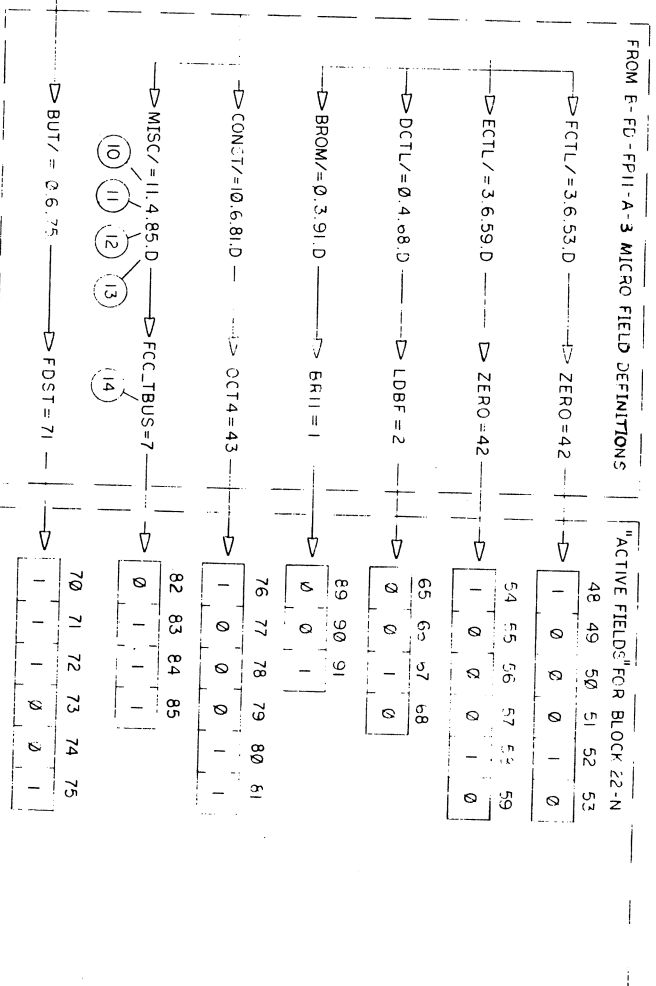
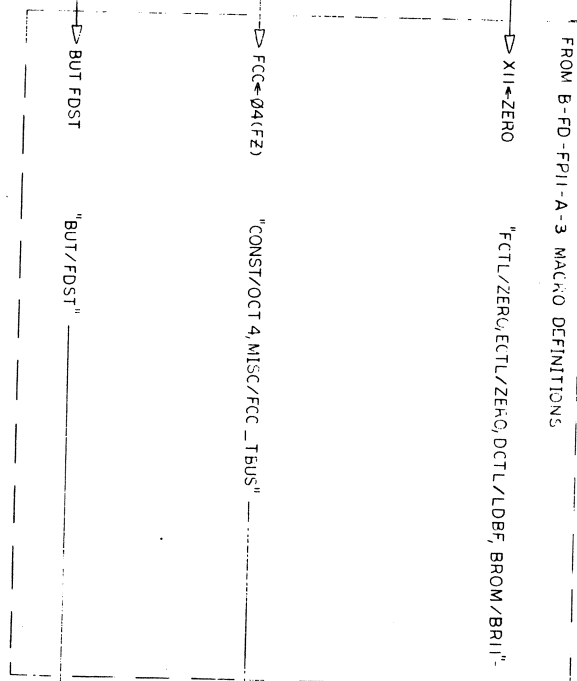
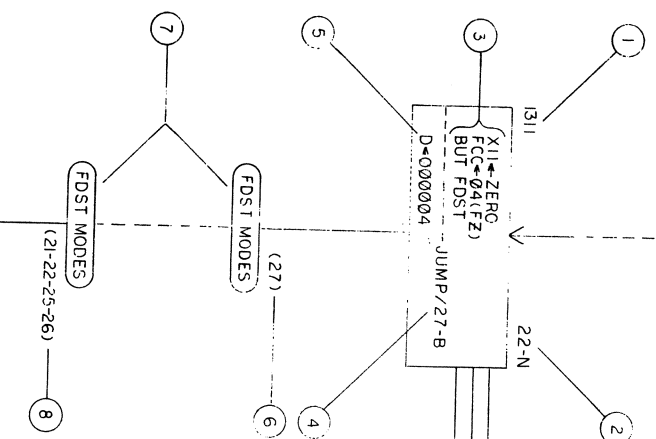


SECTOR NUMBER

40

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KEY TO MICRO FLOW SYMOLOGY



NEXT MICRO ADDRESS (FROM BLOCK 27-B)

1640 27-B
FPS-BUF
BUT FD
D-BUF
JUMP/27-D

NOTES

- 1 MICRO ADDRESS OF CURRENT WORD.
- 2 SYMBOLIC TAG OF CURRENT WORD CONSISTS OF PAGE NUMBER AND BLOCK LABEL (PAGE-BLOCK).
- 3 MICRO OPERATIONS WHICH TAKE PLACE DURING THIS STATE. THE FIELDS WHICH ARE INVOLVED IN CARRYING OUT THESE OPERATIONS CAN BE DETERMINED USING: FP11-A MACRO DEFINITIONS
- 4 27-B IS THE SYMBOLIC TAG OF THE NEXT MICRO WORD (TARGET) ASSUMING NO BRANCHING (DESTINATION MODE 0). THIS CAN BE USED TO DETERMINE THE NEXT ADDRESS FIELD OF THE CURRENT MICRO WORD.
- 5 "D" STANDS FOR DISPLAY IN THIS CASE, 000004 WILL APPEAR ON THE CONSOLE DISPLAY IF OPERATING IN MAINTENANCE MODE.

- 6 INDICATES PAGE IN FLOWS WHERE THIS ENTRY POINT CAN BE FOUND
- 7 EXIT AND ENTRY LABELS ARE USED TO INDICATE LOGICAL FLOW FROM PAGE TO PAGE
- 8 INDICATES PAGES IN FLOWS FROM WHICH ENTRY POINT IS CALLED
- 9 THIS ADDRESS IS THE TARGET OF THE JUMP FIELD OF BLOCK 22-N
- 10 DEFAULT VALUE OF THIS FIELD
- 11 NUMBER OF BITS IN THIS FIELD
- 12 LOCATION OF RIGHT MOST BIT OF THIS FIELD WITHIN MICRO WORD
- 13 INDICATES THAT THE DEFAULT IS TAKEN IF NOTHING ELSE IS SPECIFIED
- 14 OCTAL VALUE OF MICRO FIELD LITERAL

NOTE: ALL OTHER FIELDS ARE SET TO THEIR DEFAULT VALUES (SEE PRECEDING PAGE FOR MICRO FIELD DEFINITIONS)

69 0 1 2 3 4 5 6 7 8
1 1 0 1 0 0 0 0 0
70 71 72 73 74 75
1 1 1 0 0 1

REVISIONS	CHK	CHANGE NO.	REV.
TITLE: FP11-A FLOWS			
SCALE: 1:1			
SHEET: 2 OF 40			
DISTR:			
SIZE CODE: DFD			
NUMBER: FP11-A-2			
REV:			

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8

7

6

5

4

3

REV.

2-V-1113

NOV 1975

2

1

FPII-A TYPICAL REGISTER USAGE

17	FPS	FCCR	FEC	ZERO	EFSRC
16					
15					
14	FSRC	AC	S	E	EAC
13					
12					
11	FSRC (BECOMES SIGN)	S	E	S	E
10					
9					
8	AC5	S	E	S	E
7					
6					
5	AC4	S	E	S	E
4					
3					
2	AC3	S	E	S	E
1					
0					

SECTOR3	SECTOR 2	SECTOR 1	SECTOR 0	SECTOR 3
BYTE 6	BYTE 5	BYTE 4	BYTE 3	BYTE 2
F - REG				BYTE 7
X - REG				E - REG

FPII-A TS BUS ASSIGNMENT

TS0	Y8
TS1	Y9
TS5	FT
TS6	Y61
TS8	FIC
TS9	FIV
TS10	FIV
TS11	FIV
TS14	FID

FPII-A MPC BUTOFF BITS

MPC	1134	FPX	FPX	FPX	FPX
0	IR09	—	—	OP10	OP20
1	ZBIT	TS0	TS14	OP11	OP21
2	C05	TS1	XOUT	OP12	OP22
3	SP15	TS8	Q8-Q40	OP13	OP23
4	BX00	TS9	XZBT	—	—
5	BX01	TS10	XNBT	—	—
6	NBIT	TS11	BUSRQ	—	—
7	COUT	TS5	EZBT	—	—
8	—	TS6	ENBT	—	—

FLOATING POINT STATUS REGISTER

15	FID	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
FER	FID	13	12	11	10	9	8	7	6	5	4	3	2	1	0	

REVISIONS	
CHK	CHANGE NO.
REV.	

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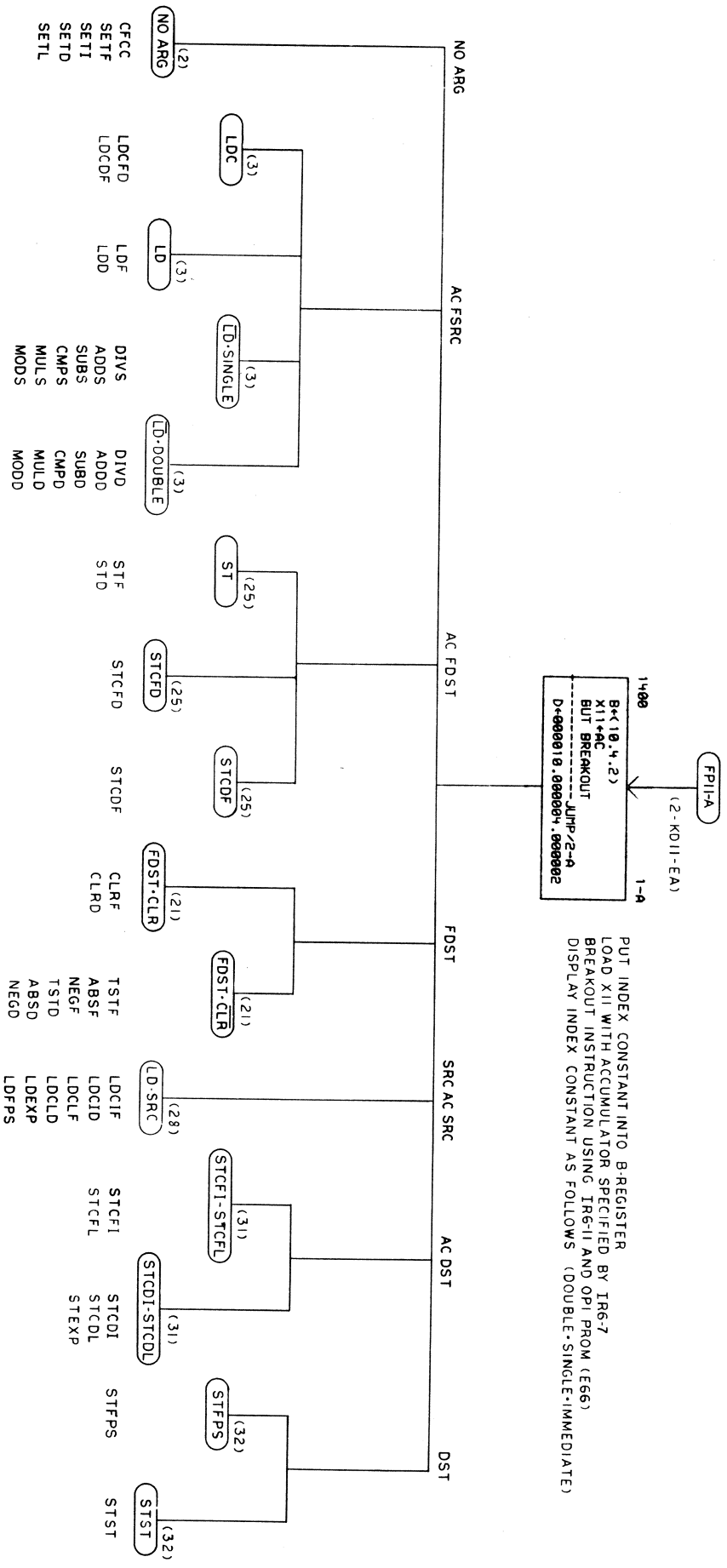
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1

TITLE		SIZE CODE		NUMBER		REV.	
FPII-A FLOWS		D FD		FPII-A-2			
SCALE	3 OF 40	SHEET	DIST.				

SIZE CODE	NUMBER	REV.
D FD	FPII-A-2	

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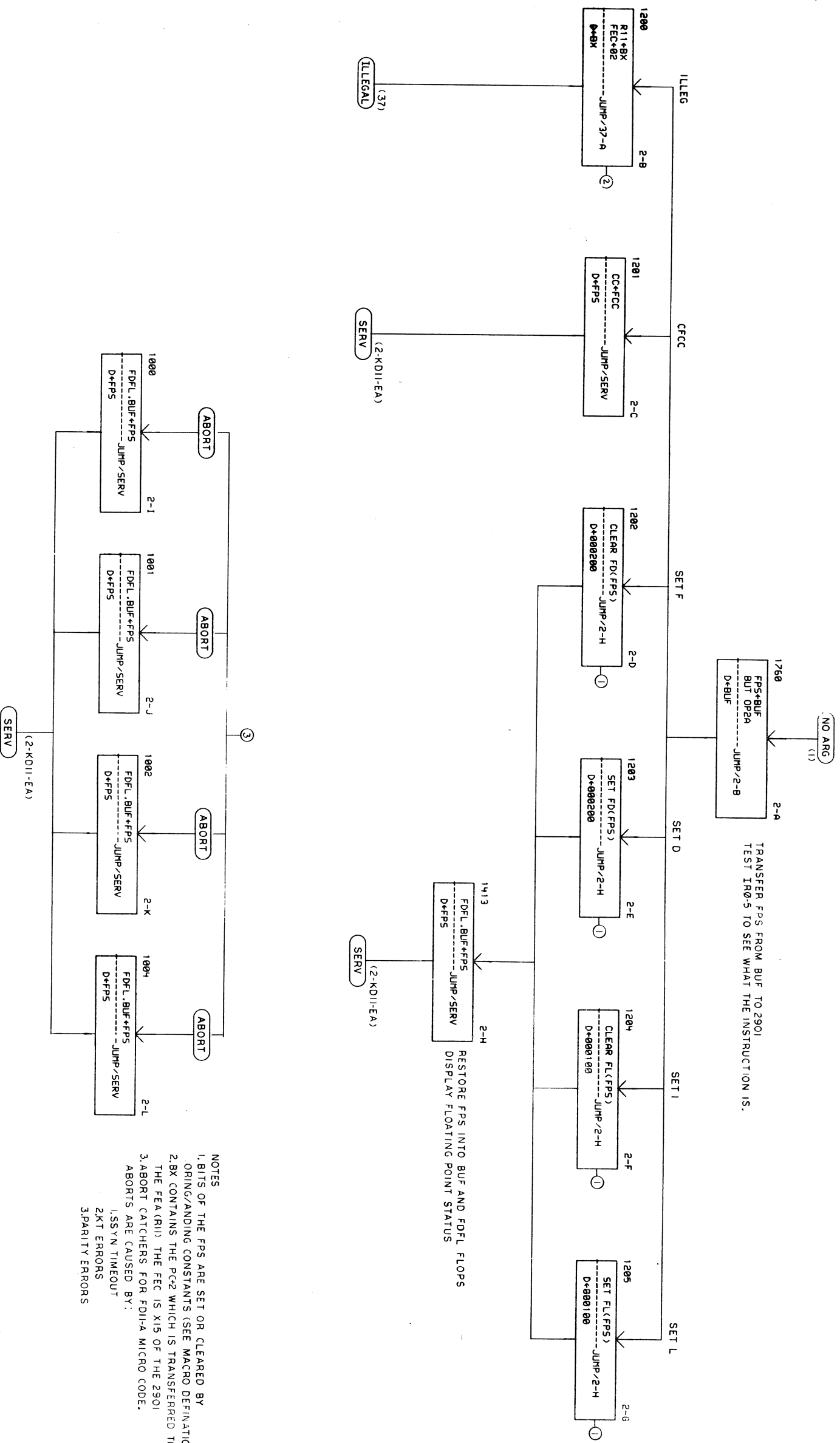
REVISIONS	
CHK	CHANGE NO.
REV.	

TITLE	
FPII-A FLOWS	
SCALE	1:1
SHEET	4 OF 40
DIST.	

SIZE CODE	NUMBER	REV.
D	FPII-A-2	

43

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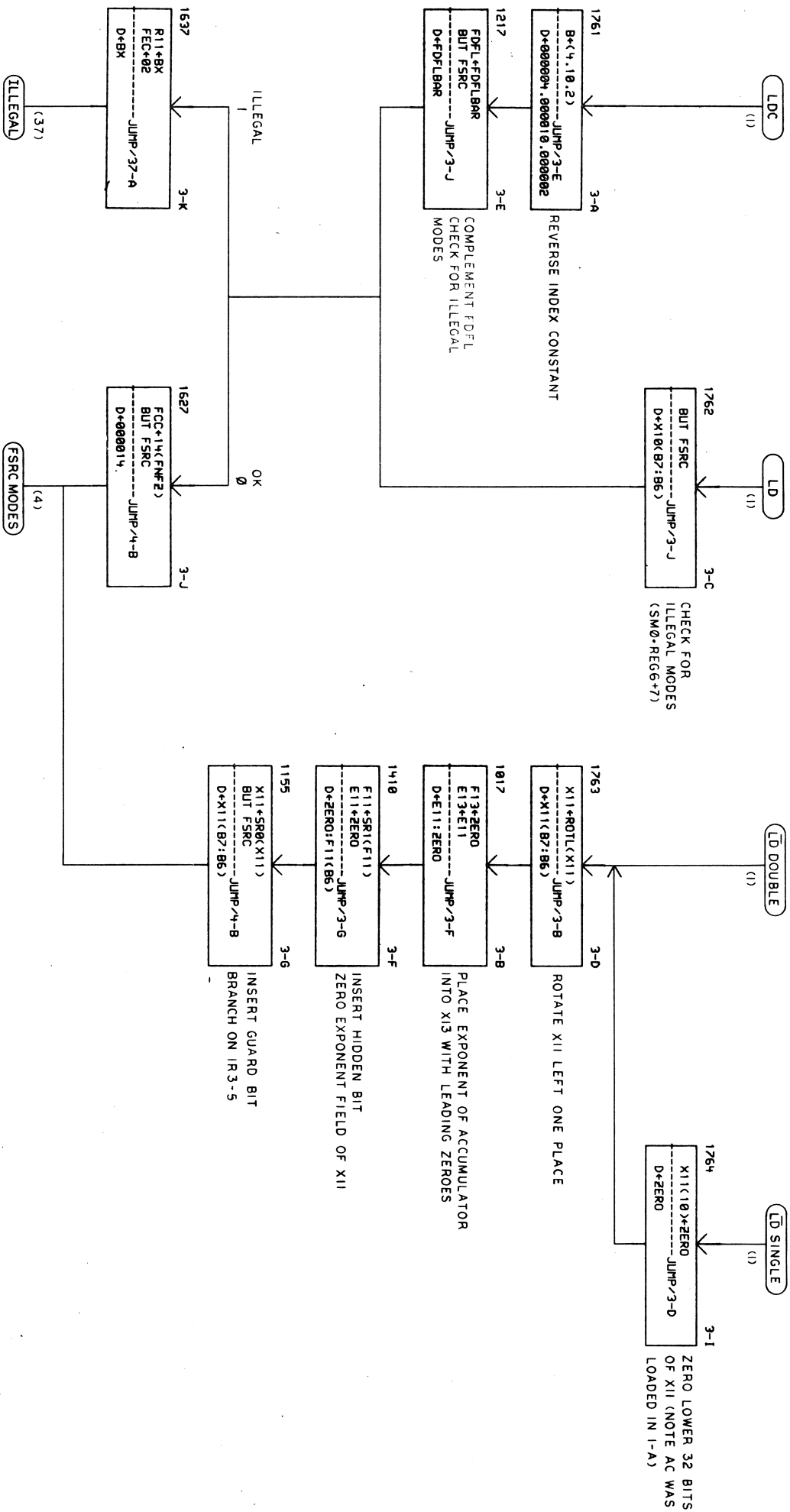


NOTES
1. BITS OF THE FPS ARE SET OR CLEARED BY
ORIGIN/ANDING CONSTANTS (SEE MACRO DEFINITIONS)
2. BX CONTAINS THE PC+2 WHICH IS TRANSFERRED TO
THE FEA (RII) THE FEC IS X15 OF THE 2901
3. ABORT CATCHERS FOR FDI-A MICRO CODE.
ABORTS ARE CAUSED BY:
1. SYN TIMEOUT
2. KT ERRORS
3. PARITY ERRORS

REVISIONS	
CHK	CHANGE NO.
REV.	

TITLE	SIZE CODE	NUMBER	REV.
FPII-A FLOWS (2)	D/FD	FPII-A-2	
SCALE	SHEET	5 OF 40	DIST.

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REVISIONS	
CHK	CHANGE NO.
REV	

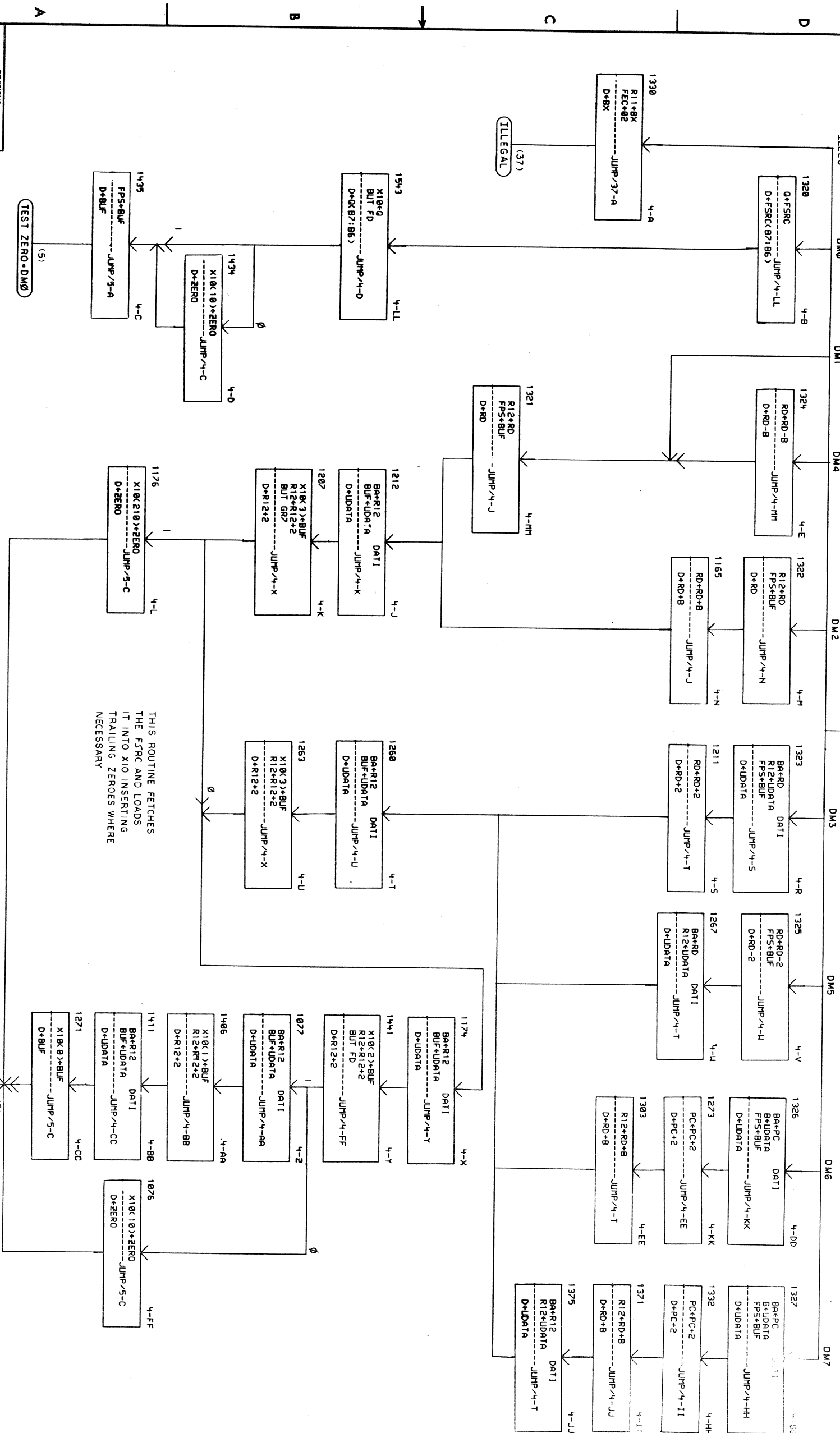
8 7 6 5 4 3 2 1

TITLE		SIZE CODE		NUMBER		REV.	
FP11-A FLOWS		(3)		D F D		FP11-A-2	
SCALE		SHEET		6 OF 40		DIST.	

SIZE CODE	NUMBER	REV.
D F D	FP11-A-2	

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FSRC MODES (3)



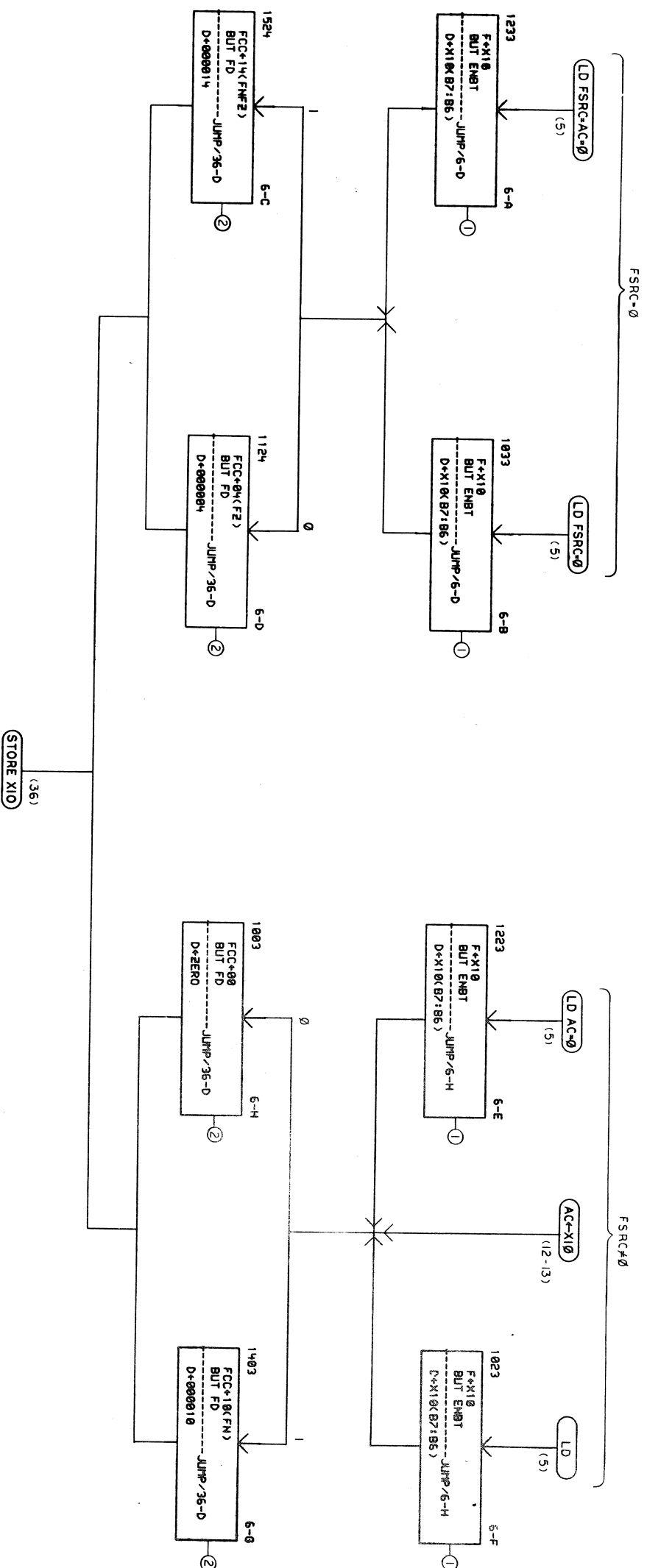
REVISIONS	
CHK	CHANGE NO.

8	7	6	5	4	3	2	1
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TITLE		SIZE CODE		NUMBER	
FPII-A FLOWS (4)		D FD		FPII-A-2	
SCALE		SHEET		7 OF 40	
		DIST.			

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- NOTES
1. TEST SIGN OF FSRC (X10: BIT 7)
 2. SET FLOATING CONDITION CODES (FCC) USING THE APPROPRIATE CONSTANT. NOTE THAT THE FCC IS CONTAINED IN THE LOWER FOUR BITS OF THE BUFFER (BUF).

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE		NUMBER		REV.	
FPII-A FLOWS (6)		D F D		FPII-A-2			
SCALE		SHEET		9 OF 40		DIST.	