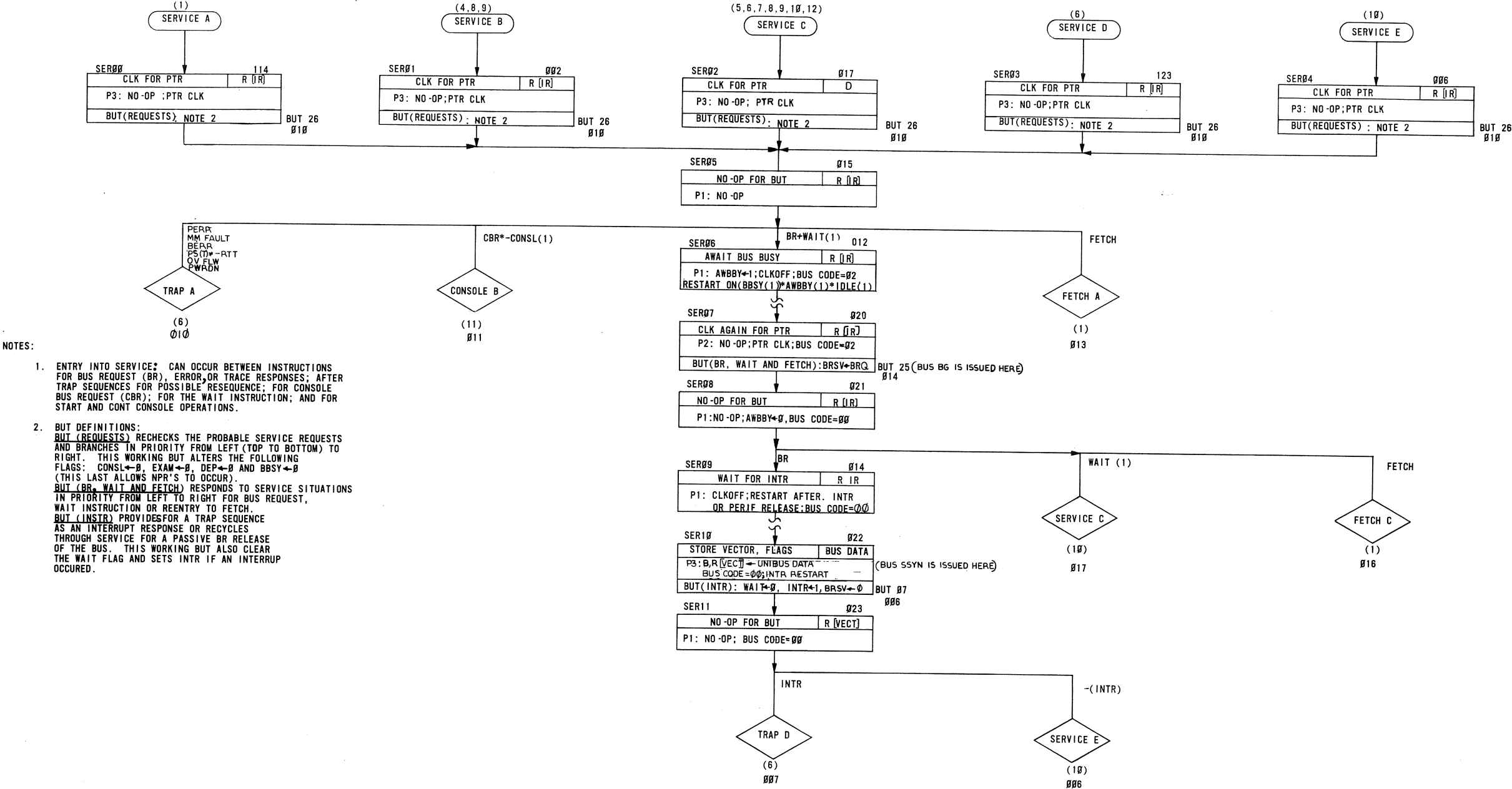


FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDII					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DRN.	DATE	PARTS LIST	
DECIMALS	ANGLES	CHK'D	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
.XXX = .005	±0° 30'	ENG.	DATE	TITLE	
.XX = .02		PROJ. ENG.	DATE	FLOW DIAGRAM (PARTDOP, SXT)	
.X = .1		PROD. ENG.	DATE		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		PROD. ENG.	DATE		
MATERIAL		NEXT HIGHER ASSY.		(8)	
FINISH		B-DD-KDII-A		SIZE CODE	
		SCALE		NUMBER	
		SHEET 8 OF 12		D FD KDII-A-FD	
		DIST.		REV. B	



FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDPII			PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DRN 9-15-72	DATE 9-15-72	 DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DECIMALS ANGLES		CHK'D 9-25-72	DATE 9-25-72		
.XXX = .005		ENG 9-25-72	DATE 9-25-72		
.XX = .02		PROJ ENGR 9-25-72	DATE 9-25-72		
.X = .1		PROD'N 9-26-72	DATE 9-26-72		
REMOVE BURRS AND BREAK SHARP CORNERS. SURFACE QUALITY ✓		TITLE FLOW DIAGRAM (SCFNORE+SWAB)* - DMO (ROTSHE (R))			(9)
MATERIAL		NEXT HIGHER ASSY.		SIZE CODE	NUMBER
	/ /	B-DD-KDII-A		D F D	KDII-A-FD
FINISH	/ /	SCALE			REV.
	/ /	SHEET 9 OF 12		DIST.	B

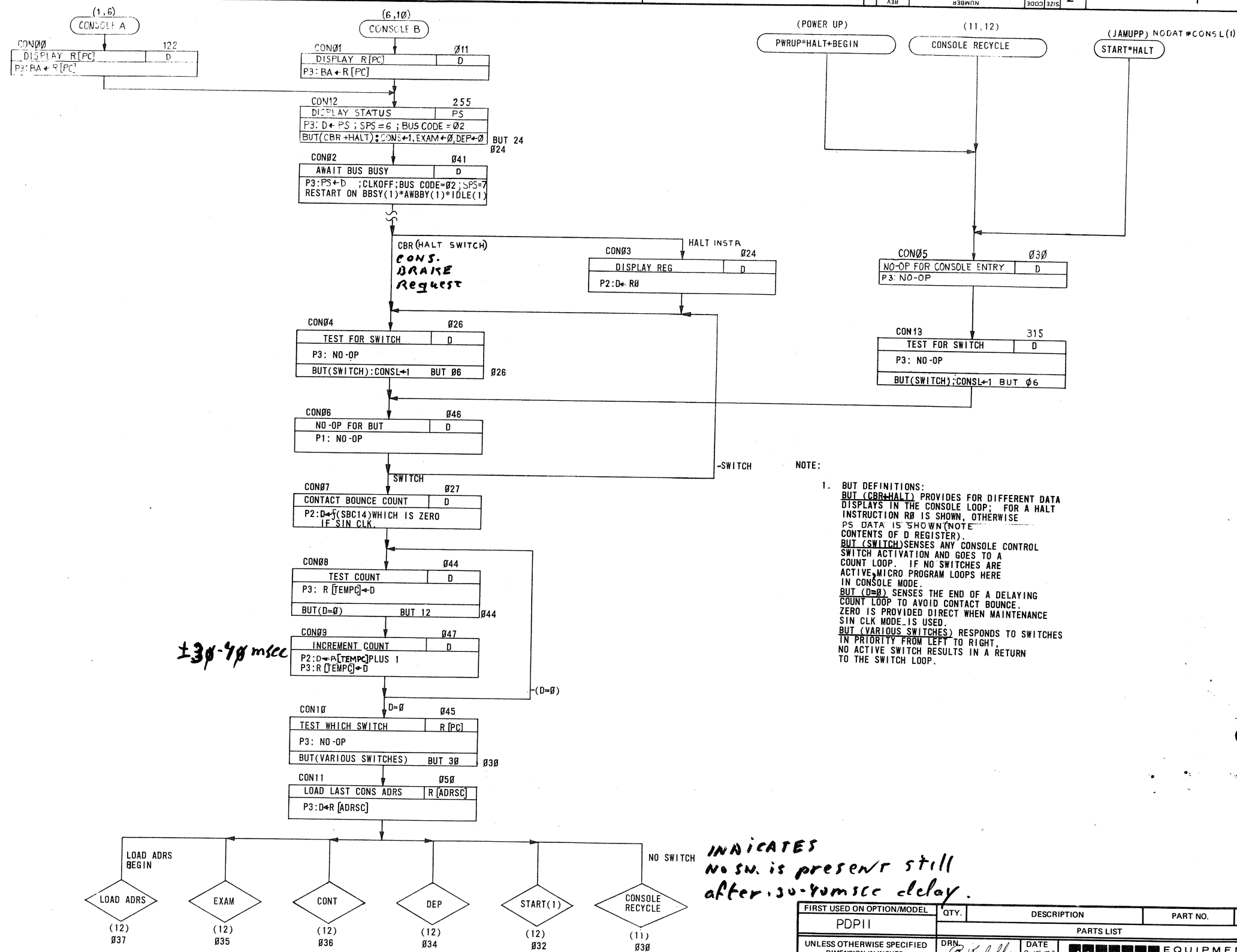
This drawing and specifications, herein, are the property of Digital Equipment Corporation and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of items without written permission.



- NOTES:
- ENTRY INTO SERVICE: CAN OCCUR BETWEEN INSTRUCTIONS FOR BUS REQUEST (BR), ERROR OR TRACE RESPONSES; AFTER TRAP SEQUENCES FOR POSSIBLE RESEQUENCE; FOR CONSOLE BUS REQUEST (CBR); FOR THE WAIT INSTRUCTION; AND FOR START AND CONT CONSOLE OPERATIONS.
 - BUT DEFINITIONS:
BUT (REQUESTS) RECHECKS THE PROBABLE SERVICE REQUESTS AND BRANCHES IN PRIORITY FROM LEFT (TOP TO BOTTOM) TO RIGHT. THIS WORKING BUT ALTERS THE FOLLOWING FLAGS: CONSL=0, EXAM=0, DEP=0 AND BBSY=0 (THIS LAST ALLOWS NPR'S TO OCCUR).
BUT (BR, WAIT AND FETCH) RESPONDS TO SERVICE SITUATIONS IN PRIORITY FROM LEFT TO RIGHT FOR BUS REQUEST, WAIT INSTRUCTION OR REENTRY TO FETCH.
BUT (INTR) PROVIDES FOR A TRAP SEQUENCE AS AN INTERRUPT RESPONSE OR RECYCLES THROUGH SERVICE FOR A PASSIVE BR RELEASE OF THE BUS. THIS WORKING BUT ALSO CLEAR THE WAIT FLAG AND SETS INTR IF AN INTERRUPT OCCURRED.

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION		PART NO.	ITEM NO.
PDPII						
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DRN	DATE	PARTS LIST		
DECIMALS	ANGLES	CHK'D	9-15-72	digital EQUIPMENT CORPORATION		
.XXX = .005	±0° 30'	ENG	9/25/72	NATURAL MASSACHUSETTS		
.XX = .02		PROJ. ENG.	9/25/72	TITLE		
.X = .1		PROJ. ENG.	9/25/72	FLOW DIAGRAM		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		PROJ. ENG.	9/25/72	(SERVICE)		
MATERIAL		NEXT HIGHER ASSY.		SIZE CODE	NUMBER	REV.
FINISH		B-DD-KDII-A		D FD	KDII-A-FD	B
SCALE		SHEET 10 OF 12		DIST.		

This drawing and specifications, herein, are the property of Digital Equipment Corporation 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.



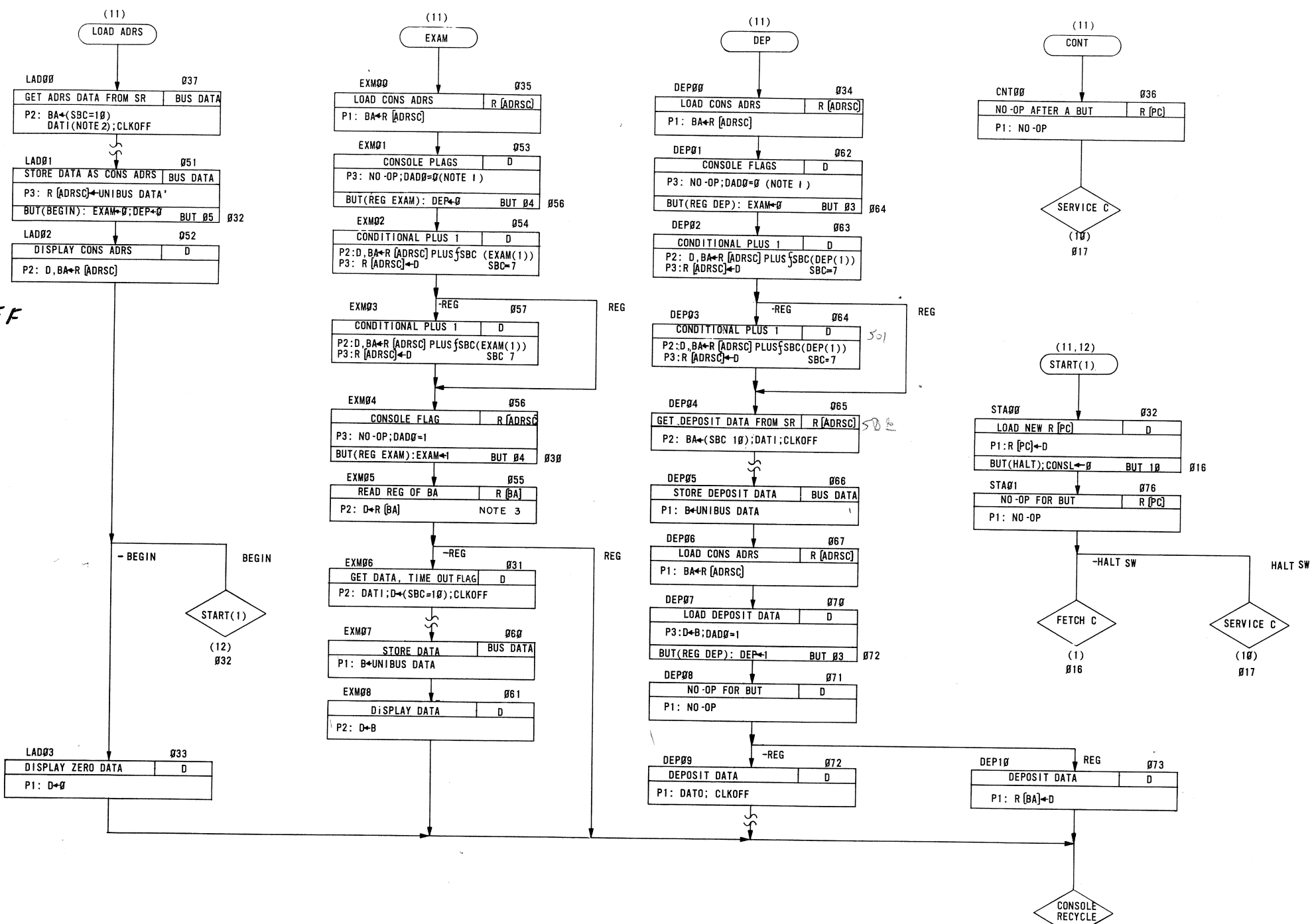
NOTE:

- BUT DEFINITIONS:
BUT (CBR+HALT) PROVIDES FOR DIFFERENT DATA DISPLAYS IN THE CONSOLE LOOP; FOR A HALT INSTRUCTION R0 IS SHOWN, OTHERWISE PS DATA IS SHOWN (NOTE CONTENTS OF D REGISTER).
BUT (SWITCH) SENSES ANY CONSOLE CONTROL SWITCH ACTIVATION AND GOES TO A COUNT LOOP. IF NO SWITCHES ARE ACTIVE, MICRO PROGRAM LOOPS HERE IN CONSOLE MODE.
BUT (D=0) SENSES THE END OF A DELAYING COUNT LOOP TO AVOID CONTACT BOUNCE. ZERO IS PROVIDED DIRECT WHEN MAINTENANCE SIN CLK MODE IS USED.
BUT (VARIOUS SWITCHES) RESPONDS TO SWITCHES IN PRIORITY FROM LEFT TO RIGHT. NO ACTIVE SWITCH RESULTS IN A RETURN TO THE SWITCH LOOP.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP11				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES				
DECIMALS	ANGLES			
XXX = .005	± 0° 30'			
.XX = .02				
.X = .1				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL	NEXT HIGHER ASSY.			
FINISH	SCALE	SHEET	OF	
		11	12	
PARTS LIST		digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS		
TITLE		FLOW DIAGRAM (CONSOLE LOOP) (11)		
SIZE CODE		NUMBER	REV.	
B-11-K11-A		D F D K D I I - A - F D	B	

This drawing and specifications, herein, are the property of Digital Equipment Corporation 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.

na een keer
door de cycle
te zijn gegaan
na load addrs.
wordt load address FF
gereset.



NOTES:

1. BUT DEFINITIONS:
BUT (BEGIN) IS A WORKING BUT THAT
CLEARS THE EXAM AND DEP FLAGS
AND REACTS TO A BEGIN
SWITCH BY SEQUENCING A
START OPERATION.
BUT (REG EXAM) RESPONSES TO
REG CONSOLE OPERATION
AND DATA INCREMENTATION
AND DATA DISPLAY. THIS
WORKING BUT ALSO ORDERS
INCREMENTING FLAGS
BUT (REG DEP) RESPONSES TO
REG CONSOLE OPERATION FOR
PROPER INCREMENTATION
AND DATA STORAGE. THIS
WORKING BUT ALSO ORDERS
INCREMENTING FLAGS.
BUT (HALT) SENSES THE HALT
SWITCH AND EITHER GOES
TO FETCH (ENABLE POSITION) OR
THROUGH SERVICE TO CONSOLE
(HALT POSITION).
2. PROCESSOR RESPONSES TO SR ADDRESS
(PROVIDED BY SBC=10) UNLESS
BEGIN SWITCH INPUT IS ACTIVE.
3. REGISTER SELECTION AS A
FUNCTION OF BA[03=00].

REV.	CHANGE NO.	CHK

DFC FORM NO
100-100-A

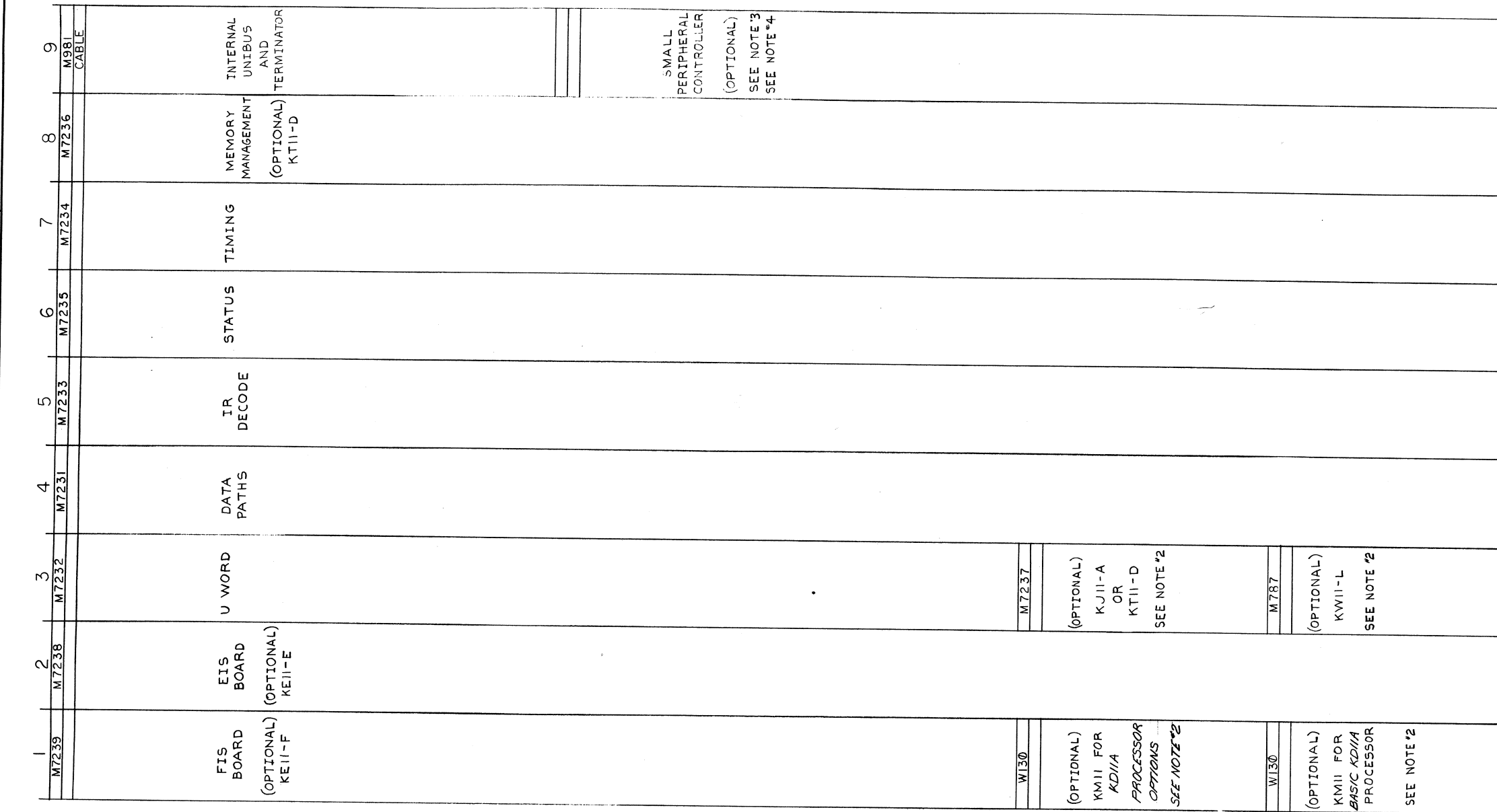
FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP11					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DRN: <i>R. Smith</i>	DATE: 1-15-72	PARTS LIST	
DECIMALS	ANGLES	CHK'D: <i>[Signature]</i>	DATE: 7/25/72	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
.XXX = .005	±0° 30'	ENG: <i>[Signature]</i>	DATE: 7/25/72	TITLE	
.XX = .02		PROJ. ENG: <i>[Signature]</i>	DATE: 7/25/72	FLOW DIAGRAM (CONSOLE SWITCHES)	
.X = .1		PROD. <i>[Signature]</i>	DATE: 7/25/72		
REMOVE BURRS AND BREAK SHARP CORNERS. SURFACE QUALITY					
MATERIAL		NEXT HIGHER ASSY.			
FINISH		PDP KDI1-A			
		SCALE 12-12			
		PDP KDI1-A-FD			

MAYNARD, MASSACHUSETTS

MADE BY R. PUDELKO	CHECKED <i>J. J. Dougherty</i>	SECTION
DATE 9/15/72	DATE 9/27/72	
ENG <i>J. J. Dougherty</i>	PROD <i>J. J. Dougherty</i>	ISSUED SECT.
DATE 9/27/72	DATE 9/28/72	

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

This drawing and specifications, herein, are the property of Digital Equipment Corporation 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.



NOTES:

- VIEW OF LOGIC PANEL IS FROM WIRING SIDE.
- PREWIRED MODULE SLOTS FOR NOTED OPTIONS.
- THE SMALL PERIPHERAL CONTROLLER SLOT (SLOT 09, SECTIONS C,D,E AND F) MAY CONTAIN A VARIETY OF PDP11 OPTIONS. THE OPTION USUALLY CONSIST OF A SINGLE QUAD MODULE BOARD (SECTION C,D,E AND F). IT MAY CONSIST OF A DOUBLE HEIGHT CONTROLLER BOARD (SECTIONS C AND D) WITH A M105 ADDRESS SELECTOR MODULE (SECTION E) AND A M7821 INTERRUPT CONTROL MODULE (SECTION F).
- IF NO OPTION IS PRESENT IN THE SMALL PERIPHERAL CONTROLLER (SLOT, A G727 GRANT CONTINUITY MODULE MUST BE INSERTED INTO SECTION D.

VIEW FROM WIRING SIDE

REVISIONS		CHK	CHANGE NO.	REV.
1		38	KD11A-00005	A
2		38	0' LOUGHLIN	2-15-73

DEC FORM NO. 100

FIRST USED ON OPTION/MODEL
PDP 11

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			
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
TITLE MODULE UTILIZATION			
NEXT HIGHER ASSY A-F-L-KD11-A-0		SIZE CODE D1MU	NUMBER KD11-A-MU
SCALE NONE		REV. A	
SHEET 1 OF 1		DIST.	