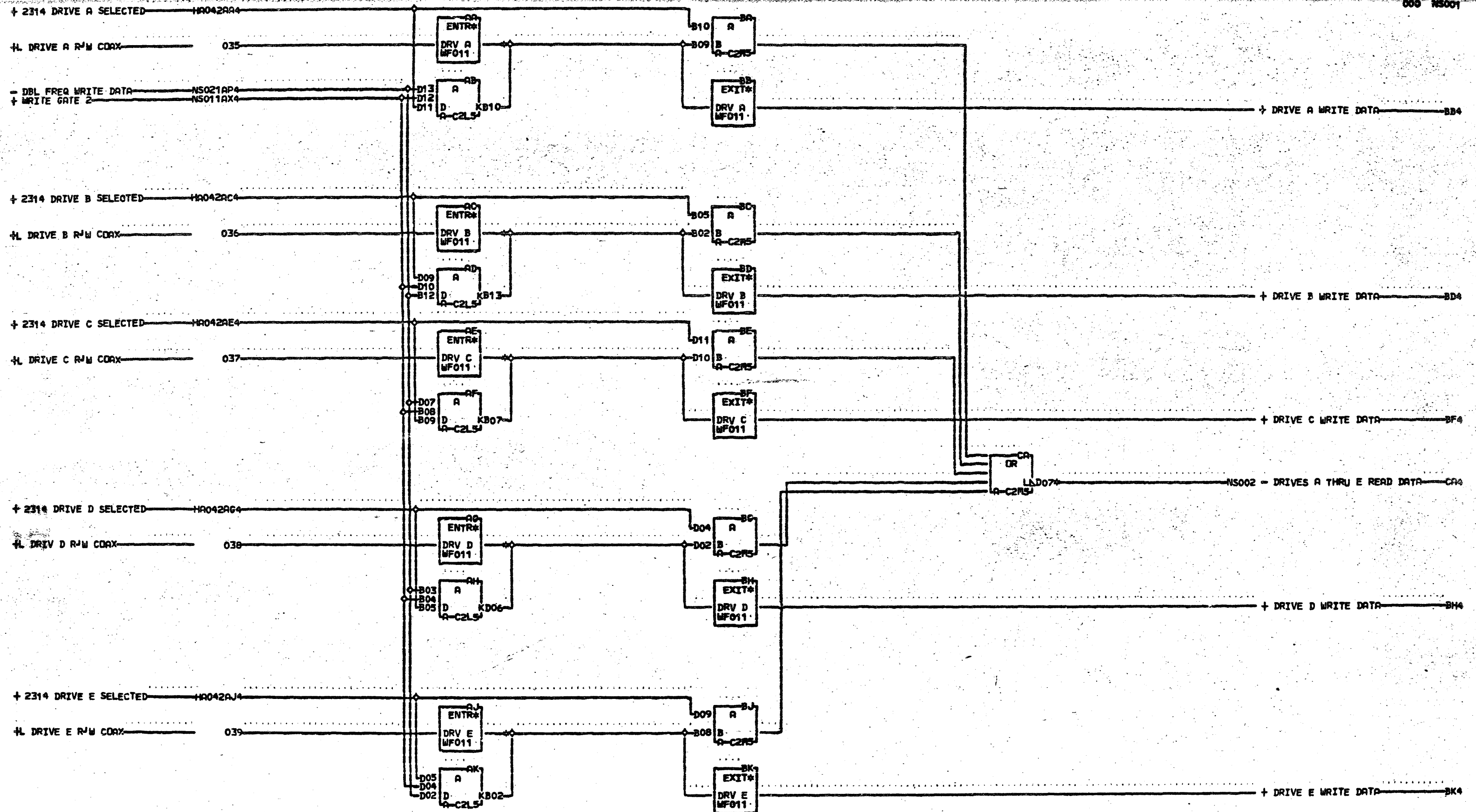
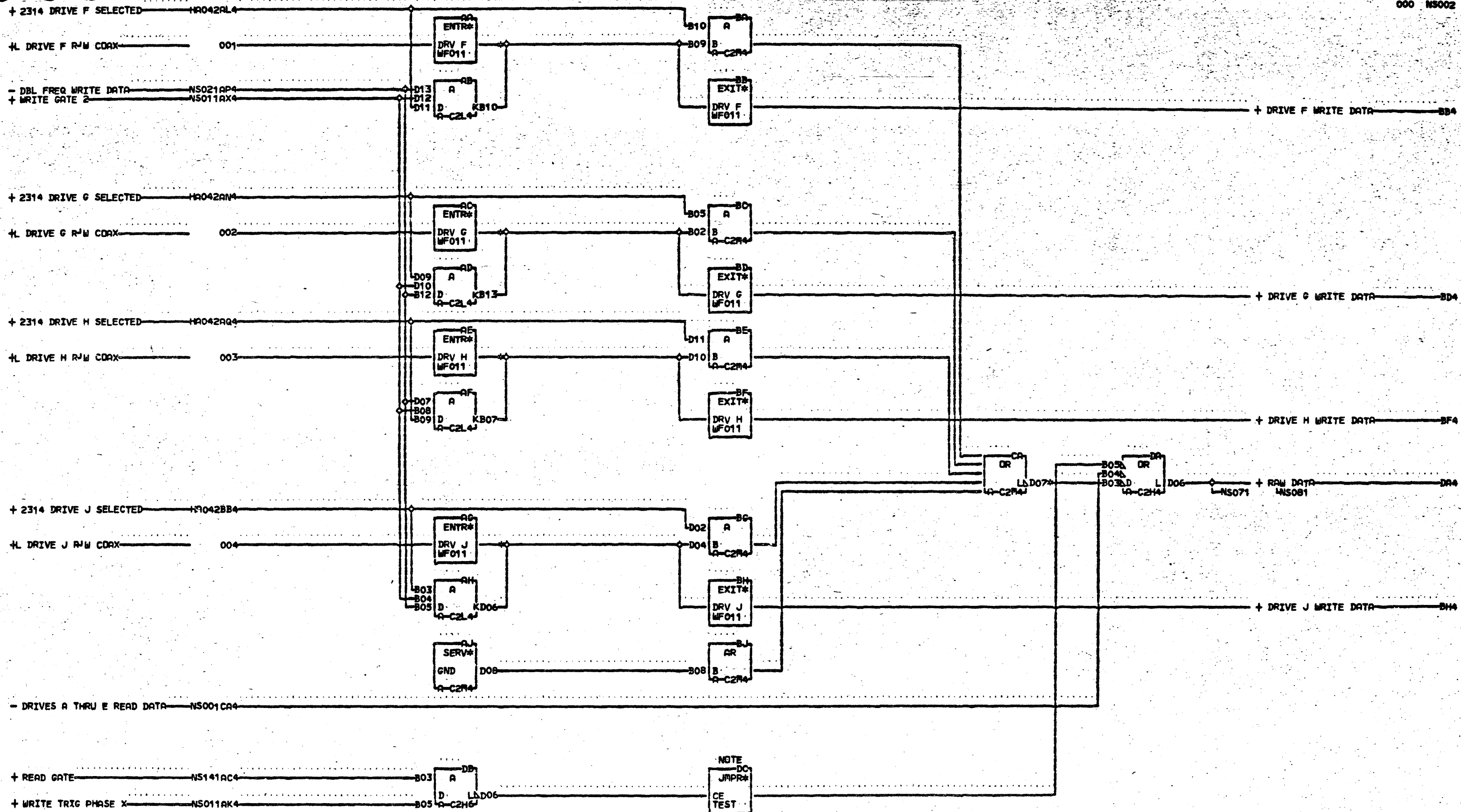




AA4 A-C2N5D02
 AC4 A-C2N5D04
 AE4 A-C2N5D05
 AG4 A-C2N5D07
 AJ4 A-C2N5D09
 CR4 RESISTOR
 A-C2N5D06

LOC. TYPE
 A-C2L5 0135
 A-C2N5 0499

READ WRITE DATA		N S 0 0 1
DRIVES A THRU E		
E-C-HISTORY	MACH-2314-FCU	01
416120	416123	
DATE	LAST EC	IBM CORP. SDD
01-17-67	420637	P/N: 2209456

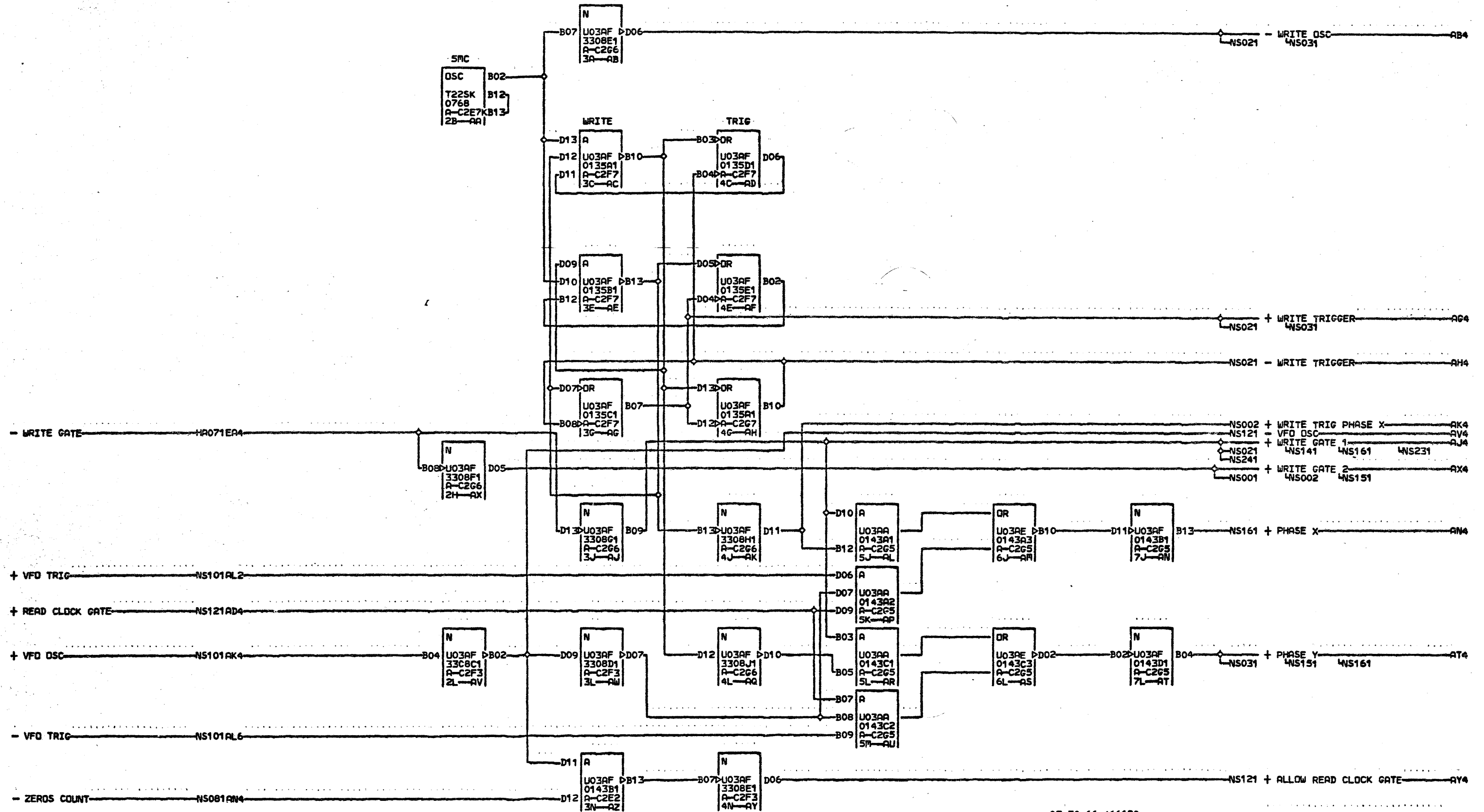


NOTE: JUMPER ADDED FOR
VFO ADJUSTMENT ONLY

AA4 A-C2N3D09
AC4 A-C2N3D10
AE4 A-C2N3D12
AG4 A-C2N3D13
CA4 RESISTOR
A-C2N4D06

LOC. TYPE
A-C2H4 0135
A-C2H6 0135
A-C2L4 0135
A-C2M4 0499

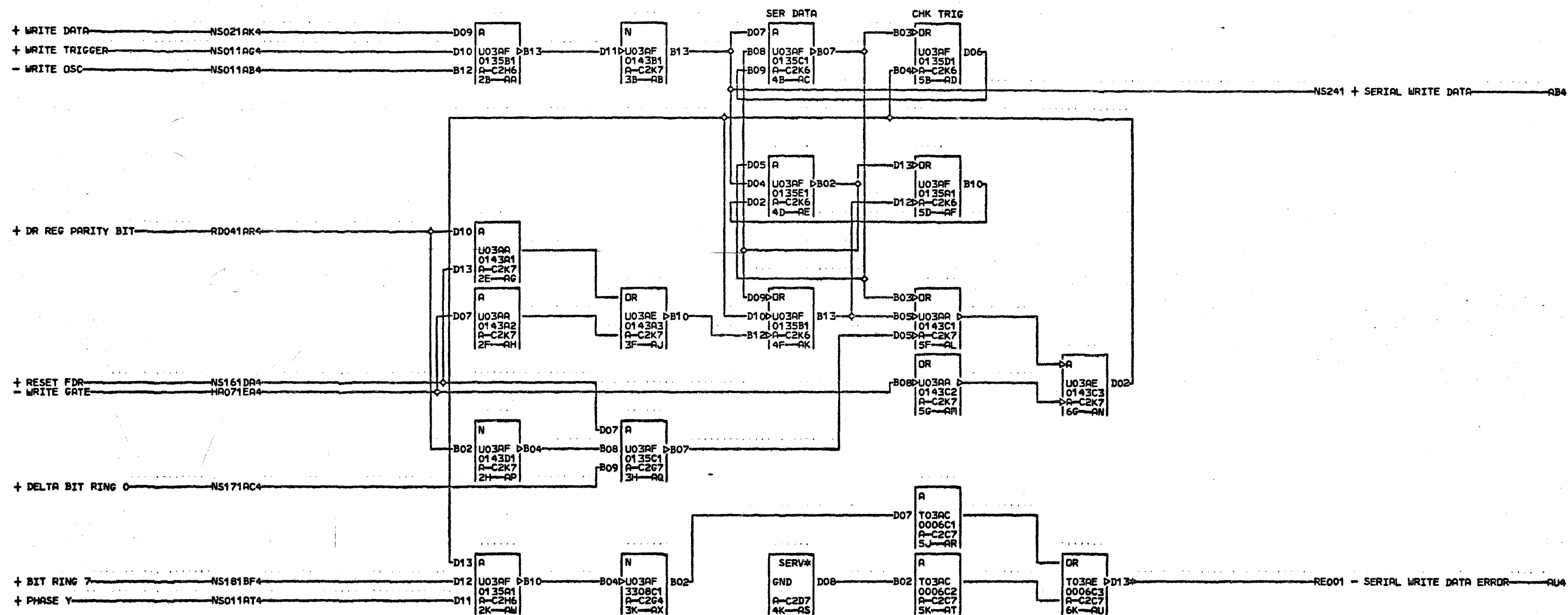
READ WRITE DATA DRIVES F THRU J		PACH#2314-FCU	N S 0 0 2
E.C. HISTORY	416120 416123		
DATE	01-17-67	IBM CORP. SDD	
LAST EC	420637	P.N. 2209310	



03-30-66 416120
10-14-68 420949

WRITE CLOCK AND CONTROLS			
DATE	10-31-68	MACH.	2314-FCU
LOG	2906	FRAME	01
	P.N.	2209457	
IBM CORP.	SDD BLK.	DC	

000-
ESON-



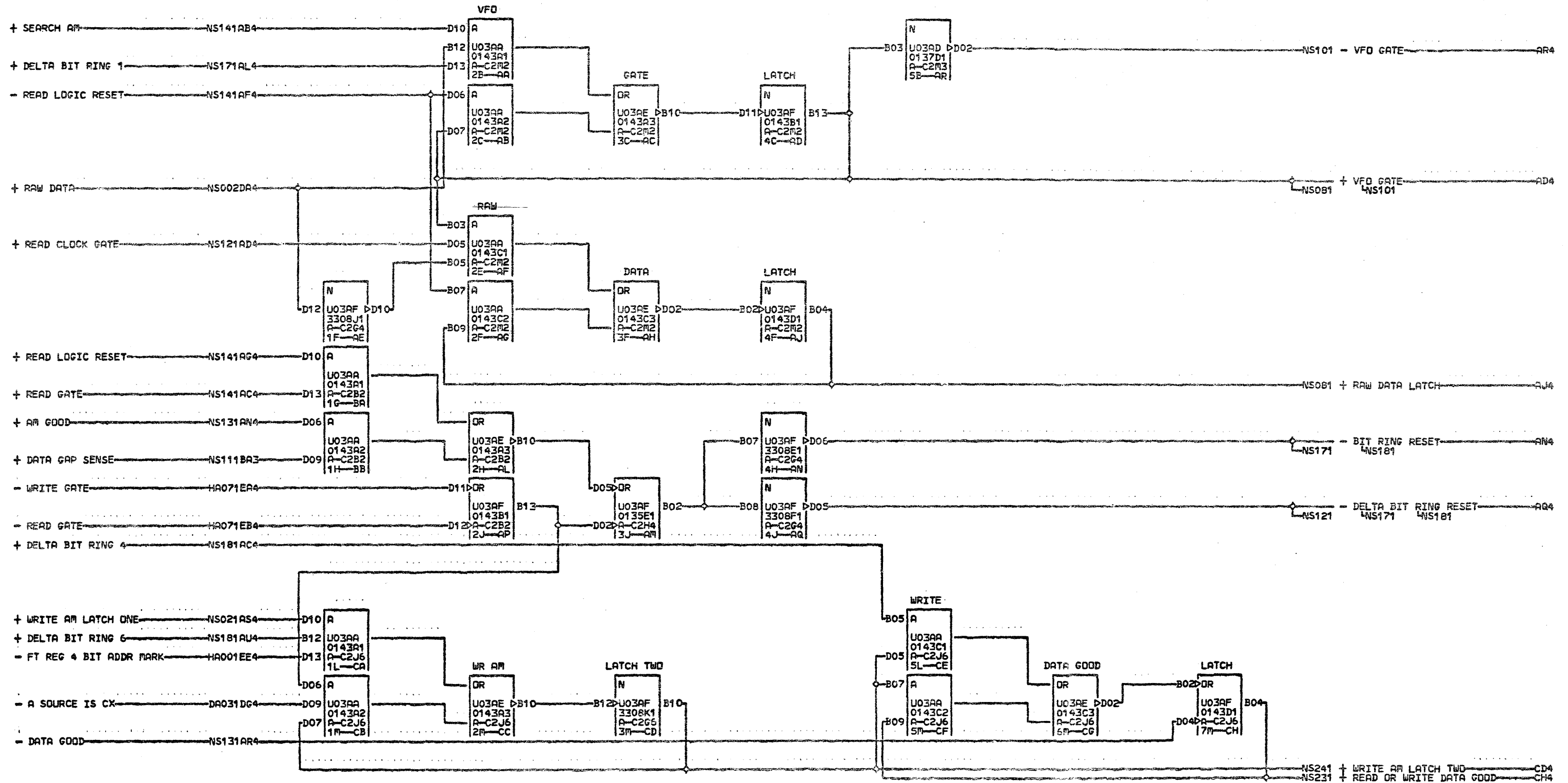
AU4 A-C2A6D02
 01A-B3A6D02
 01A-B3A7D02
 01A-B1N6D02

03-30-66 416120
 10-14-68 420949

SERIAL DATA ERROR DET			
DATE	10-31-68	MACH	2314-FCU
LOG	2906	FRAME	01
		PoNo	2209461
IBM CORP.	SDD	BLK	BA

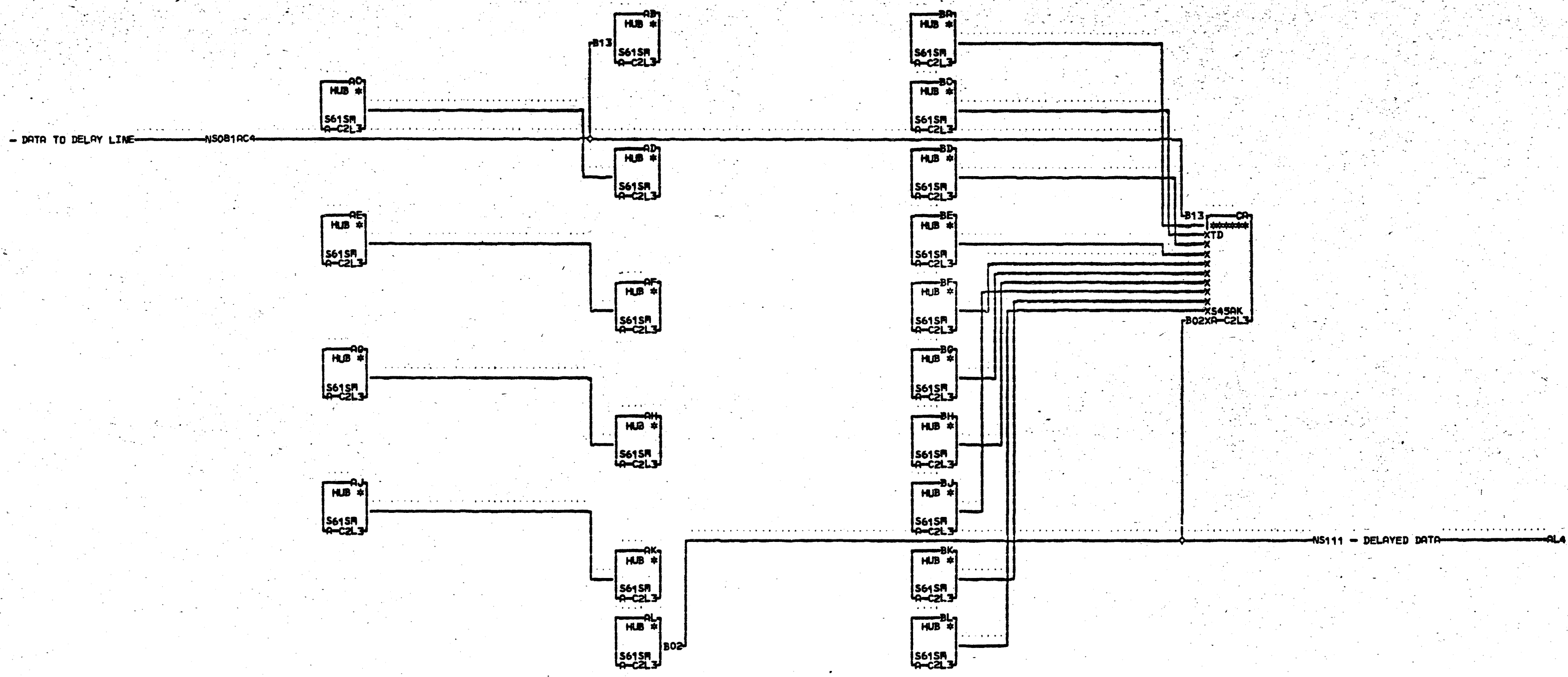
NS031

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03-30-66 416120
 09-06-66 416126
 03-27-67 420901
 08-14-67 420912
 10-14-68 420949

VFO GATE AND RD-WR DATA GOOD
 DATE 10-31-68 MACH. 2314-FCU
 LOG 288P FRAME 01
 P/N 2209465
 ISM CORP. SDD BLK. CJ

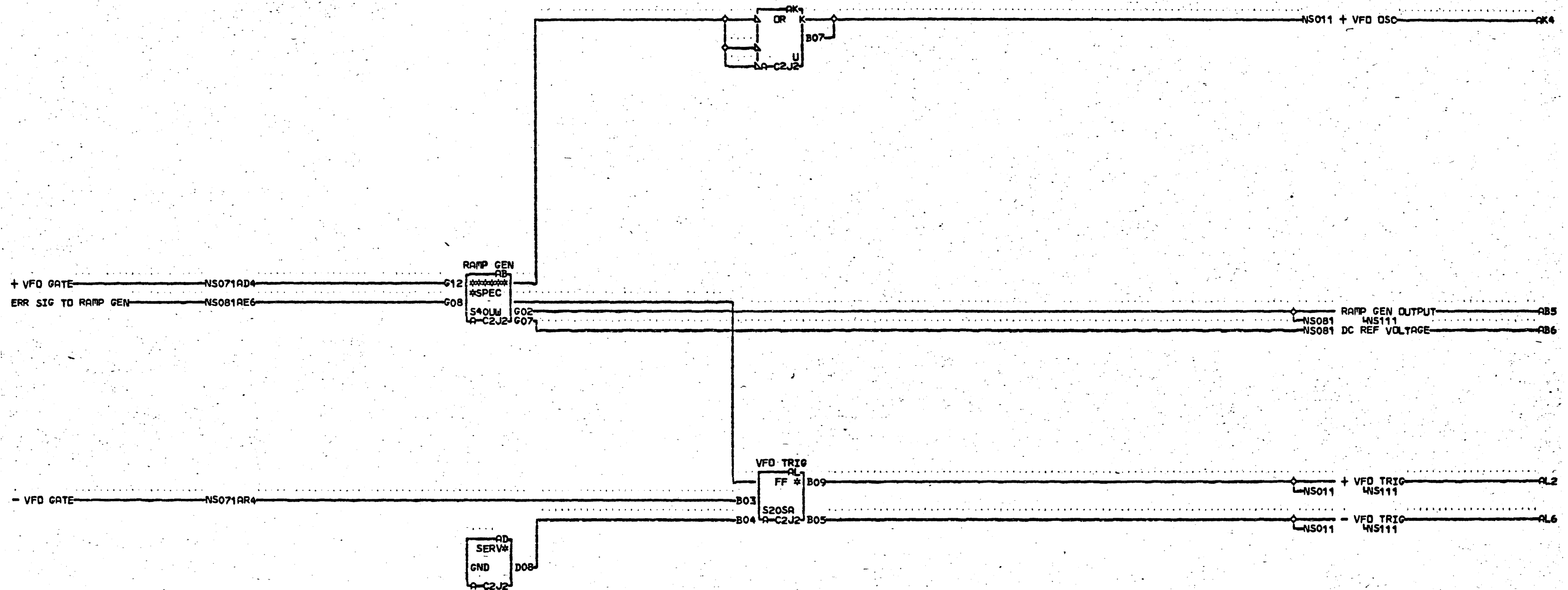


DELAY LINE IS TO BE JUMPERED
FOR THE REQUIRED DELAY TO
SEPERATE DATA. SEE VPD
ADJUSTMENT PROCEDURE.
N
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LOC. TYPE
A-C2L3 3500

DATA DELAY LINE	
E.C.-HISTORY	RACH.2314-FCU
DATE	LAST EC
03-30-66	416120
FRAME	01
IBM CORP. GPD	
P.O. No.	2209467

N
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0
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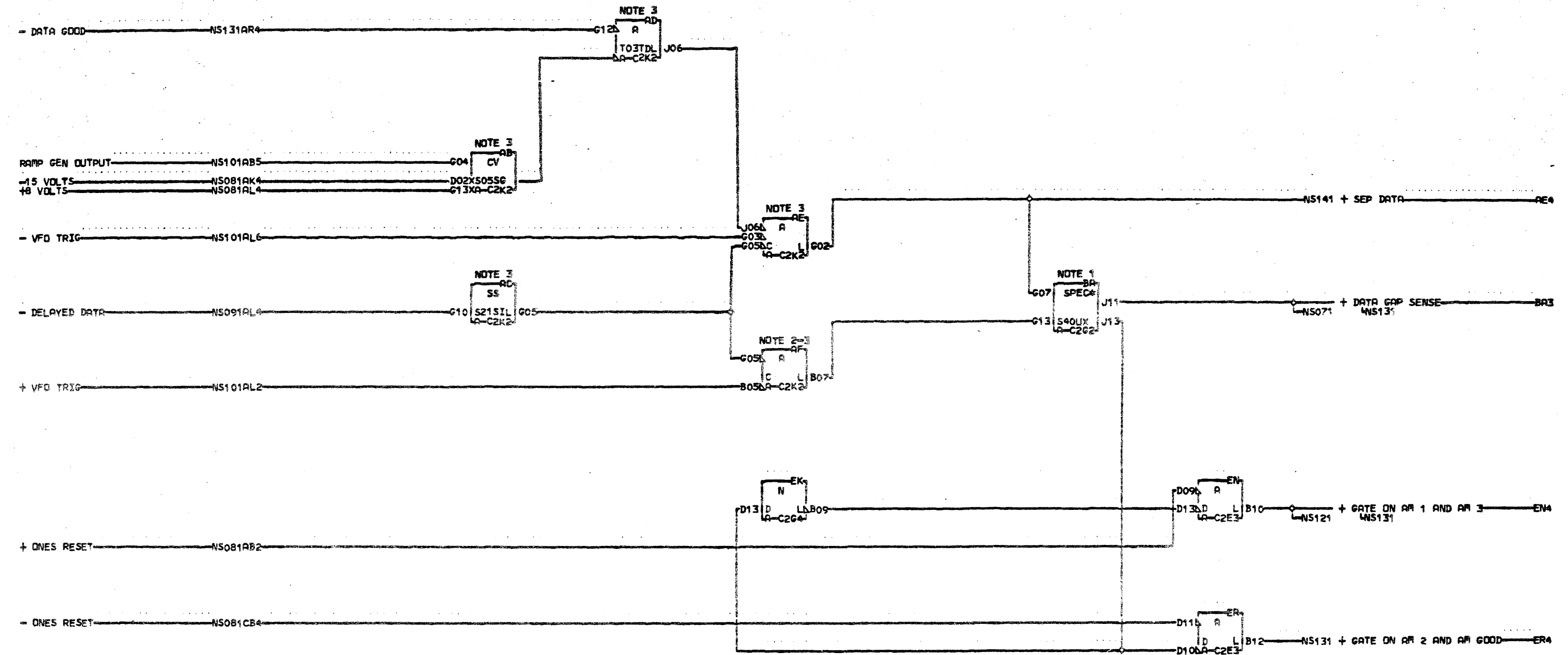


LOC. TYPE
A-C2J2 0879

RAMP GENERATOR AND VFD TRIGGER	
E.C. HISTORY	MACH. 2314-FCU
DATE	FRAME 01
LAST EC	IBM CORP. GPD
03-30-66 416120	P.N. 2209468

NS101

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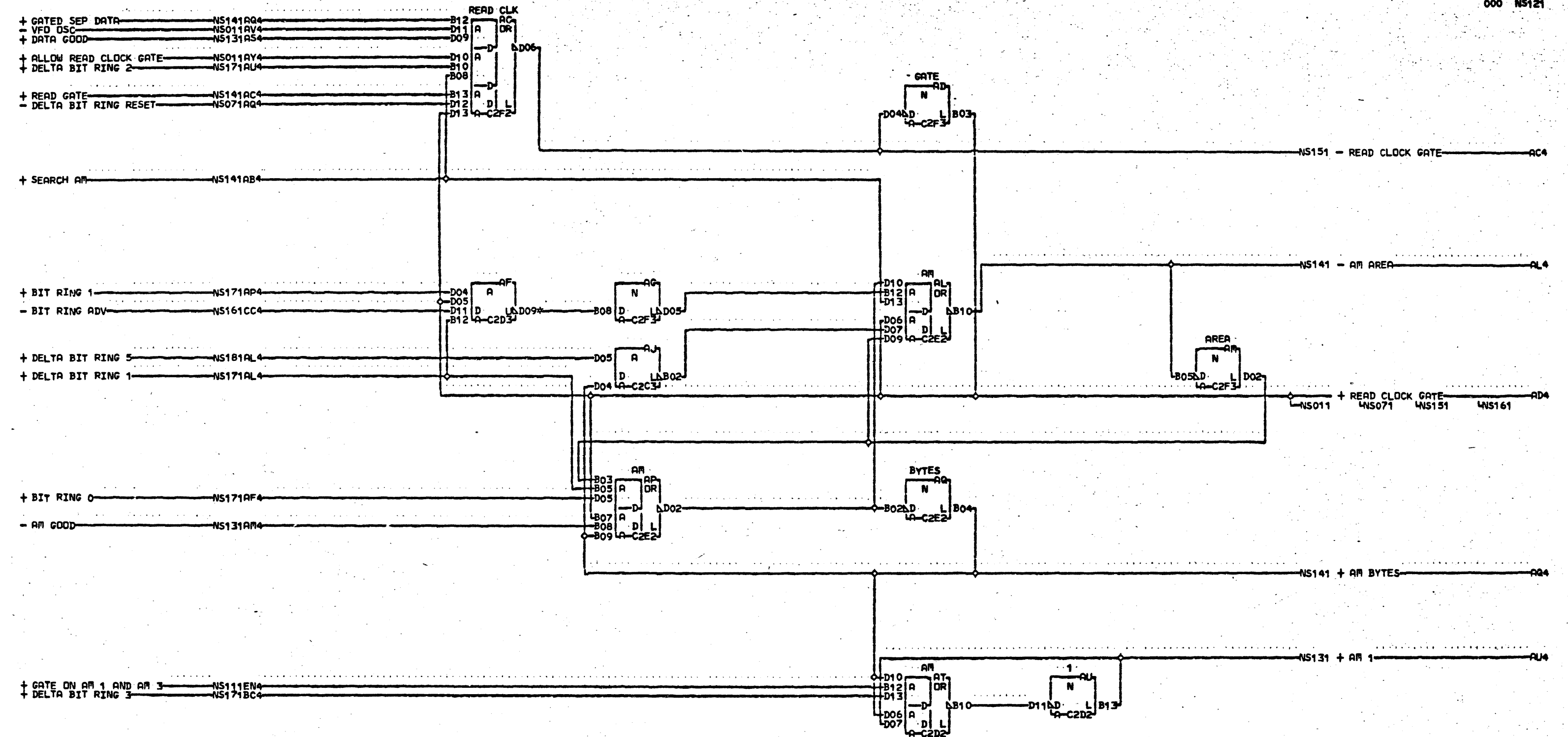


NOTE 1. THE SIGNAL ON G2J13
IS + CLOCK GAP SENSE
NOTE 2. THE SIGNAL ON K2B07
IS + SEPERATED CLOCK
PULSES
NOTE 3. P/N 5807527 OR 5800875
MAY BE USED IN THIS
LOCATION

LOC. TYPE
A-C2E3 0141
A-C2G2 1251
A-C2G4 3308
A-C2K2 7527

DATA SEPARATION AND GAP SENSE	
E.C. HISTORY 416120	MACH. 2314-FCU FRAME 01
DATE LAST EC 03-27-67 420901	IBM CORP. GPD P.O. No. 2209469

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1
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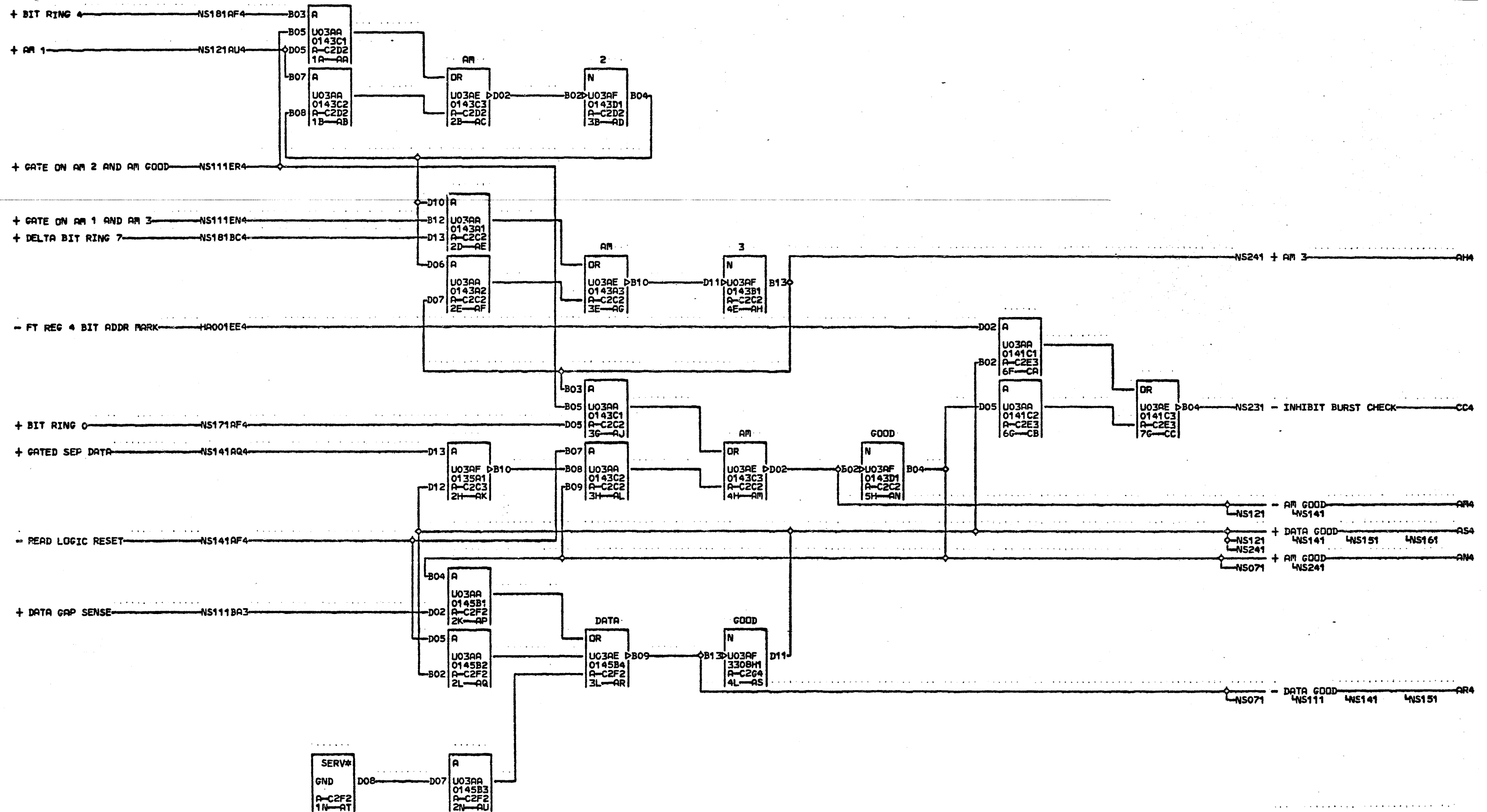


AF4 RESISTOR
A-C2D3D13

AM DETECTION PAGE 1	
E.C. HISTORY 416120 420901	MACH-2314-FCU FRAME 01 IBM CORP. SDD P.O. 2209470
DATE 08-14-67	LAST EC 420912

NS121

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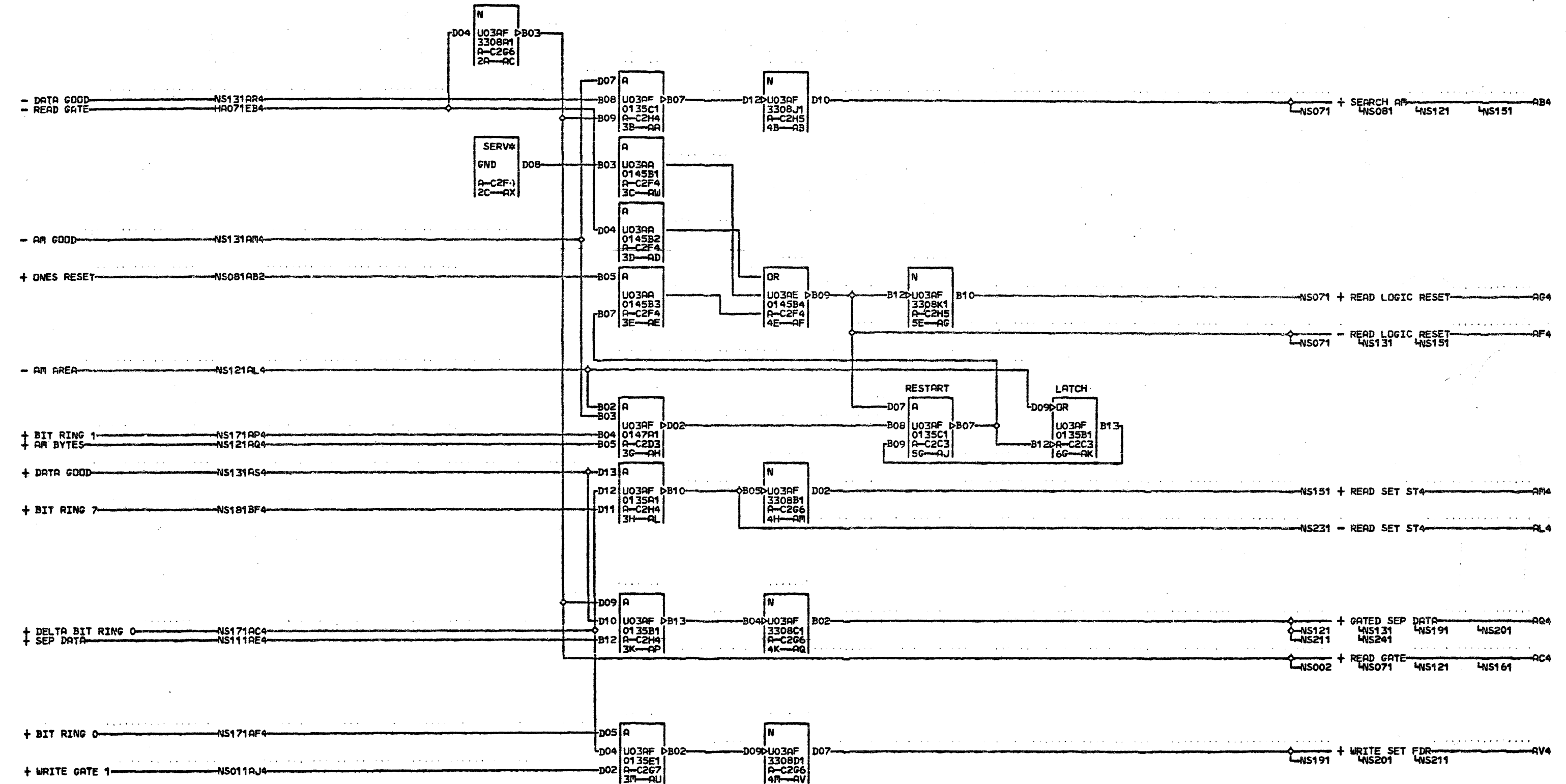


03-30-66 416120
 04-29-66 416122
 03-27-67 420901
 10-14-68 420949

AM DETECTION PAGE 2
 DATE 10-31-68 MACH. 2314-FCU
 LOG 288P FRAME 01
 P.No. 2209471
 IBM CORP. SDD BLK. CD

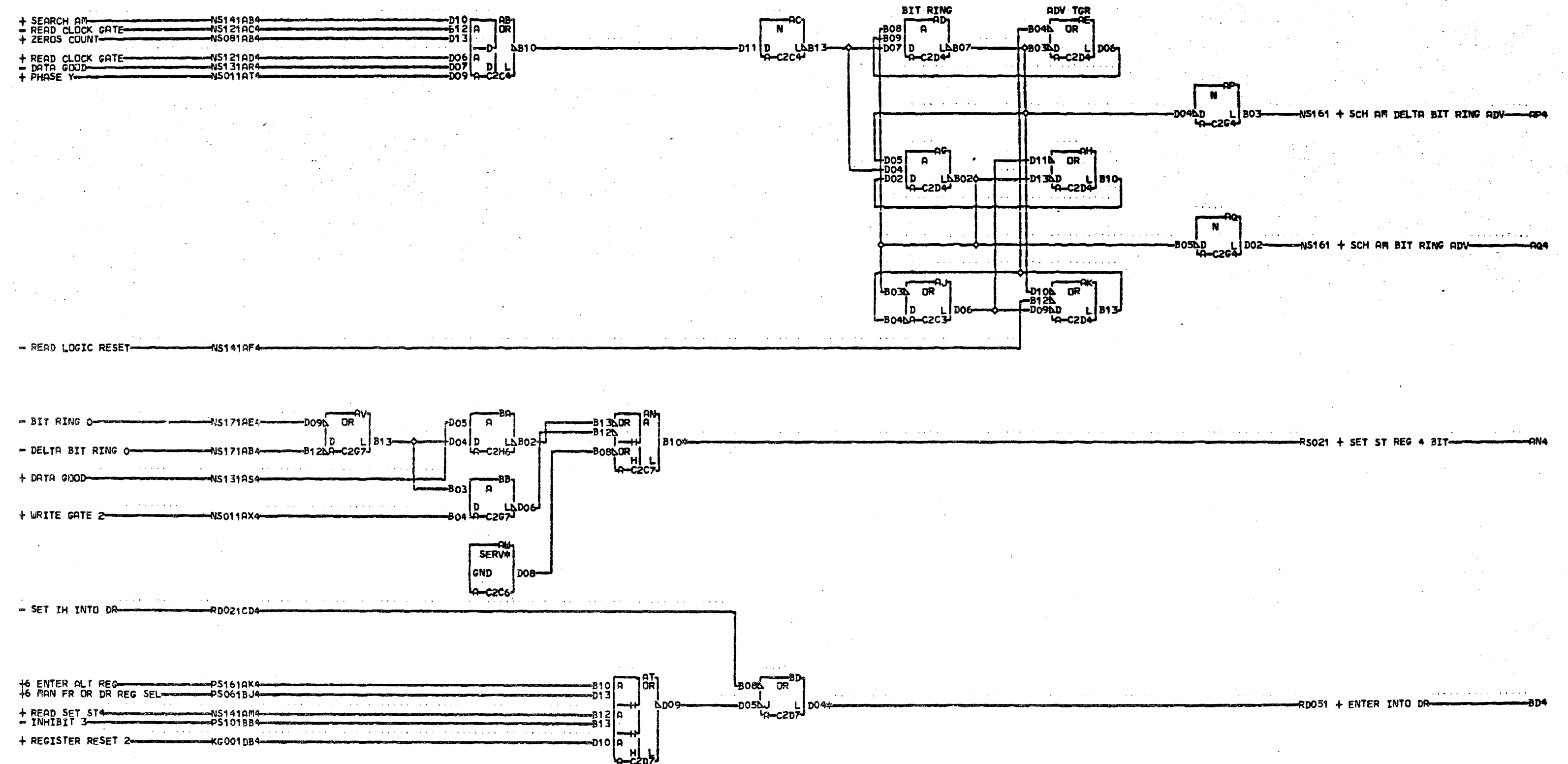
NS
 131
 000

NS
 131
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03-30-66 416120
 10-07-66 416130
 12-22-66 420637
 03-27-67 420901
 10-14-68 420949

READ LOGIC-SEARCH AM				N S 1 4 1 000
SET FDR-SET DR				
DATE	10-31-68	MACH.	2314-FCU	
LOG	2906	FRAME	01	
P.No. 2209472				
IBM CORP. SDD BLK.				FZ

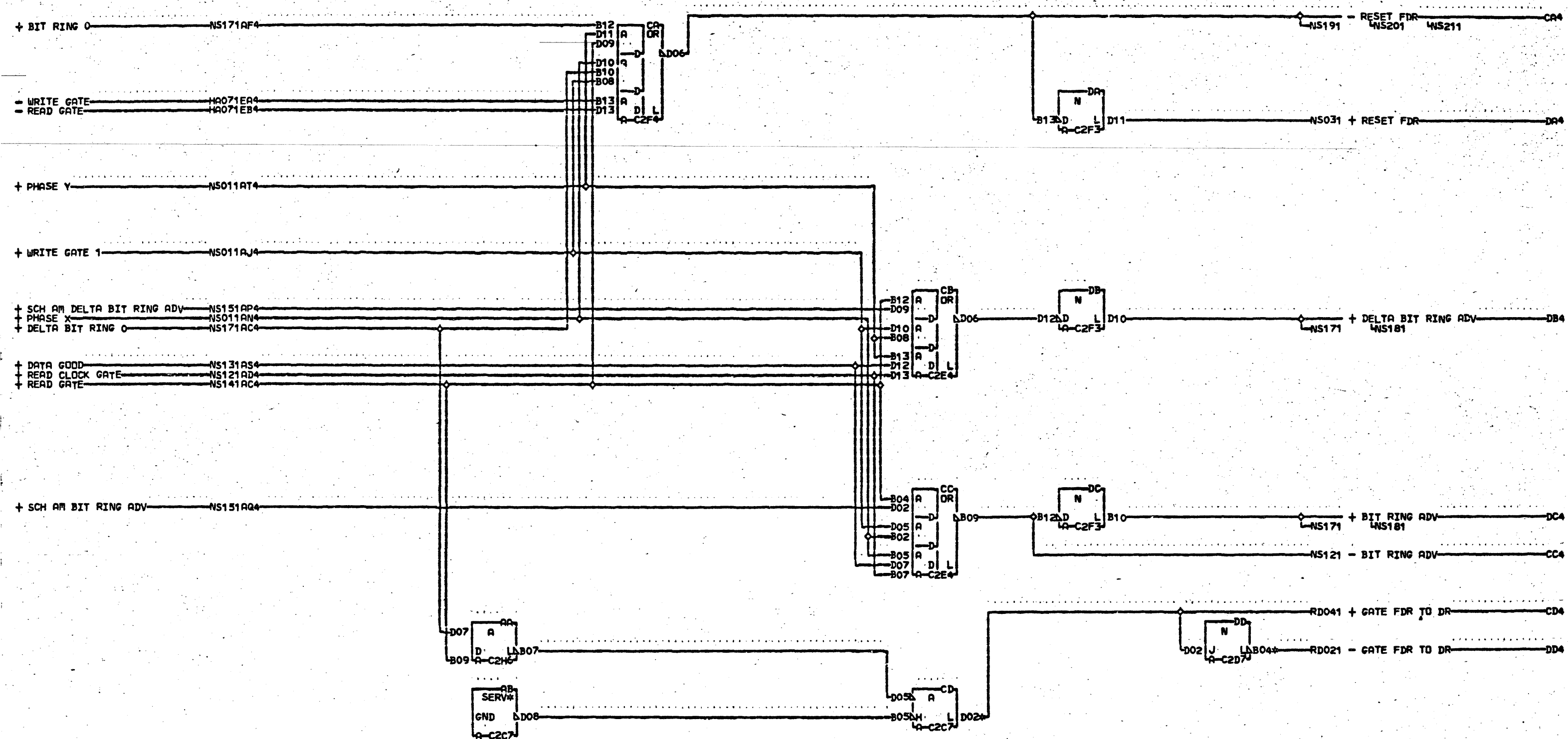


AN4 A-C2A6B02
 01A-B3A6B02
 01A-B3A7B02
 01A-B1N6B02
 BD4 A-C2A6B07
 01A-B3A6B07

LOC. TYPE
 A-C2C3 0135
 A-C2C4 0143
 A-C2C7 0006
 A-C2D4 0135
 A-C2D7 0212
 A-C2G4 3308
 A-C2G7 0135
 A-C2H6 0135

BIT RING ADV TRIG
 STH AND DR REG SETS
 E.C. HISTORY MACH-2314-FCU
 FRAME 01
 IBM CORP. SDD
 P.No. 2209473
 DATE LAST EC
 03-30-66 416120

NS151
 000



CD4 A-C2A7D12
 01A-B3A2D12
 DD4 A-C2A6B08
 01A-B3A6B08

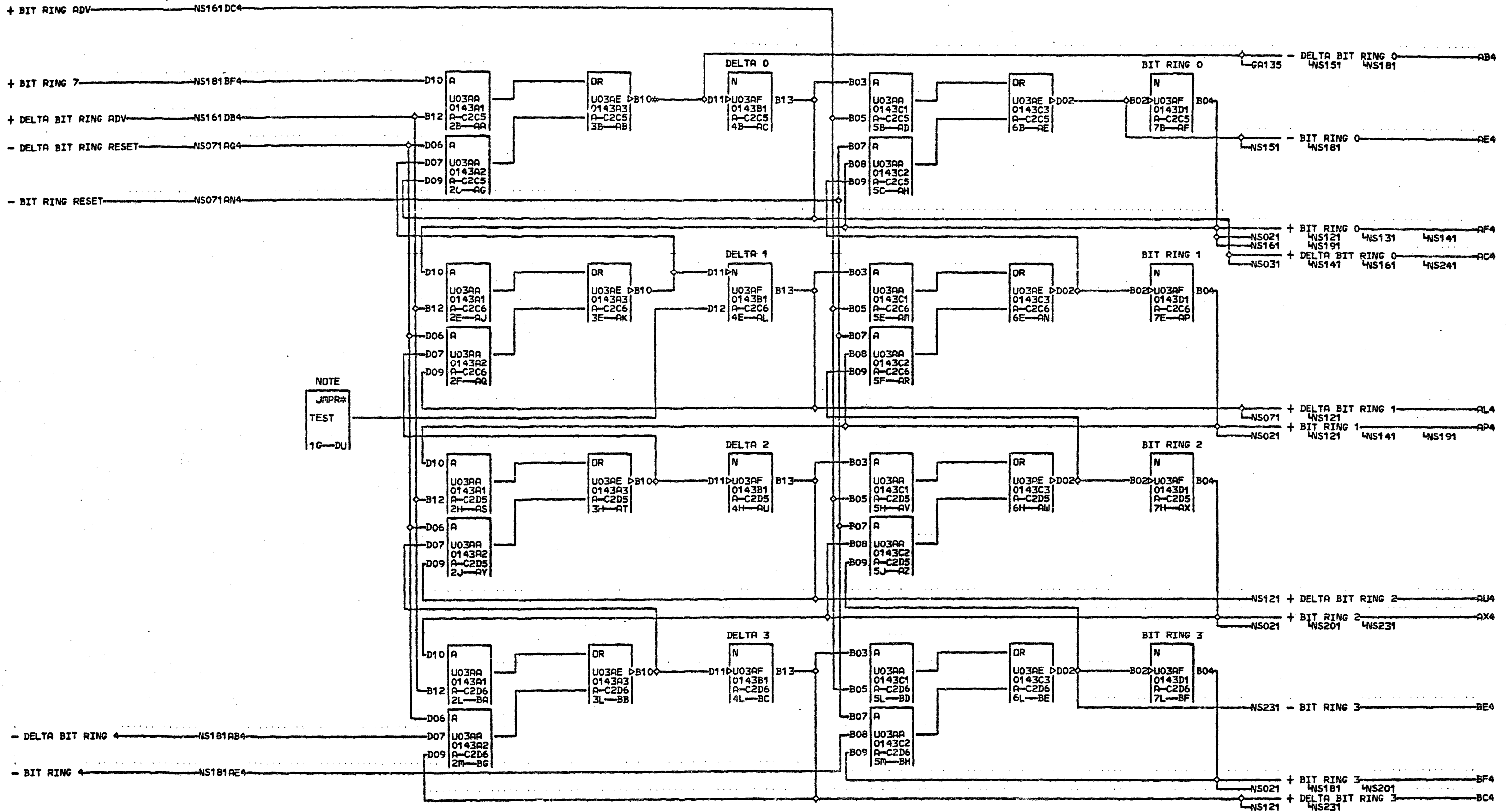
LOC. TYPE
 A-C2C7 0006
 A-C2D7 0212
 A-C2E4 0145
 A-C2F3 3308
 A-C2F4 0145
 A-C2H6 0135

RESET FDR-RING ADV	
E.C. HISTORY	MACH. 2314-FCU
416120	FRAME 01
DATE	IBM CORP. SDD
06-16-67 420908	P.N. 2209474

NS161

000

1

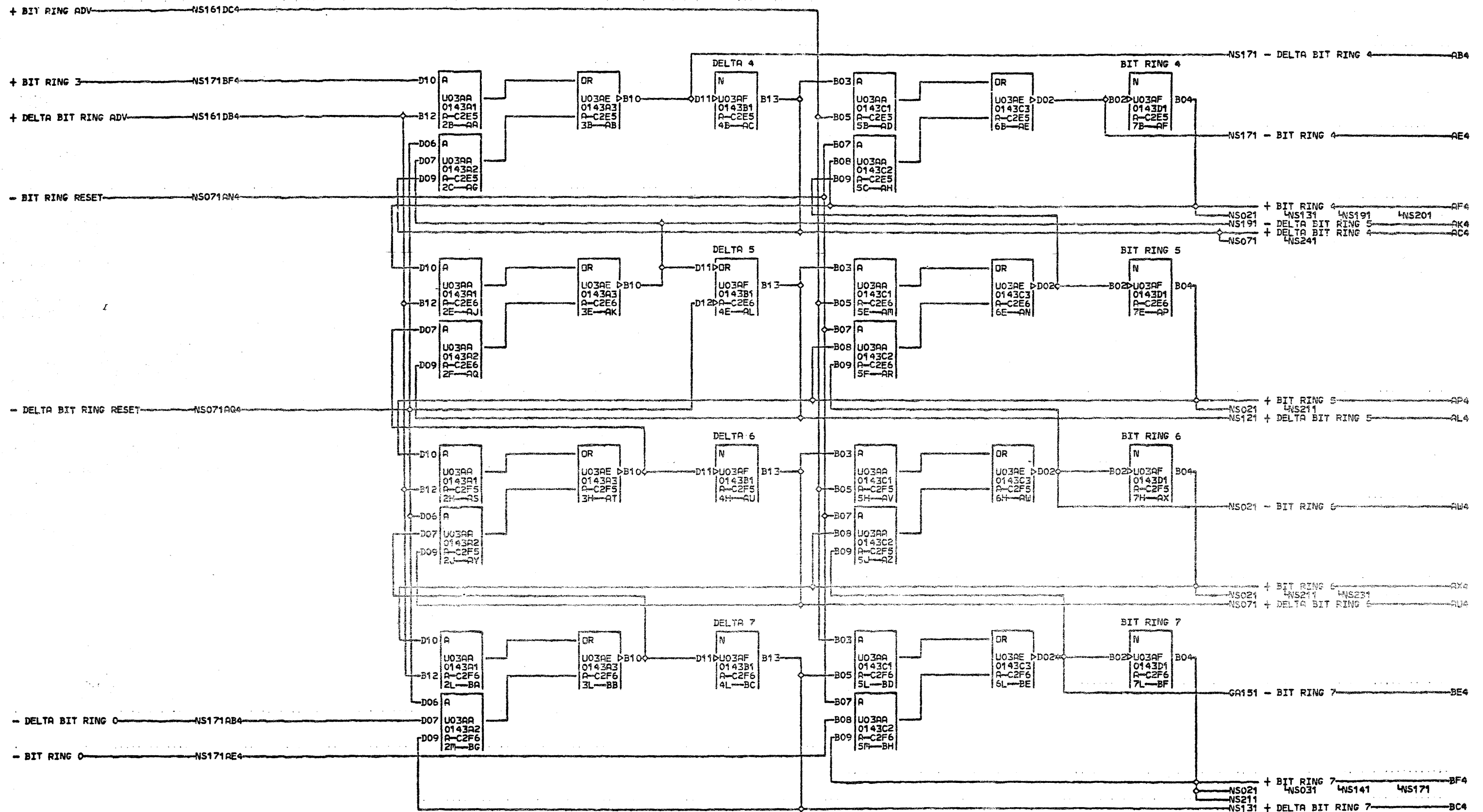


NOTE. C6D12 IS JUMPERED TO
GND ONLY WHEN ADJUSTING
THE VFO.

AB4 A-C2C8A06
01A-C3C1A11

03-30-66	416120
07-05-66	416125
10-07-66	416130
10-24-66	416131
04-26-68	420946
10-14-68	420949

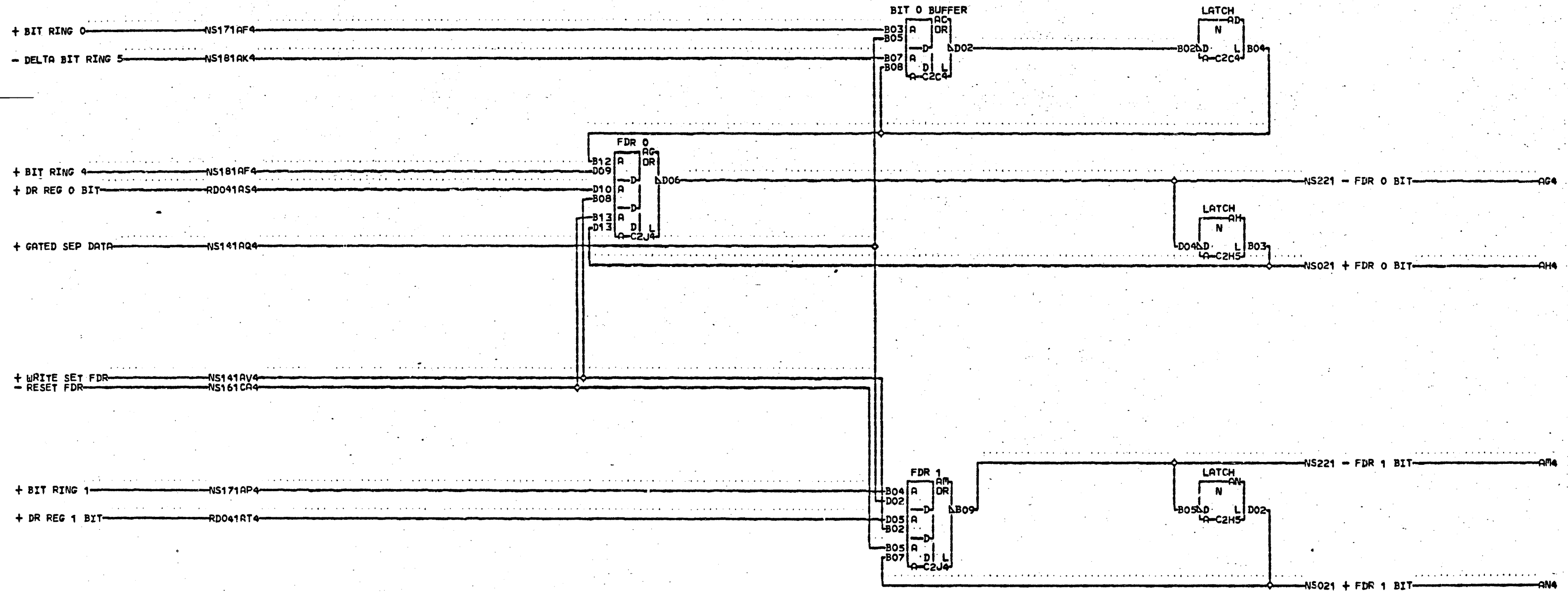
BIT RING		N S 1 7 1 000
POSITIONS 0 THRU 3		
DATE	10-31-68 MACH. 2314-FCU	
LOG	288P FRAME 01	
P.N. 2209475		
IBM CORP.	SDD BLK.	DV



BE4 A-C2C8B04
01A-C3C1B09

03-30-66 416120
04-26-68 420946
10-14-68 420949

BIT RING				N
POSITIONS 4 THRU 7				
DATE	10-31-68	MACH.	2314-FCU	1
LOG	288P	FRAME	01	8
		P.N.	2209476	1
IBM CORP.	SDD	BLK.	FG	000

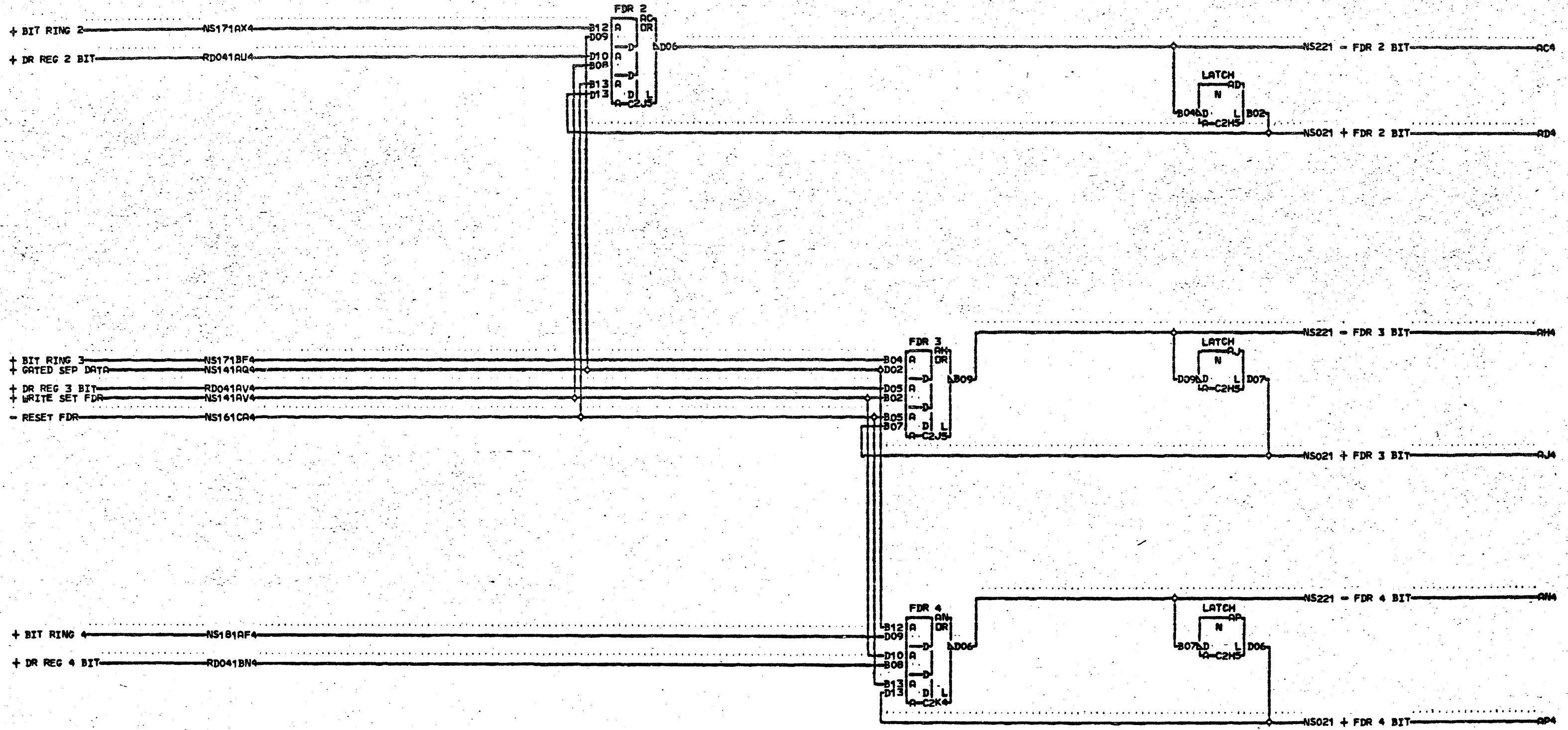


LOC. TYPE
 A-C2C4 0143
 A-C2H5 3308
 A-C2J4 0145

FDR REG BITS 0-1	
E-C-HISTORY	MACH.2314-FCU
DATE	FRAME 01
LAST EC	IBM CORP. SDD
03-30-66 416120	P.N. 2209477

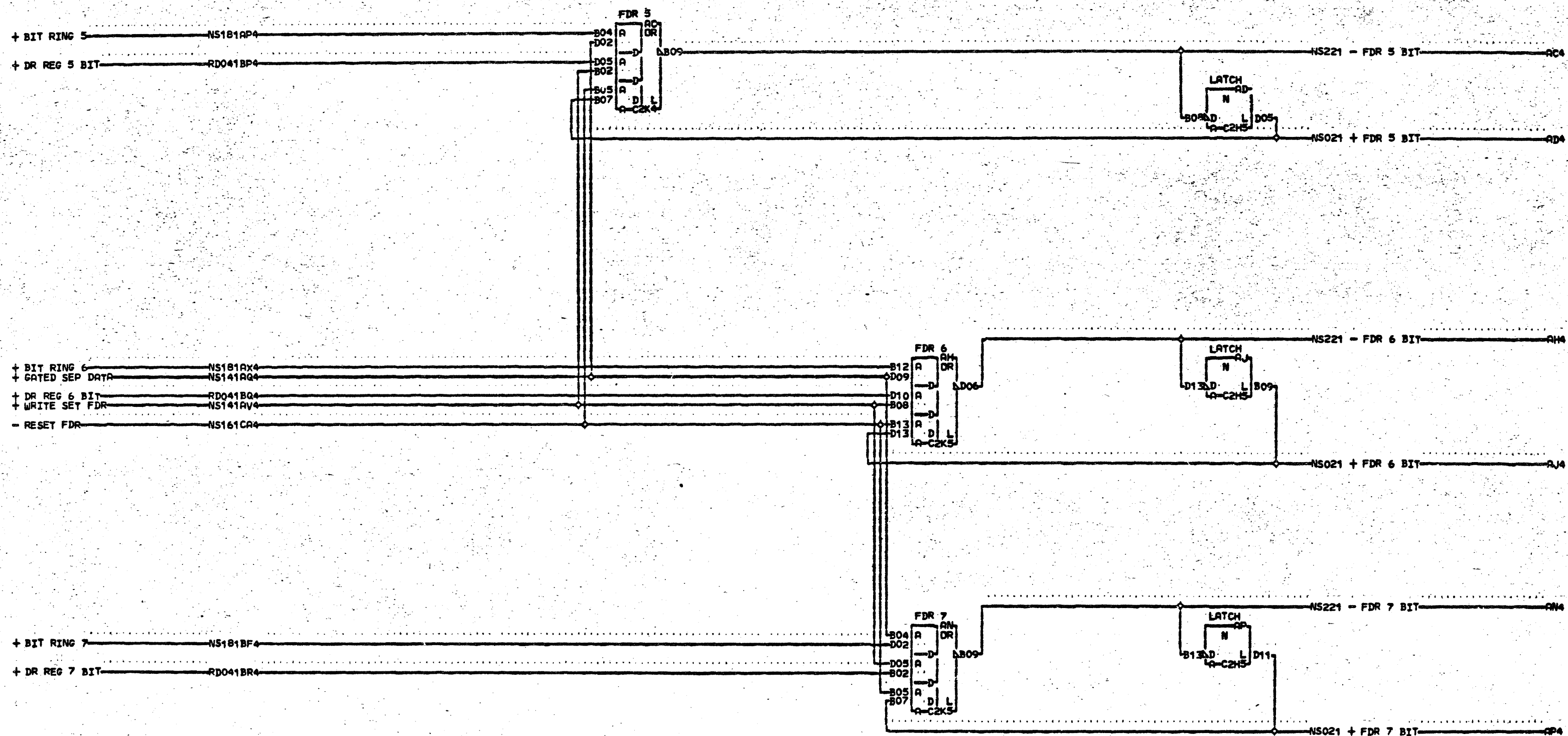
NS191

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LOC. TYPE
A-C2H5 3308
A-C2J5 0145
A-C2K4 0145

FDR REG BITS 2 THRU 4	
E-C-HISTORY	FRAME 01
DATE 03-30-66	LAST EC 416120
IBR CORP. SDD	
P.N. 2209511	

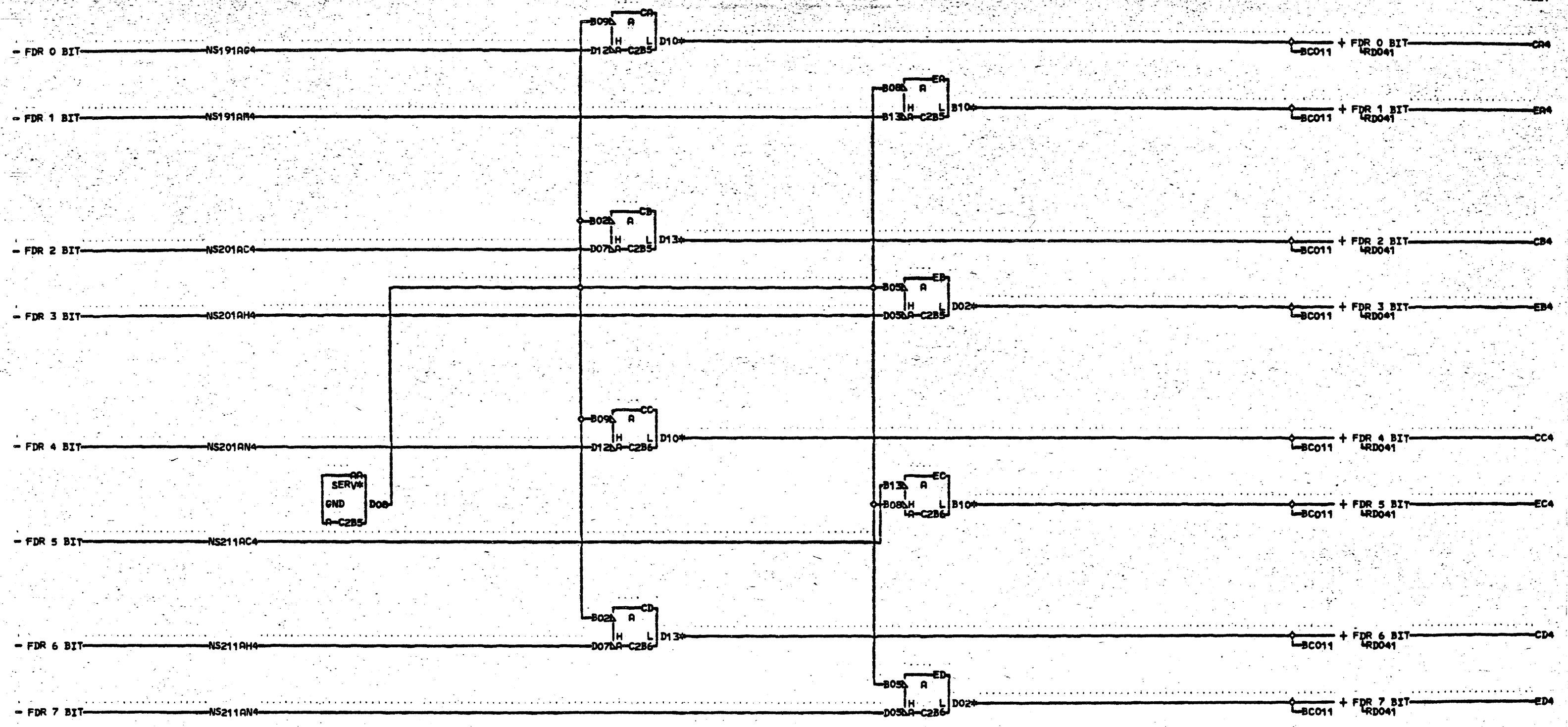


LOC. TYPE
A-C2H5 3308
A-C2K4 0145
A-C2K5 0145

FDR REG BITS 5 THRU 7	
E-C-HISTORY	MACH-2314-FCU
DATE	FRAME 01
LAST EC	IBM CORP. SDD
03-30-66 416120	P.No. 2209478

NS211

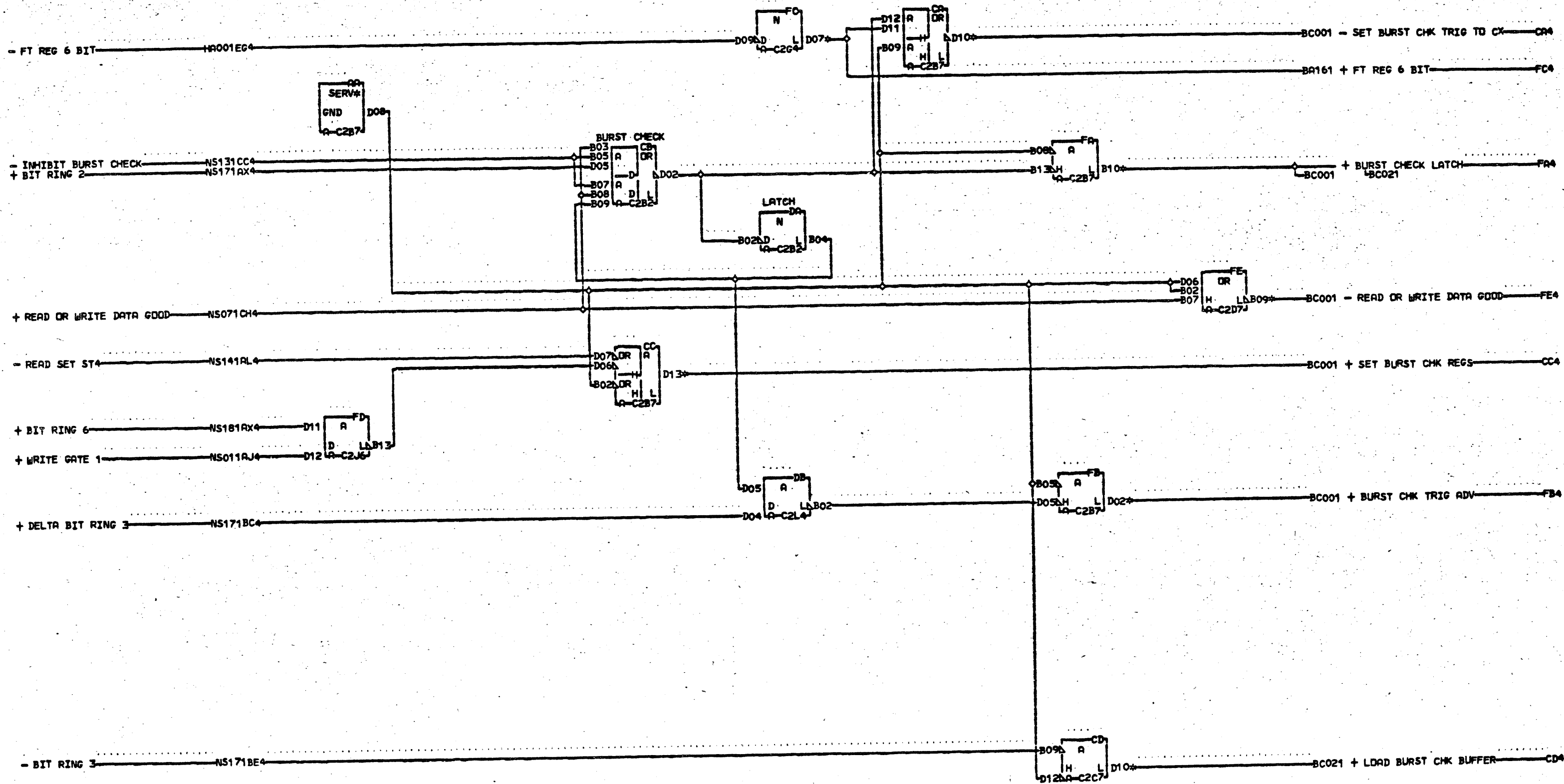
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CA4 A-C2A7B02 01A-B3A2D02
01A-B3A2B02 EB4 A-C2A7B04
CB4 A-C2A7B03 01A-B3A2B04
01A-B3A2B03 EC4 A-C2A7B05
CC4 A-C2A7D04 01A-B3A2B05
01A-B3A2D04 ED4 A-C2A7D06
CD4 A-C2A7D05 01A-B3A2D06
01A-B3A2D05
EA4 A-C2A7D02

LOC. TYPE
A-C2B5 0006
A-C2B6 0006

FILE DATA REGISTER CONVERSION	
E-C-HISTORY	ACH-2314-FCU
DATE	LAST EC
03-30-66	416120
IBN CORP. SDD	P.N. 2209479
000	000

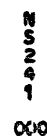


CA4 A-C2A6B10 01A-B3A6D12
 01A-B3A6B10 FC4 A-C2A6D06
 CC4 A-C2A6B12 01A-B3A6D06
 01A-B3A6B12 FE4 A-C2A6D11
 CD4 A-C2A6B13 01A-B3A6D11
 01A-B3A6B13
 FA4 A-C2A6D10
 01A-B3A6D10
 FB4 A-C2A6D12

LDC TYPE
 A-C2B2 0143
 A-C2B7 0006
 A-C2C7 0006
 A-C2D7 0212
 A-C2G4 3308
 A-C2J6 0143
 A-C2L4 0135

BURST CHECK CONTROLS
 E.C. HISTORY RACH-2314-FCU
 416120 FRAME 01
 416122
 416126 IBM CORP. SDD
 DATE LAST EC P.No. 2209480
 10-24-66 416131

MIN 1 000



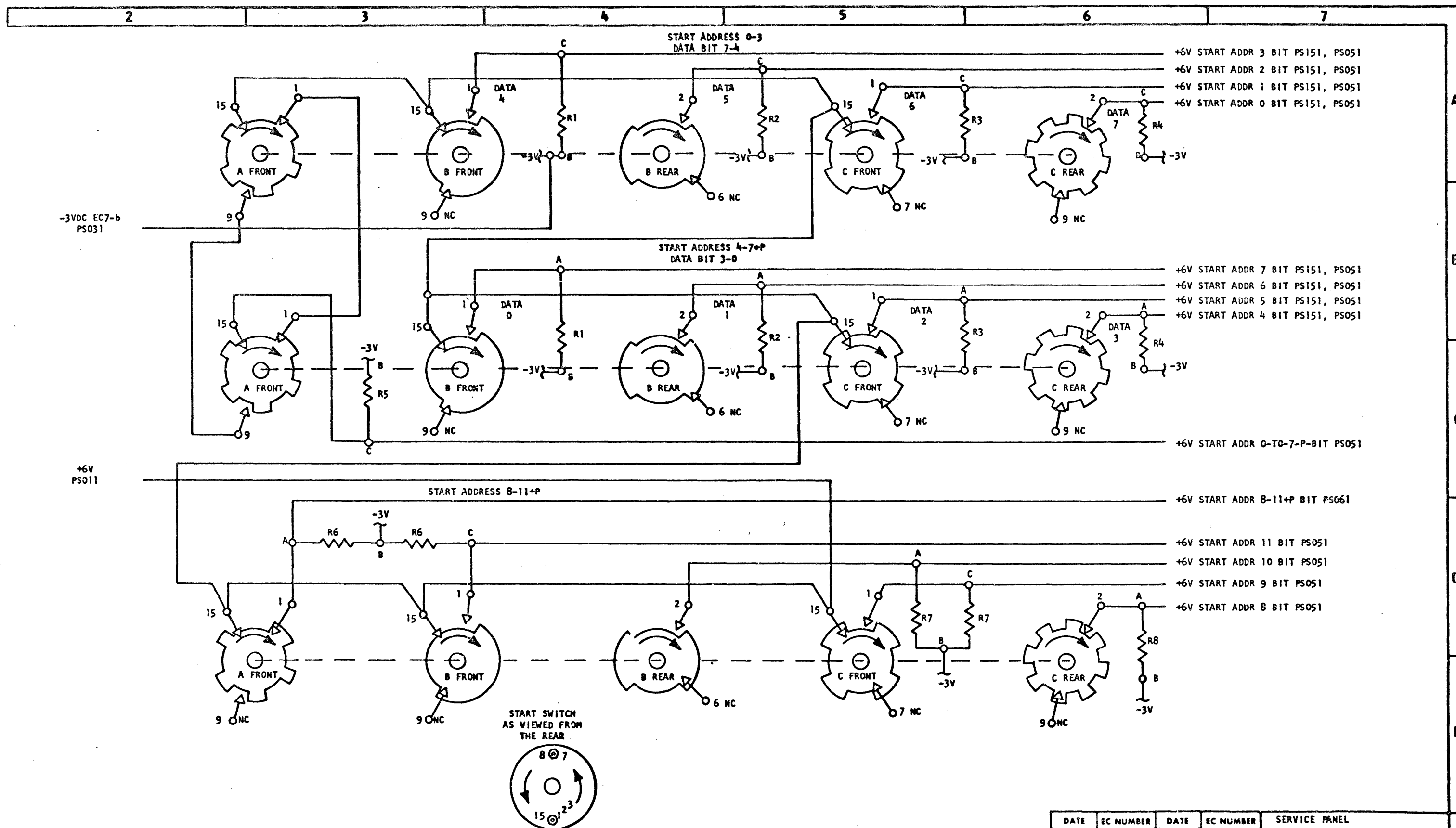
0510

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ADVANCE RESET BC REGISTER
DATE 10-31-68 MACH. 2314-FCU
LOG A176 FRAME 01
P.N. 2261323
IBM CORP. SDD BLK. EE

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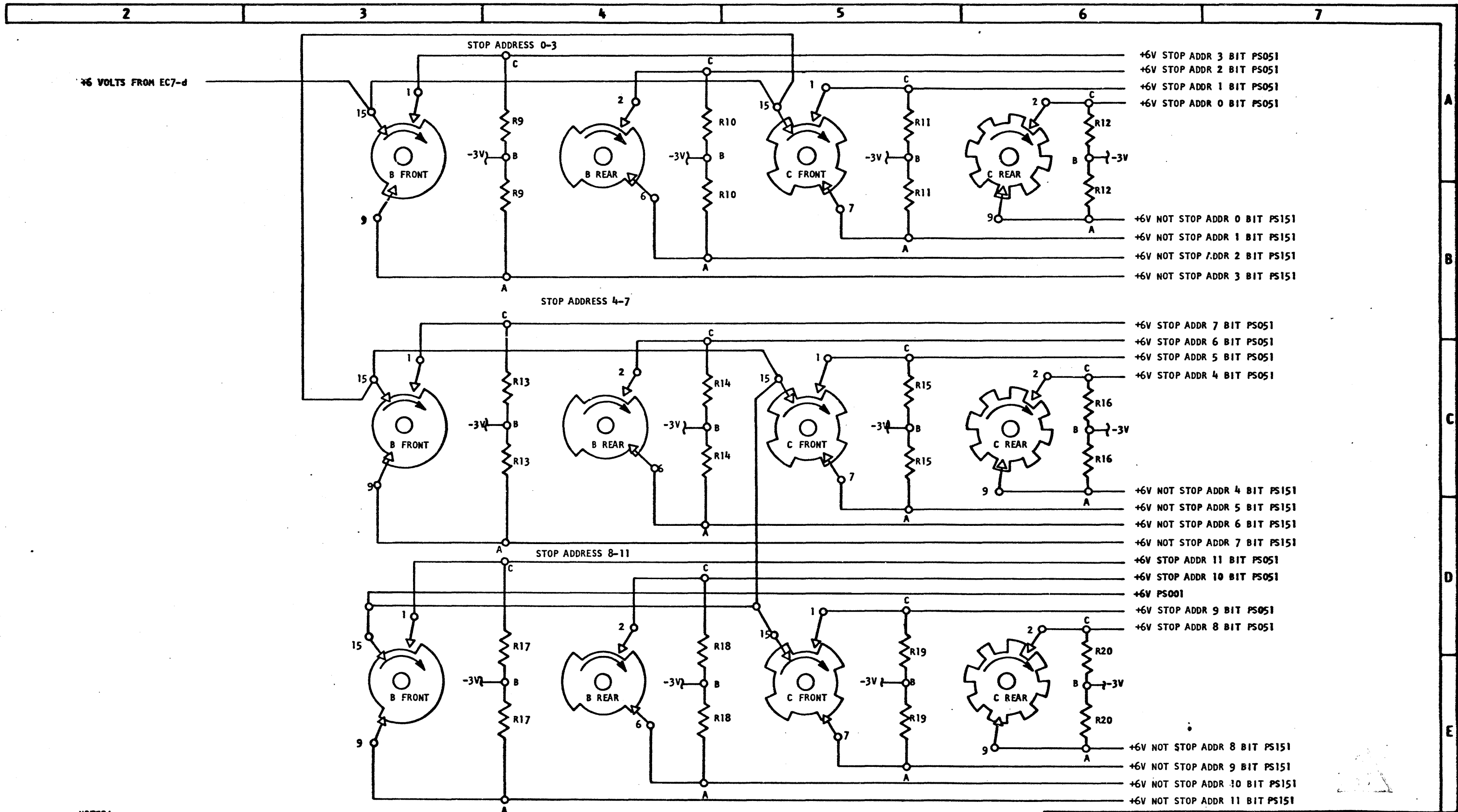
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NOTES:

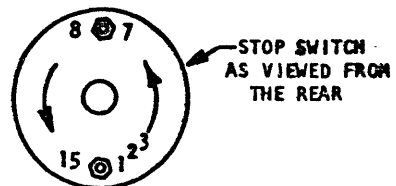
- ALL RESISTORS 180Ω 1 WATT UNLESS OTHERWISE NOTED. ROTORS ON FRONT AND REAR OF WAFERS B & C CONNECTED INTERNALLY. SWITCHES SHOWN AS VIEWED FROM KNOB END AND IN POSITION ZERO. WAFER "A" IS CLOSEST TO PANEL. CLOCKWISE ROTATION SHOWN BY ARROW.

DATE	EC NUMBER	DATE	EC NUMBER	SERVICE PANEL			
APR 66	416034			DATE	4-28-66	P/N	2205801
SEPT 66	416126					TYPE	2314
				IBM		PS001	

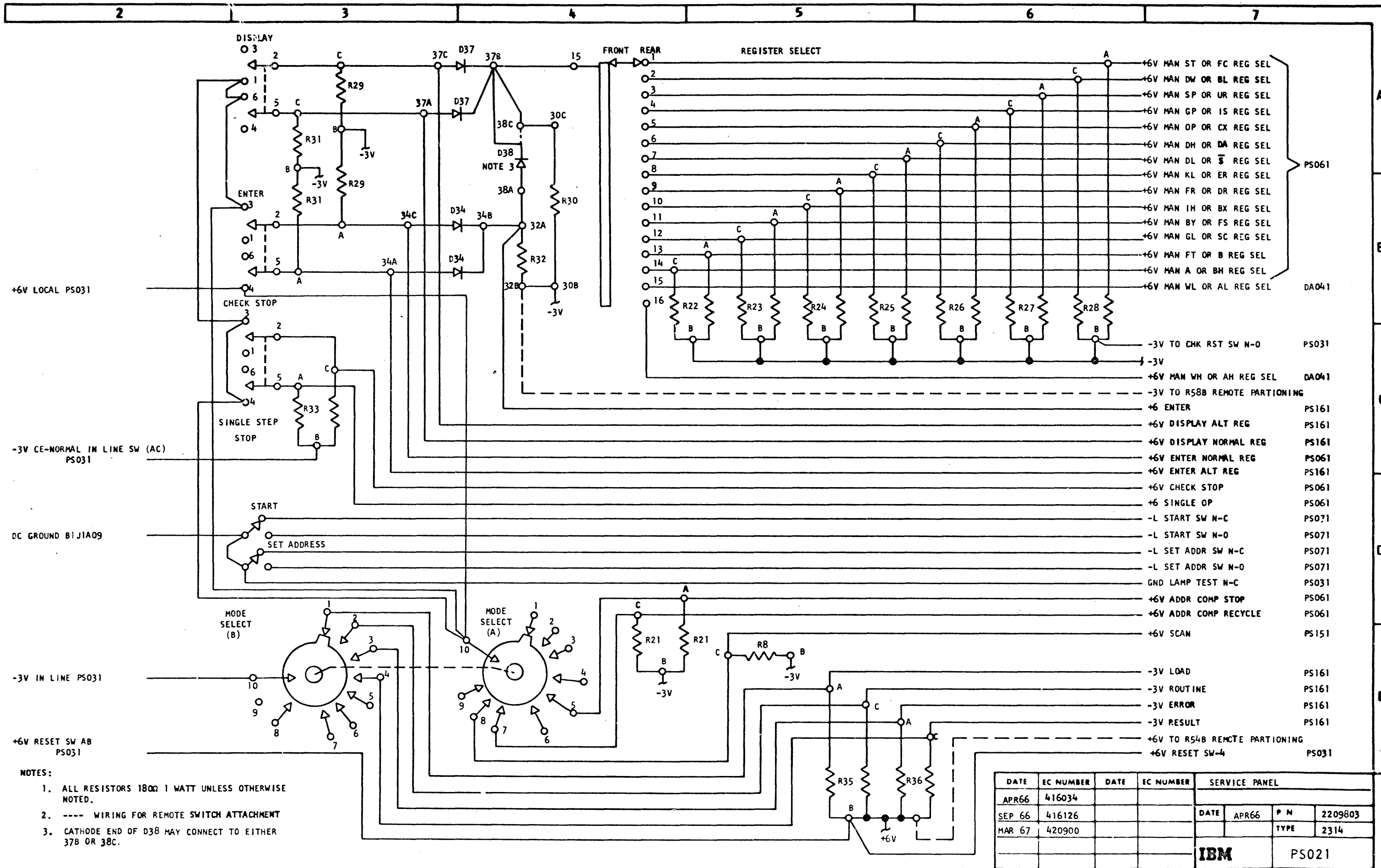


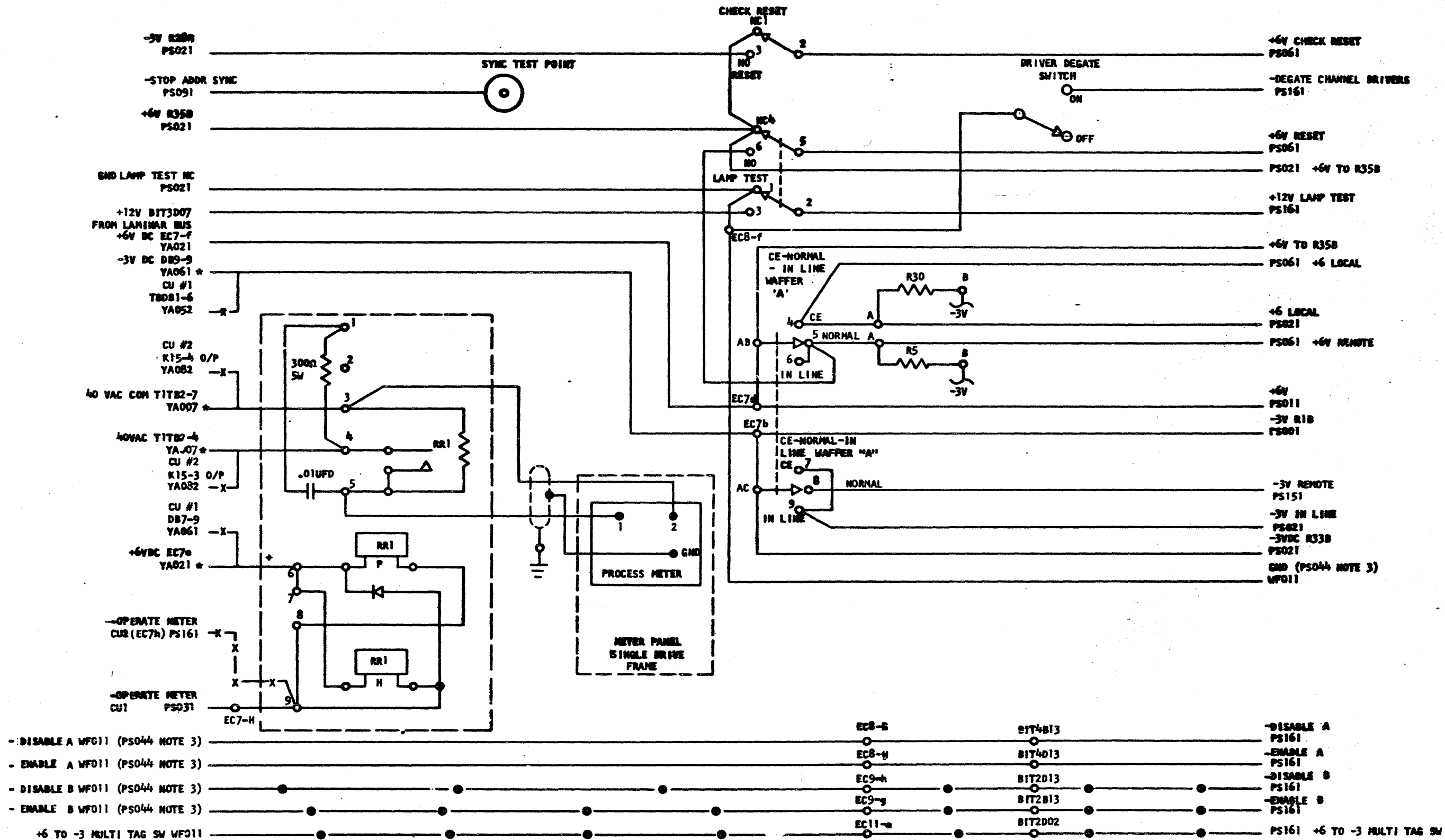
NOTES:

1. ALL RESISTORS 180Ω 1 WATT UNLESS OTHERWISE NOTED. ROTORS ON FRONT AND REAR OF WAFERS B & C CONNECTED INTERNALLY. SWITCHES SHOWN AS VIEWED FROM KNOB END AND IN POSITION ZERO. WAFER "A" IS CLOSEST TO PANEL. CLOCKWISE ROTATION SHOWN BY ARROW.



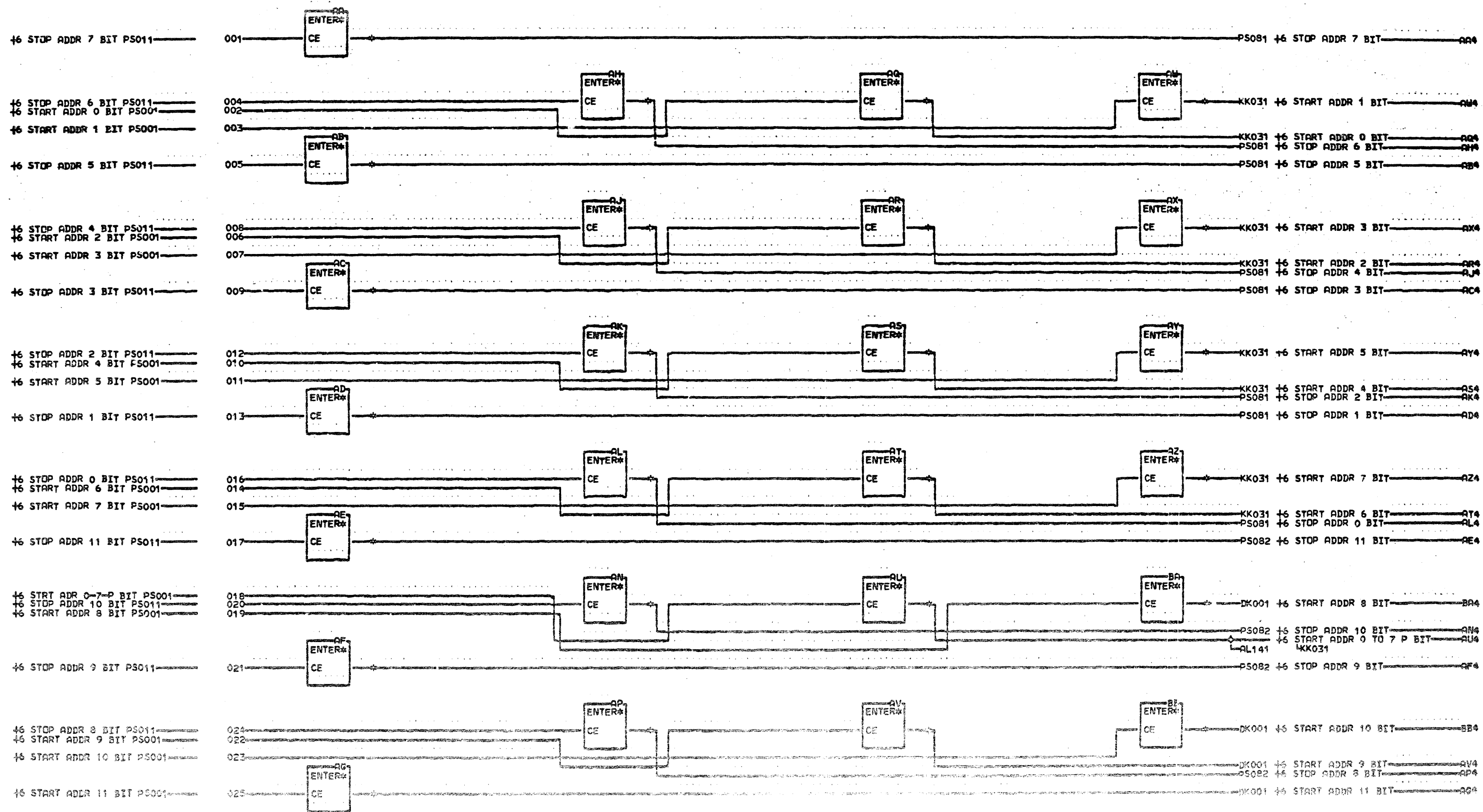
DATE	EC NUMBER	DATE	EC NUMBER	SERVICE PANEL		
APR 66	416034			DATE	4-28-66	P/N 2209802
SEP 66	416126				TYPE	
				IBM PS011		





- NOTES:
1. —●— 2 CHANNEL SWITCH FEATURE AND REMOTE SWITCH FEATURE WIRING.
 2. —X— AUX STORAGE CONTROL FEATURE
 3. THIS LINE GOES TO PS044 AND NOT WF011 IF THE REMOTE SWITCH ATTACHMENT FEATURE IS INSTALLED.

DATE	EC NUMBER	DATE	EC NUMBER	SERVICE PANEL 6 PROC			
APR 66	416034	MAY 67	420668	METER			
JUNE 66	416124	SEPT 67	420907	DATE	NOV 65	P/N	2209804
JUL 66	416125A	JAN 68	420919			TYPE	2314
SEP 66	416126			IBM		PS031	
JAN 67	420637						



000 A-C1E1E11 AK4 A-C1E1B11 01A-C1N7B02
 004 A-C1E1C09 AL4 A-C1D1E09 01A-C2N3B02
 004 A-C1E1B09 AM4 A-C1F1B11 AV4 A-C1C1B11
 004 A-C1E1A11 AP4 A-C1E1E09 AW4 A-C1B1A11
 004 A-C1F1B09 AQ4 A-C1D1E09 AX4 A-C1B1E09
 004 A-C1F1A11 AR4 A-C1E1B11 AY4 A-C1B1C09
 004 A-C1C1C11 AS4 A-C1E1C11 AZ4 A-C1B1E11
 004 A-C1E1B09 AT4 A-C1B1B09 BA4 A-C1C1A11
 004 A-C1E1C11 AU4 A-C1E1E09 BB4 A-C1C1B09

CE PANEL FEED THRU
 E.C. HISTORY MACH. 2.31-FCU
 416120
 416123 FRAME 01
 420901
 420905 IBA CORP. OPD
 DATE LAST EC
 00-02-57 420912 IP-N 2209468

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+6 START ADD B-11+P BIT PS001—
+6 MAN BY OR FS REG SEL PS021—
+6 ADDR COMP RECYCLE PS021—

```

~~46V RESET PS031~~

46 ENTER NORMAL REG PS021-----

~~46 LOCAL PS031~~

+6 MAN A OR BH REG SEL PS021—
 +6 MAN DW REG SEL PS021—

+6 MAN ST DR FC REG SEL PS021—

+6 MAN GP DR IS REG SEL PS021—

+6 PAN SP DR UR REG SEL PS021—

+6 MAN OP DR CX REG SEL PS021—

+6 MAN DH OR DA REG SEL PS021—

```

16 MAN FR OR DR REG SEL PS021—
16 MAN KL OR ER REG SEL PS021—

```

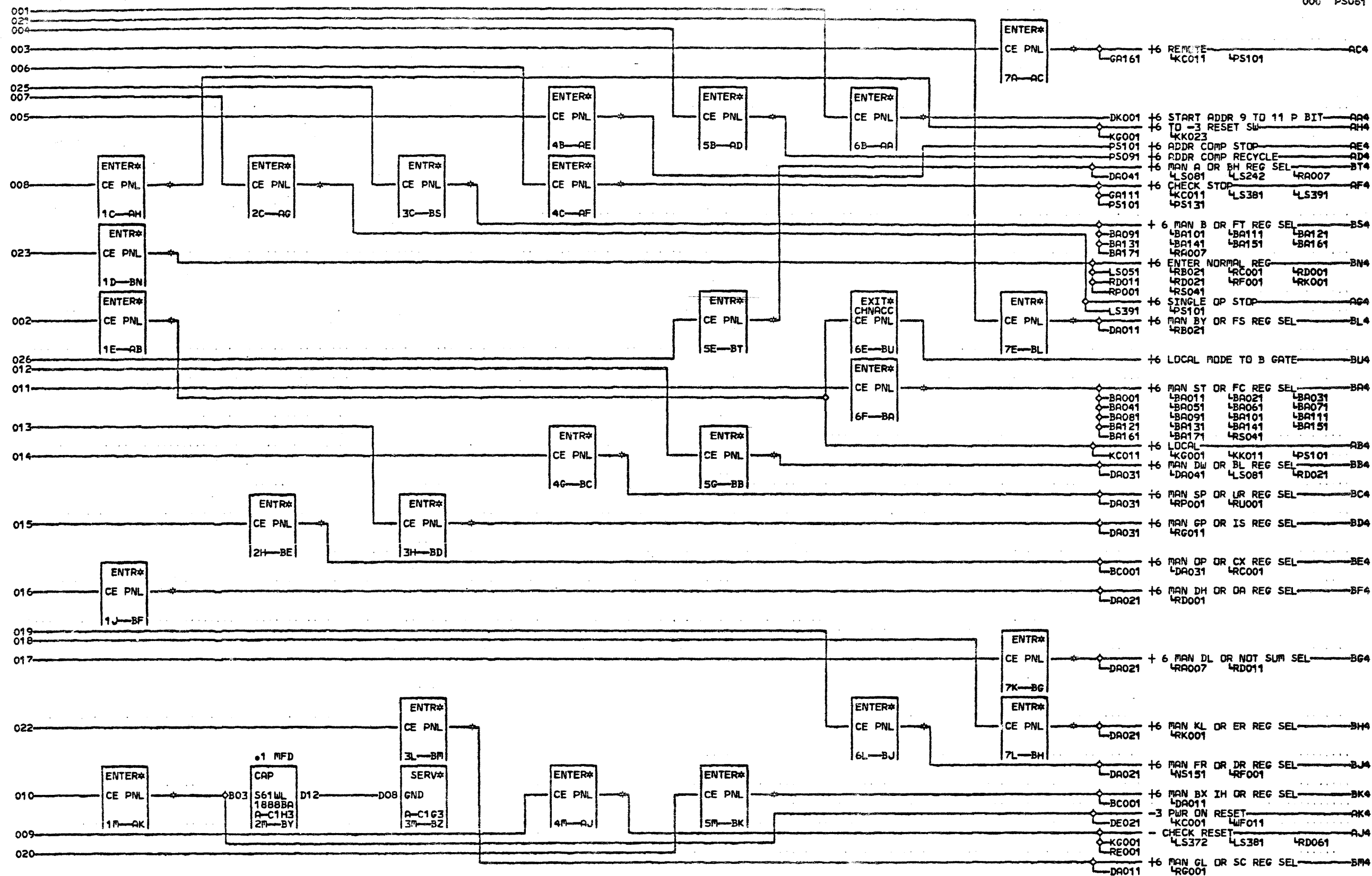
+6 MAN DL OR IE REG SEL PS021—

+6 MAN GL DR SC REG SEL PS021—

~~-3 PWR ON RESET YA021~~

~~+6V CHECK RESET PS031~~

+6 MAN IH OR BX REG SEL PS021—



000
PS064

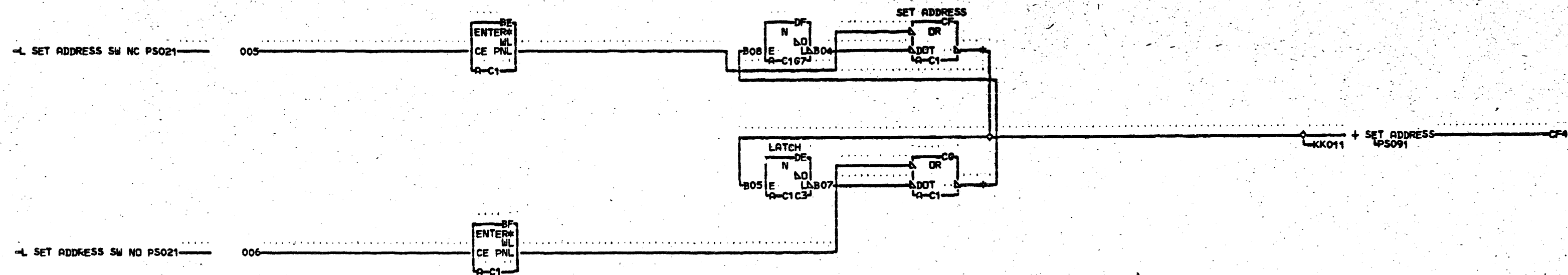
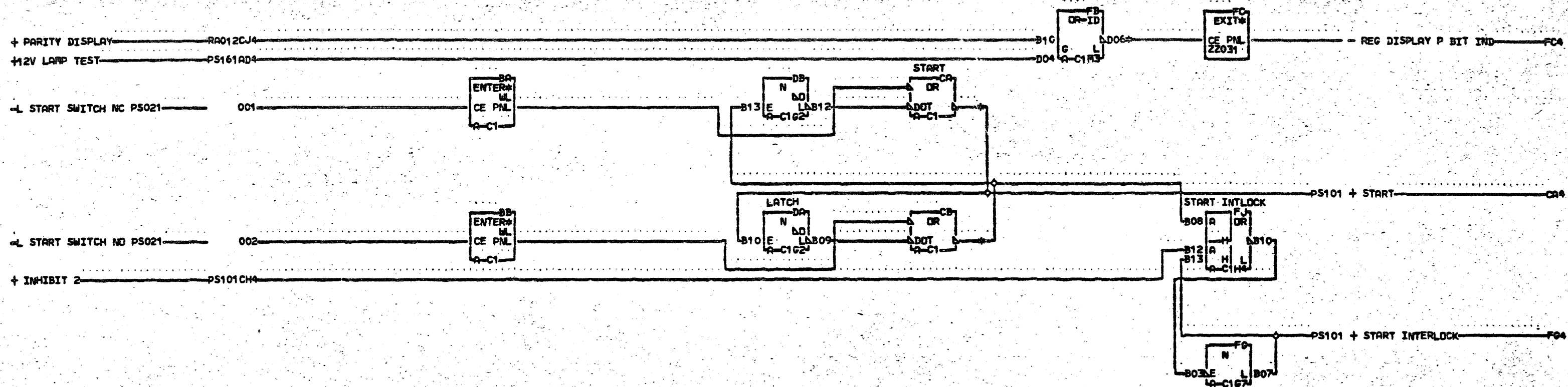
[illegible]

10-04-68 420948
10-14-68 420949

CE PANEL FEED THRU B1

DATE	10-31-68	MACH.	2314-FCU
LOG	288P	FRAME	01
	P.N.	2209489	
IBM CORP.	GPD	BLK.	CA

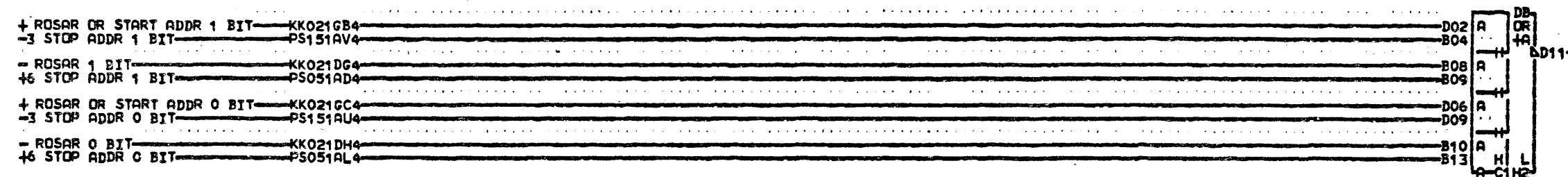
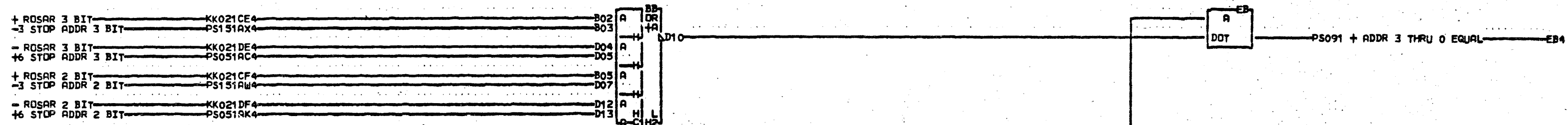
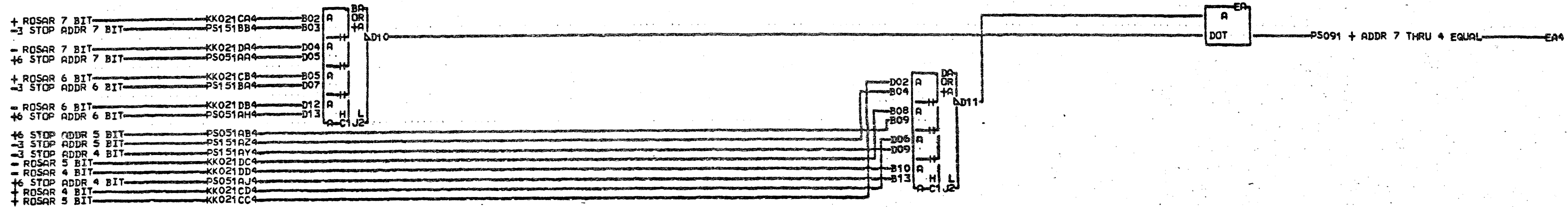
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CR4 A-C1F1C09
 CB4 A-C1F1D09
 CF4 A-C1G1A11
 CG4 A-C1G1A09
 FB4 A-C1F1C11

LOC. TYPE
 A-C1C3 4281
 A-C1G2 0347
 A-C1G7 0347
 A-C1H4 0006
 A-C1F3 0730

CE START AND SET ADDRESS SWITCHES	
E.C. HISTORY 416120	MACH. 2314-FCU
DATE 05-10-66	LAST EC 416123
FRAME 01	IBR CORP. GPD
P.O. No. 2209490	

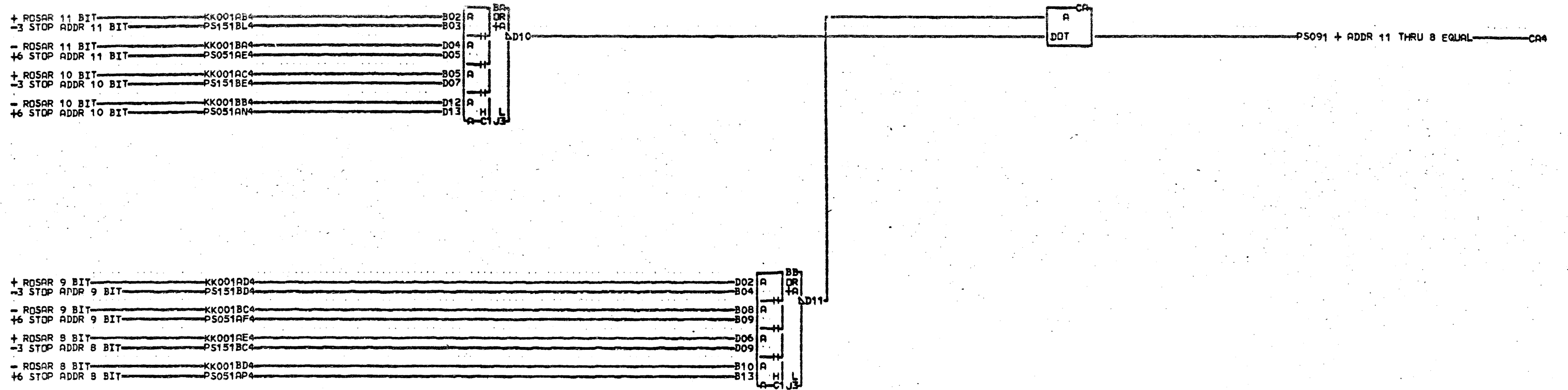


SIGNALS FROM CE PANEL SWITCHES
 ARE DIRECTLY CONNECTED TO
 P POWER SUPPLY VOLTAGES. USE
 S CAUTION IN THESE AREAS.

000

LOC. TYPE
 A-C1H2 0064
 A-C1J2 0064

STOP ADDRESS COMPARE CE PNL		P S 0 8 1
BITS 7 THRU 0		
DATE	LAST EC	P S 0 8 1
04-06-66	416120	
FRAPE 01		P S 0 8 1
IBM CORP. SDD		
P.No. 2209491		000



SIGNALS FROM CE PANEL SWITCHES
ARE DIRECTLY CONNECTED TO
POWER SUPPLY VOLTAGES. USE
CAUTION IN THESE AREAS.

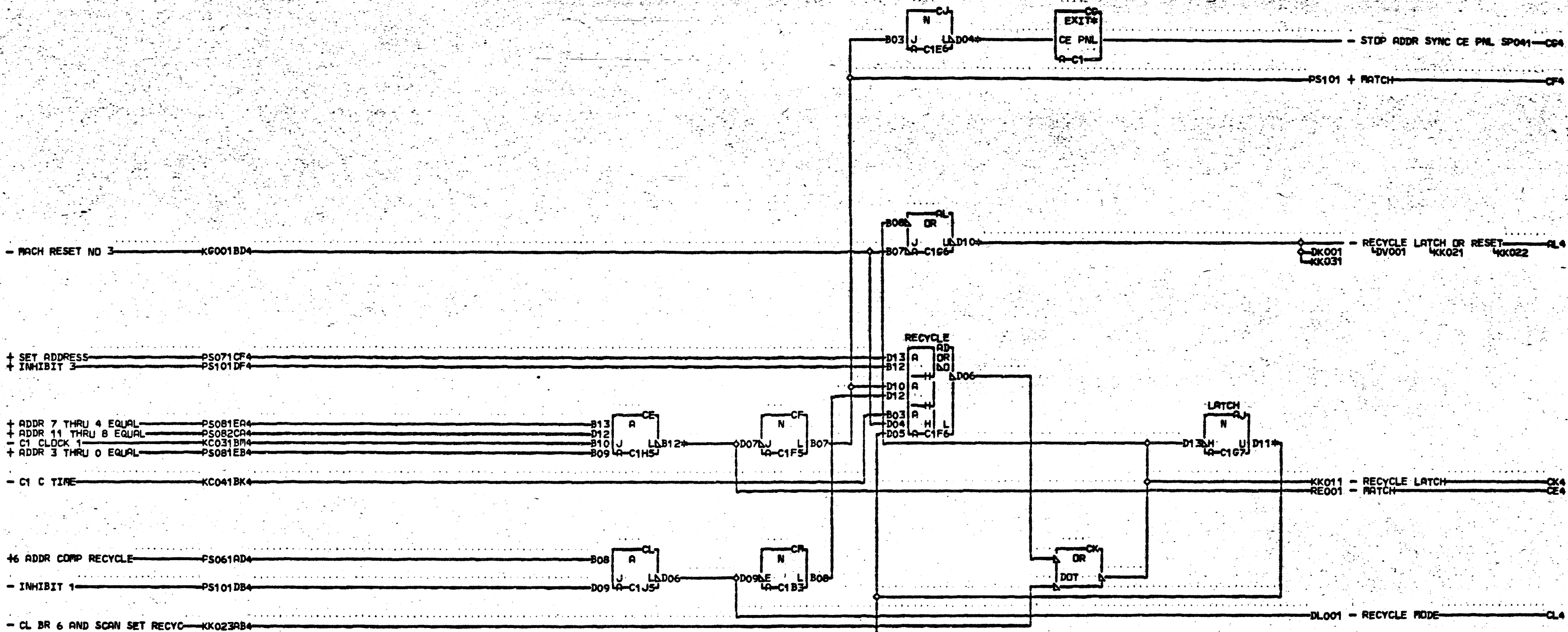
PS
08
2

000

LDC. TYPE
A-0103 0064

STOP ADDRESS COMPARE CE PM.		MACH. 2314-FCU	01
BITS 11 THRU 8			
E.C. HISTORY		FRAME	
416120		IBM CORP. SDD	
DATE LAST EC		PeN. 2209481	
05-09-66 416123		000	

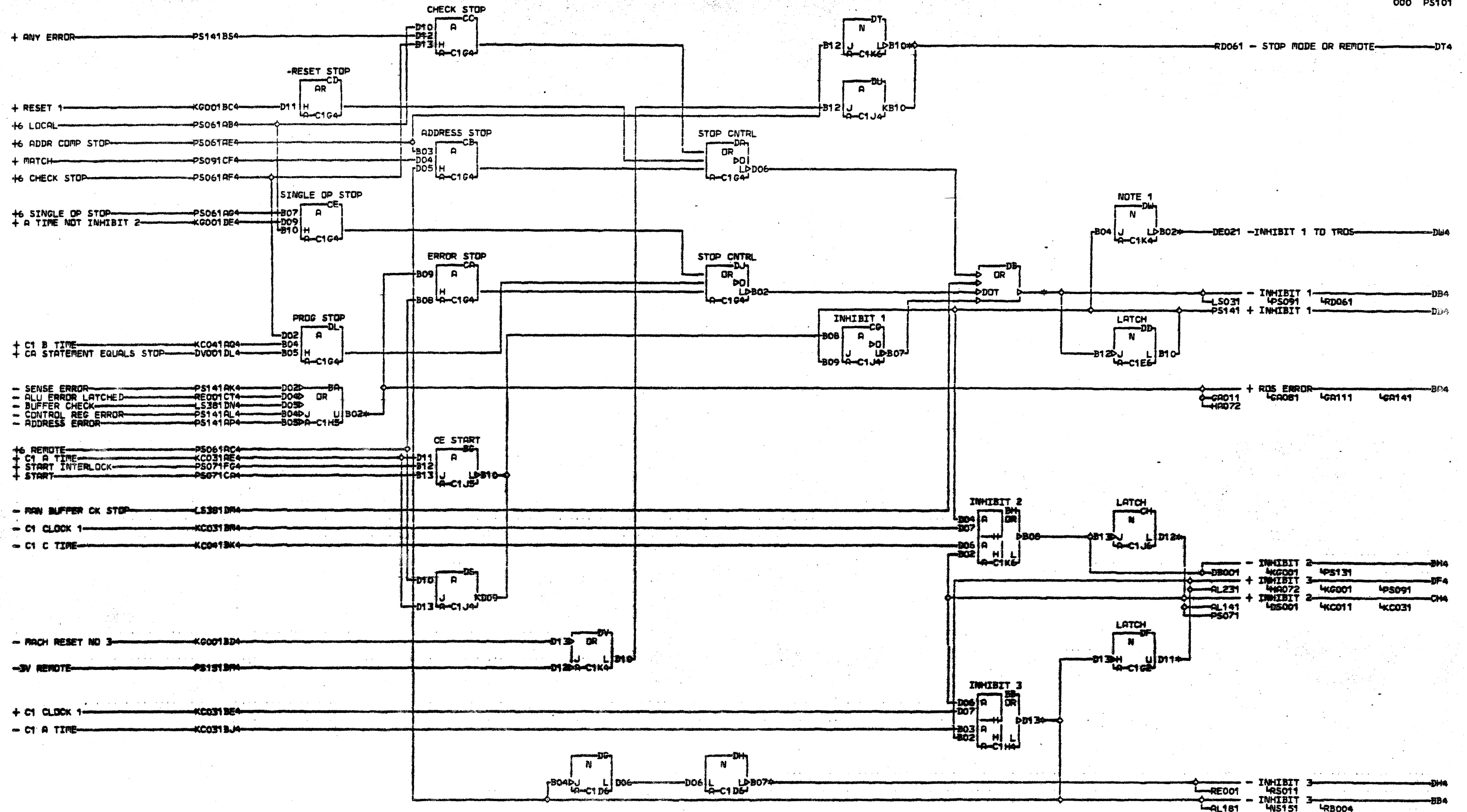
2000



AJ4 RESISTOR 01A-B1N5B12
A-C1G7D12 CJ4 A-C1D1A09
AL4 A-C1A5B06
01A-B1N5B06
RESISTOR
A-C1G6D06
AR4 RESISTOR
A-C1G6D02
CE4 A-C1A5B12

LDC TYPE
A-C1B3 4281
A-C1E6 0199
A-C1F5 0000
A-C1F6 0008
A-C1G6 4061
A-C1G7 0347
A-C1H5 0229
A-C1J3 0000

STOP ADDRESS COMPARE AND RECYC			
E-C-HISTORY	MACH#2314-FCU	DATE	LAST EC
416120	FRAME 01	04-28-66	416122
IBM CORP. GPD		P.No. 2209492	



NOTE 1. THIS NOTE APPLIES TO ALL MACHINES WITH PANEL 02A-A1 P/N 5374270. EDGE CONNECTOR 5 01A-C1N5D12 SHOWN AT DW4 IS 1 ACTUALLY AT 01A-C1E6B10 DD4 0 AND THE SIGNAL IS + INHIBIT 1 GOING TO THE TROS UNIT.

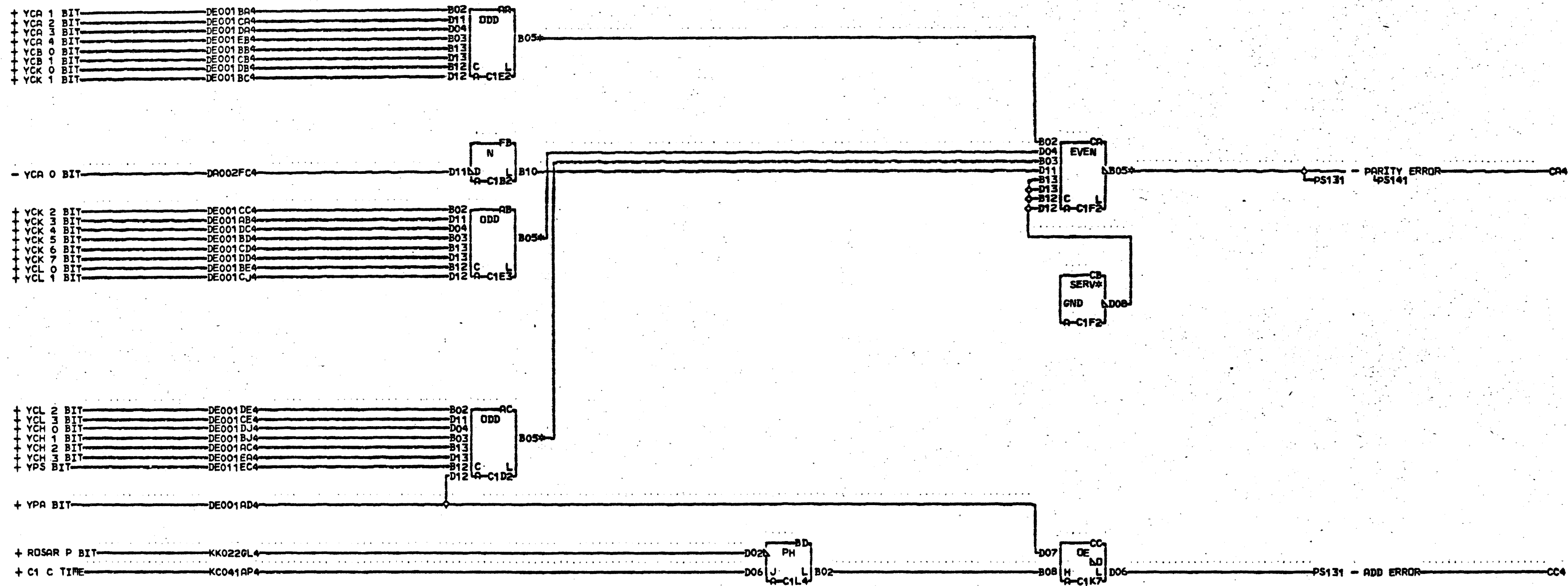
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BA4 A-C1C6E04	01A-B2N3B05	01B-A2A2B12	01A-B3A6D09	01A-B1N3B13
01A-C2C1E09	01A-C1DBA04	01A-B1A7B12	01A-C2A5D04	01A-B1A2D06
01A-C2B8E04	01A-C2D1A09	01A-B1A8B04	01A-B2N5D04	01A-B2A2D06
01A-C3B1E09	CH4 A-C1A2D05	01A-B2A1B09	01A-C1A6B07	DW4 A-C1N5D12
01A-C3A2D12	01A-B1N2D05	01A-B1N4B13	RESISTOR	
01A-B3N2D12	01A-B1A2D09	01A-C1A4B13	A-C1G2D12	
RESISTOR	01A-B2A2D09	DF4 A-C1C8C06	DH4 A-C1A3D02	
A-C1H5B03	DB4 B-A1F8C06	01A-C2C1C11	01A-B1N5D02	
BB4 A-C1N7B05	01B-A2F1C11	01A-C2A6D09	DT4 A-C1A3B13	

LOC.	TYPE	LOC.	TYPE
A-C1D6	0015	A-C1K4	0199
A-C1E6	0199	A-C1K6	0007
A-C1G2	0347		
A-C1G4	0008		
A-C1H4	0006		
A-C1H5	0229		
A-C1J4	0238		
A-C1J5	0000		
A-C1J6	3575		

INHIBIT CONTROL			
E.C.	HISTORY	MACH.	2314-FCU
416124	420637	FRAME	01
416126	420901	IBM CORP.	GPD
416129	420908		
416131	424042		
DATE	LAST EC		
04-21-69	424046	P.N.	2209493

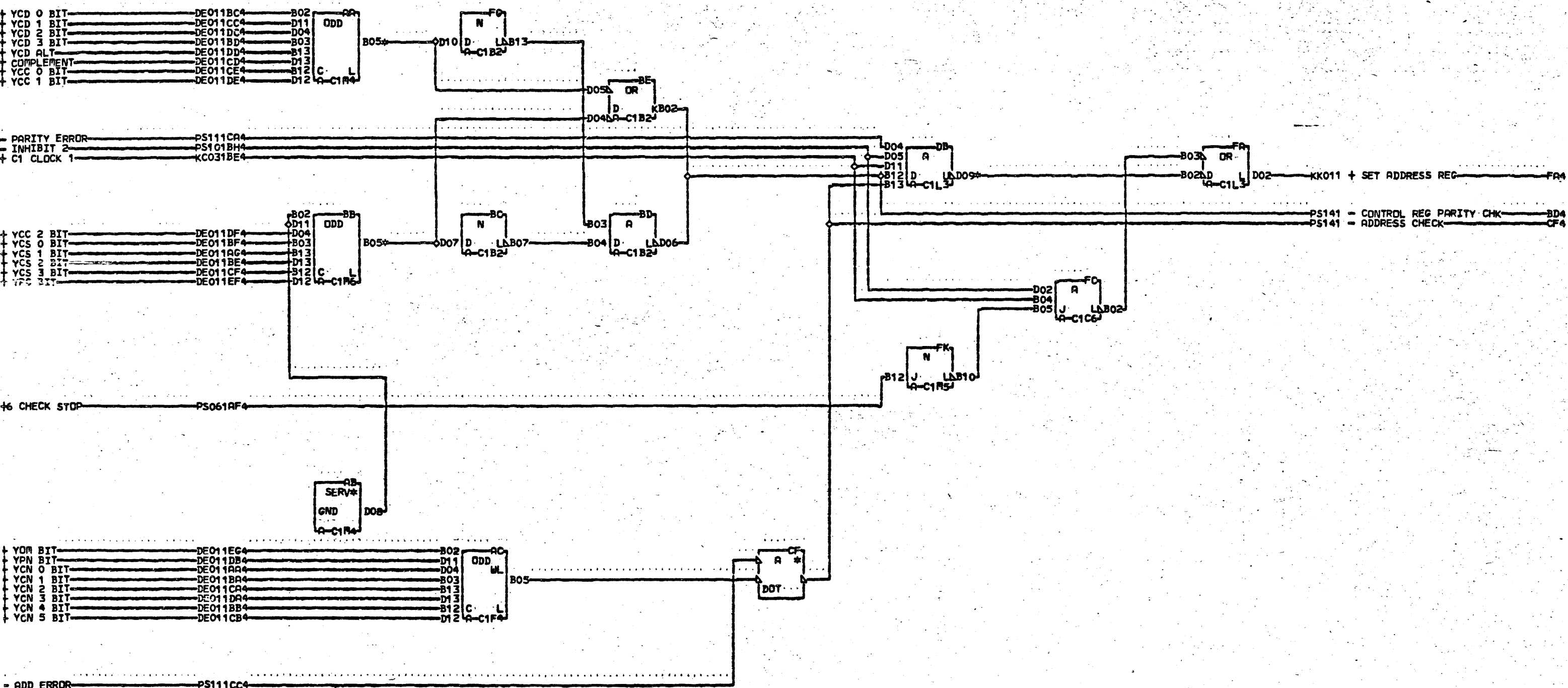
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AA4 RESISTOR
A-C1E2D02
AB4 RESISTOR
A-C1E3D02
AC4 RESISTOR
A-C1D2D02
CA4 RESISTOR
A-C1F2D02

LDC TYPE
P-C1B2 0135
P-C1D2 0511
P-C1E2 0511
P-C1E3 0511
P-C1F2 0511
P-C1K7 0243
P-C1L4 0813

SAL PARITY CHECK	
E-C-HISTORY	MACH-2314-FCU
DATE	LAST EC
03-30-66	416120
FRAME	01
IBM CORP. SDD	P.N. 2209494

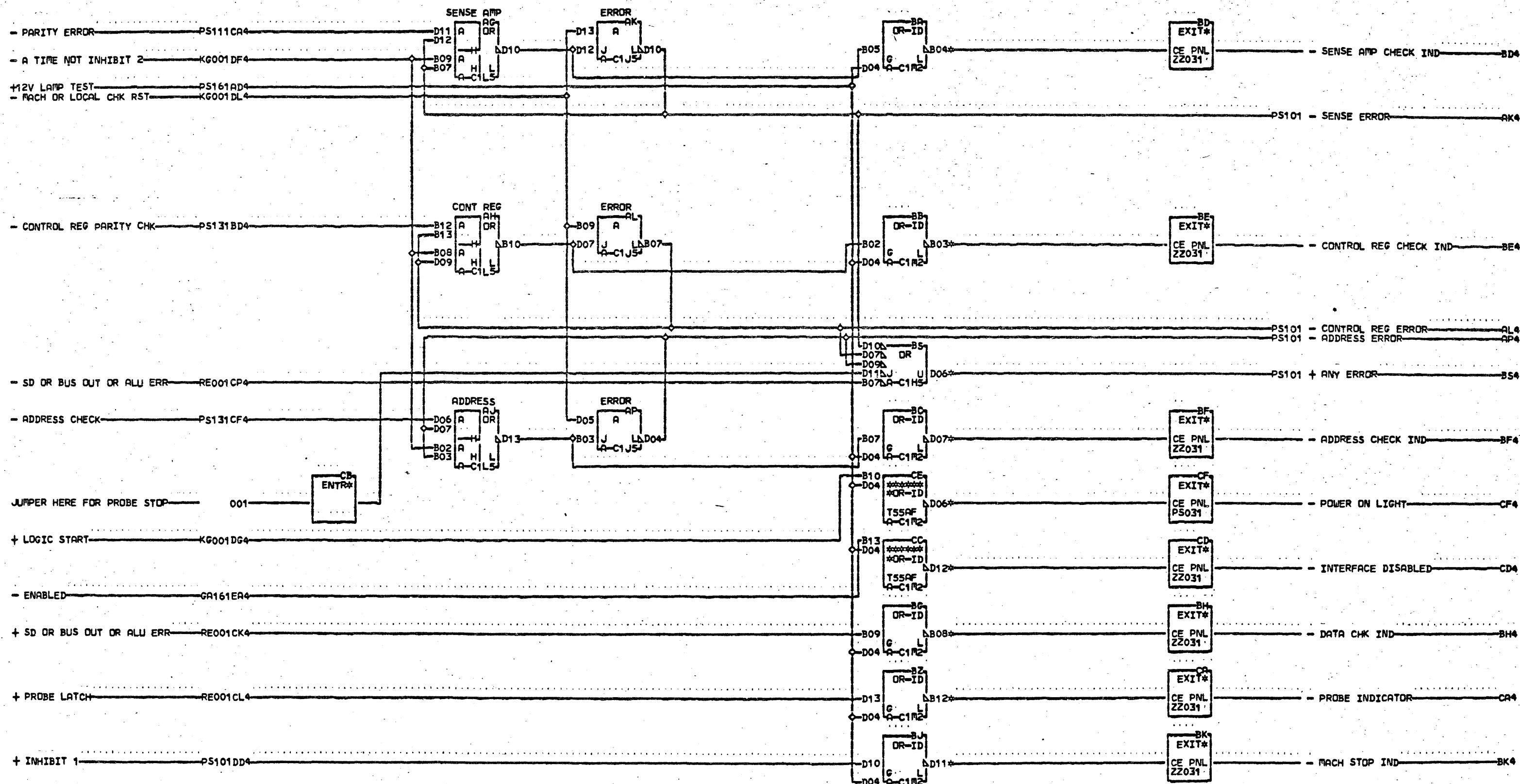


LDC. TYPE
A-C1B2 0135
A-C1C6 0199
A-C1F4 0511
A-C1L3 0147
A-C1A4 0511
A-C1A5 3575
A-C1A6 0511

CONTROL REG PARITY CHECK
E.C. HISTORY MACH.2314-FCU
416120 FRAME 01
416121
420637
DATE LAST EC IBM CORP. SDD
05-09-67 420905 P.No. 2209496

PS131

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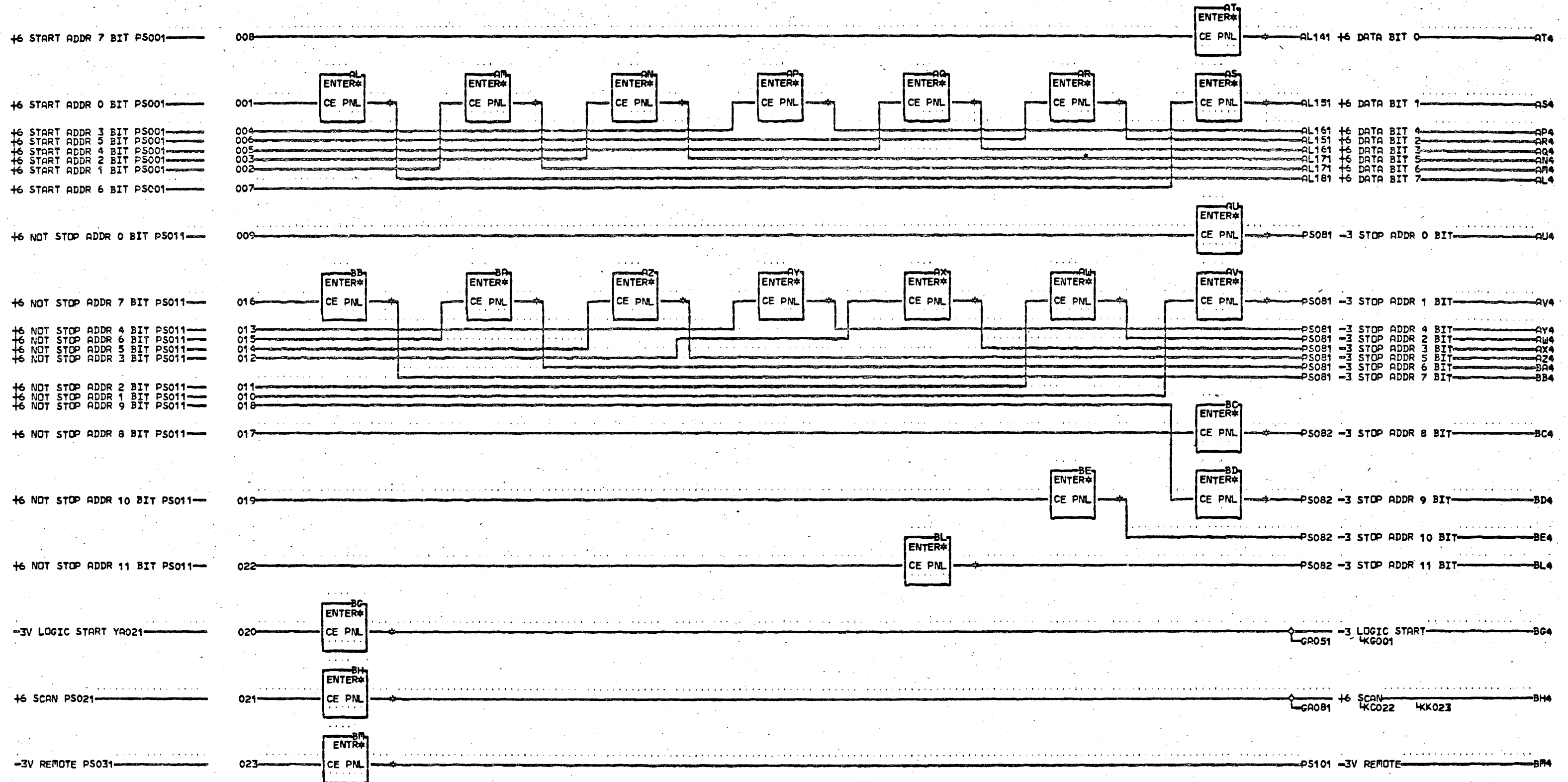


NOTE: MOST CE PANEL
SIGNALS CONNECT
P DIRECTLY TO POWER
S SUPPLY VOLTAGES.
1 USE CAUTION IN
4 THESE AREAS.
1

BA4 A-C1M1D09 CE4 A-C1F1E09
BB4 A-C1M1E11
BC4 A-C1M1E09
BG4 A-C1N1A11
BJ4 A-C1N1A09
BS4 RESISTOR
B24 A-C1H5B08
B24 A-C1K1E11
CC4 A-C1L1E09

LDC TYPE
A-C1H5 0229
A-C1J5 0000
A-C1L5 0006
A-C1M2 0730

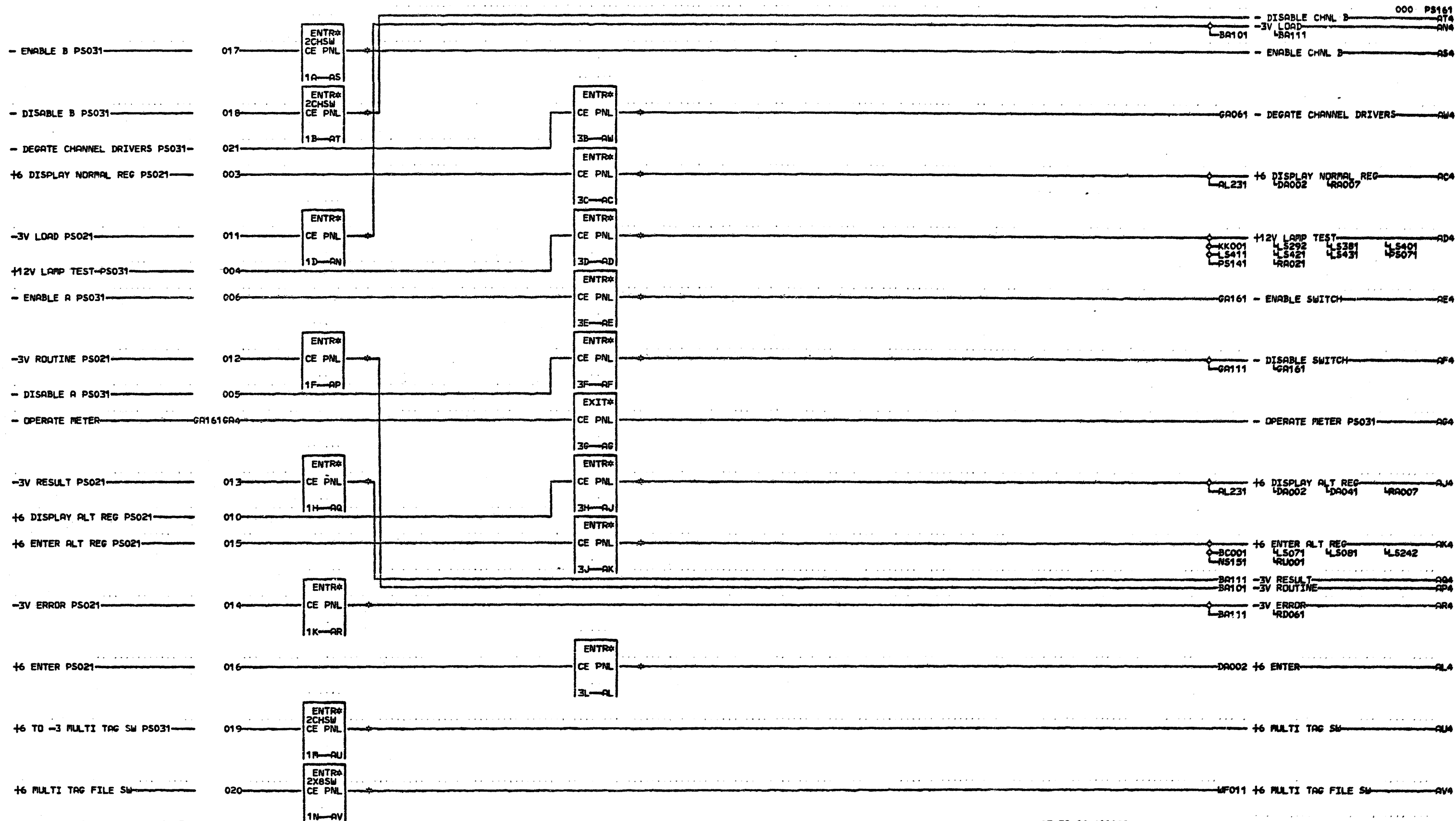
ERROR LATCHES		P
E.C. HISTORY	MACH. 2314-FCU	5
416120	FRAME	1
416121	IBM CORP. GPD	4
416122		1
416123		
DATE	LAST EC	000
08-07-67	420912	
P.No. 2209497		



AL4 A-B1J1A11 AP4 A-B1J1C11 AS4 A-B1J1E11 AX4 A-C1H1B09 01A-C1A6D06
 01A-B1C8A06 01A-B1C8C06 01A-B1C8E06 AY4 A-C1H1C11 01A-C3A3D06
 01A-B2C1A11 01A-B2C1C11 01A-B2C1E11 AZ4 A-C1H1C09 BH4 A-C1A1E11
 AM4 A-B1J1B11 AQ4 A-B1J1C09 AT4 A-B1J1E09 BA4 A-C1H1D09 01A-C1A6D05
 01A-B1C8B06 01A-B1C8C04 01A-B1C8E04 BB4 A-C1H1E11 01A-C3A3D05
 01A-B2C1B11 01A-B2C1C09 01A-B2C1E09 BC4 A-C1H1E09 BL4 A-C1J1B09
 AN4 A-B1J1B09 AR4 A-B1J1D09 AU4 A-C1G1E09 BD4 A-C1J1A11 BM4 A-C1J1C09
 01A-B1C8B04 01A-B1C8D04 AV4 A-C1H1A11 BE4 A-C1J1B11
 01A-B2C1B09 01A-B2C1D09 AW4 A-C1H1B11 BG4 A-C1J1C11

CE PANEL FEED THRU A1

E-C-HISTORY	MACH.2314-FCU
416120	FRAME 01
416122	IBM CORP. GPD
416123	P.No. 2209498
416124	
DATE LAST EC	
08-02-67 420912	

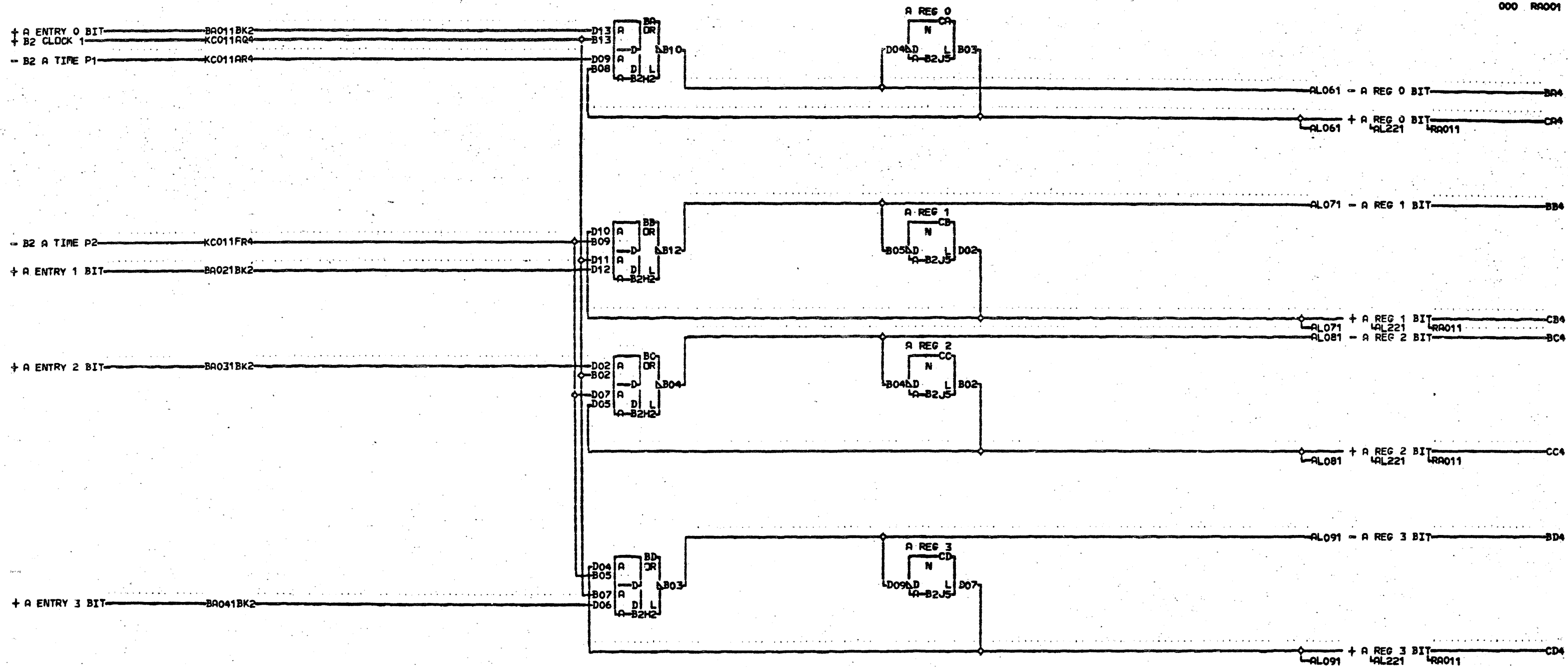


SIGNALS FROM CE PANEL SWITCHES ARE DIRECTLY CONNECTED TO THE SUPPLY VOLTAGES. USE CAUTION IN THESE AREAS.

AC4 A-B1M1E11	01A-B1B1D09	01A-C3A4B13	01A-B3A6D13	AN4 A-B1F1B09	AR4 A-B1F1D09	AU4 A-B1D1E09	01A-C1A6D02
01A-B1M1E11	01B-A1F1C11	AJ4 A-B1E1B09	01A-C2A6D13	01A-B1N6B04	01A-B1A2D02	01A-B1A3D13	01A-C3A3D02
01A-B1M8E04	AE4 A-B1N1A09	01A-B1M8B06	01A-B1B1B11	01A-B3A7B04	01A-B2A2D02	AV4 A-B1F1E11	
01A-B2M1E09	01A-B1B2B13	01A-B2M1B11	01B-A1G1A11	AP4 A-B1F1C09	01A-B2F8B06	01A-B1A2B09	
AD4 A-B1M1E09	01A-B1A6D13	01A-B2N5B07	01B-A1G8A06	01A-B1N6B03	01A-B2F1B11	01A-B2A2B09	
01A-B1M8C04	01A-C3A4D13	01A-C2A5B07	01B-A2G1A11	01A-B3A7B03	AS4 A-B1G1A11	01A-B2F8E06	
01A-B2M1C09	AF4 A-B1N1A11	AK4 A-B1E1C09	AL4 A-B1E1D09	AQ4 A-B1F1E09	01A-B1B2D11	01A-B3F1E11	
01A-B1N3B12	01A-B1B2D13	01A-B1A5D13	01A-B1K8E06	01A-B1N6B05	AT4 A-B1G1A09	01A-B3N5B05	
01A-C1A3B12	01A-B1A6B13	01A-B3A3D13	01A-B2K1E11	01A-B3A7B05	01A-B1B2B12	AW4 A-C1F1E11	

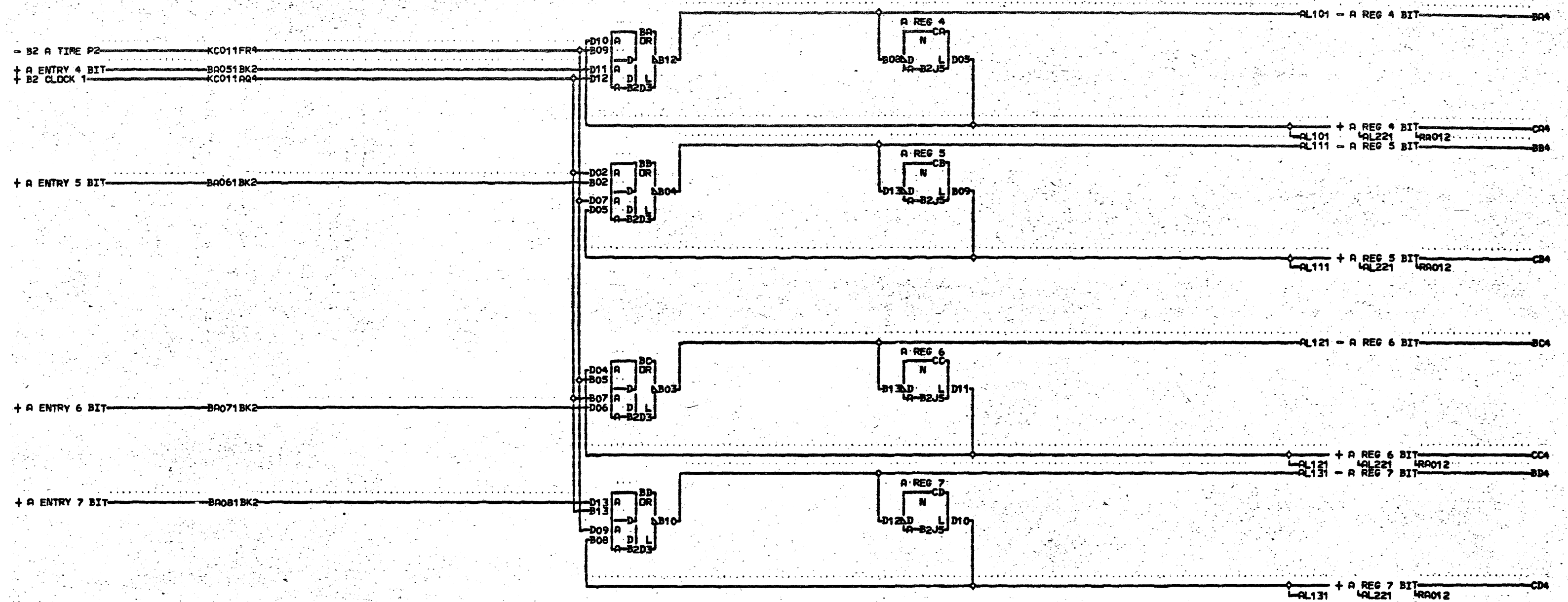
03-30-66 416120
04-28-66 416122
05-09-66 416123
06-08-66 416124
07-01-66 416125
03-27-67 420901
08-03-67 420912
10-14-68 420949

CE PANEL FEED THRU A1	
DATE	10-31-68
MACH	2314-FCU
LOG	295K FRAME
P.N.	2209499
IBM CORP.	GPD BLK.



LOC. TYPE
A-82H2 0141
A-82J5 3308

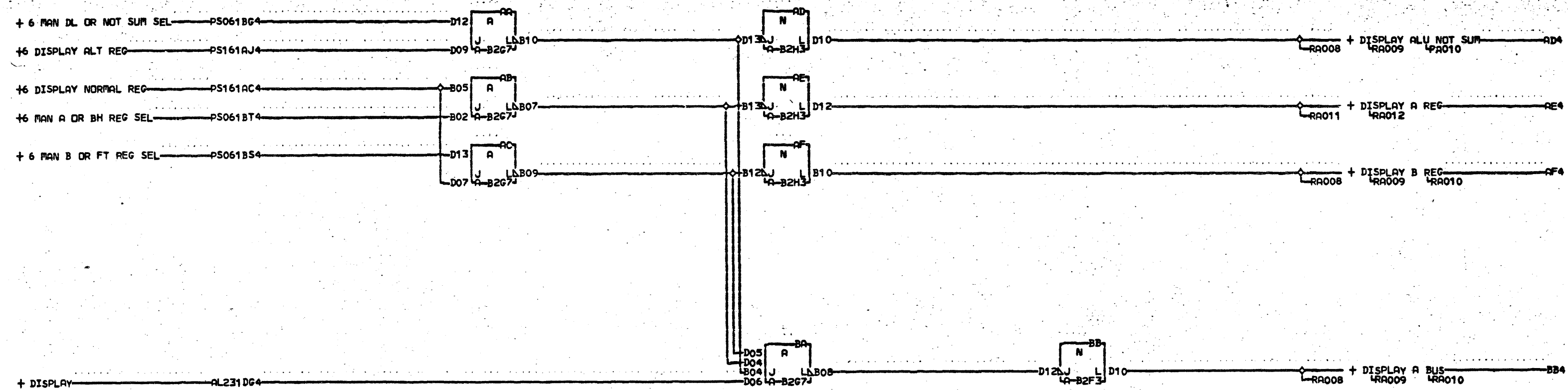
A REG BITS 0 THRU 3	
E.C. HISTORY	MACB.2314-FCU
DATE	FRAME 01
LAST EC	IBM CORP. SDD
03-30-66 416120	P.N. 2209433



LOC. TYPE
A-B2D3 0141
A-B2J5 3308

A REG BITS 4 THRU 7		R A 0 0 2
E.C. HISTORY		
MACH. 2314-FCU		000
FRAME 01		
IBM CORP. SDD		
DATE 03-30-66	LAST EC 416120	P.N. 2209517

R
A
0
0
2



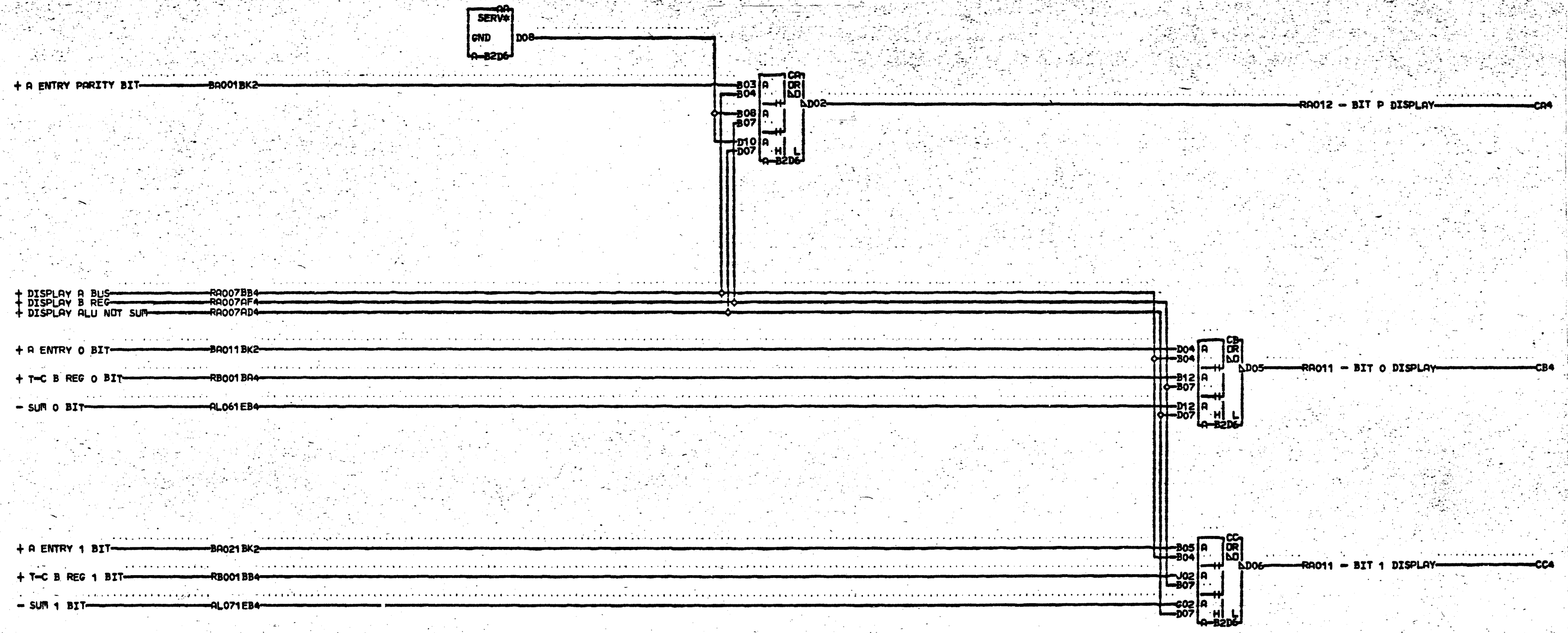
LOC. TYPE
 A-B2F3 0199
 A-B267 0531
 A-B2H3 3575

DISPLAY NOT SUM A-B REG-A BUS	
E.C.-HISTORY	FRAM-2314-FCU
DATE	LAST EC
04-06-66	416120
IBN CORP. SDD	P.N. 2209482

R 0007

000

R

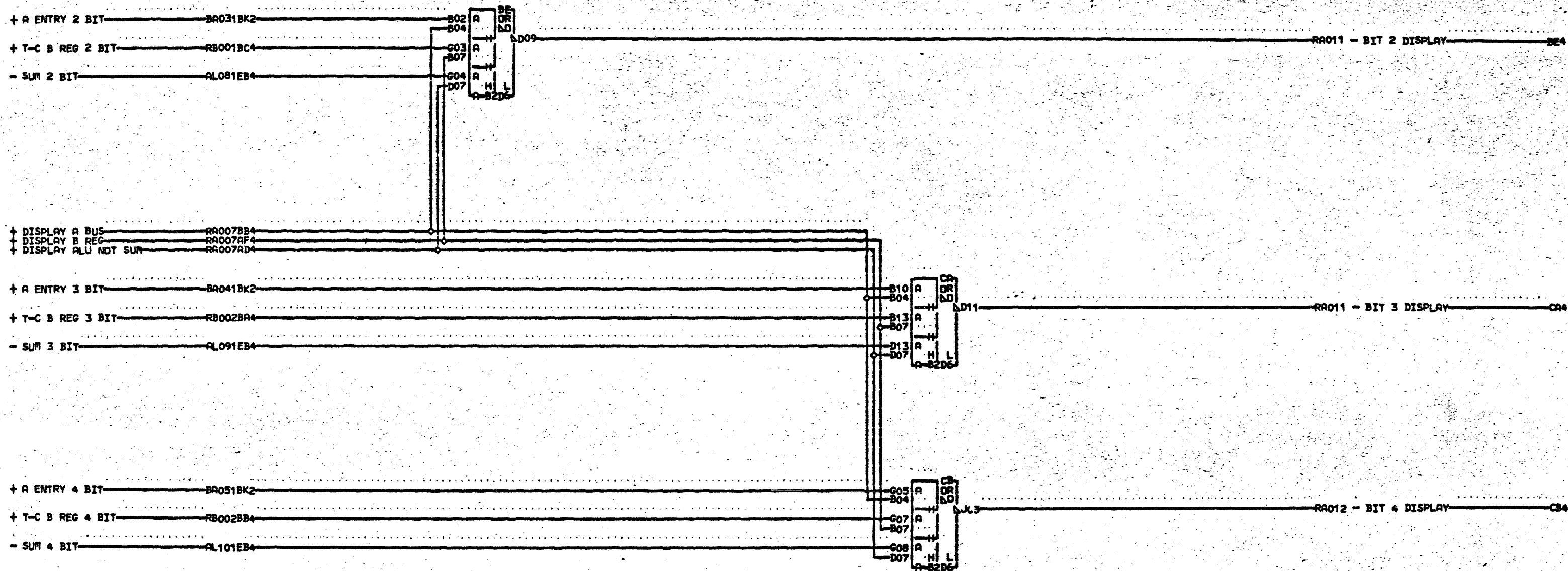


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LOC. TYPE
A-82D6 4280

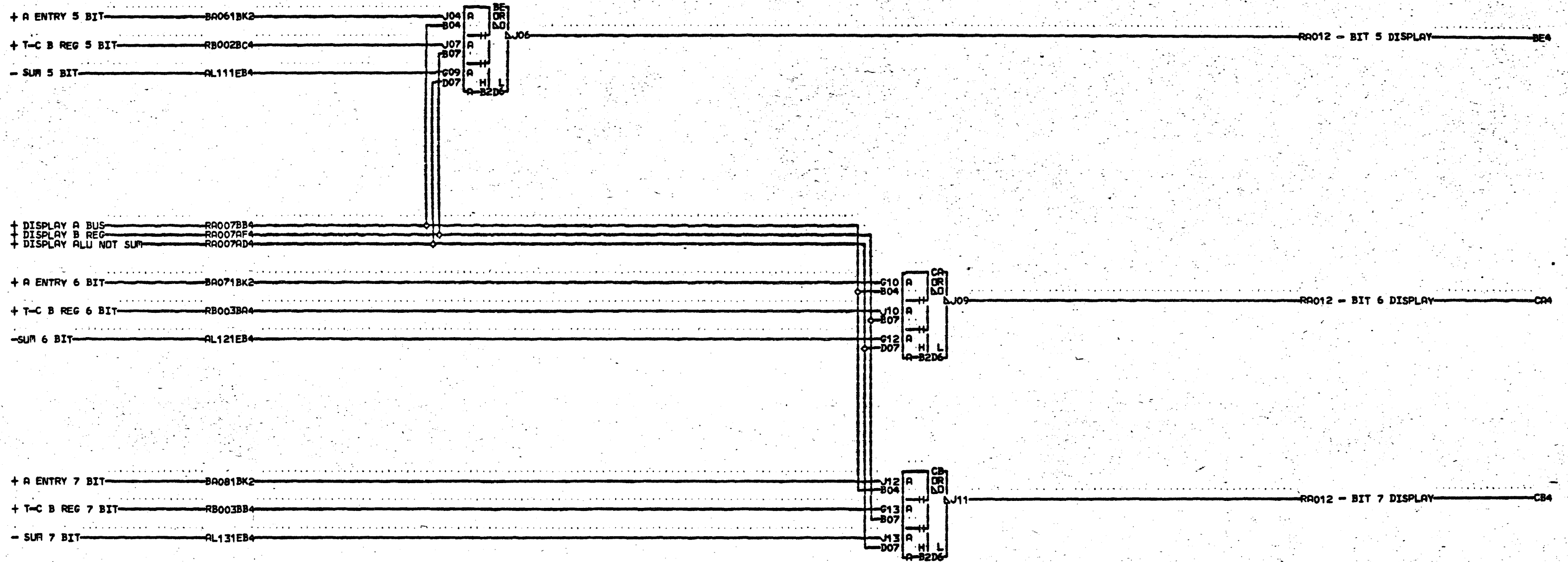
DISPLAY ASSEM P 0 1 BITS	
E-C-HISTORY	FRAM#2314-FCU
DATE	LAST EC
04-06-66	416120
IBN CORP. SDD	P.N. 2209483

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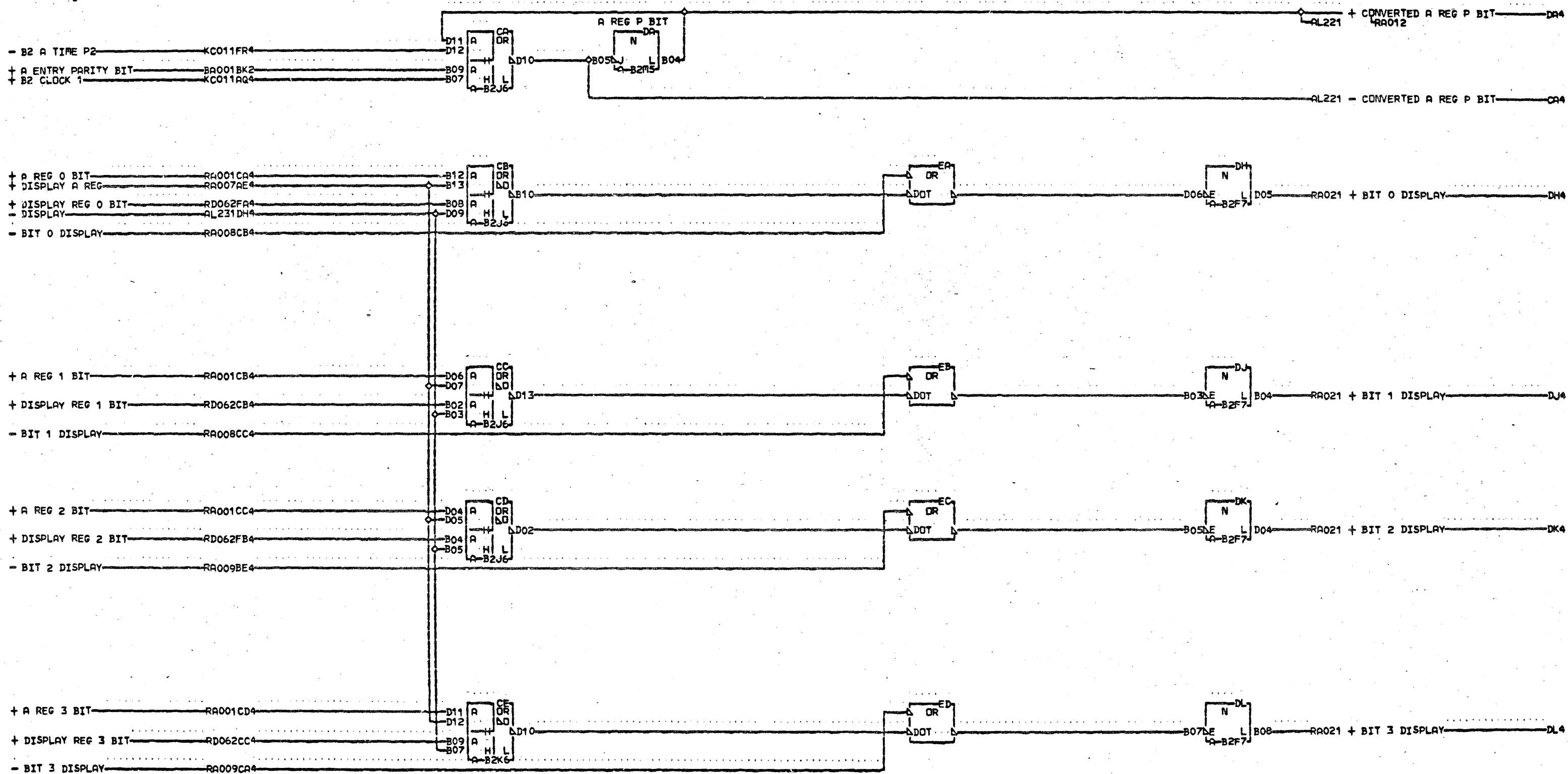
LOC. TYPE
A-B2D6 4280

DISPLAY ASSEM 2 3 4 BITS	
E.C.-HISTORY	RACH-2314-FCU
DATE	FRAME 01
LAST EC	IBM CORP. SDD
04-06-66 416120	PoN 2209484



LDC. TYPE
A-B2D6 4280

DISPLAY ASSEM 5 6 7 BITS	
E.C. HISTORY	RACH.2314-FCU
DATE	FRAME 01
LAST EC	IBM CORP. SDD
04-06-66 416120	P.O. 2209485



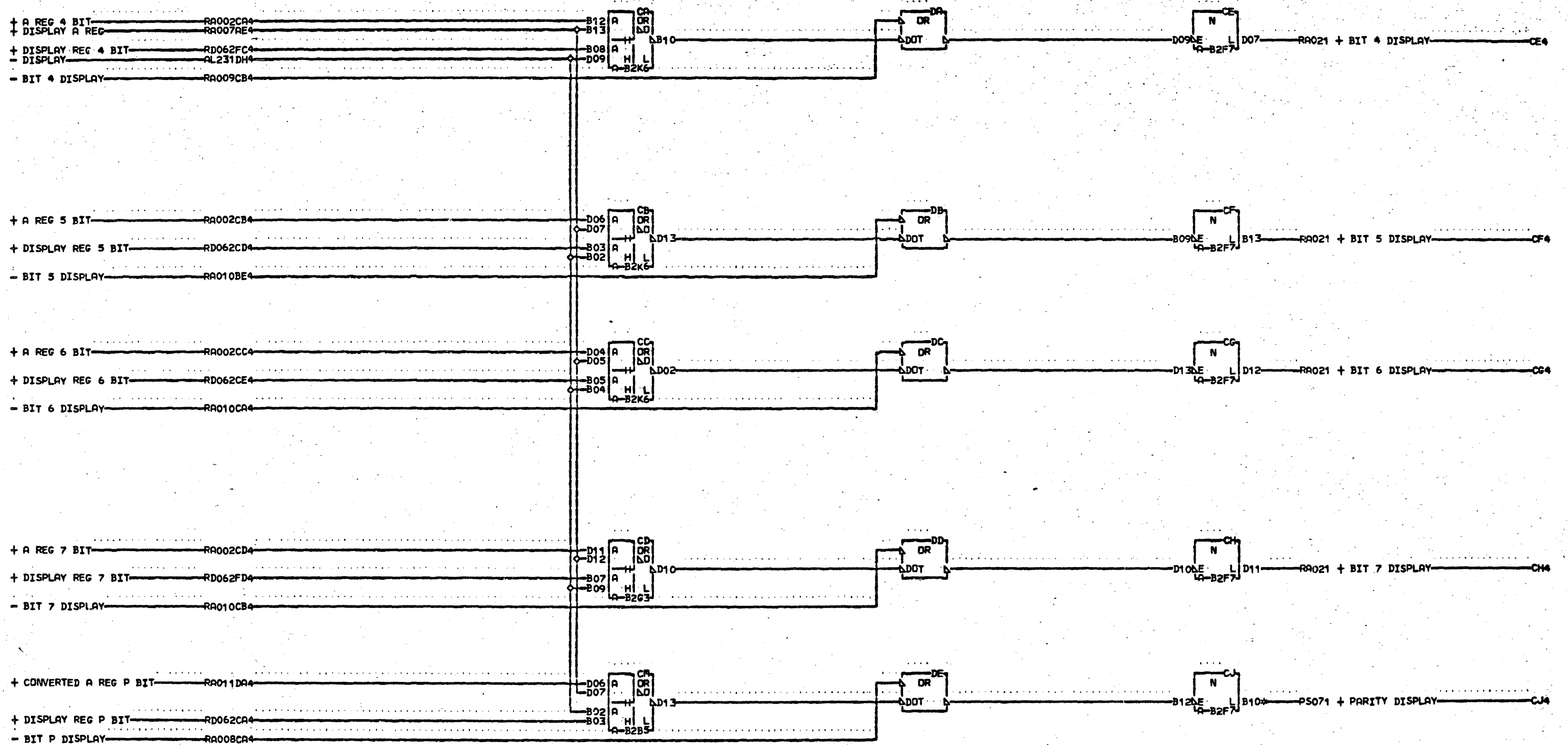
LOC. TYPE
 A-B2F7 0359
 A-B2J6 0006
 A-B2K6 0006
 A-B2M5 3575

A REG 10 TO 30 NS CONVERSION
 PARITY AND BITS 1 THRU 3
 E.C.-HISTORY MACH-2314-FCU
 FRAME 01
 IBM CORP. SDD
 P.No. 2209434

DATE LAST EC
 04-06-66 416120

RA011

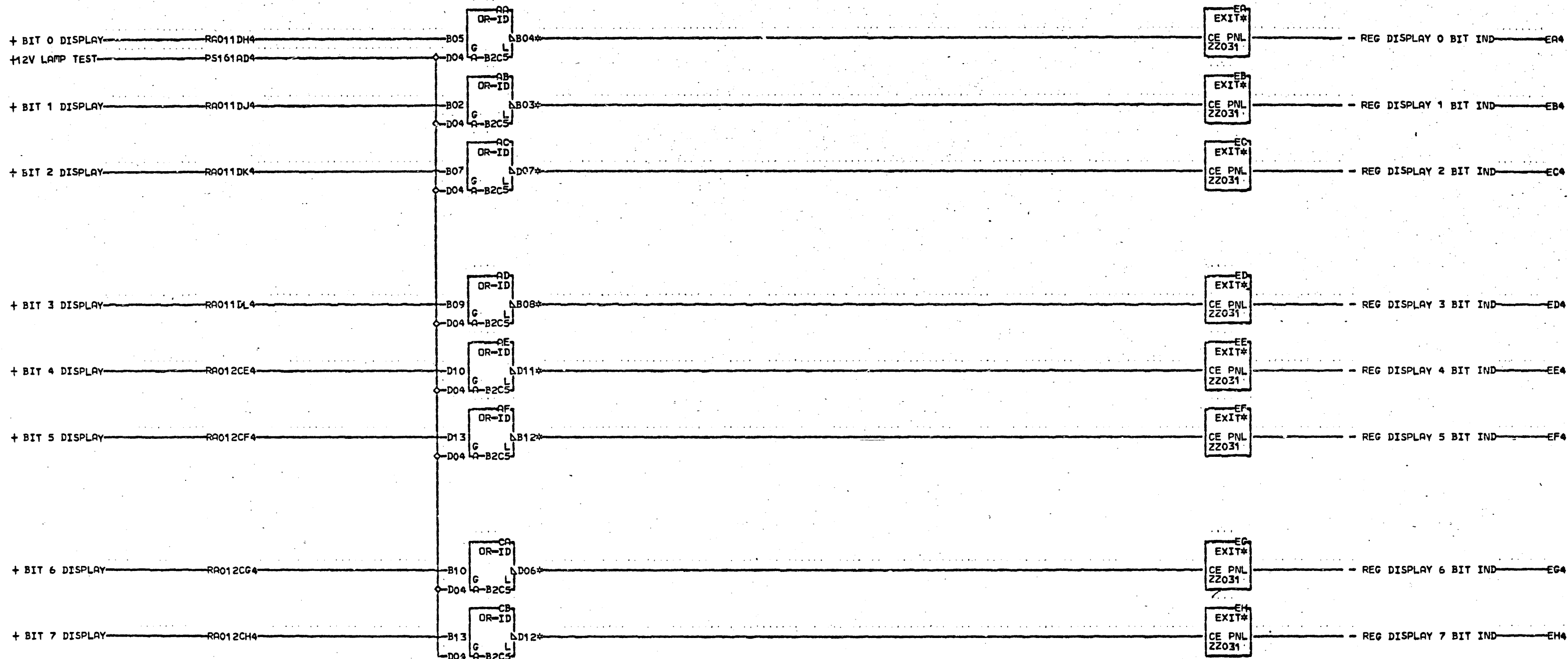
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CJ4 A-B2N3B03
01A-C1N7B03

LDC TYPE
A-B2B5 0006
A-B2F7 0359
A-B2G3 0006
A-B2K6 0006

A REG 10 TO 30 NS CONVERSION BITS 4 THRU 7		R A 0 1 2
E.C. HISTORY	FRAME 01	
DATE 03-30-66	LAST EC 416120	IBM CORP. SDD
P.N. 2209518		000



NOTE: MOST CE PANEL
SIGNALS TERMINATE
R DIRECTLY TO POWER
A SUPPLY VOLTAGES.
0 USE CAUTION IN THESE
2 AREAS

000

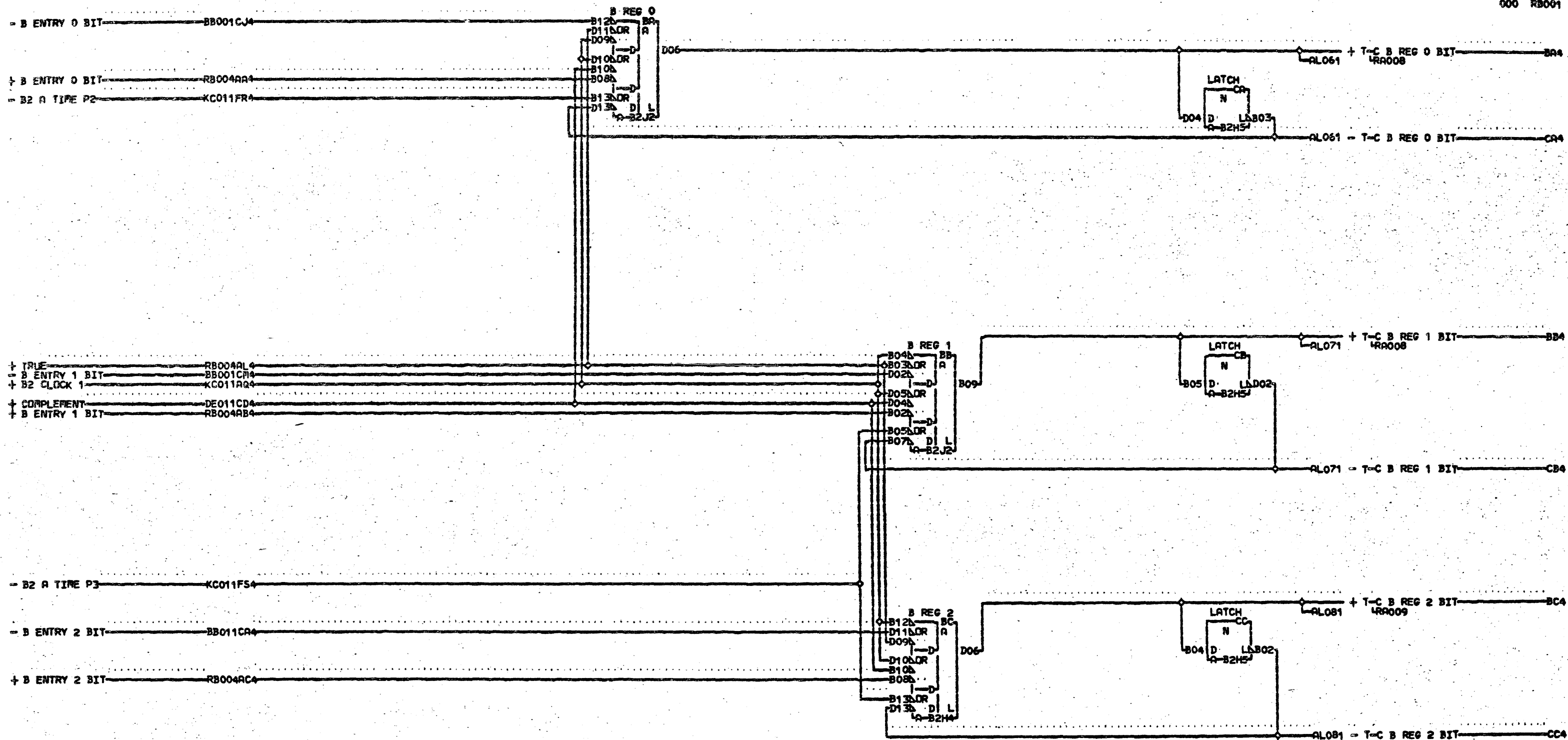
AA4 A-B2A1E09	AD4 A-B2B1B09	CA4 A-B2B1D09
01A-B1A8E04	01A-B1B8B04	01A-B1B8D04
01A-B1C1E09	01A-B1H1B09	01A-B1H1D09
AB4 A-B2B1A11	AE4 A-B2B1C11	CB4 A-B2B1E11
01A-B1B8A06	01A-B1B8C06	01A-B1B8E06
01A-B1H1A11	01A-B1H1C11	01A-B1H1E11
AC4 A-B2B1B11	AF4 A-B2B1C09	
01A-B1B8B06	01A-B1B8C04	
01A-B1H1B11	01A-B1H1C09	

LOC. TYPE
A-B2C5 0730

A REGISTER INDICATOR DRIVERS	
E.C. HISTORY	MACH#2314-FCU
416120	FRAME 01
416123	IBM CORP. GPD
DATE LAST EC	P.N. 2209435
08-03-67 420912	

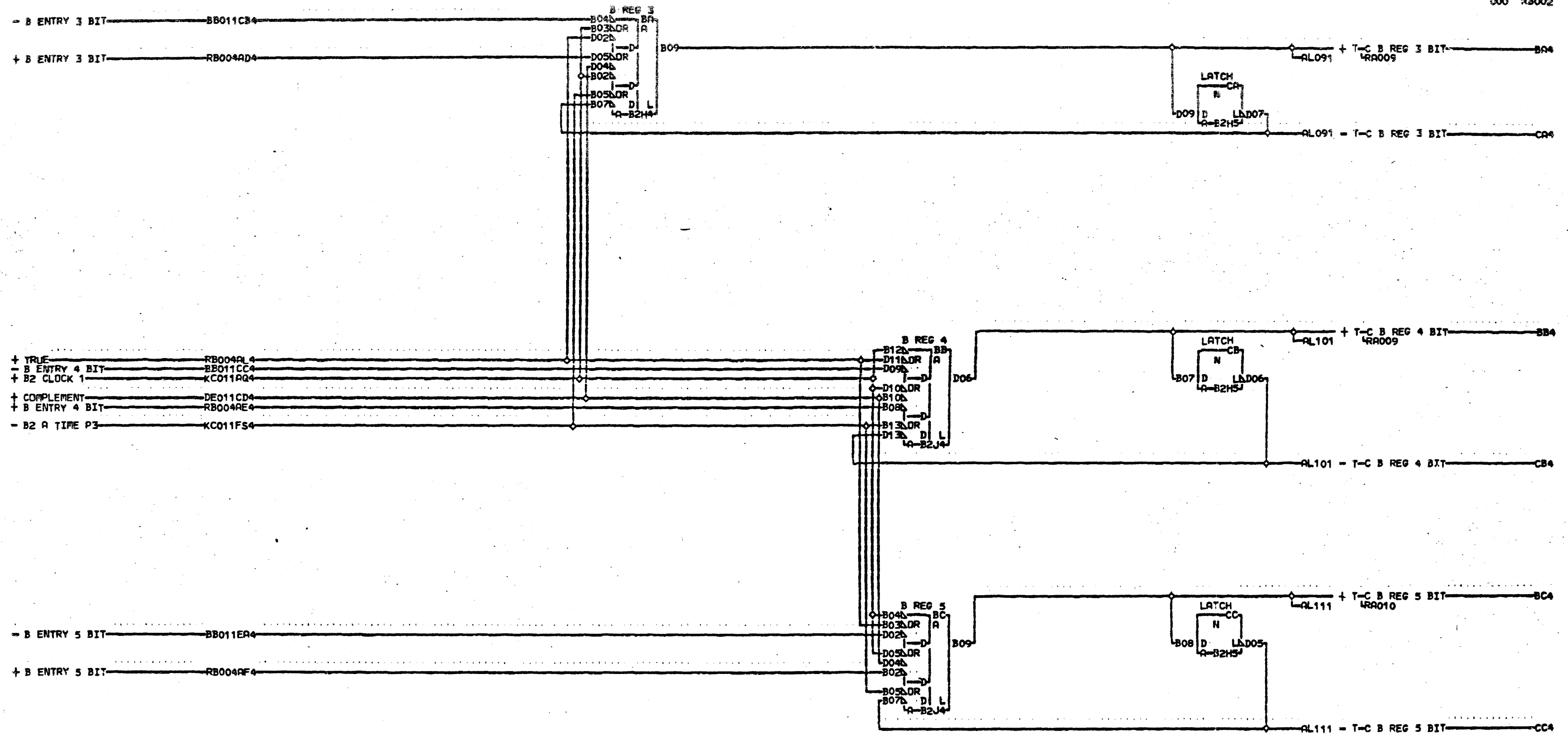
RA021

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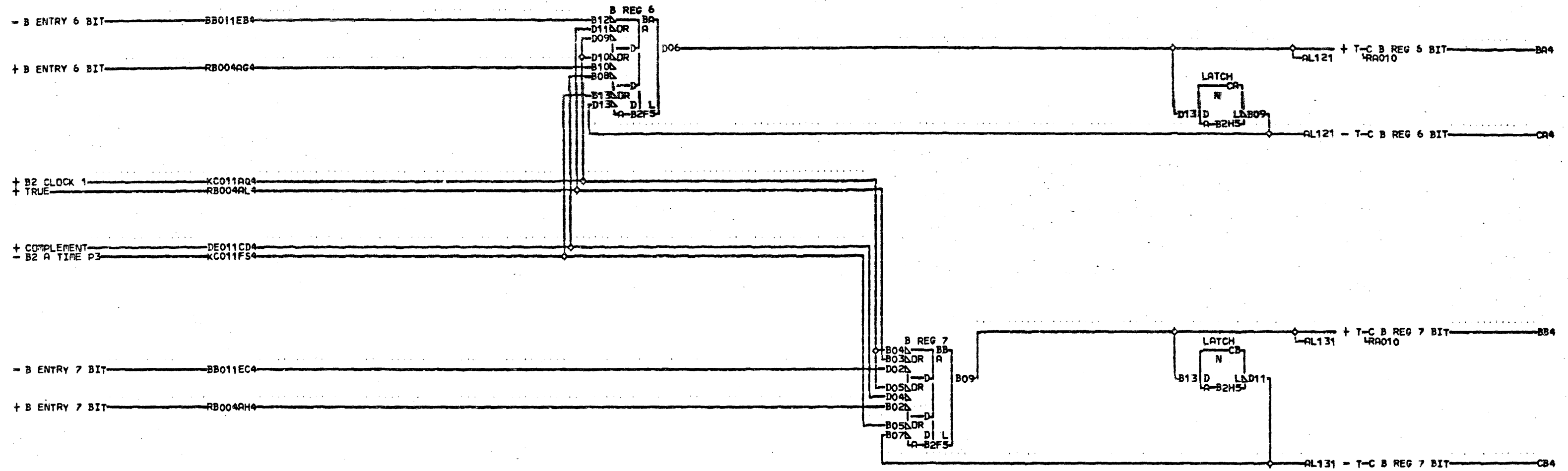
LOC. TYPE
A-B2H4 0145
A-B2H5 3308
A-B2J2 0145

T-C B REG BITS 0 THRU 2	
E-C-HISTORY	PACH.2314-FCU
FRAME	01
IBM CORP. SDD	
DATE LAST EC	P.N. 2209436
03-30-66 415120	



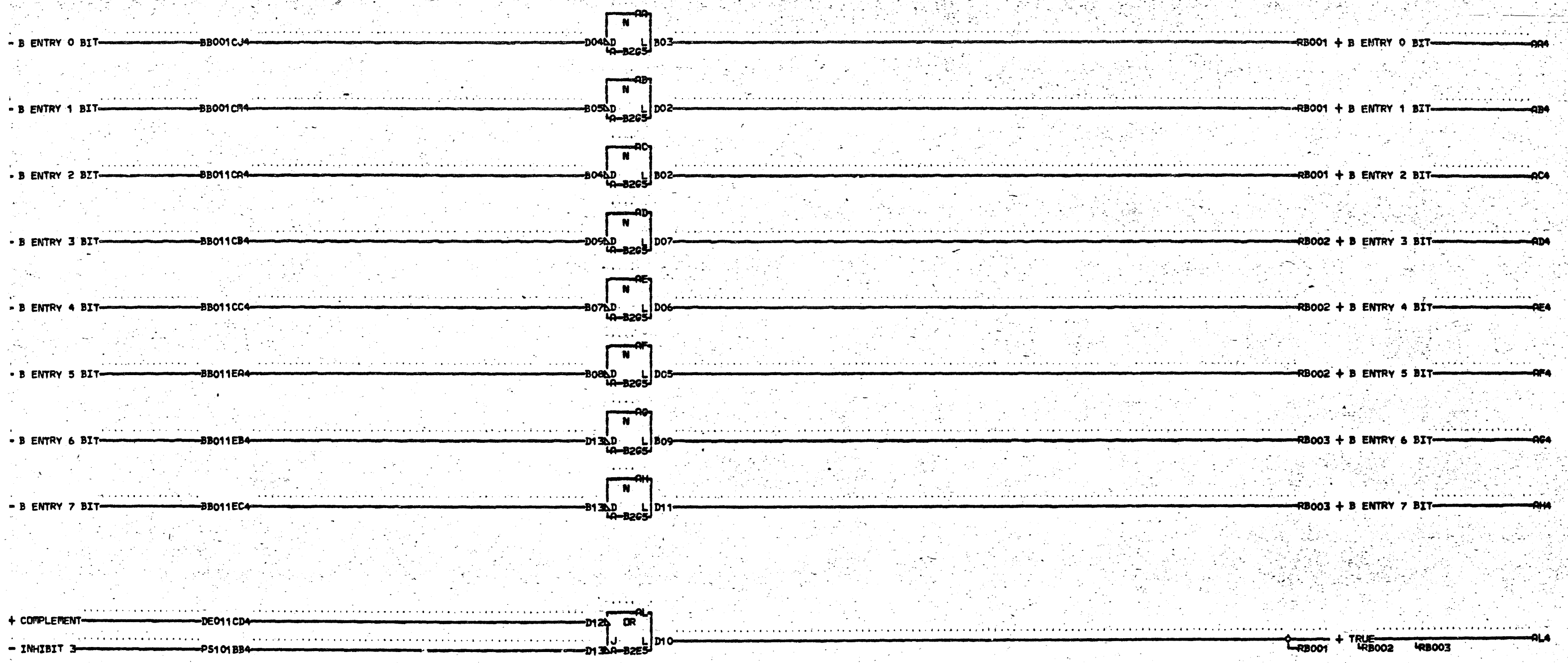
LDC. TYPE
 A-B2H4 0145
 A-B2H5 3308
 A-B2J4 0145

T-C B REG BITS 3 THRU 5	
E.C. HISTORY	MACH. 2314-FCU
DATE	FRAME 01
LAST EC	IBM CORP. SDD
03-30-66 415120	P.N. 2209519



LOC. TYPE
 Q-32F5 0145
 Q-B2H5 3308

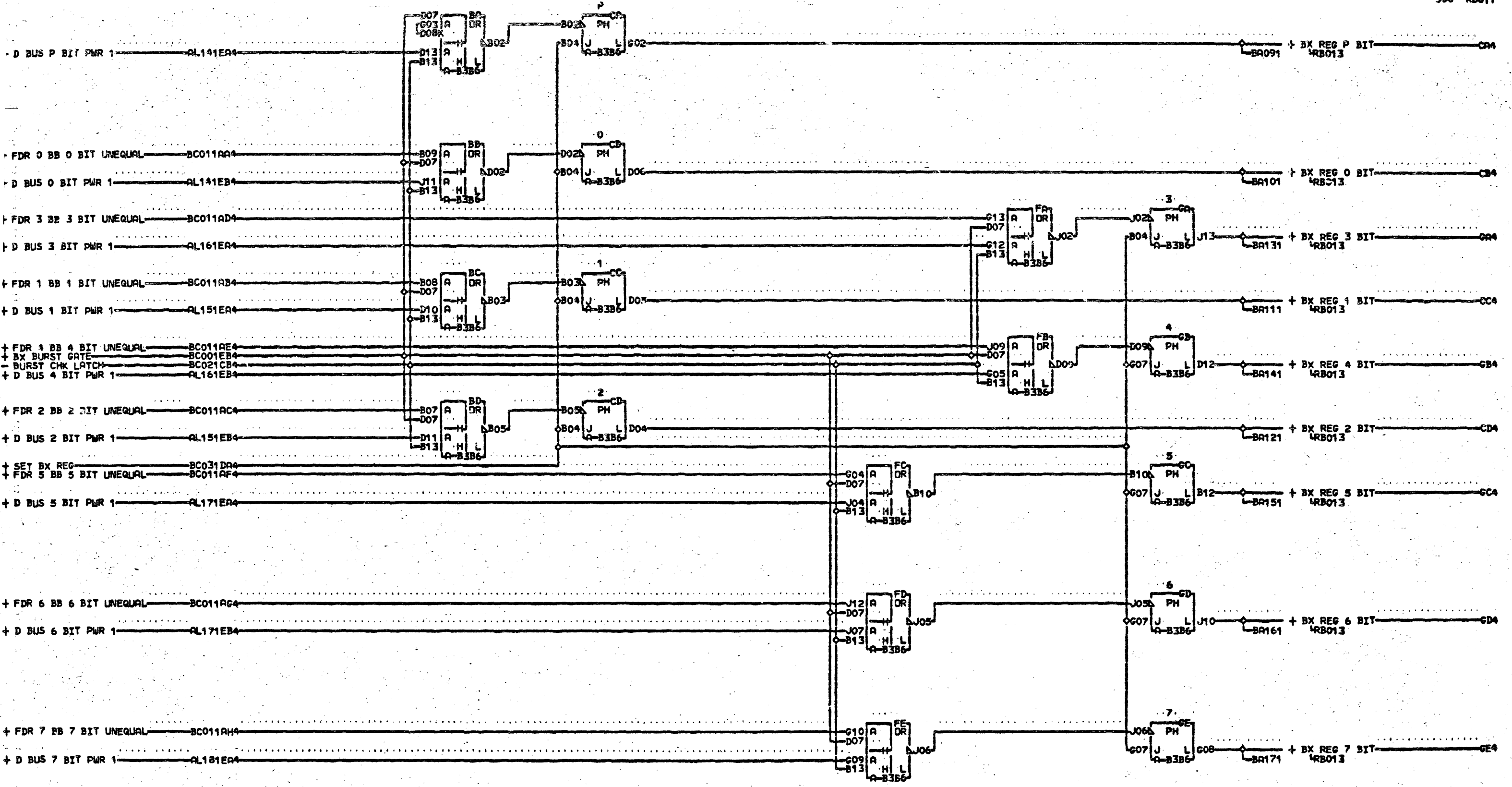
T-C B REG BITS 6 AND 7	
E.C. HISTORY	RACH-2314-FCU
DATE	FRAP 01
LAST EC	IBM CORP. SDD
03-30-66 416120	P.N. 2209520



LOC. TYPE
A-82E5 0199
A-82G5 3308

B ENTRY INVERSION AND YCV INVERSION	
E.C.-HISTORY	MACH.2314-FCU
FRAME	01
DATE	LAST EC
03-30-66	416120
IBM CORP. SDD	P.N. 2209521

RB004
000

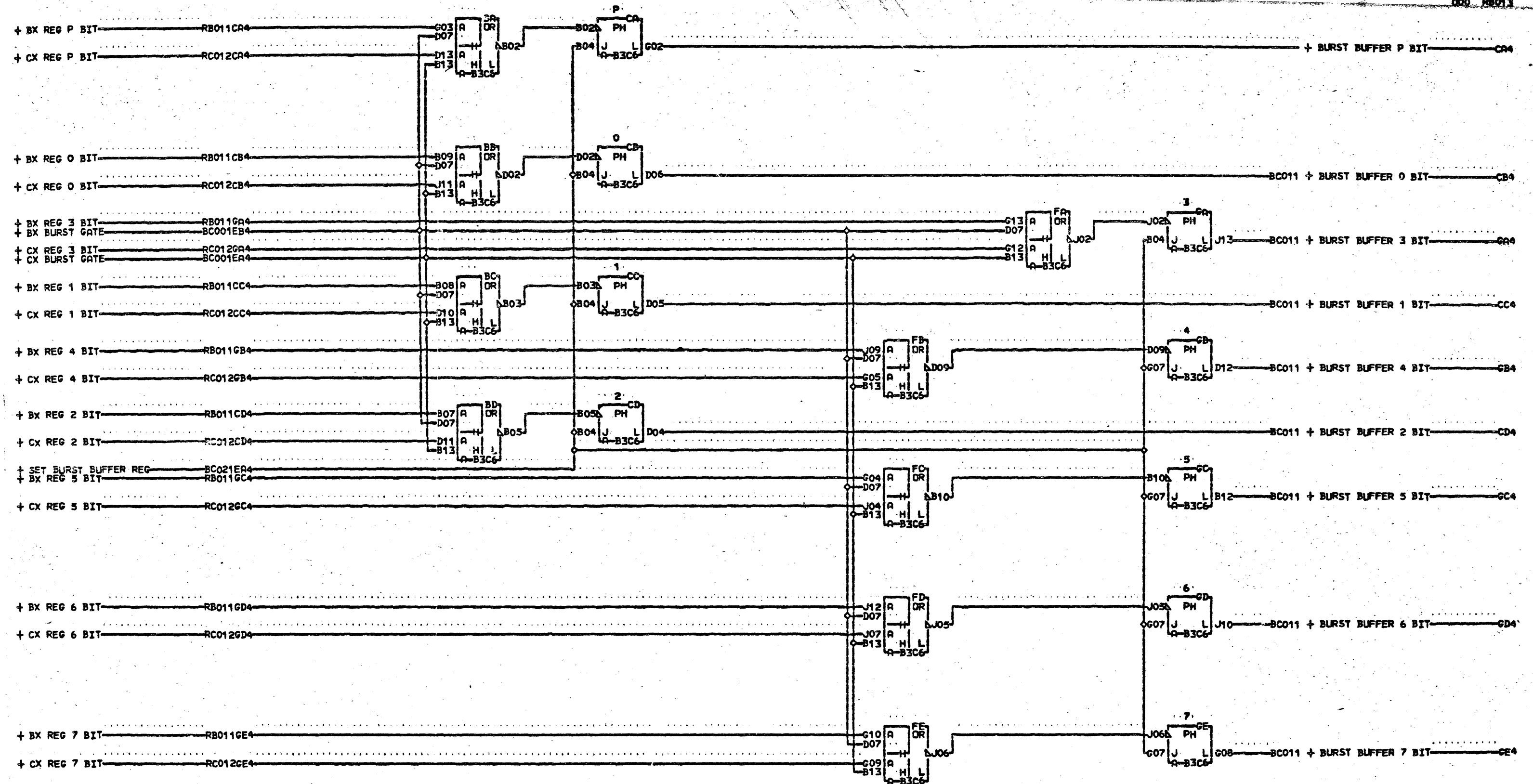


LOC. TYPE
A-8386 4067

BX ASSEM AND REG	
E.C. HISTORY	FRAME 01
DATE 03-30-66	LAST EC 416120
P.No. 2209437	

R
B
O
1
1

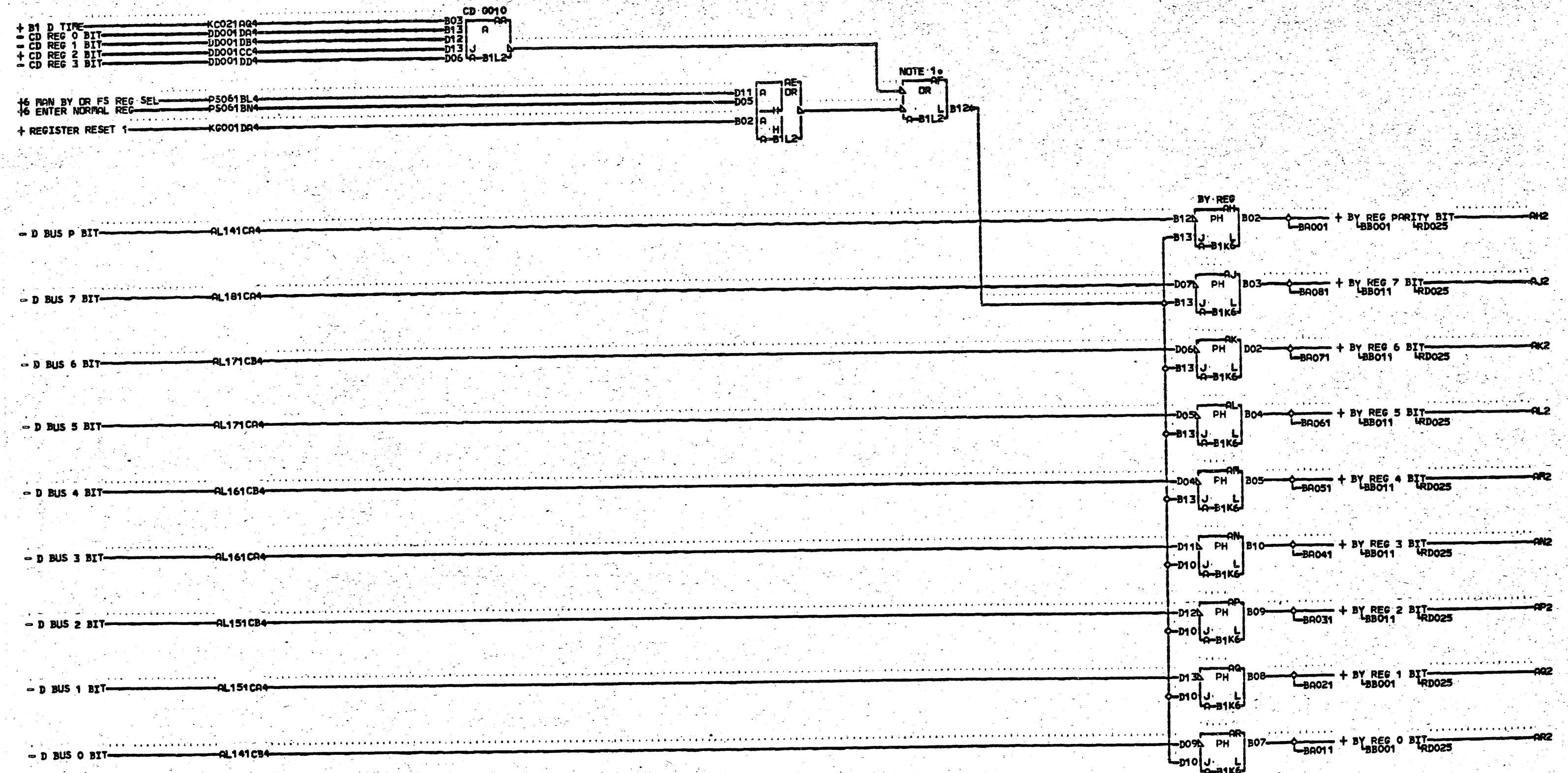
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 LDC. TYPE
 A-B3C6 4067

BURST BUFFER ASSEM AND REG	
E.C. HISTORY	RACH.2314-FCU
DATE	FRAME 01
LAST EC	IBN CORP. SDD
03-30-66	P.O. 2209506

 RB013
 000

 RB013
 000



NOTE 1. INTERNAL
WIRING ON PINS
R B020 B030 D050 D060
SEE RB0110 RG001.

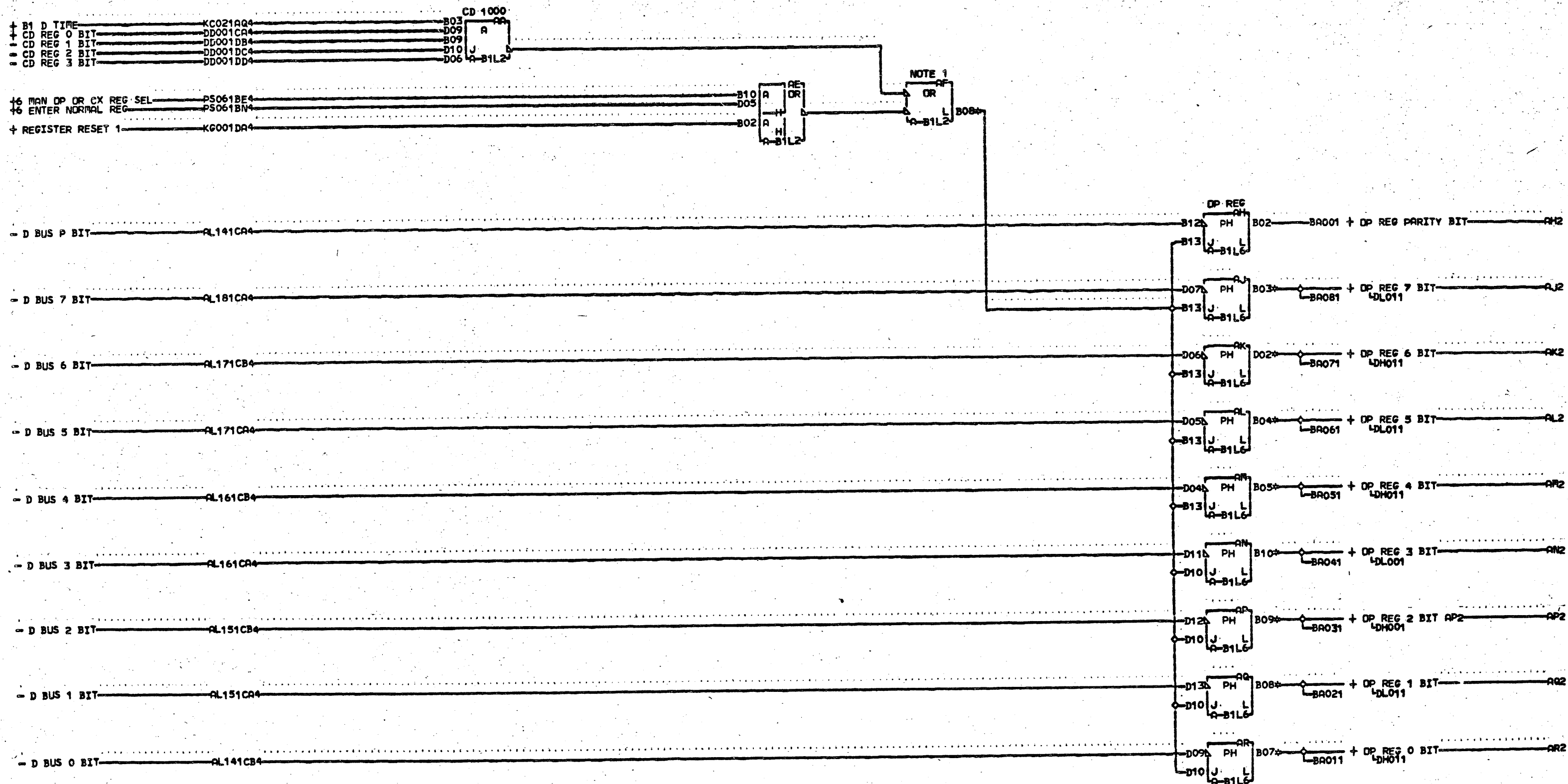
AF4 RESISTOR
A-B1L2B12

LOC. TYPE
A-B1K6 4007
A-B1L2 3572

BY REGISTER	
E-C-HISTORY	MACH-2314-FCU
DATE	LAST EC
03-30-66	416120
IBM CORP. GPD	PoNo 2209438

R B 0 2 1

000



NOTE 1. INTERNAL
WIRING ON PINS
R B020 B030 D050 D06.
C SEE RD0110 RU001.

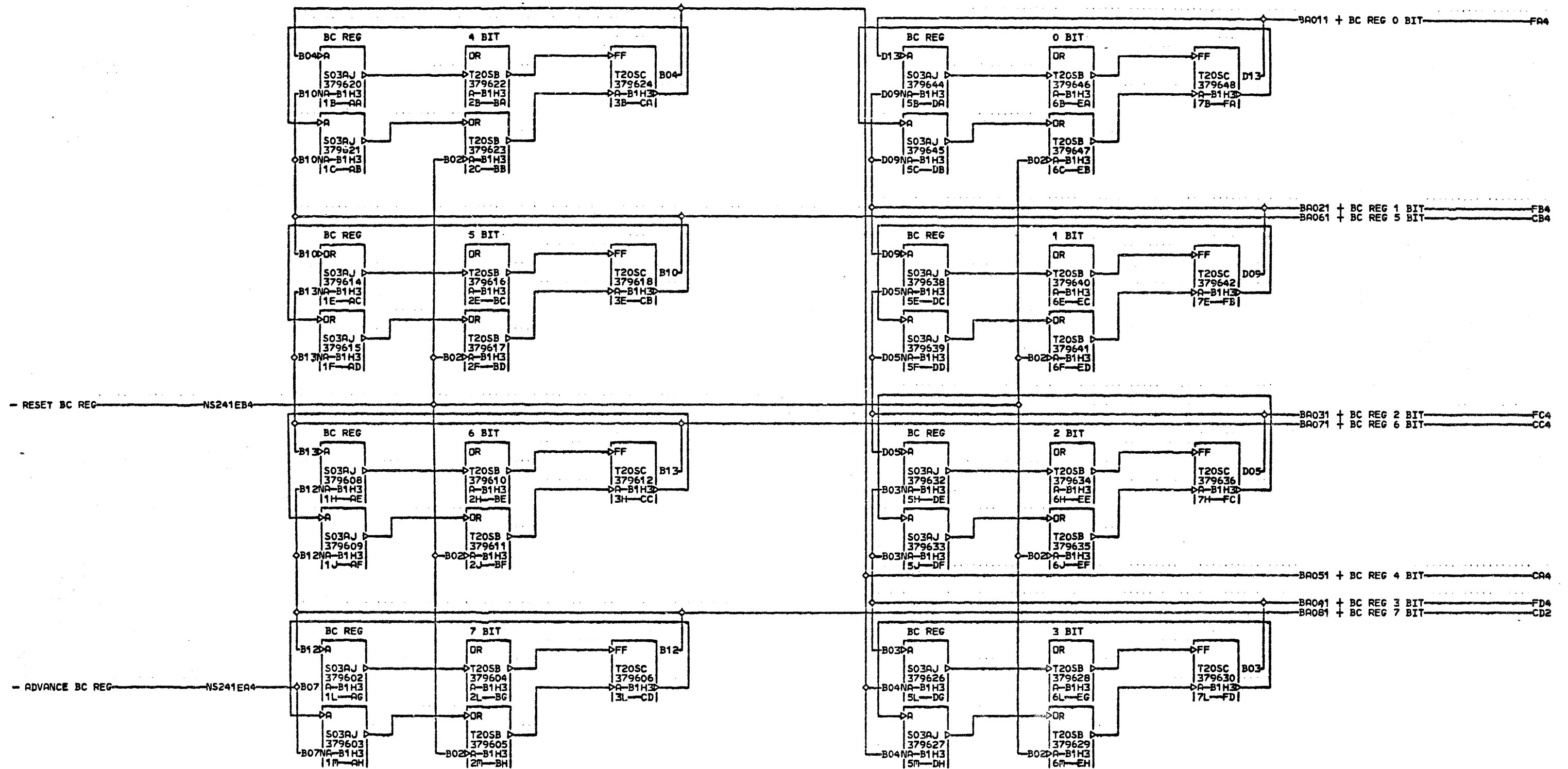
AF4 RESISTOR 01A-C1A4D04
A-B1L2B08 AN2 A-B1N4B05
AJ2 A-B1N4D02 01A-C1A4B05
01A-C1A4D02 AP2 A-B1N4D03
AK2 A-B1N4B03 01A-C1A4D05
01A-C1A4B03 AQ2 A-B1N4D06
AL2 A-B1N4B04 01A-C1A4D06
01A-C1A4B04 AR2 A-B1N4B07
AM2 A-B1N4D04 01A-C1A4B07

LOC. TYPE
A-B1L2 3572
A-B1L6 4007

OP REGISTER	
E-C-HISTORY	RACH-2314-FCU
DATE	FRAME 01
LAST EC	IBM CORP. GPD
03-30-66 416120	PeNo 2209439

RC001

16

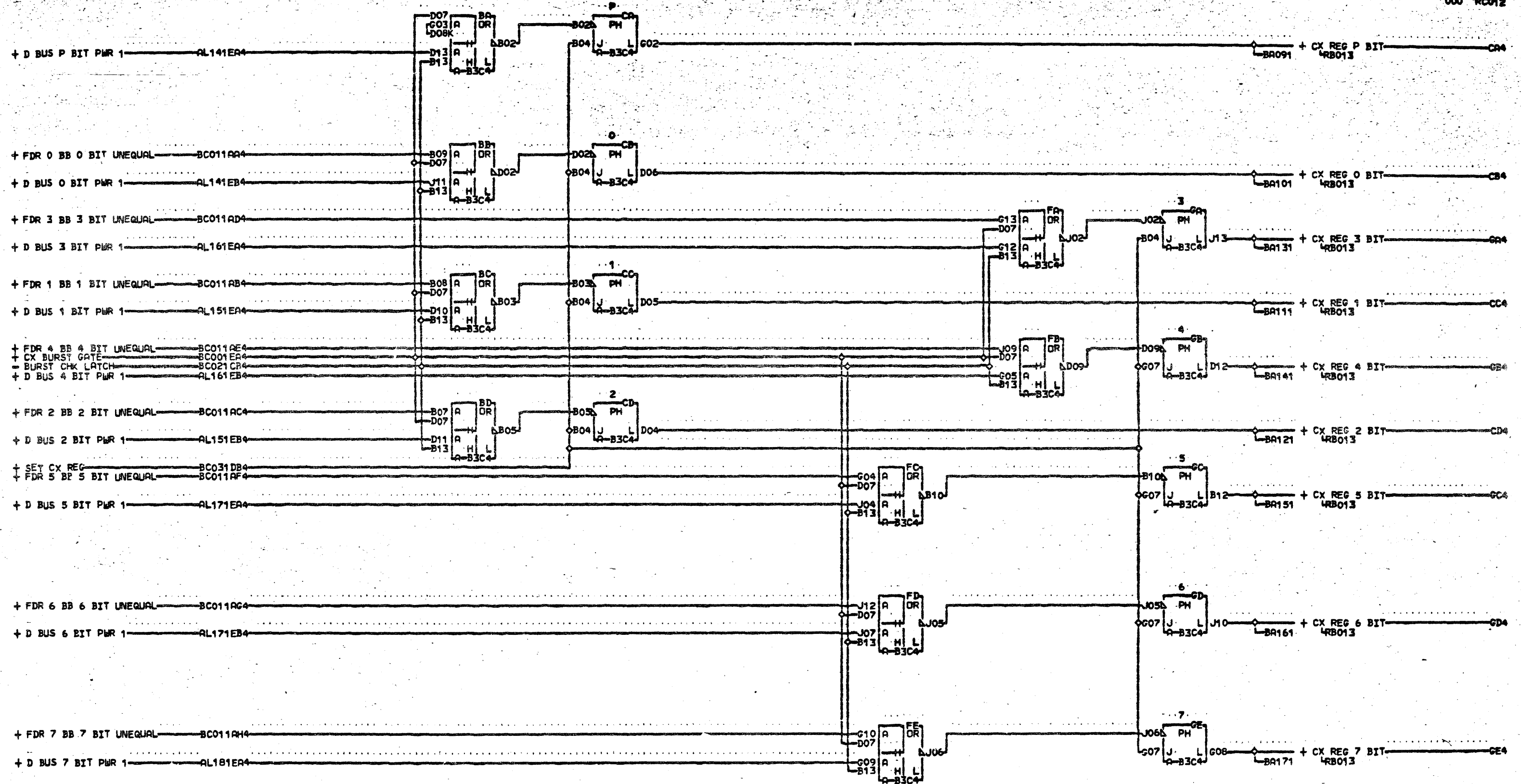


10-31-68 420949

BC REGISTER			
8 BIT BINARY COUNTER			
DATE	10-31-68	MACH.	2314-FCU
LOG	305M	FRAME	01
		P.No.	2261324
IBM CORP.	SDD	BLK.	FF

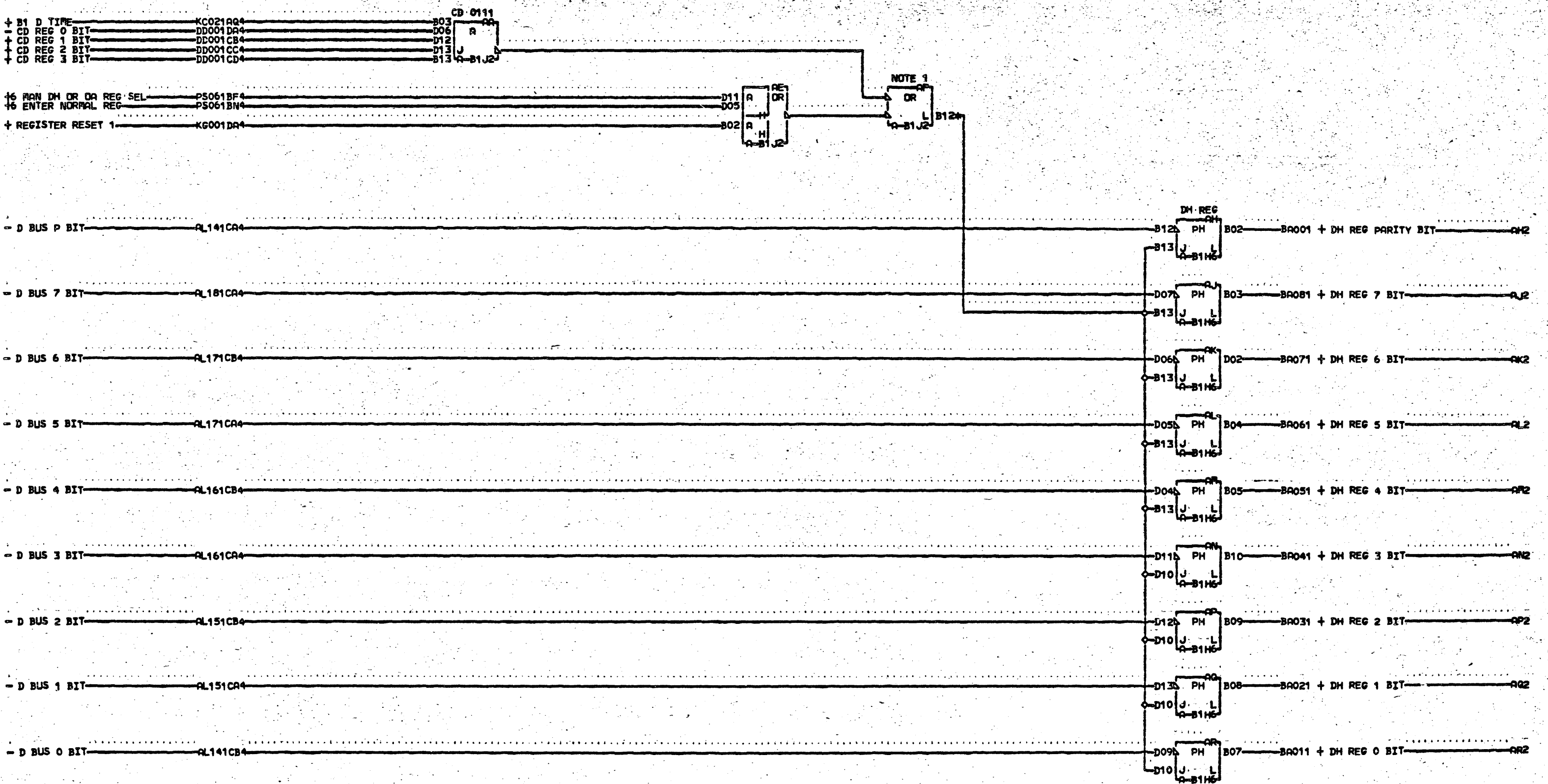
RC011

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LDC. TYPE
A-B3C4 4067

CX ASSEM AND REG			
E.C. HISTORY		MACH. 2314-FCU	
416120		FRAME 01	
DATE LAST EC		IBM CORP. SDD	
04-14-66 416121		P.No. 2209507	

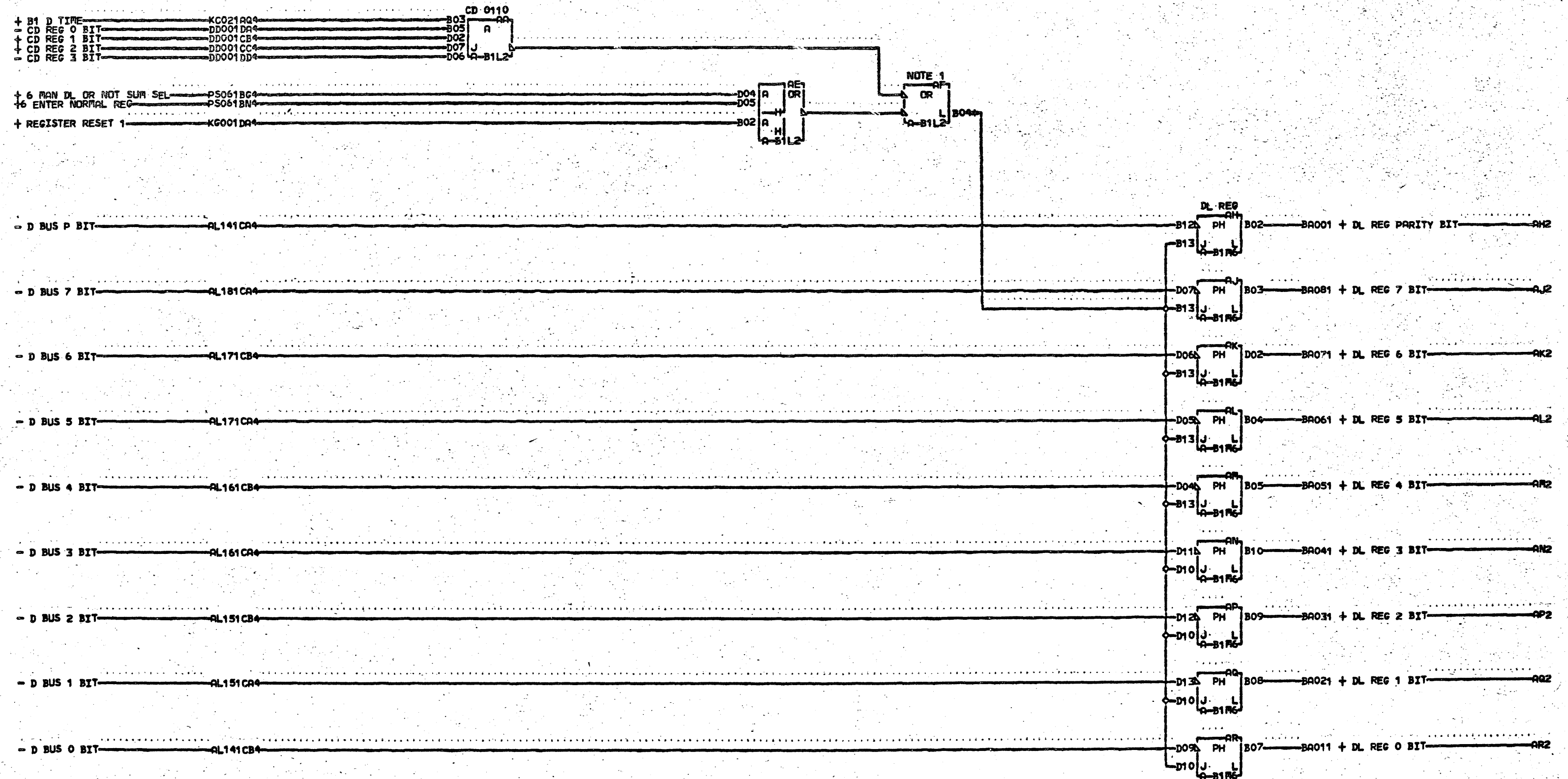


NOTE 1. INTERNAL
WIRING ON PINS
R B020 B030 D050 D060
D SEE RF0010 RK0010
000

AF4 RESISTOR
A-B1J2B12

LOC. TYPE
A-B1H6 4007
A-B1J2 3572

DH REGISTER	
E.C.-HISTORY	MACH-2314-FCU
DATE	LAST EC
03-30-66	416120
IBM CORP. GPD	P.N. 2209440
RD001	000

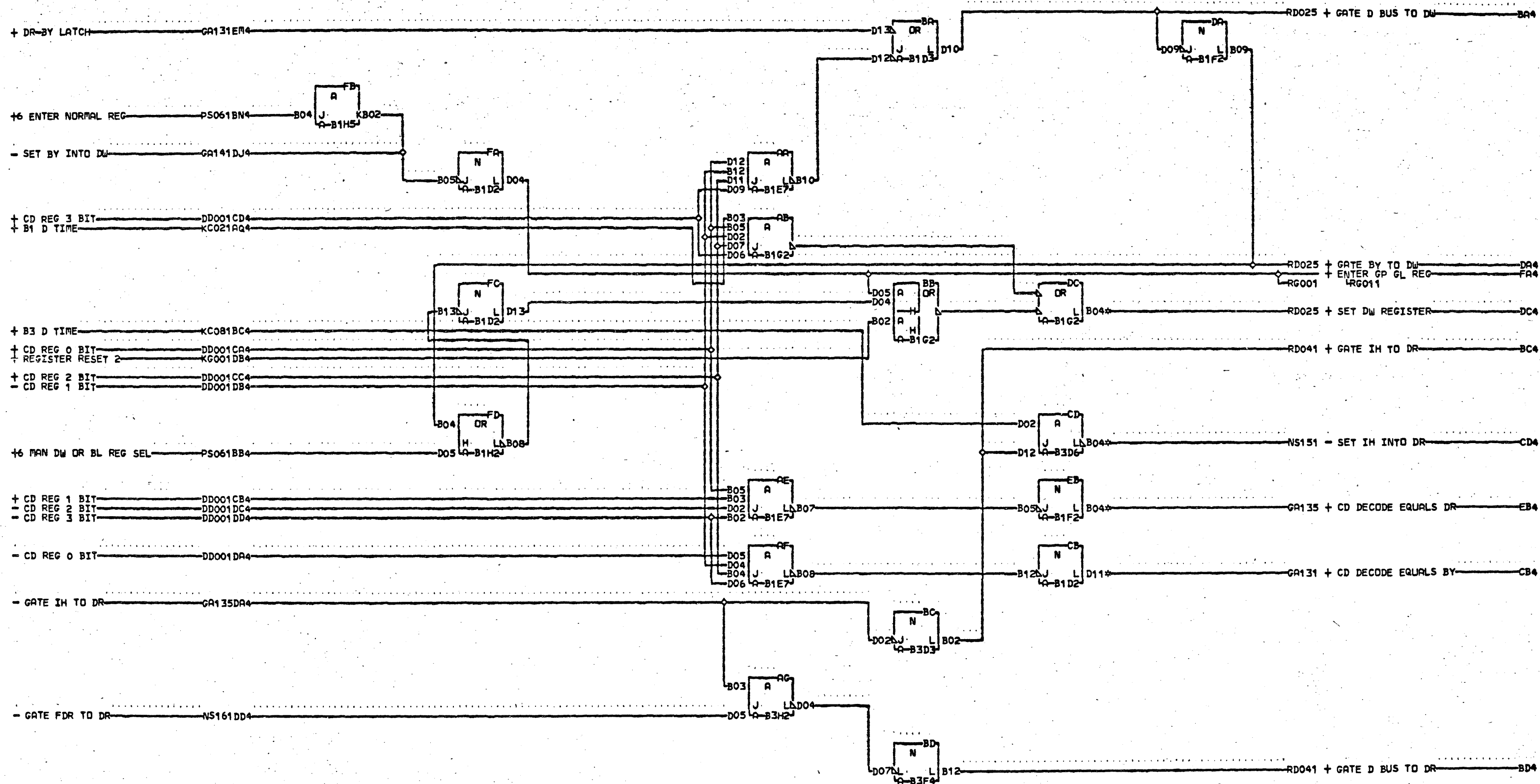


NOTE 1. INTERNAL
WIRING ON PINS
R B020 B030 D050 D060
D SEE RC0010 RU 0010

AF4 RESISTOR
A-B1L2B04

LOC. TYPE
A-B1L2 3572
A-B1M6 4007

DL REGISTER		R D 0 1 1
E-C-HISTORY		
MACH-2314-FCU		000
FRAME 01		
IBM CORP. CPD		
DATE	LAST EC	
03-30-66	416120	
P.N. 2209441		

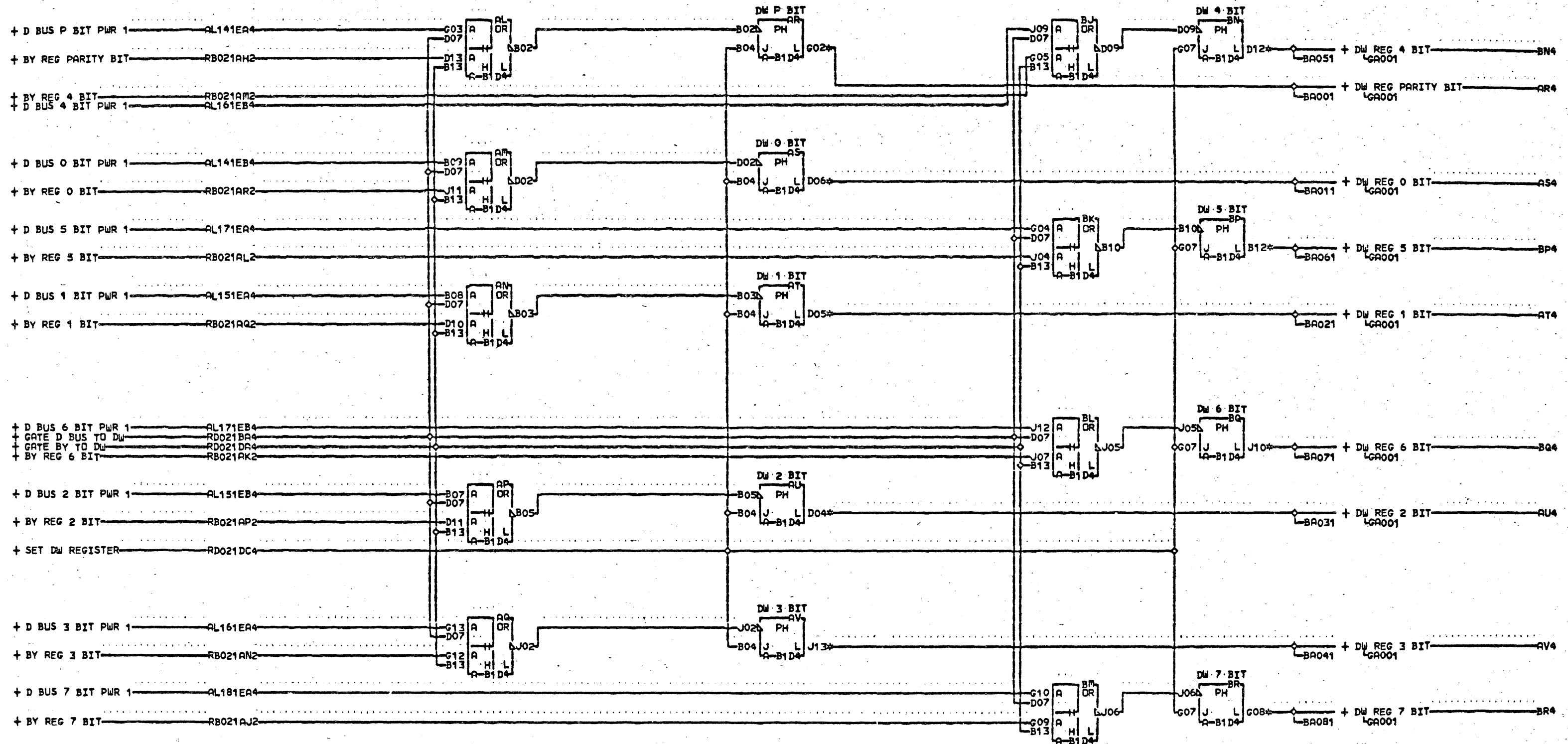


CB4 A-C3A5D10
 01A-B1A3D10
 CD4 A-B3A6B09
 01A-C2A6B09
 DC4 RESISTOR
 A-B1G2B04
 EB4 A-B1A3D11
 01A-C3A5D11

LOC. TYPE
 A-B1D2 3016
 A-B1D3 0199
 A-B1E7 0531
 A-B1F2 3575
 A-B1G2 3572
 A-B1H2 0007
 A-B1H5 0238
 A-B3D3 0199
 A-B3D6 0212

LOC. TYPE
 A-B3F4 0346
 A-B3H2 0000

DW REGISTER		R D 0 2 1
SET PULSE AND DATA GATING		
E.C. HISTORY	MACH. 2314-FCU	000
416120		
DATE	LAST EC	P.N. 2209442
08-30-66	416126	



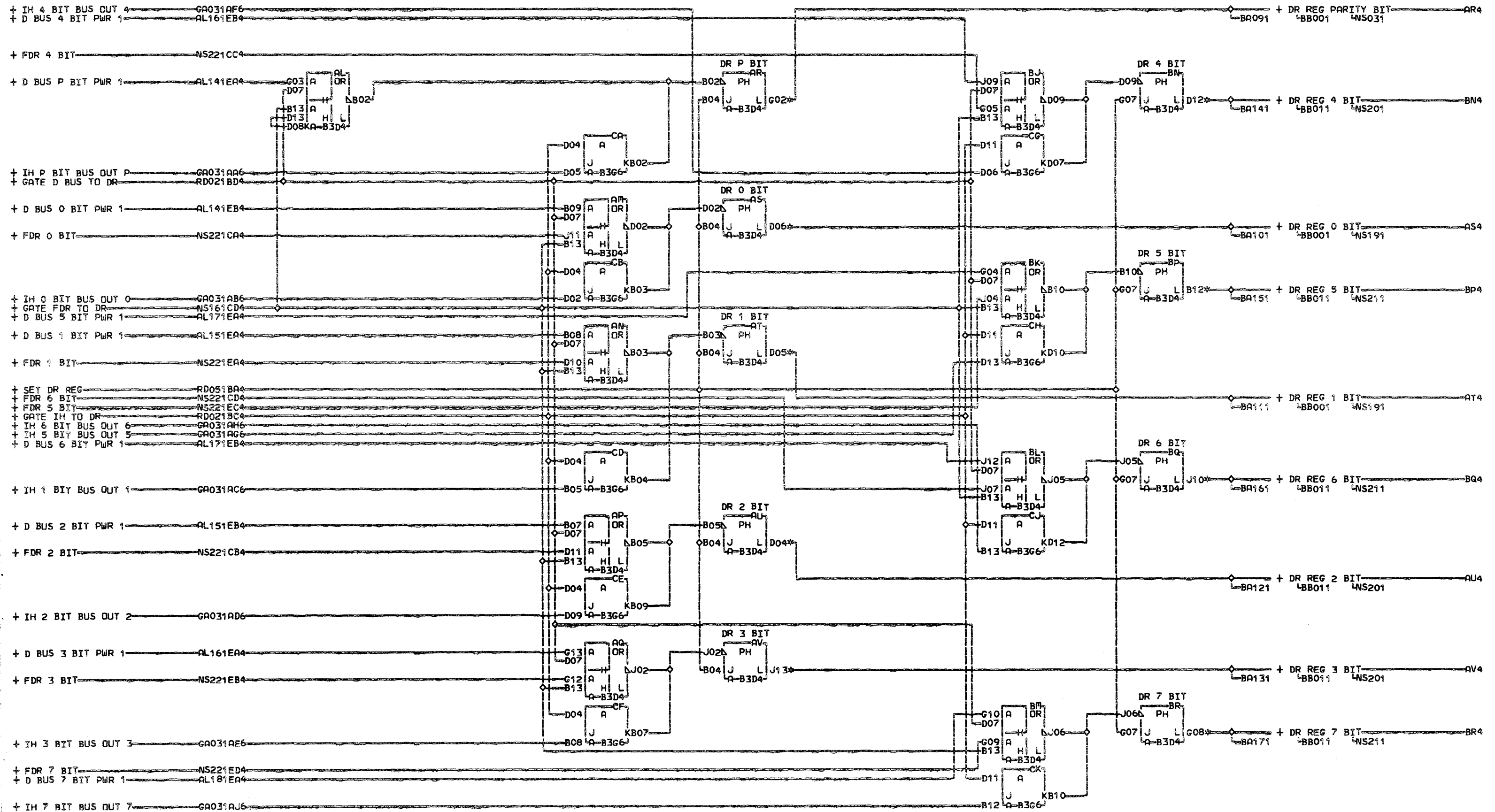
AR4 A-B1A6D02 01A-C3A4D03
 01A-C3A4D02 BN4 A-B1A6B05
 AS4 A-B1A6D07 01A-C3A4B05
 01A-C3A4D07 BP4 A-B1A6D04
 AT4 A-B1A6B07 01A-C3A4D04
 01A-C3A4B07 BQ4 A-B1A6B04
 AU4 A-B1A6D06 01A-C3A4B04
 01A-C3A4D06 BR4 A-B1A6B03
 AV4 A-B1A6D05 01A-C3A4B03

LOC. TYPE
 A-B1D4 4067

DW ASSEM AND REG	
E.C.-HISTORY	MACH-2314-FCU
DATE	LAST EC
03-30-66	416120
FRAME	01
IBM CORP. GPD	P.N. 2209460

RD025

000

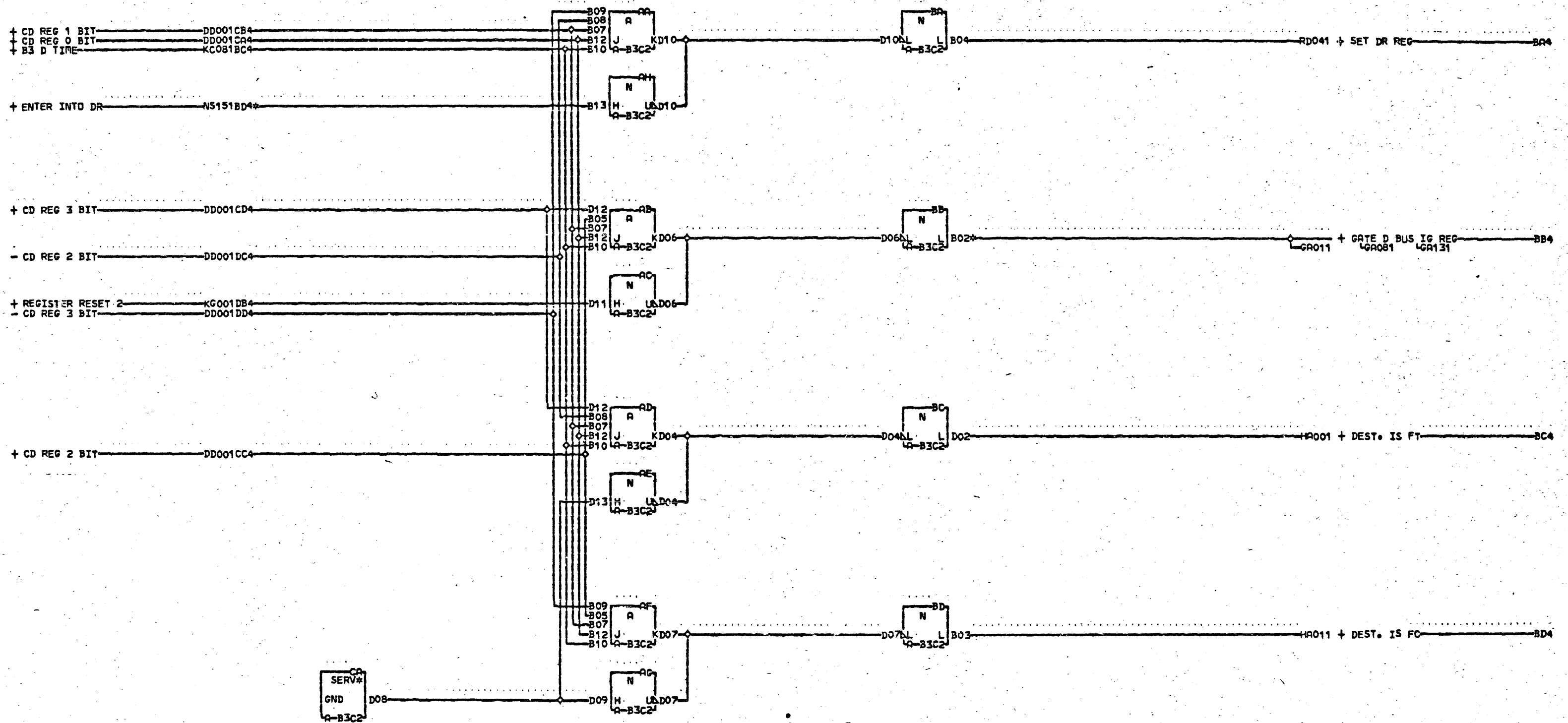
R
D
0
4
1

000

AR4 A-B3A2B12	01A-C1C8A06	AU4 A-B3A2B10	01A-C1C8D04	BP4 A-B3A2B08	01A-C1C8B04
01A-C2A7B12	01A-C1A5D10	01A-C2A7B10	01A-C1A7B12	01A-C2A7B08	01A-C1A7D09
01A-C2B1D09	01A-B1N5D10	01A-C2C1C09	01A-B1N7B12	01A-C2B1E09	01A-B1N7D09
01A-C1B8D04	AT4 A-B3A2B09	01A-C1C8C04	BN4 A-B3A2D07	01A-C1B8E04	BR4 A-B3A2D11
01A-C1A5B03	01A-C2A7B09	01A-C1A7B10	01A-C2A7D07	01A-C1A7B02	01A-C2A7D11
01A-B1N5B03	01A-C2C1B11	01A-B1N7B10	01A-C2A1E11	01A-B1N7B02	01A-C2C1E11
AS4 A-B3A2B07	01A-C1C8B06	AV4 A-B3A2D10	01A-C1A8E06	BQ4 A-B3A2D09	01A-C1C8E06
01A-C2A7B07	01A-C1A7B03	01A-C2A7D10	01A-C1A5B10	01A-C2A7D09	01A-C1A7D13
01A-C2C1A11	01A-B1N7B03	01A-C2C1D09	01A-B1N5B10	01A-C2C1B09	01A-B1N7D13

LOC. TYPE
A-B3D4 4067
A-B3G6 3575

DR ASSEM AND REG		R
E-C-HISTORY	MACH-2314-FCU	D
DATE	LAST EC	0
03-30-66	416120	4
P.No.	2209444	1
		000



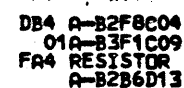
NS151BD4
RESISTOR
A-B3B3D05
BB4 A-B3N2D11
01A-C3A2D11

LOC. TYPE
A-B3B3 4061
A-B3C2 3487

DR FT FC IG DESTINATION DECODE			
E.C.-HISTORY		MACH.2314-FCU	
416120		FRAME	01
DATE		IBM CORP. SDD	
04-14-66		P.N. 2209459	
LAST EC			
416121			

RD051

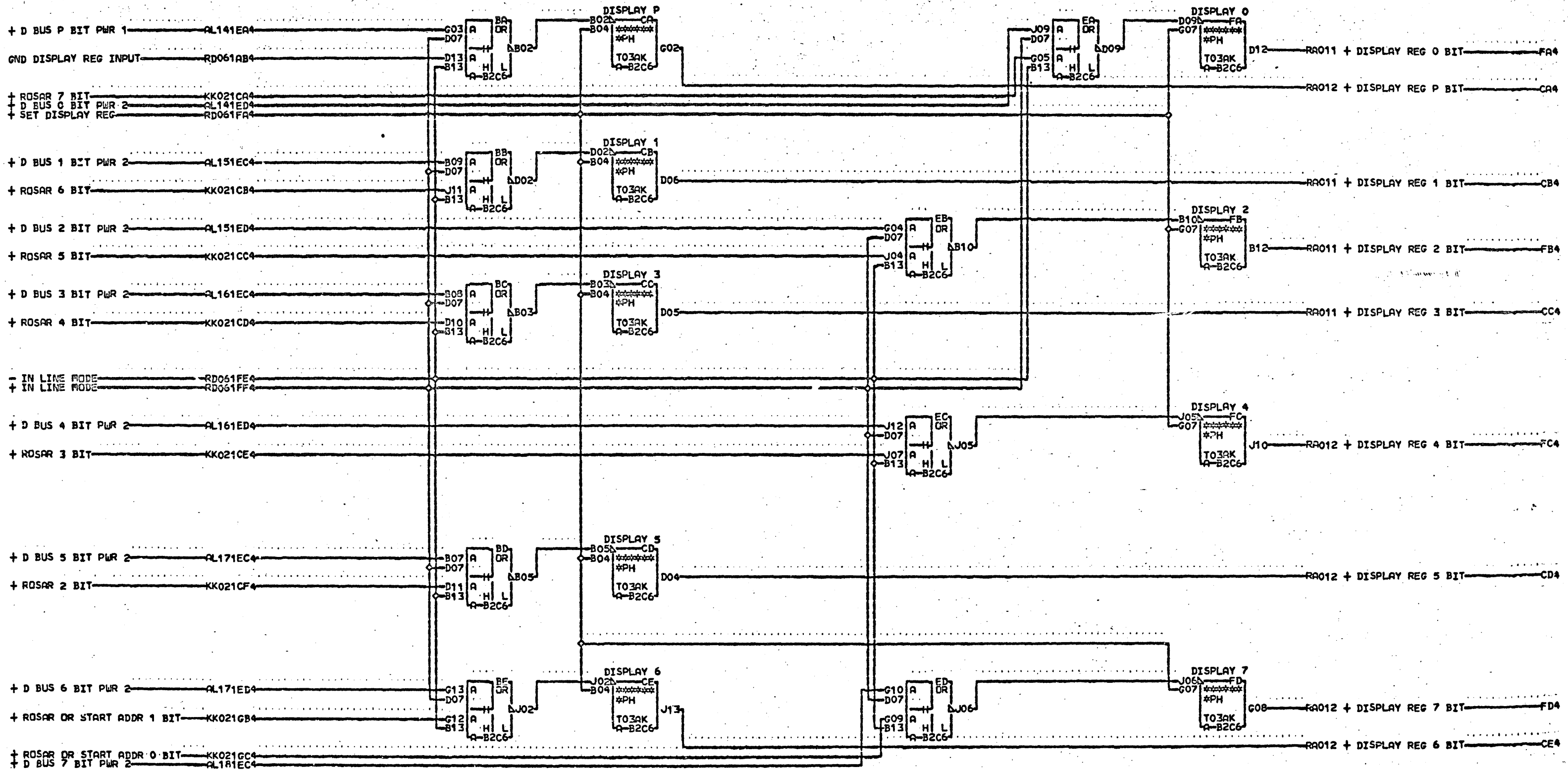
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```

DISPLAY REG CONTROLS
-----E.C. HISTORY-----
416120
416122
416123
416124
DATE LAST EC
01-10-67 420637
MACH.2314-FC
FRAME 01
IBM CORP. SD
P.N. 2209462

```

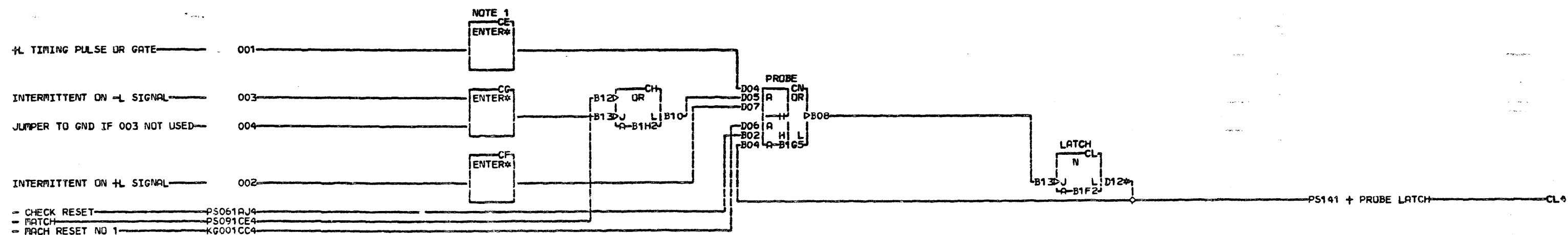
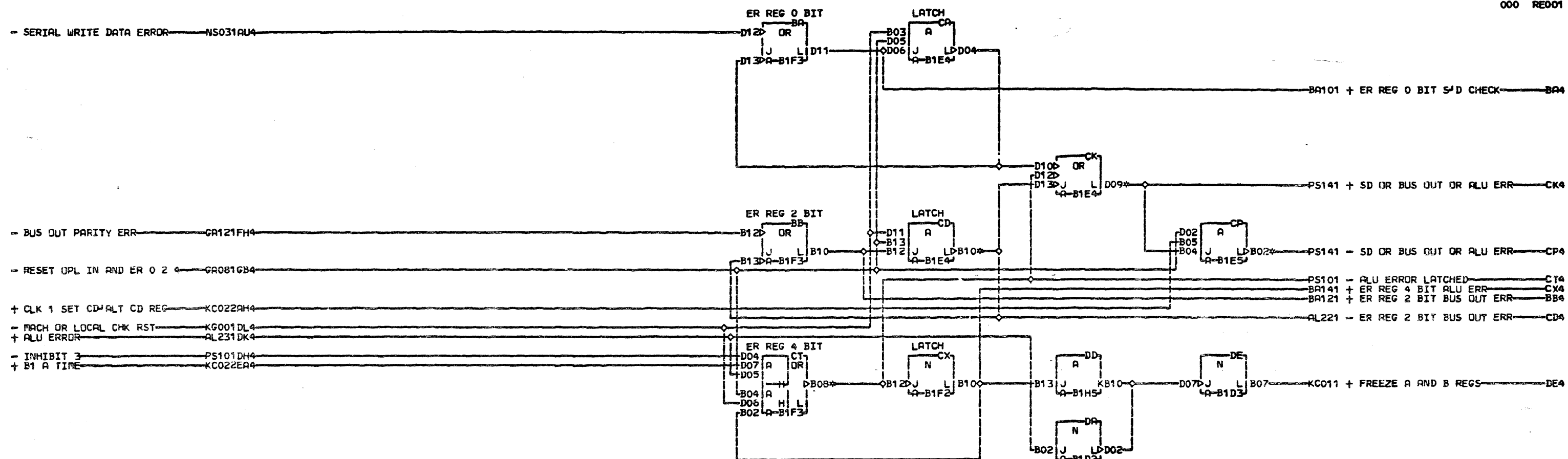


RD062
000

LOC. TYPE
A-B2C6 4067

DISPLAY REGISTER	
E.C.-HISTORY	MACH-2314-FCU
DATE	FRAME
04-06-66	416120
LAST EC	IBM CORP. SDD
416120	P.N. 2209463

RD062
000



NOTE 1 SEE KC029 FOR 81 CLOCK

R USE ONLY + D OR + A
E TIME OR + CLOCK 4.

USE ONLY + D OR +
E TIME OR + CLOCK 4.

001

•

000

000

CD4 A-B1A2B03 01A-C1A7D12
01A-B2A2B03
CK4 A-B1N5B13
01A-C1A5B13
CL4 A-B1N5D13
01A-C1A5D13
CP4 A-B1N5D12
01A-C1A5D12
CT4 A-B1N7D12

CD4 8-B192B03

01A-B2A2B03

CK4 A-B1N5B13

01A-C1A5B1
C1A-B1NEB1

018-6185013

CP4 H-B1N5D12

01A-C1ASD12

CT4 A-B1N7D12

LJC.	TYPE
P-B1D2	3016
P-B1D3	0199
P-B1E4	0002
P-B1E5	0002
P-B1F2	3575
P-B1F3	0007
P-B1G5	0007
P-B1H2	0007
P-B1H5	0238

LCC TYPE

A-B1 D2 3016

A-B1D3 0199

Q-81E4 0002
Q-81E5 0002

B1EJ 0002
B1F2 3575

A-B1F3 0007

H-8165 0007

4-B1H2 0007
0-B1H2 0378

4-8113 0238

```

ER REGISTER
-----E.C. HISTORY-----
416120
416130
416131
DATE          LAST EC
01-22-68  420919
MACH.2314-FCU
FRAME        01
IBM CORP. GFD
P.N. 2209445
000

```

100-443889

1-EOC-HISTORY
1416120

1416130

1416131

DATE _____ LOSS _____

DATE LAST
101-22-68 4208

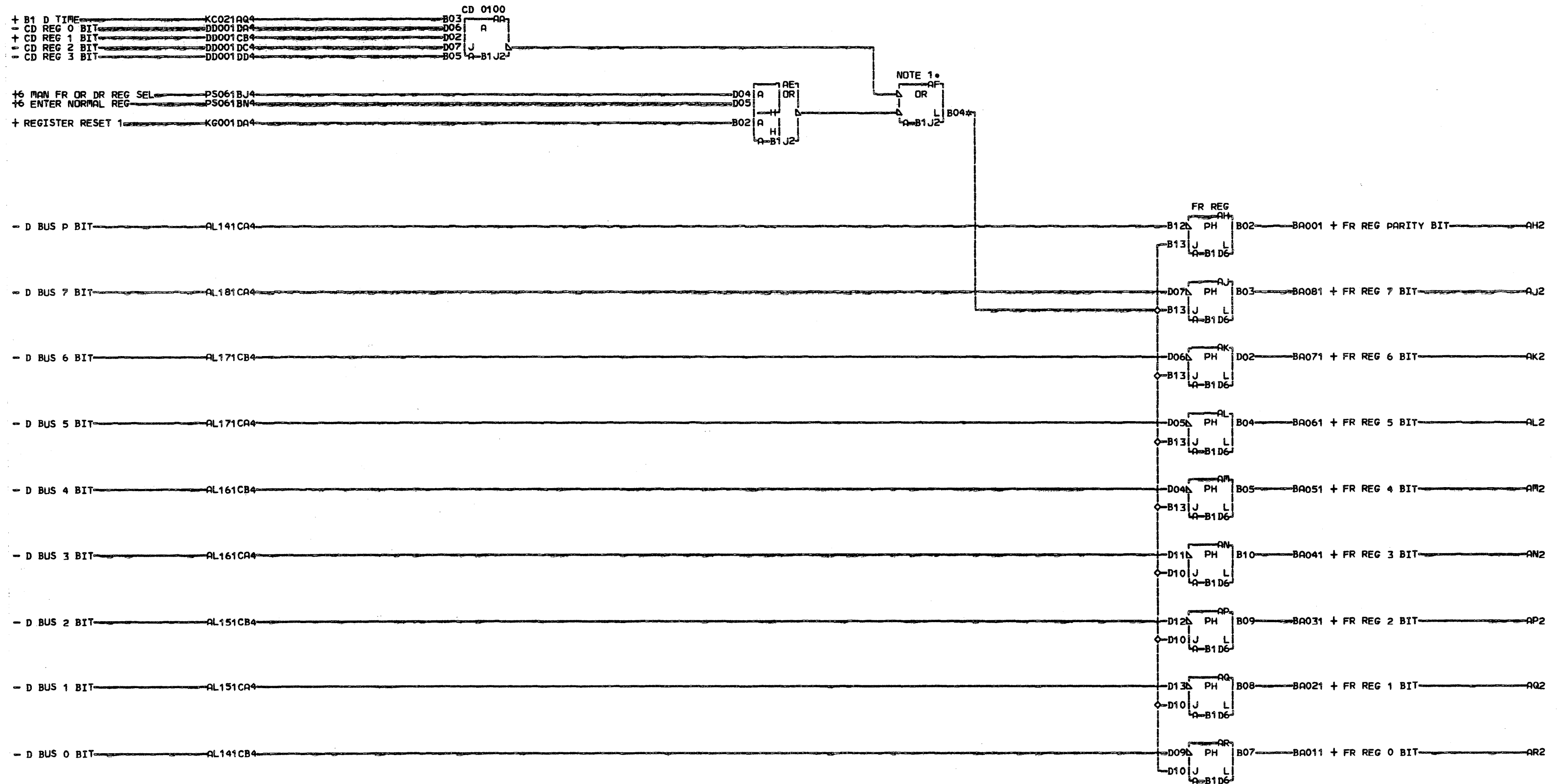
FOUO 2714-FCM

7 NACR 2314-4CU

FRAME 01

KMOOR

100



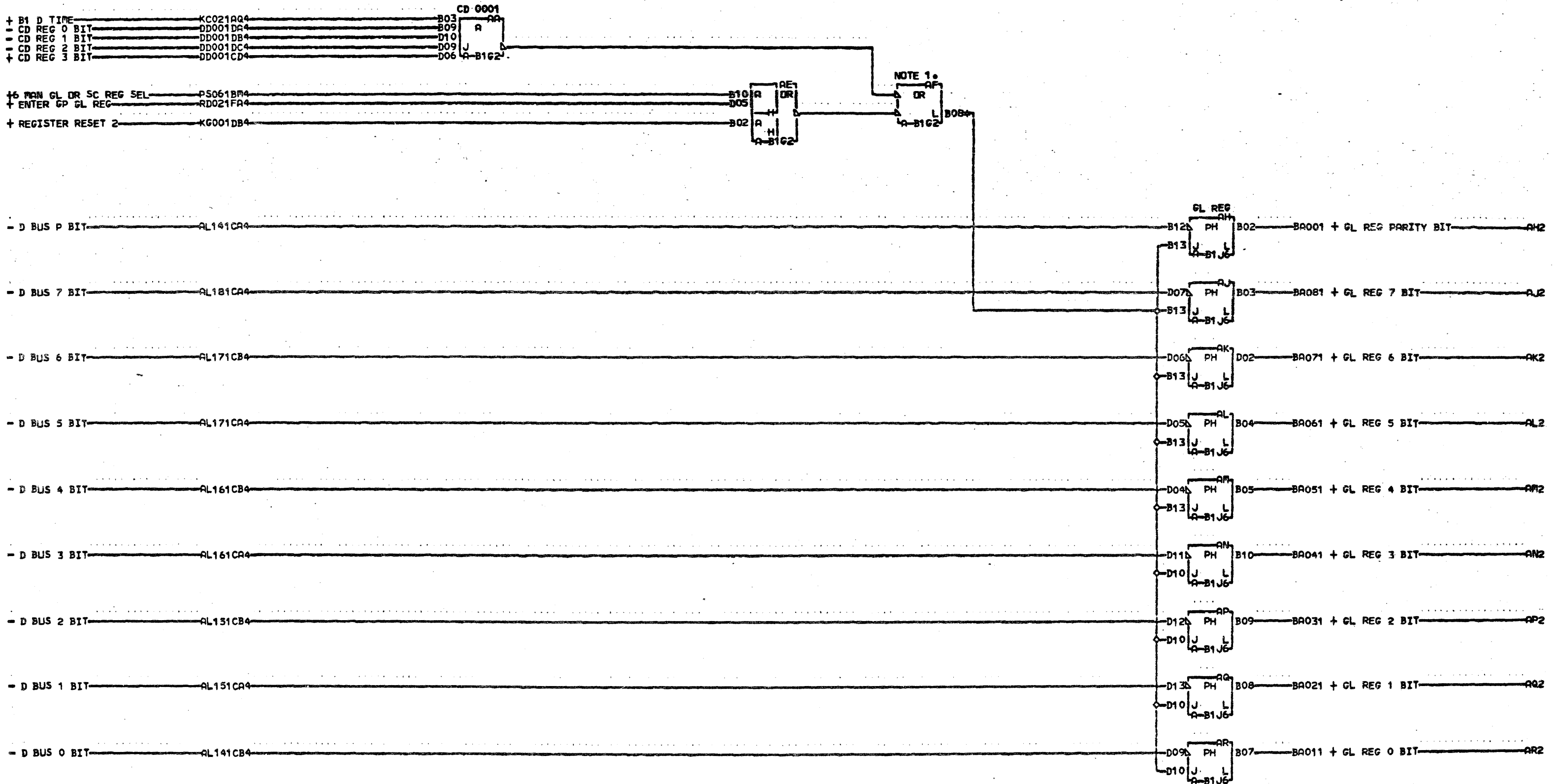
NOTE 1. INTERNAL
WIRING ON PINS
R B020 B030 D050 D060
F SEE RD0010 RK001.

AF4 RESISTOR
A-B1J2B04

LDC. TYPE
A-B1D6 4007
A-B1J2 3572

FR REGISTER	
E-C-HISTORY	MACH.2314-FCU
FRAME	01
IBM CORP. GPD	
DATE	LAST EC
03-30-66	416120
P.N.	2209446

RF001



NOTE 1. INTERNAL
WIRING ON PINS
R B02, B03, D05, D06,
C SEE RB011, RB021.

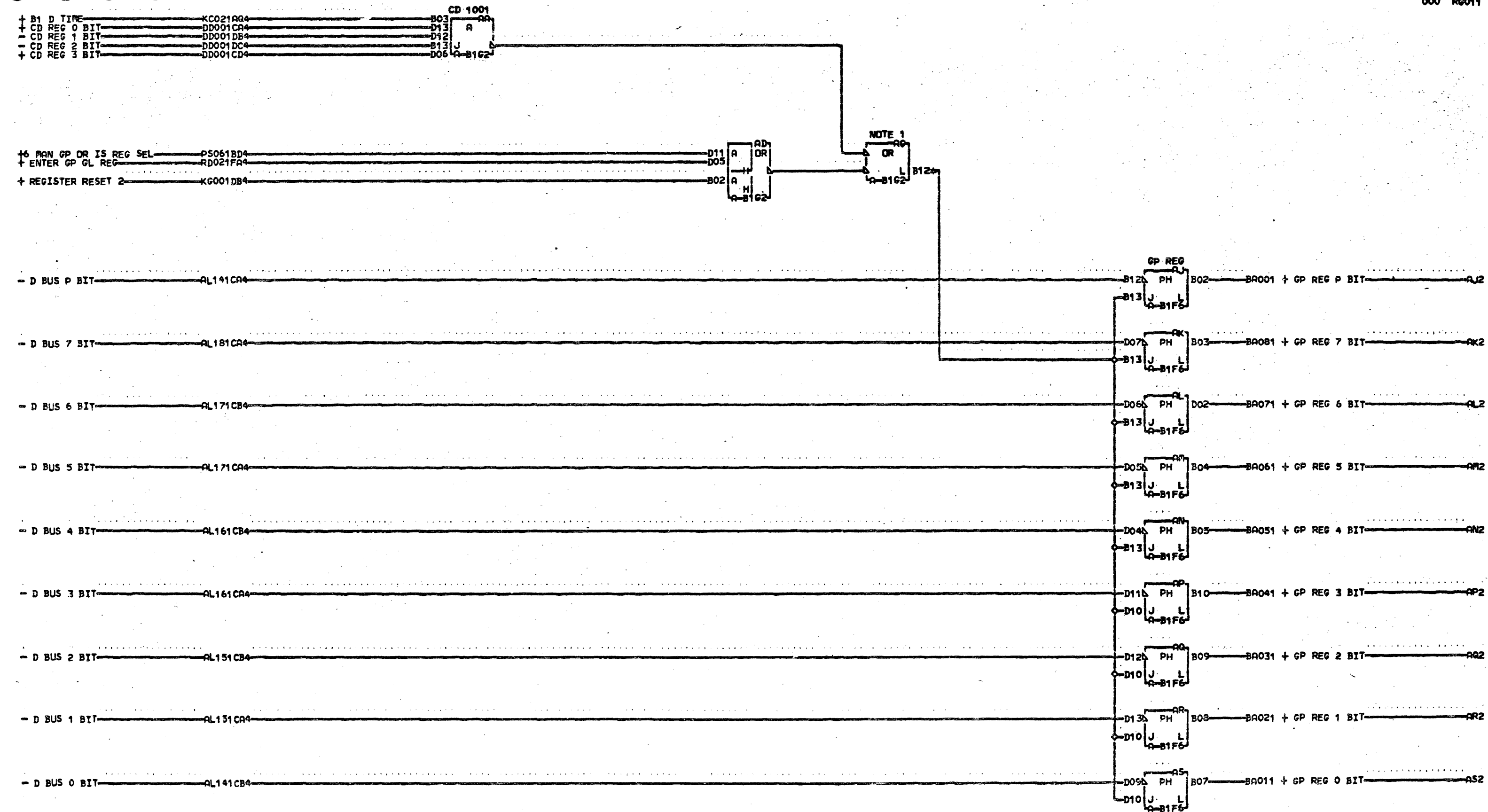
AF4 RESISTOR
A-B1G2B08

LOC. TYPE
A-B1G2 3572
A-B1J6 4007

GL REGISTER	
E-C-HISTORY	MACH-2314-FCU
FRAME	01
DATE	03-30-66
LAST EC	416120
P.N.	2209447

RG001

000



NOTE 1. INTERNAL
WIRING ON PINS
R B020 B030 D050
C D06. SEE R5041.

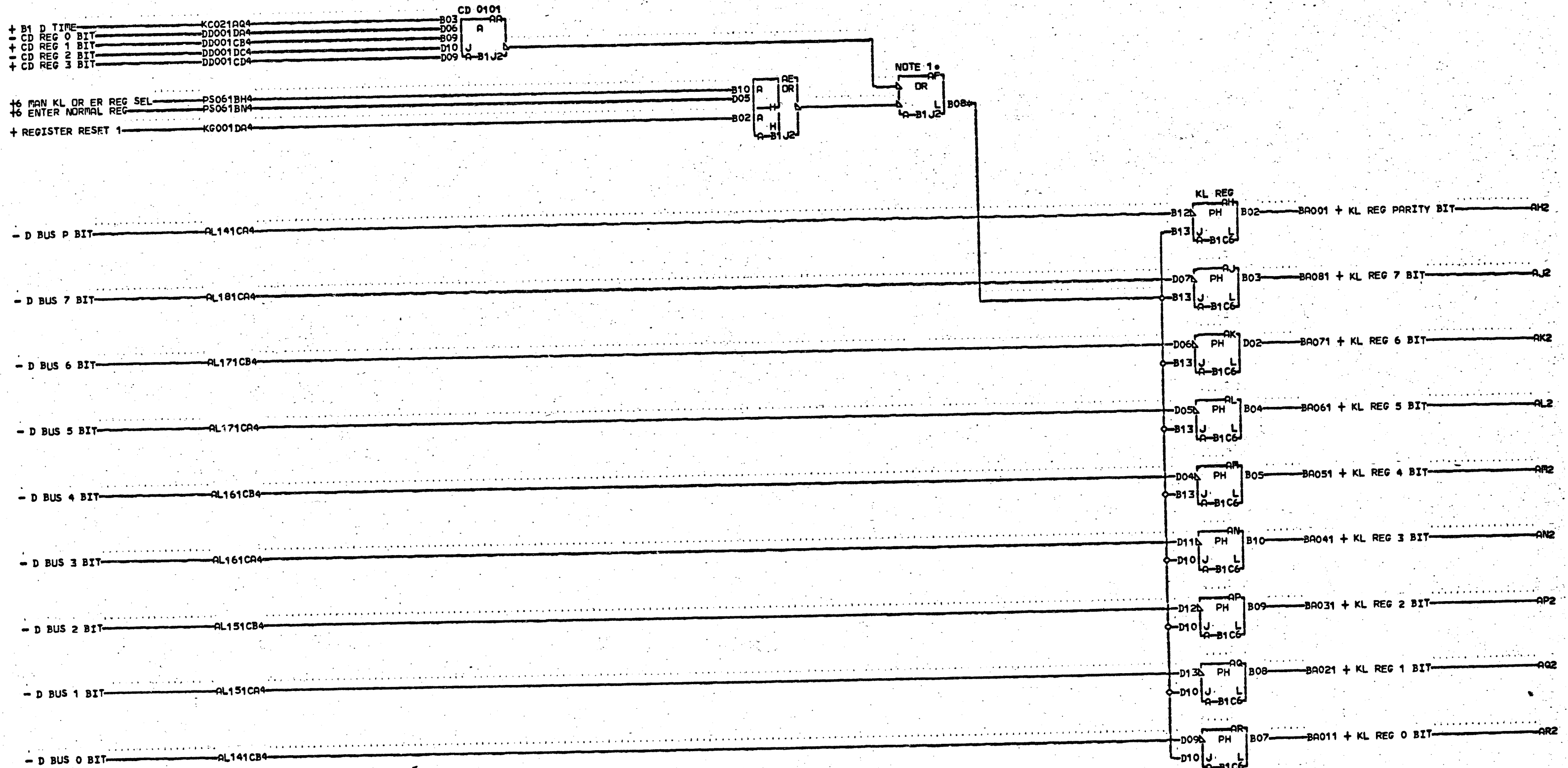
AG4 RESISTOR
A-B1G2B12

LDC. TYPE
A-B1F6 4007
A-B1G2 3572

GP REGISTER	
E-C-HISTORY	FRAME 01
DATE LAST EC	IBM CORP. GPD
03-30-66 416120	P.N. 220J448

RG011

000

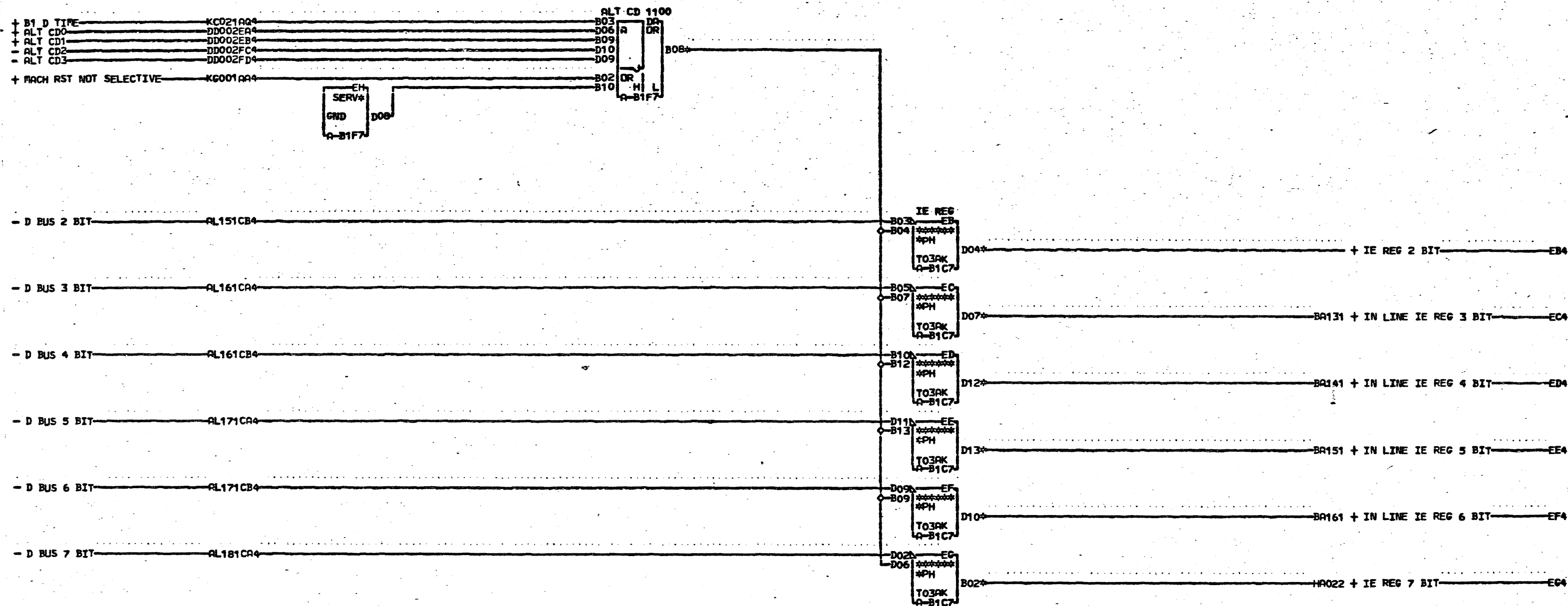


NOTE 1. INTERNAL
WIRING ON PINS
B02, B03, D05, D06.
SEE RD001, RF001.

AF4 RESISTOR
A-B1J2B08

LOC. TYPE
A-B1C6 4007
A-B1J2 3572

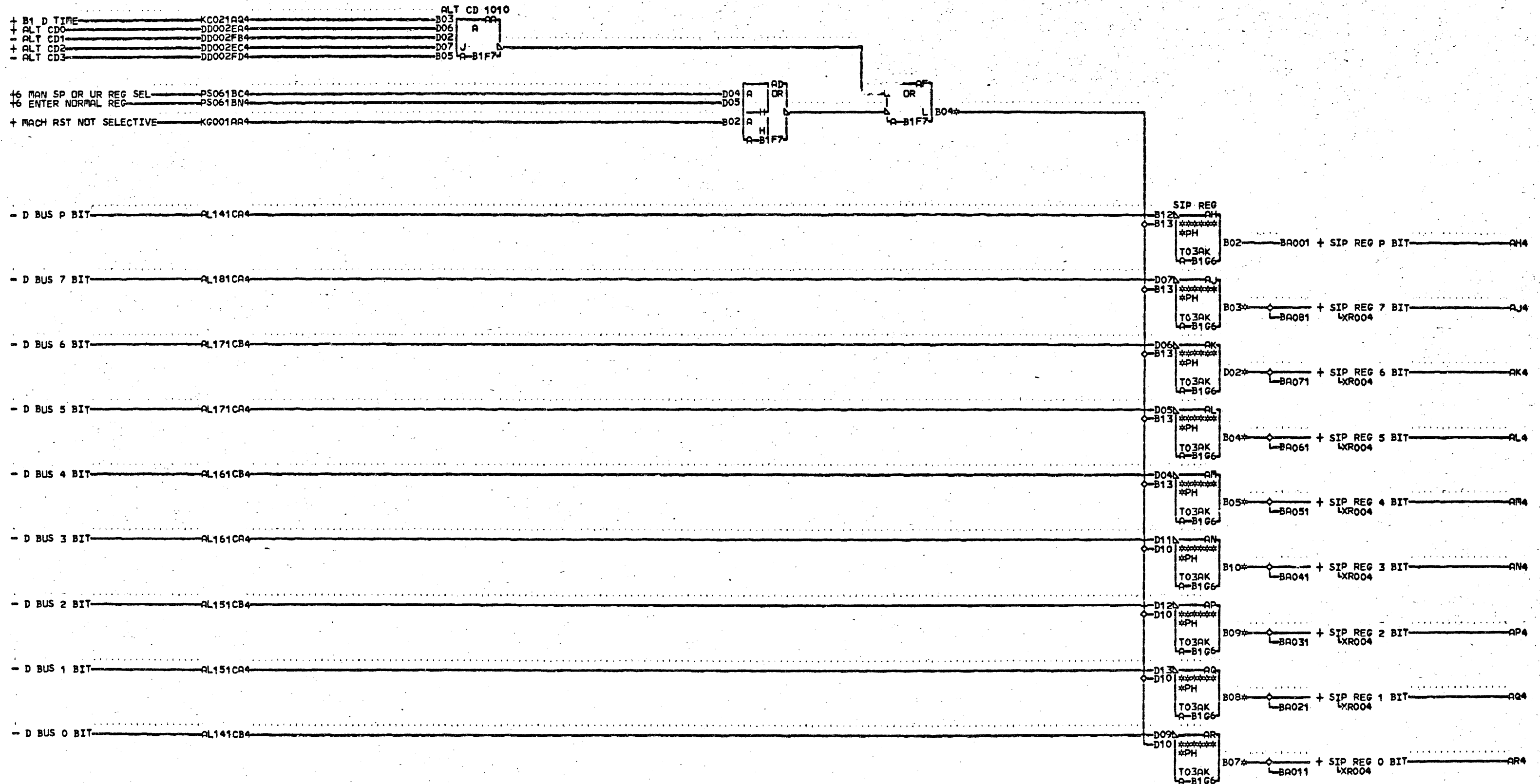
KL REGISTER		R K 0 0 1 000
E.C.-HISTORY	MACH-2314-FCU	
DATE	LAST EC	
03-30-66	416120	
IBM CORP. GPD	P.N. 2209449	



DA4 RESISTOR 01A-B3A4B07
A-B1F7B08 EF4 A-B1A5D05
EB4 A-B1A3B09 01A-B3A3D05
01A-A3N5B09 EG4 A-B1A2B13
EC4 A-B1A4D05 01A-B2A2B13
01A-B3A4D05 01A-B2F8E04
ED4 A-B1A4D06 01A-B3F1E09
01A-B3A4D06
EE4 A-B1A4B07

LDC TYPE
A-B1C7 0813
A-B1F7 3572

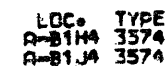
IE CONTROL REGISTER	
E.C. HISTORY	MACH.2314-FCU
416129	FRAME 01
416130	IBR CORP. SDD
420901	P.N. 2244842
DATE 06-26-67	LAST EC 420908



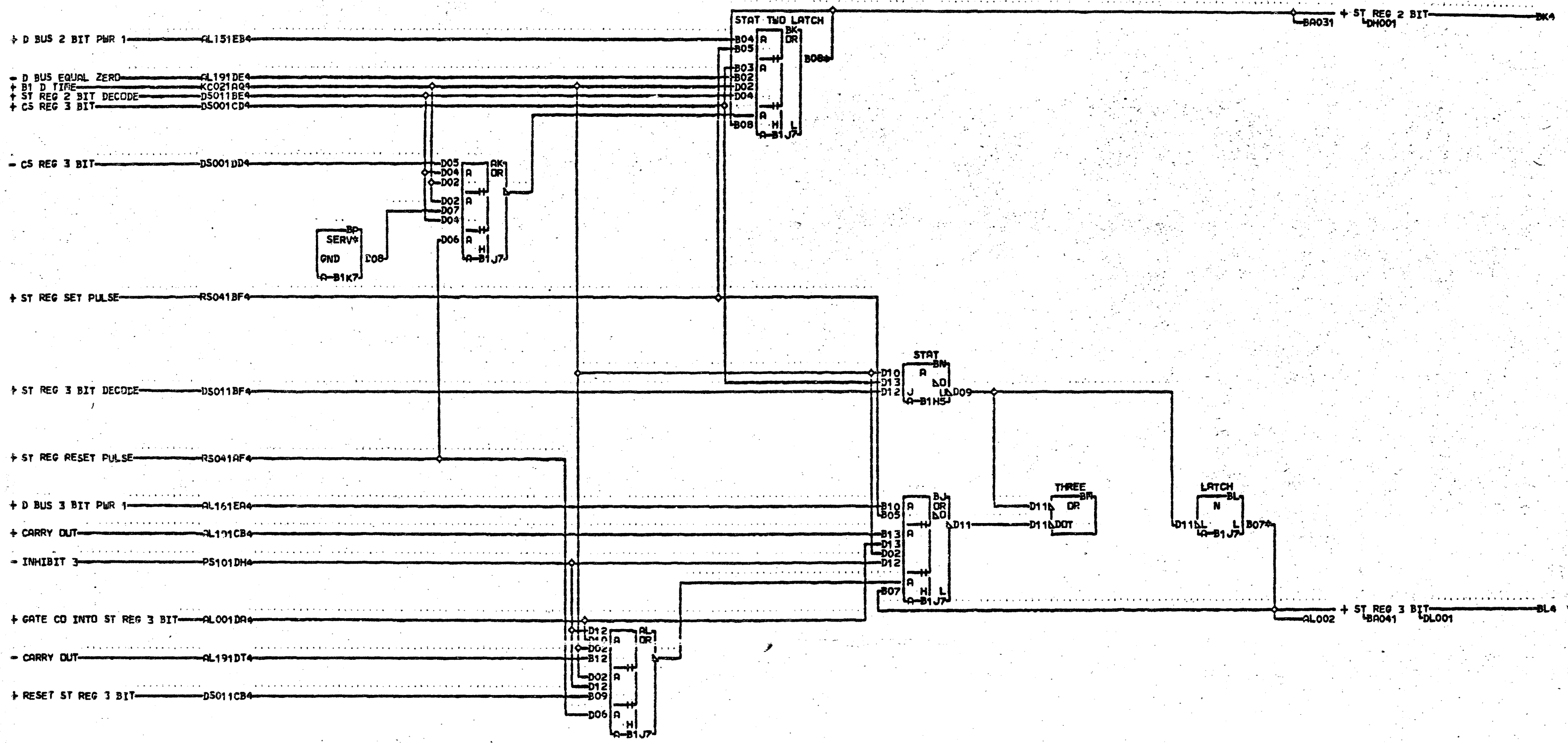
AF4 RESISTOR 01A-C3B6D07
 A-B1F7B04 AN4 A-B1M5D06
 AJ4 A-B1M5D11 01A-C3B6D06
 01A-C3B6D11 AP4 A-B1M5B05
 AK4 A-B1M5B10 01A-C3B6B05
 01A-C3B6B10 AQ4 A-B1M5B04
 AL4 A-B1M5B09 01A-C3B6B04
 01A-C3B6B09 AR4 A-B1M5D02
 AM4 A-B1M5D07 01A-C3B6D02

LOC. TYPE
 A-B1F7 3572
 A-B1G6 4007

SEEK IN PROGRESS REGISTER	
E.C. HISTORY	MACH.2314-FCU
416120	FRAME 01
416122	IBM CORP. SDD
416125	P.N. 2209425
DATE LAST EC	
09-21-66 416129	



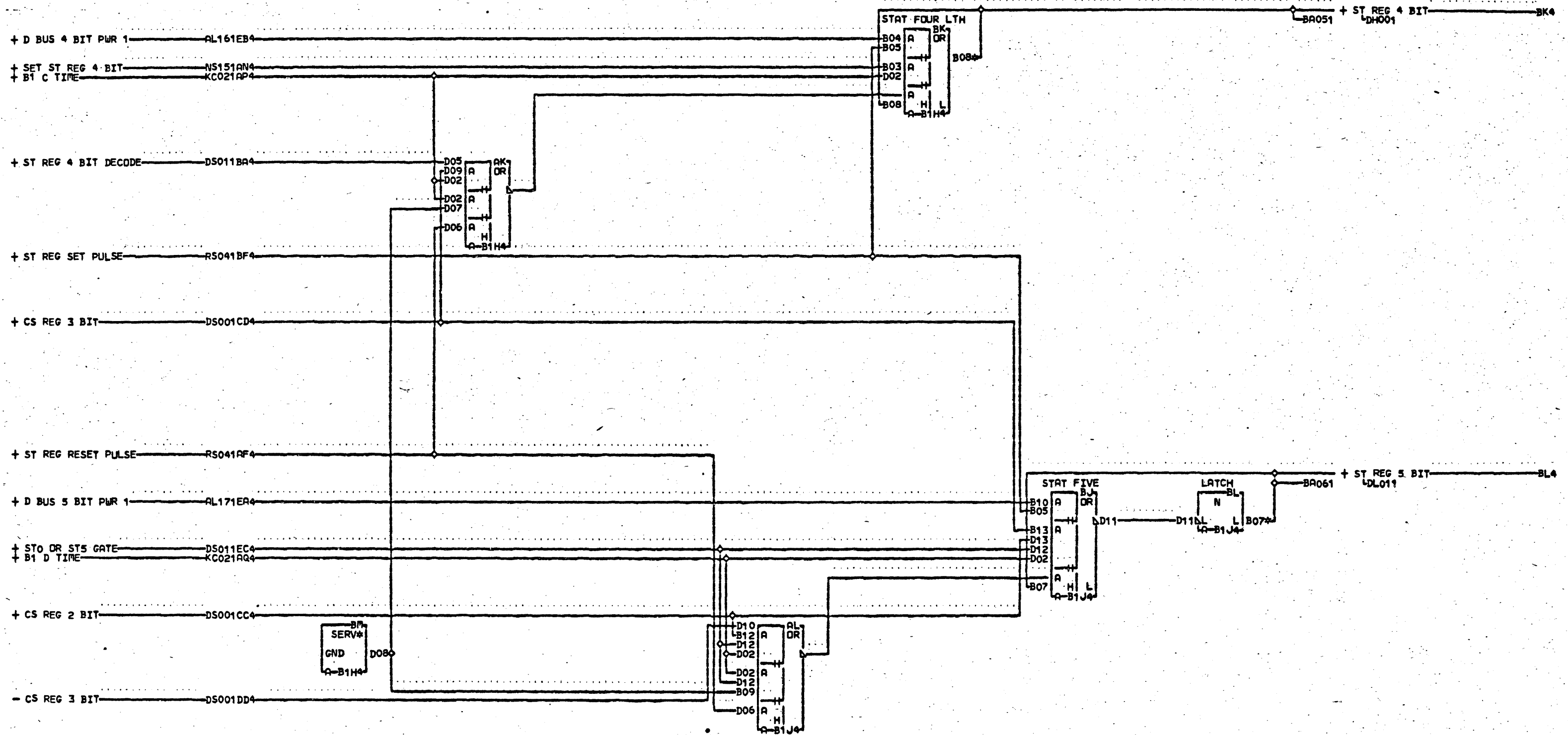
BK4 A-B1N4D07
01A-C1A4D07
BL4 A-B1N4B08
01A-C1A4B08



BK4 A-B1N4B09
01A-C1A4B09
BL4 A-B1N4D09
01A-C1A4D09
01A-B1A8D04
01A-B2M1D09

LOC. TYPE
A-B1H5 0238
A-B1J7 3574

STATUS REGISTER	
BITS 2 3	
E.C. HISTORY	RACH-2314-FCU
DATE	FRAME 01
LAST EC	IBM CORP. GPD
03-30-66 416120	P.N. 2209451



BK4 A-B1N4B10
 01A-C1A4B10
 BL4 A-B1N4D10
 01A-C1A4D10

LOC. TYPE
 A-B1H4 3574
 A-B1J4 3574

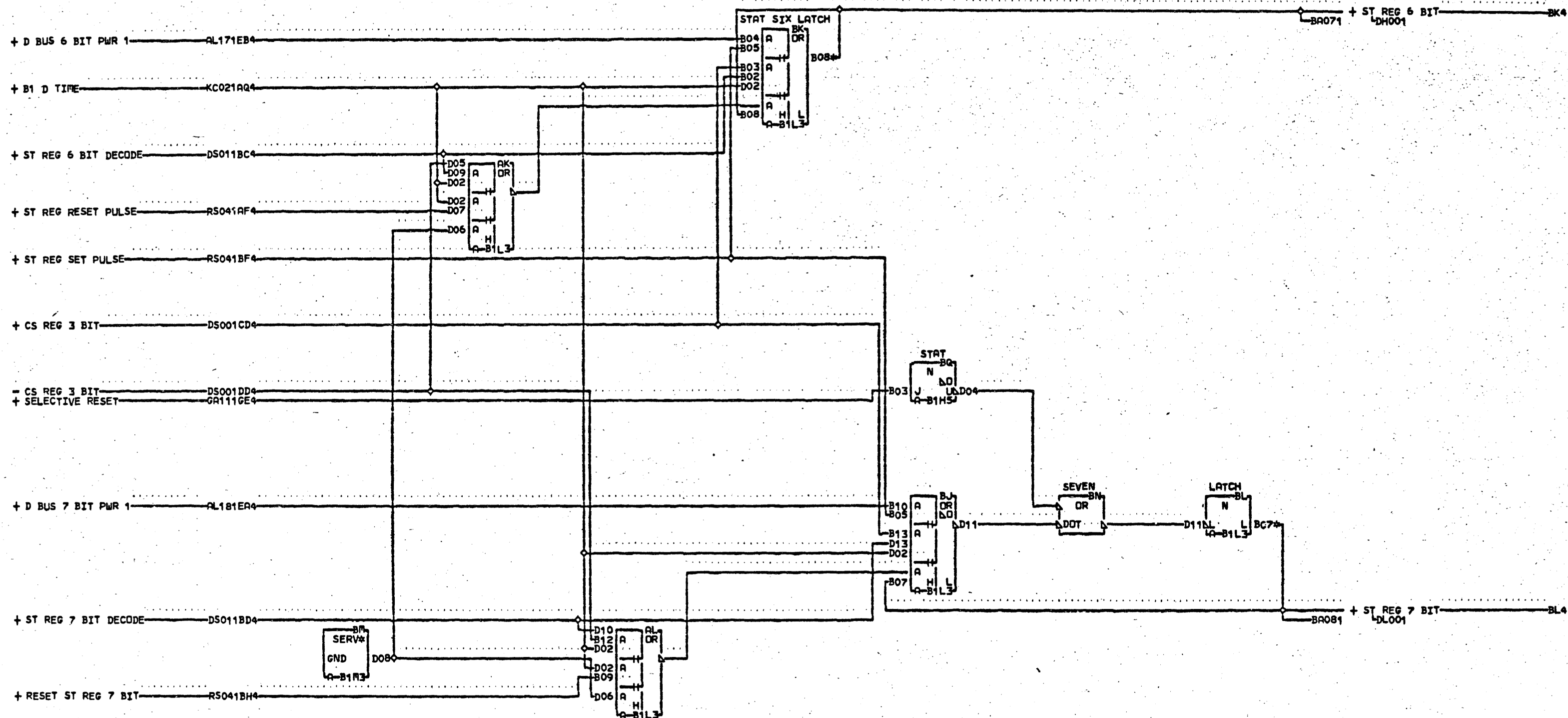
STATUS REGISTER	
BITS 4 5	
E-C-HISTORY	MACH-2314-FCU
FRAME	01
IBM CORP. GPD	
DATE LAST EC	PoN 2209452
03-30-66 416120	

R5021

000

R5021

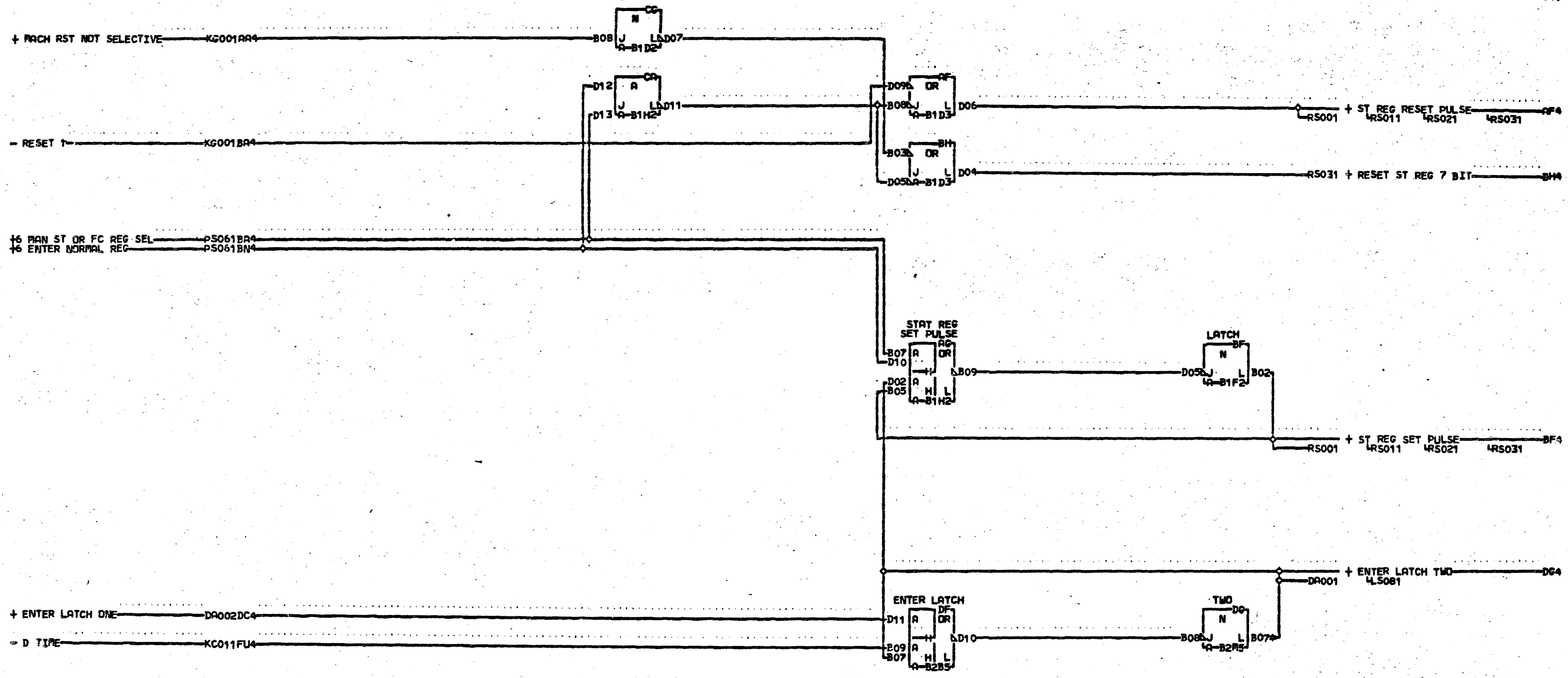
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BK4 A-B1N4D11
 O1A-C1A4D11
 BL4 A-B1N4B12
 O1A-C1A4B12

LOC. TYPE
 A-B1H5 0238
 A-B1L3 3574

STATUS REGISTER	
BITS 6 7	
E.C. HISTORY	MACH. 2314-FCU
DATE	LAST EC
03-30-66	416120
FRAME	01
IBM CORP. GPD	P.N. 2209453



RS041

000

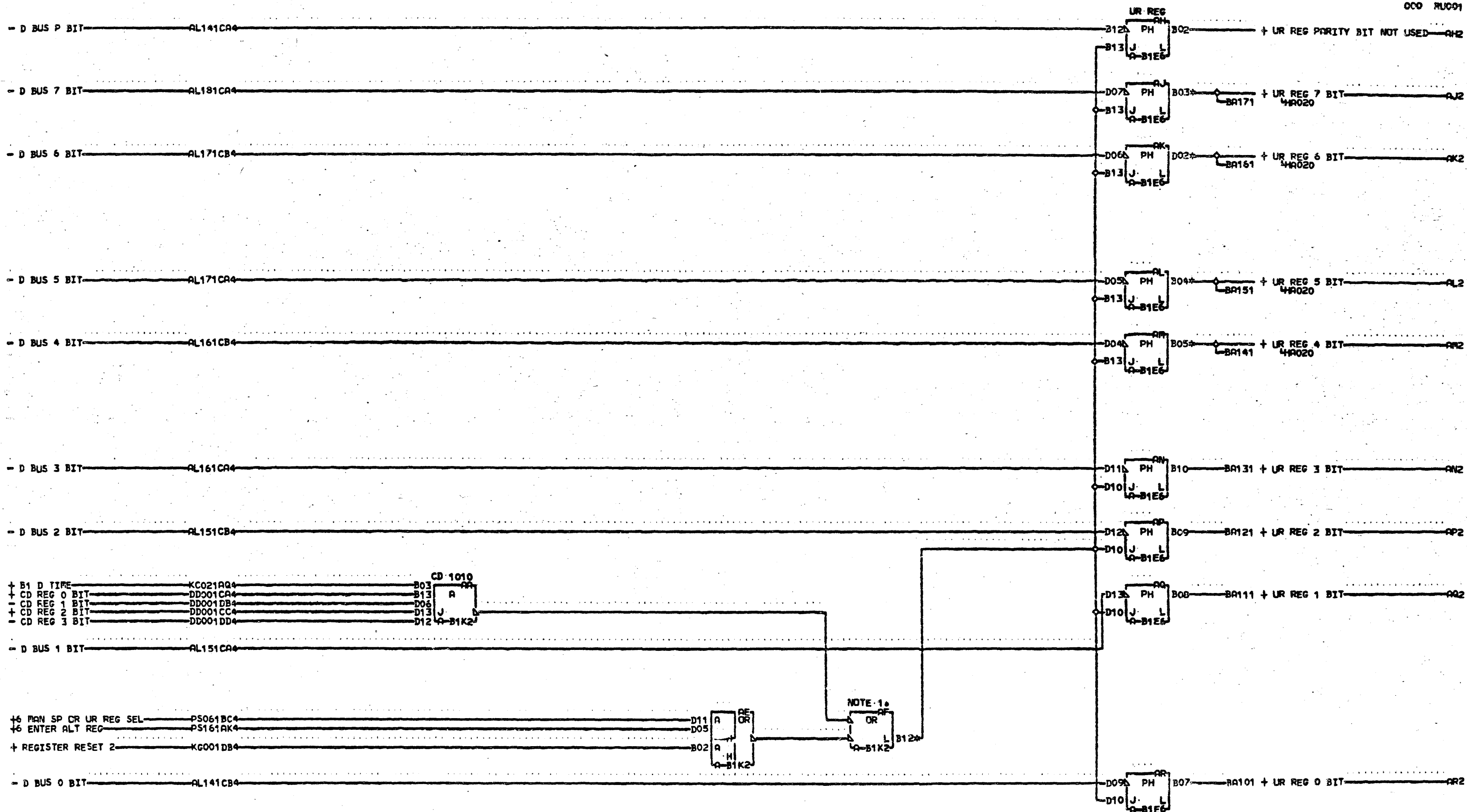
DG4 A-B2M1A09
01A-B1N8A04
01A-B1A7D10
01B-A2A2D10

LOC. TYPE
A-B1D2 3016
A-B1D3 0199
A-B1F2 3575
A-B1H2 0007
A-B2B5 0006
A-B2M5 3575

STATUS REGISTER SET AND RESET PULSE DRIVER	
E.C. HISTORY	MACH.2314-FCU
416120	FRAME 01
DATE LAST EC	IBM CORP. SDD
04-21-66 416122	P.No 2209454

RS041

000



NOTE 1. INTERNAL
WIRING ON PINS
R B020 B030 D050 D060
U SEE R00010 RD0110

AF4 RESISTOR 01A-B3A4B05
AJ2 A-B1K2B12
AJ2 A-B1A4D02
01A-B3A4D02
AK2 A-B1A4B03
01A-B3A4B03
AL2 A-B1A4B04
01A-B3A4B04
AM2 A-B1A4B05

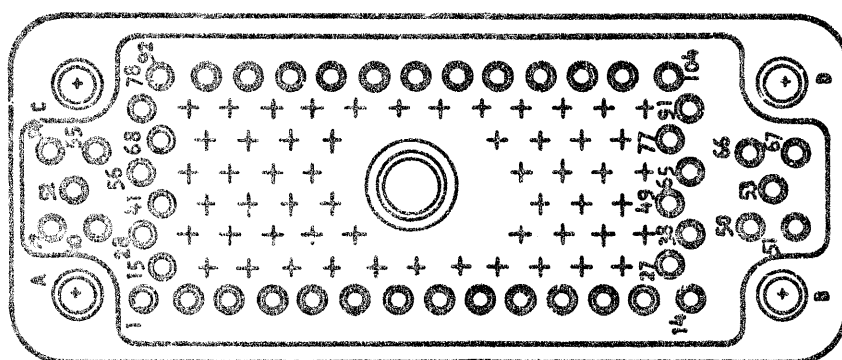
LOC. TYPE
A-B1E6 4007
A-B1K2 3572

UR REGISTER	
E.C. HISTORY	FRACH-2314-FCU
416120	FRAME 01
416122	IBM CORP. SPD
416126	P.O.N. 2209455
DATE LAST EC	
09-20-66 416129	

RU001
000

DATE	EC NUMBER	DATE	EC NUMBER	I/O TESTER
FEB67	420900			INTERFACE (TROS)
				DATE
				FEB67
				P/N
				2250858
				TYPE
				2314/2844
				IBM SP 201

1. * COMMON WITHIN CABLE-83, 85, & 98.
2. X COMMON WITHIN CABLE.



P/N 740549
WIRING SIDE



2	3	4	5	6
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23

WC011	2209808
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SIGNAL CABLES - FCU TO FILE DRIVES

FROM/TO FCU LINE TITLE	FCU LOGIC PAGE		FILE LOGIC PAGE	TO WF002 LINE TITLE
BUS 0 OR WRITE GATE	HA021		WF002	FILE BUS 0
BUS 1 OR READ GATE	HA021		WF002	FILE BUS 1
BUS 2 OR SEEK START	HA021		WF002	FILE BUS 2
BUS 3 OR HEAD RST	HA021		WF002	FILE BUS 3
BUS 4 OR ERASE GATE	HA021		WF002	FILE BUS 4
BUS 5 OR SEL HEAD	HA021		WF002	FILE BUS 5
BUS 6 OR RET TO 00	HA021		WF002	FILE BUS 6
BUS 7 OR HEAD ADV	HA021		WF002	FILE BUS 7
SET DIFF	HA021		WF002	SET DIFFERENCE
SET CYL	HA021		WF002	SET CYLINDER
SET SIGN HEAD	HA021		WF002	SET HEAD & DIRECTION
CONTROL	HA021		WF002	CONTROL
CYLINDER ADDR REG 1	HA051		WF002	CYLINDER ADDR REG 1
CYLINDER ADDR REG 2	HA051		WF002	CYLINDER ADDR REG 2
CYLINDER ADDR REG 4	HA051		WF002	CYLINDER ADDR REG 4
CYLINDER ADDR REG 8	HA051		WF002	CYLINDER ADDR REG 8
CYLINDER ADDR REG 16	HA051		WF002	CYLINDER ADDR REG 16
CYLINDER ADDR REG 32	HA051		WF002	CYLINDER ADDR REG 32
CYLINDER ADDR REG 64	HA051		WF002	CYLINDER ADDR REG 64
CYLINDER ADDR REG 128	HA051		WF002	CYLINDER ADDR REG 128
SELECTED FILE BUSY	HA060		WF002	SELECTED BUSY
SELECTED ON LINE	HA060		WF002	SELECTED ON LINE
SELECTED INDEX	HA060		WF002	SELECTED INDEX
SELECTED UNSAFE	HA060		WF002	FILE UNSAFE
SELECTED SEEK INC	HA060		WF002	SELECTED SEEK INCOMP
SELECTED END OF CYL	HA060		WF002	SELECTED END OF CYL
PACK CHANGE	HA060		WF002	PACK CHANGE
WRITE CURRENT SENSE	HA072		WF002	WRITE CURRENT SENSE
MOD 0 SELECT	HA022		WF002	SELECT MOD 0
MOD 1 SELECT	HA022		WF002	SELECT MOD 1
MOD 2 SELECT	HA022		WF002	SELECT MOD 2
MOD 3 SELECT	HA022		WF002	SELECT MOD 3
MOD 4 SELECT	HA022		WF002	SELECT MOD 4
MOD 5 SELECT	HA022		WF002	SELECT MOD 5
MOD 6 SELECT	HA022		WF002	SELECT MOD 6
MOD 7 SELECT	HA022		WF002	SELECT MOD 7
SPARE MOD SELECT	HA022		WF002	SPARE MOD SELECT
GATED ATTENTION 0	HA061		WF002	GATED ATTENTION 0
GATED ATTENTION 1	HA061		WF002	GATED ATTENTION 1
GATED ATTENTION 2	HA061		WF002	GATED ATTENTION 2
GATED ATTENTION 3	HA061		WF002	GATED ATTENTION 3
GATED ATTENTION 4	HA061		WF002	GATED ATTENTION 4
GATED ATTENTION 5	HA061		WF002	GATED ATTENTION 5
GATED ATTENTION 6	HA061		WF002	GATED ATTENTION 6
GATED ATTENTION 7			WF002	GATED ATTENTION 7
GATED ATTENTION SPARE MOD	HA061		WF002	GATED ATTENTION SPARE MOD
-3 PWR ON RESET	PS061		WF002	-3 PWR ON + C.E. RESET SELECT LOCK

DC + DATA CABLES - FCU TO FILE DRIVES

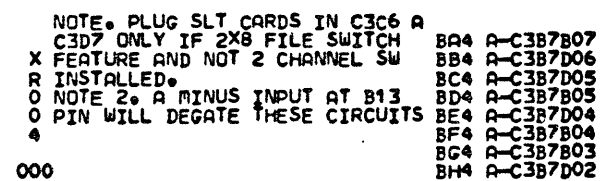
FCU LINE TITLE	FCU LOGIC PAGE		FILE LOGIC PAGE	FILE DRIVES LINE TITLE
+3 FILE TERMINATOR	YA051		WF002	+3 FILE TERMINATOR
HEADS EXTENDED	YA021		WF002	HEADS EXTENDED
CONTROLLED GND	YA021		WF002	CONTROLLED GND FROM FCU
+36 SEQUENCE PICK	YA051		WF002	SEQUENCE PICK IN
+36	YA051		WF002	+36
-36	YA051		WF002	-36
+6	YA061	THESE OCCUR 9 TIMES,	WF002	+6
+3	YA051	ONCE TO EACH FILE DRIVE	WF002	+3
-3	YA061		WF002	-3
GND	YA051/YA061		WF002	GND
READ/WRITE COAX	NS001/2		WF002	READ/WRITE COAX
DRIVE A/B → /J SELECTED (9)	HA042		WF002	SELECTED MODULE
AC POWER	YA005		WF002	AC POWER
* -3V	YA061		WF002	-3V
* +6V	YA061		WF002	+6V
* GND	YA031		WF002	GND
* -ENABLE A	PS031	NOT USED WITH	WF002	-ENABLE A
* -DISABLE A	PS031	REMOTE ATTACHMENT	WF002	-DISABLE A
* -ENABLE B	PS031	SWITCH FEATURE	WF002	-ENABLE B
* -DISABLE B	PS031		WF002	-DISABLE B
* +6 TO -3 MULTI-TAG SW	PS031		WF002	+6 TO -3 MULTI-TAG SW

* OPTIONAL FEATURE TWO CHANNEL SWITCH

NOTE: FOR GENERAL CABLE SCHEMATIC SEE WF001

FCU TO FILE FEED THRU			
DATE	EC NUMBER	DATE	EC NUMBER
APR 66	416034		
JUNE 66	416124		
AUG 66	416128		
SEP 66	416126		
P/N		TYPE	
4-28-66		2314	
2209827		WF011	





SEEK IN PROGRESS MODS 0 TO 7
BASIC 2314 TO 2X8 SWITCH
— E.C. — HISTORY — MACH. 2314 — FCU
416125
416130
420906
420912
DATE LAST EC
08-28-67 420907
FRAME 01
IBM CORP. SDD
P.No. 2209192

3 PHASE INPUT FROM
WALL RECEPTACLE OR YA005 (NOTE 4)

195V
220/380V 206/230 VAC
235/400V 60 CPS
50 CPS

F1
LINE FILTER

CASE ISOLATED
FROM FRAME

FILTER
CHASSIS
STUD

LINE
NOTE 3

NEUTRAL
WF002
NEUTRAL
WT-TB-Y
YA011

CB 1
40 A/20 A
NOTE 5

PHASE 1
TB2-1
YA011
PHASE 2
TB2-3
YA011
PHASE 3
TB2-6
YA011

NEUTRAL
WT-TB-Y
YA011

PHASE 1
K14-1U CU 2
YA005

PHASE 2
K14-2U CU 2
YA005

PHASE 3
K14-3U CU 2
YA005

NOTE 1
T4
AUTO
XPMR
7.5 KVA

T4 PRIMARY TERM. CONN.

INPUT VOLTAGE	LINE CONNECTIONS		
408V	01	02	03
235V	TB-1	TB-6	TB-11
195V	TB-3	TB-8	TB-13
	TB-5	TB-10	TB-15

THERM SENSE
EC20C CU#2
YA082

THERM SENSE
EC4B
YA031

THERM SENSE
EC4C
YA031

THERM SENSE
K17-1 OP CU#2
YA082

PHASE 3
TB1-6
YA007
PHASE 3
TB1-6
YA007

PHASE 1
TB1-8
YA007

PHASE 1
WT-TB-2
YA011

NOTES:

1. AUTO TRANSFORMER AND WIRING INSTALLED FOR 50~195 VAC OR 235/408 VAC INPUT ONLY. SEE TABLE FOR PRIMARY CONNECTIONS.
2. REMOVE JUMPERS BETWEEN K7-1L,2L,3L AND TB1-1,2,3 WHEN AUTO TRANSFORMER T4 OR 2844 IS INSTALLED.

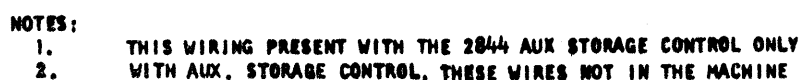
3. (X) CIRCLED NUMBERS ARE TERMINAL NUMBERS FOR 50~MACHINES ONLY.

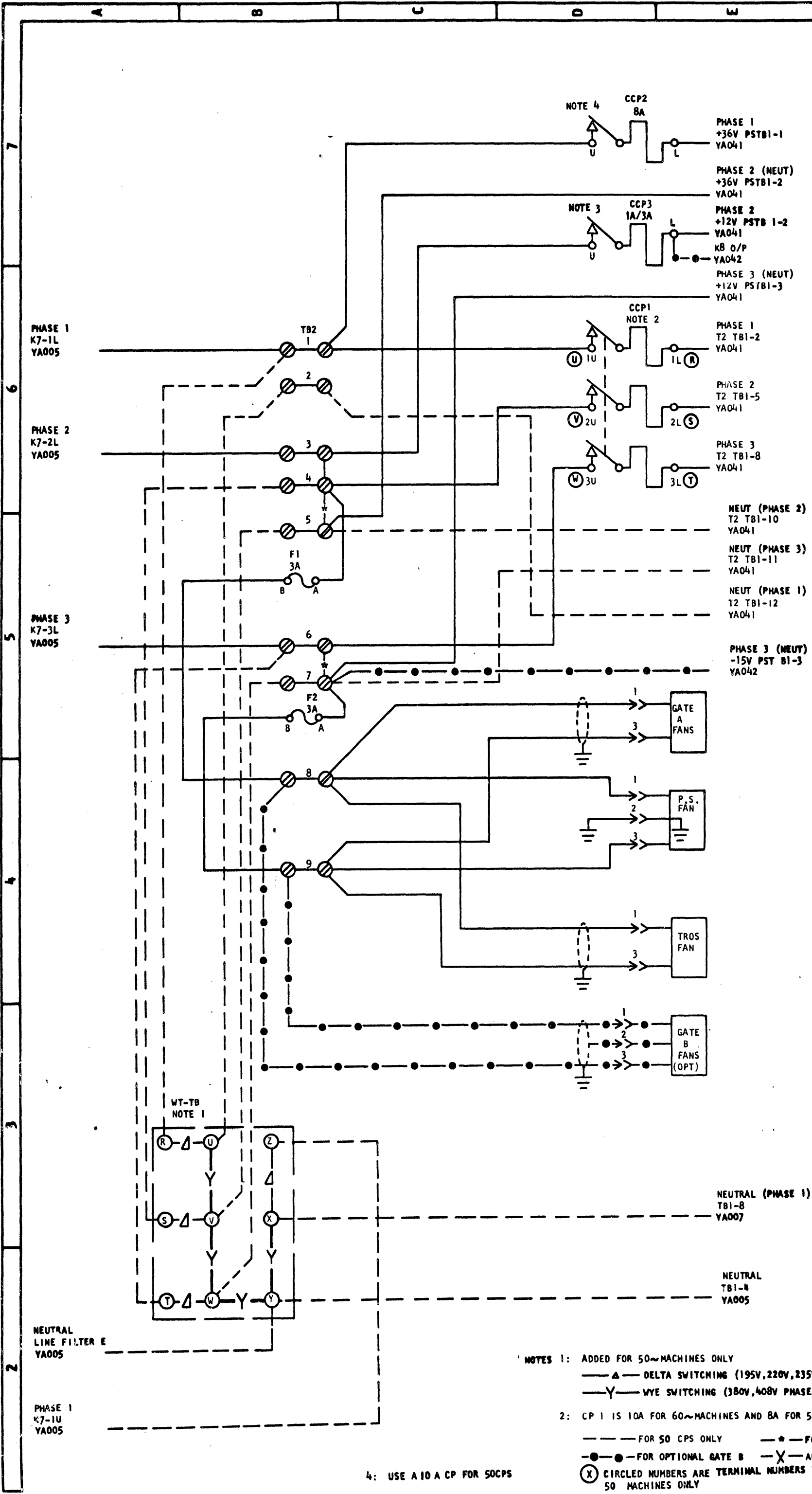
4. INCOMING POWER COMES FROM YA005 OF 2ND CONTROL UNIT ON 2314'S HAVING 2 CONTROL UNITS
5. FOR 2844 AUX. STORAGE CONTROL 20 A IS INSTALLED

DATE	EC NUMBER	DATE	EC NUMBER	AC PO-EP CONTROL
APR 66	416034			
SEP 66	416126			
JAN 67	420637			
MAY 67	420668			
JUN 68	422939			

REA 73-01776.19 DEC. 67

DATE	EC NUMBER	DATE	EC NUMBER	CONTROL TRANS AND CE OUTLET
APR 66	416034	AUG 67	420912	
SEPT 66	416126			DATE 4-28-66 P/N 2209812
JAN 67	420637			TYPE 2314
FEB 67	420900			IBM YA007
MAY 67	420668			

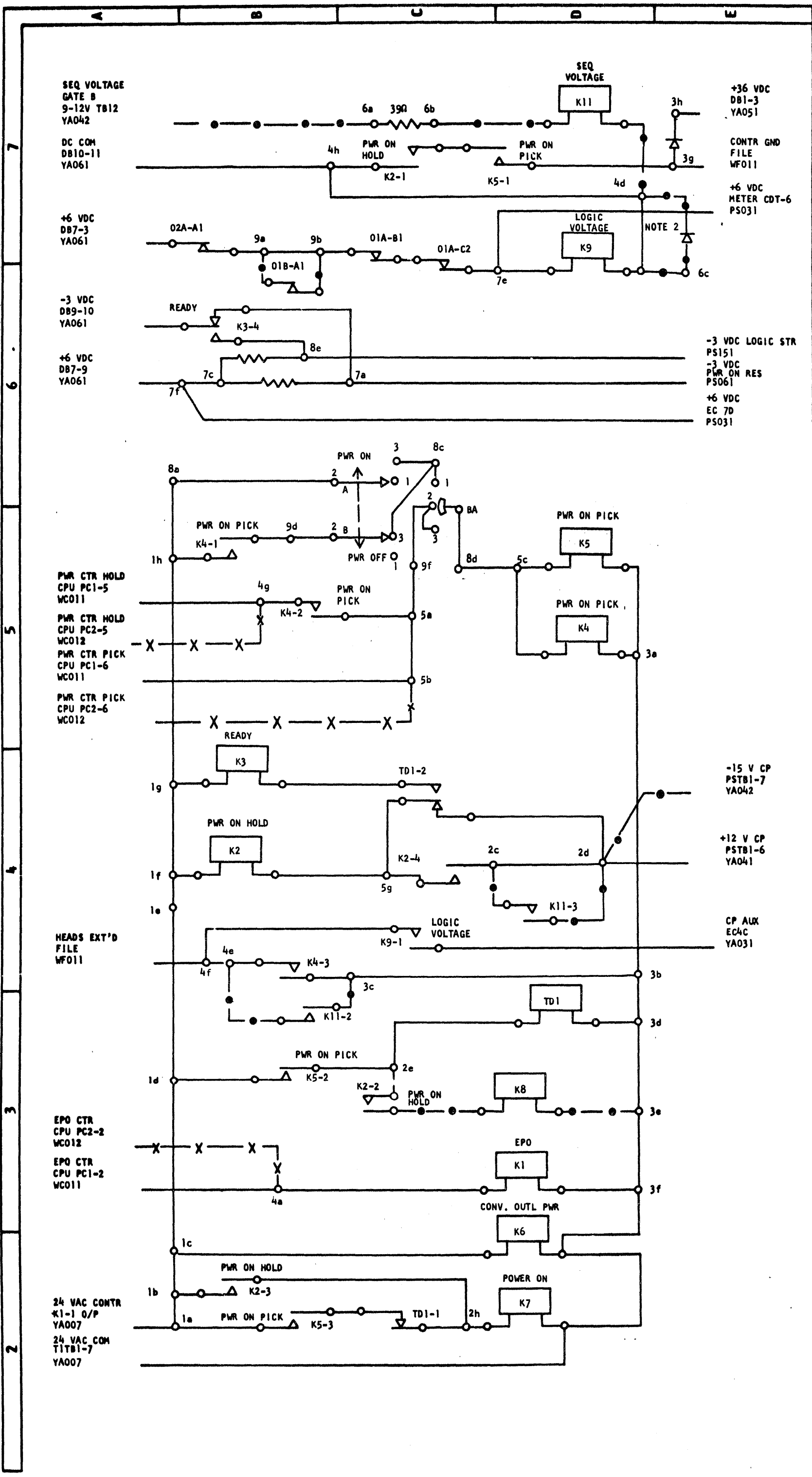




AC POWER DISTRIBUTION			
DATE	EC NUMBER	DATE	EC NUMBER
APR 66	416034	APR 66	416034
JUL 66	416125A	JUL 66	416125A
SEP 66	416126	SEP 66	416126
JAN 67	420637	JAN 67	420637
MAR 67	420900	MAR 67	420900

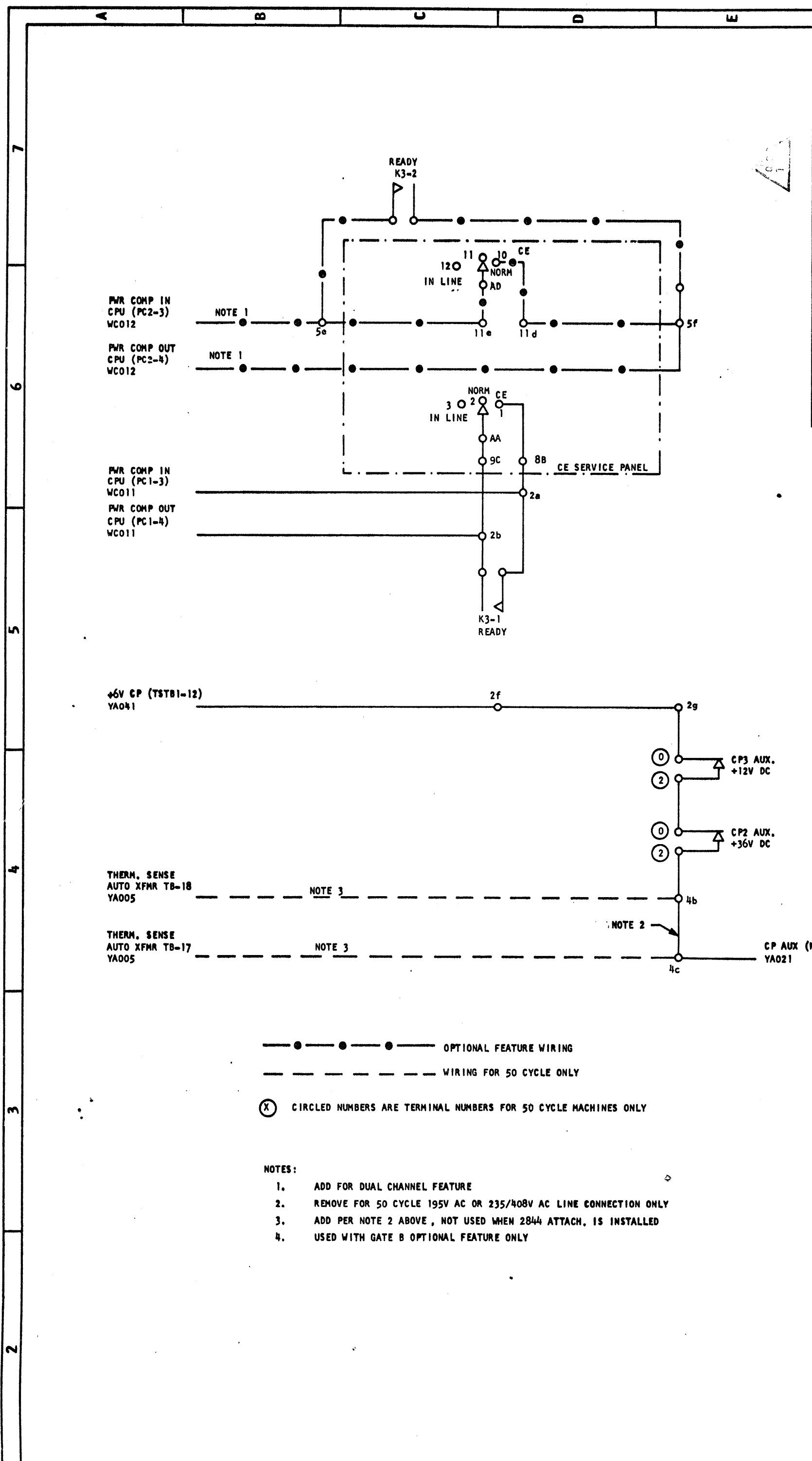


- NOTES 1: ADDED FOR 50~MACHINES ONLY
- Δ— DELTA SWITCHING (195V, 220V, 235V PHASE/PHASE)
 - Y— WYE SWITCHING (380V, 408V PHASE/PHASE)
- 2: CP 1 IS 10A FOR 60~MACHINES AND 8A FOR 50~MACHINES.
- FOR 50 CPS ONLY
 - *— FOR 60 CPS ONLY
 - FOR OPTIONAL GATE B
 - X— AUX STOR. CNTL
- 3: USE A 3 AMP C.P. WHEN MACHINE HAS GATE B (OPTIONAL FEATURE)
- 4: USE A 10 A CP FOR 50CPS



POWER SEQUENCE CONTROL		P/N		DATE		TYPE		YA021	
DATE	EC NUMBER	DATE	EC NUMBER	DATE	EC NUMBER	DATE	EC NUMBER	DATE	EC NUMBER
SEE INDEX CARD		JAN 67	420637	MAR 67	420900	MAY 67	420668		

RED



POWER SEQUENCE		EC NUMBER		DATE	
DATE	EC NUMBER	DATE	EC NUMBER	DATE	EC NUMBER
APR 66	416034	JUL 66	416125A	SEPT 66	416126
JUL 66	416125A	AUG 66	416127	JAN 67	420637
NOV 66					
P/N	2209815	TYPE	2314		
IBM	YA031				

+36V P.S. PRIMARY CONN.				+12V P.S. PRIMARY CONN.			
FOR 60 CPS PRIM TERM CONN		FOR 50 CPS PRIM TERM CONN		FOR 60 CPS PRIM TERM CONNECT		FOR 50 CPS PRIM TERM CONN	
INPUT VOLTAGE	LINE CONN	INPUT VOLTAGE	LINE CONN	INPUT VOLTAGE	LINE CONN	INPUT VOLTAGE	LINE CONN
208V	1-2	195V	1-2	208V	2-3	195V	1-2
230V	1-3	220V	1-3	230V	2-3	220V	1-3
		235V	1-4			235V	1-4

PHASE 2
CP 3-L
YA011

PHASE 3 (NEUT)
TB2-7
YA011

+12V CP (EC2d)
YA021

9-12V CP (TSTB1-6)
YA042

PHASE 1
CP2-L
YA011

PHASE 2 (NEUT)
TB2-5
YA011

SEE TABLE FOR
ALTERNATE CONN

SEE TABLE FOR
ALTERNATE CONN.

NOTE 1

+12V DC
GT A BUSS T4
YA071

GTB BUSS T4 YA072

+12 VDC COM
DB8-3
YA061

GTB BUSS T3 YA072

+36V DC
DB1-1
YA051

+36V DC
DB3-1
YA051

+36V DC COM
DB2-1
YA051

+36V DC COM
DB6-3
YA051

+6V DC
DB7-1
YA061

+6V DC
DB7-2
YA061

+6V DC COM
DB8-2
YA061

+6V DC COM
DB10-2
YA061

+6V CP (EC2f)
YA031

+3V DC
DB5-1
YA051

+3V DC
DB4-1
YA051

+3V DC COM
DB8-1
YA061

+3V DC COM
DB10-1
YA061

-36V DC COM
DB6-1
YA051

-36V DC
DB11-1
YA061

-3V DC COM
DB6-2
YA051

-3V DC
DB9-1
YA061

POWER SUPPLIES WIRING

EC NUMBER

DATE

EC NUMBER

DATE

EC NUMBER

DATE

2209816

DATE

4-28-66

416034

DATE

416125A

416126

420637

420905

420905

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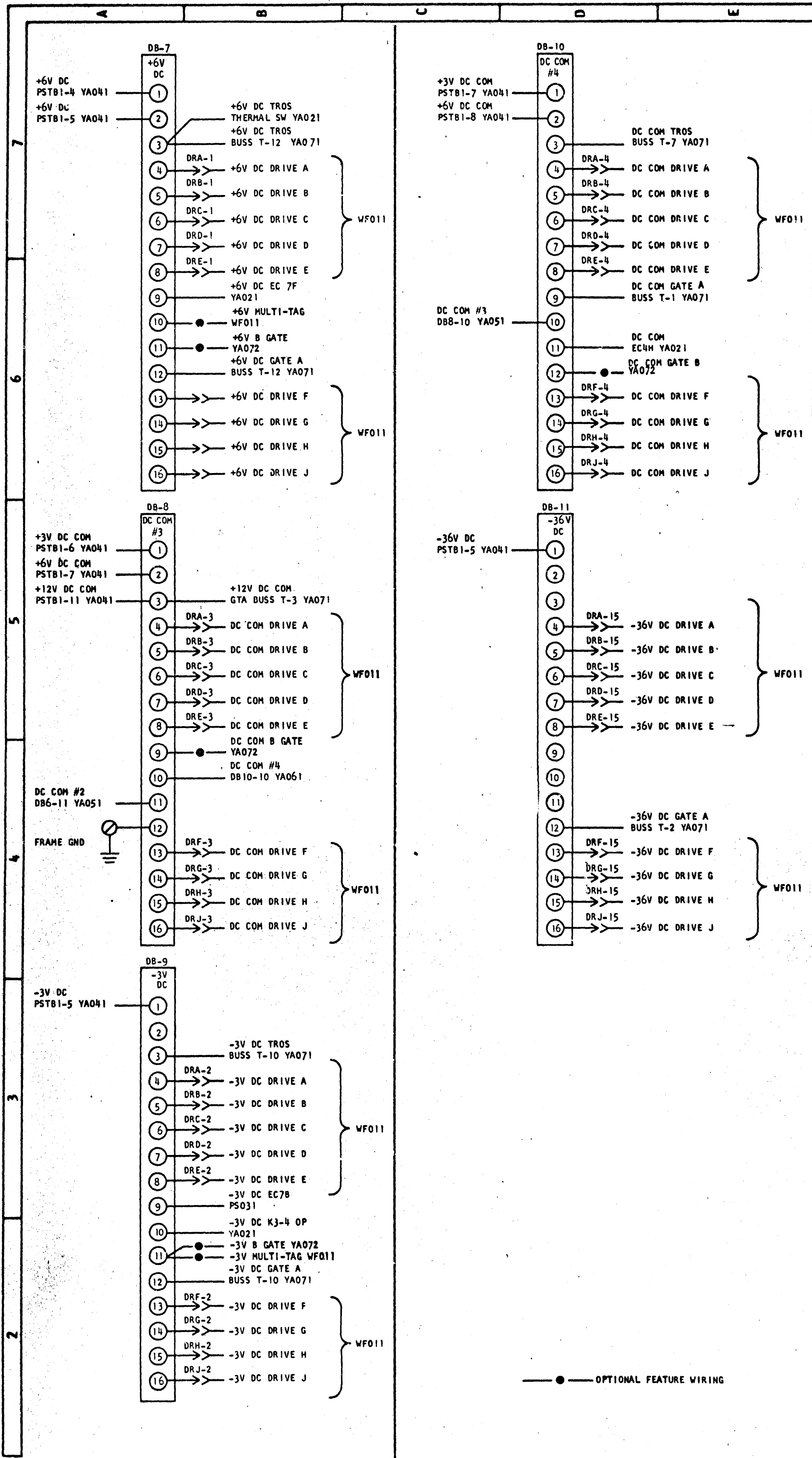
YA041

IBM

T2 PRIMARY CONNECTIONS			
60 CPS			
INPUT WIRING	INPUT VOLTAGE	JUMPERS	
		FROM	TO
TB1-2	230V	TB1-2	TB1-1
		TB1-5	TB1-4
TB1-5		TB1-8	TB1-7
		TB1-2	TB1-3
TB1-8	208V	TB1-5	TB1-6
		TB1-8	TB1-9
50 CPS			
INPUT VOLTAGE			
	195V	220V	235V
TB1-1	TB1-2	TB1-3	
TB1-4	TB1-5	TB1-6	
TB1-7	TB1-8	TB1-9	
TB1-10	TB1-10	TB1-10	
TB1-11	TB1-11	TB1-11	
TB1-12	TB1-12	TB1-12	

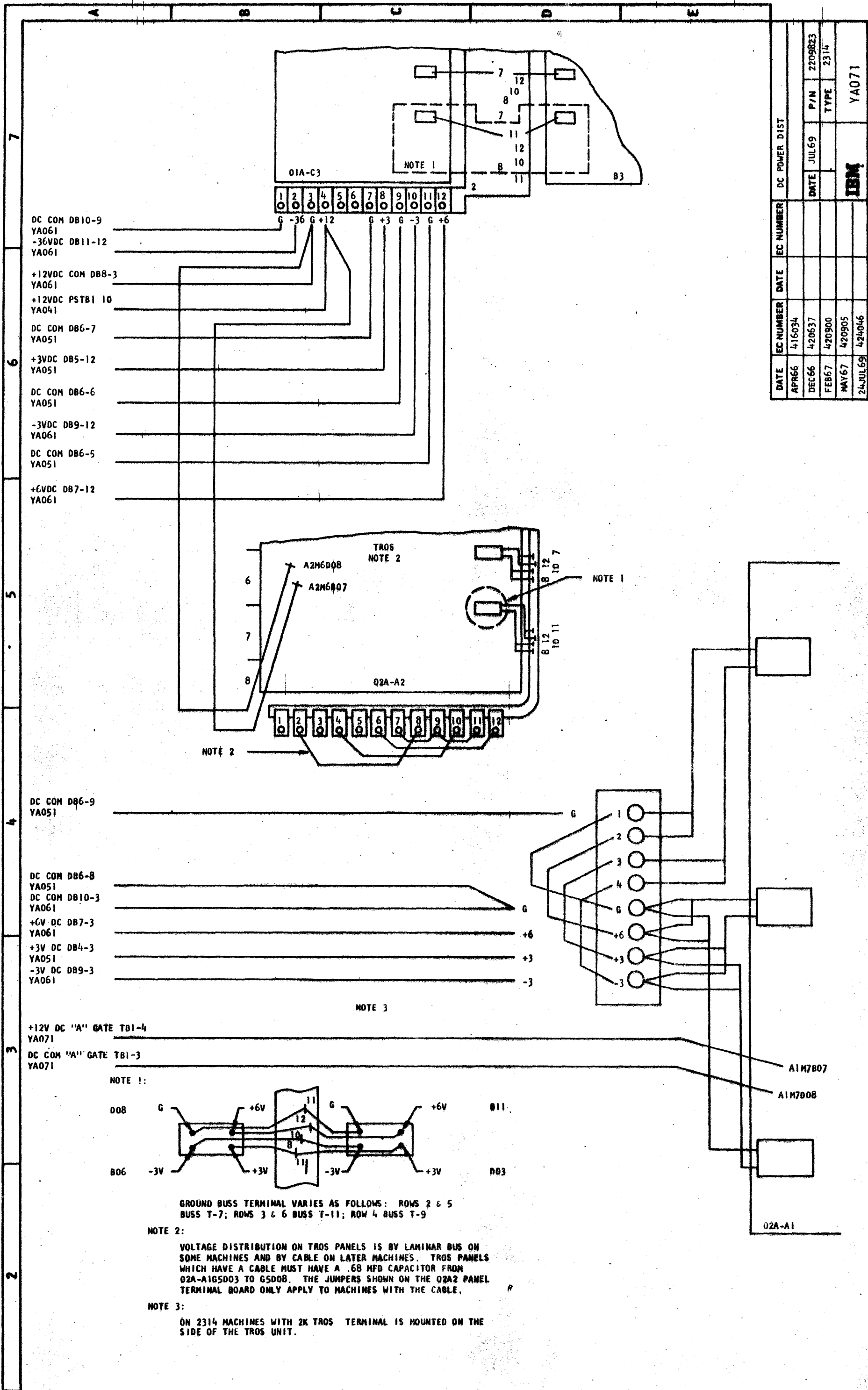
- OPTIONAL FEATURE WIRING
- 60~ MACHINES ONLY
- 50~ MACHINES ONLY

NOTE: 1. REMOVE FOR GATE B OPTIONAL FEATURE
2. THIS RESISTOR IS LOCATED NEAR THE
EDGE CONNECTORS IN THE POWER SEQUENCE BOX.



DC DISTRIBUTION BUSS			
DATE	EC NUMBER	DATE	EC NUMBER
APR 66	416034		
JUL 66	416125A		
SEPT 66	416126		
MAR 67	420900		
JAN 68	420919		

DATE	P/N	TYPE	YA061
4-28-66	2209818	2314	IBM



7

6

5

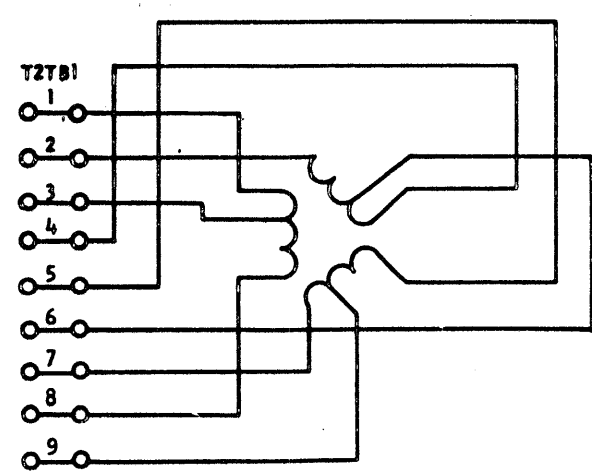
4

3

2

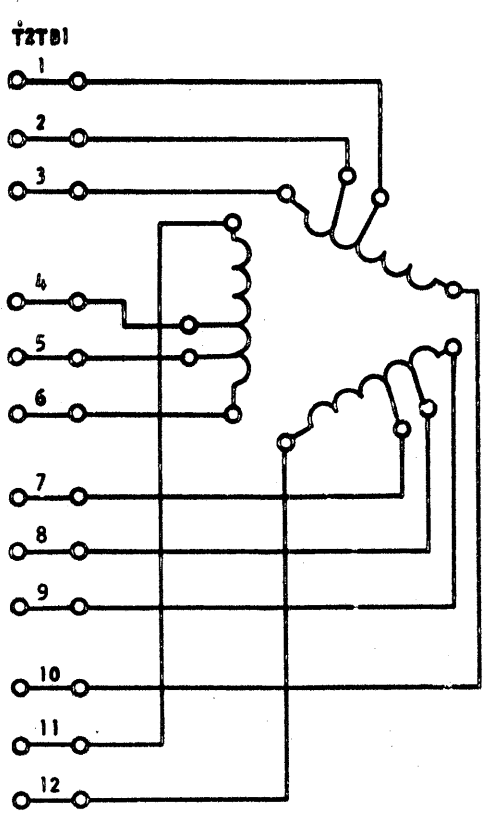
60~PRIMARY - 30

60 CPS PRIMARY CONN.			
INPUT WIRING	INPUT VOLTAGE	JUMPERS	
		FROM	TO
TBI-2	230V	TBI-2	TBI-1
		TBI-5	TBI-4
TBI-5	208V	TBI-8	TBI-7
		TBI-2	TBI-3
TBI-8	208V	TBI-5	TBI-6
		TBI-8	TBI-9



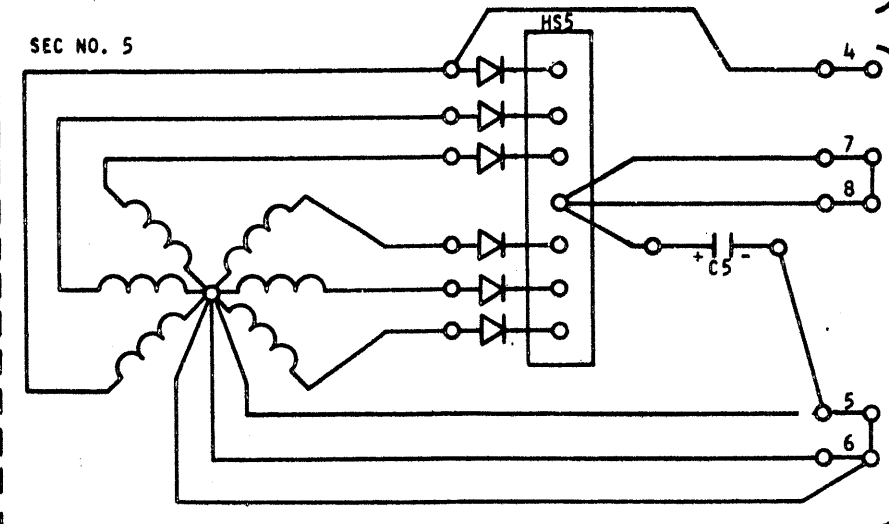
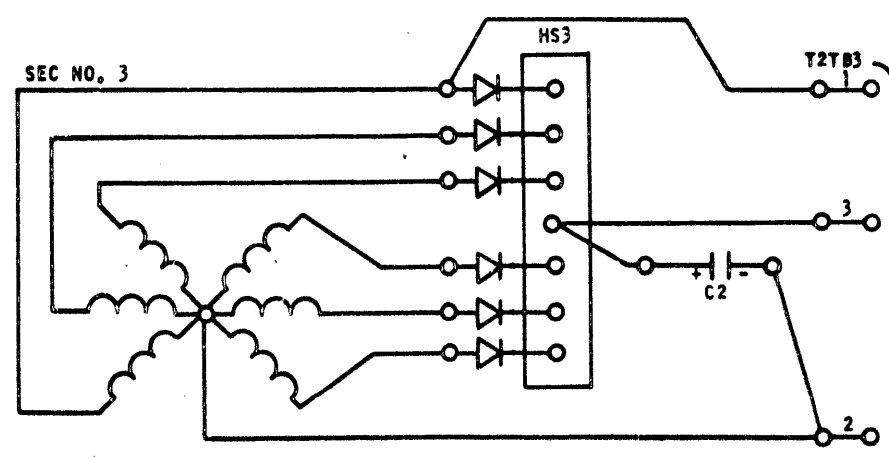
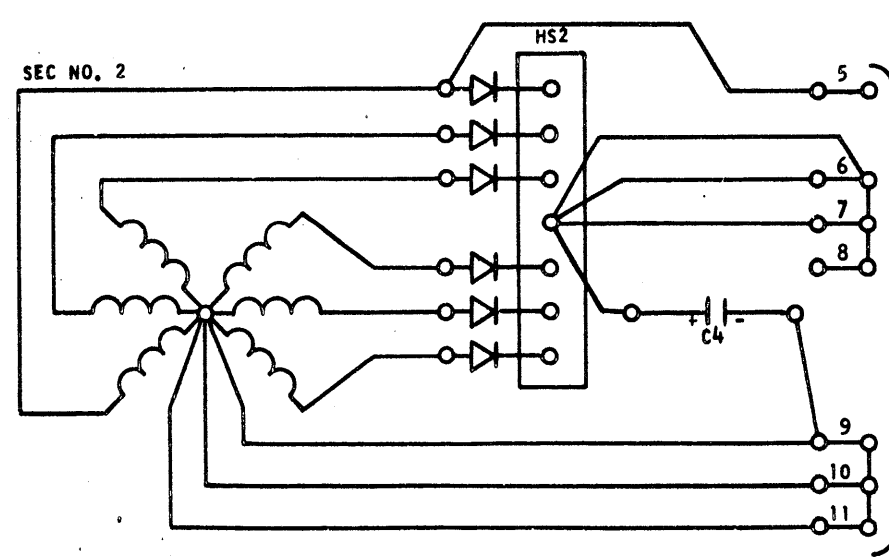
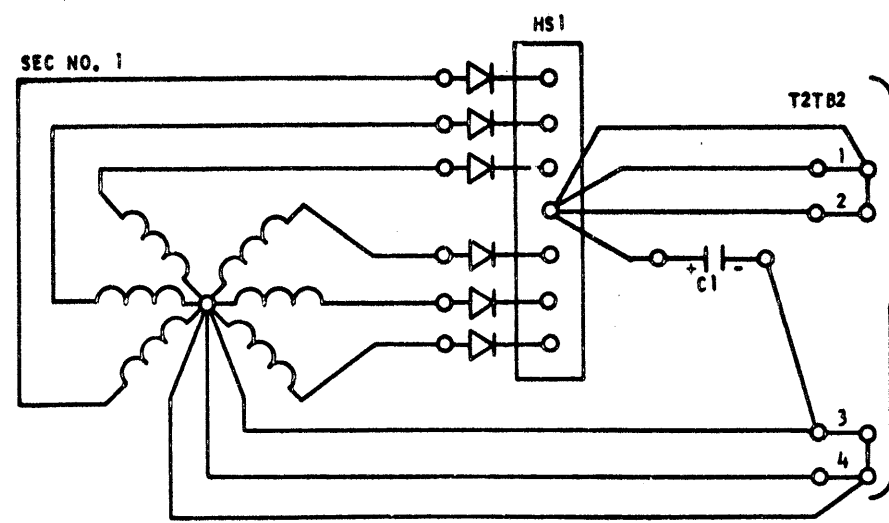
50~PRIMARY - 30

50 CPS PRIMARY CONN.			
INPUT WIRING	INPUT VOLTAGE		
	195V	220V	235V
TBI-1	TBI-1	TBI-2	TBI-3
	TBI-4	TBI-5	TBI-6
	TBI-7	TBI-8	TBI-9
	TBI-10	TBI-10	TBI-10
TBI-11	TBI-11	TBI-11	TBI-11
	TBI-12	TBI-12	TBI-12

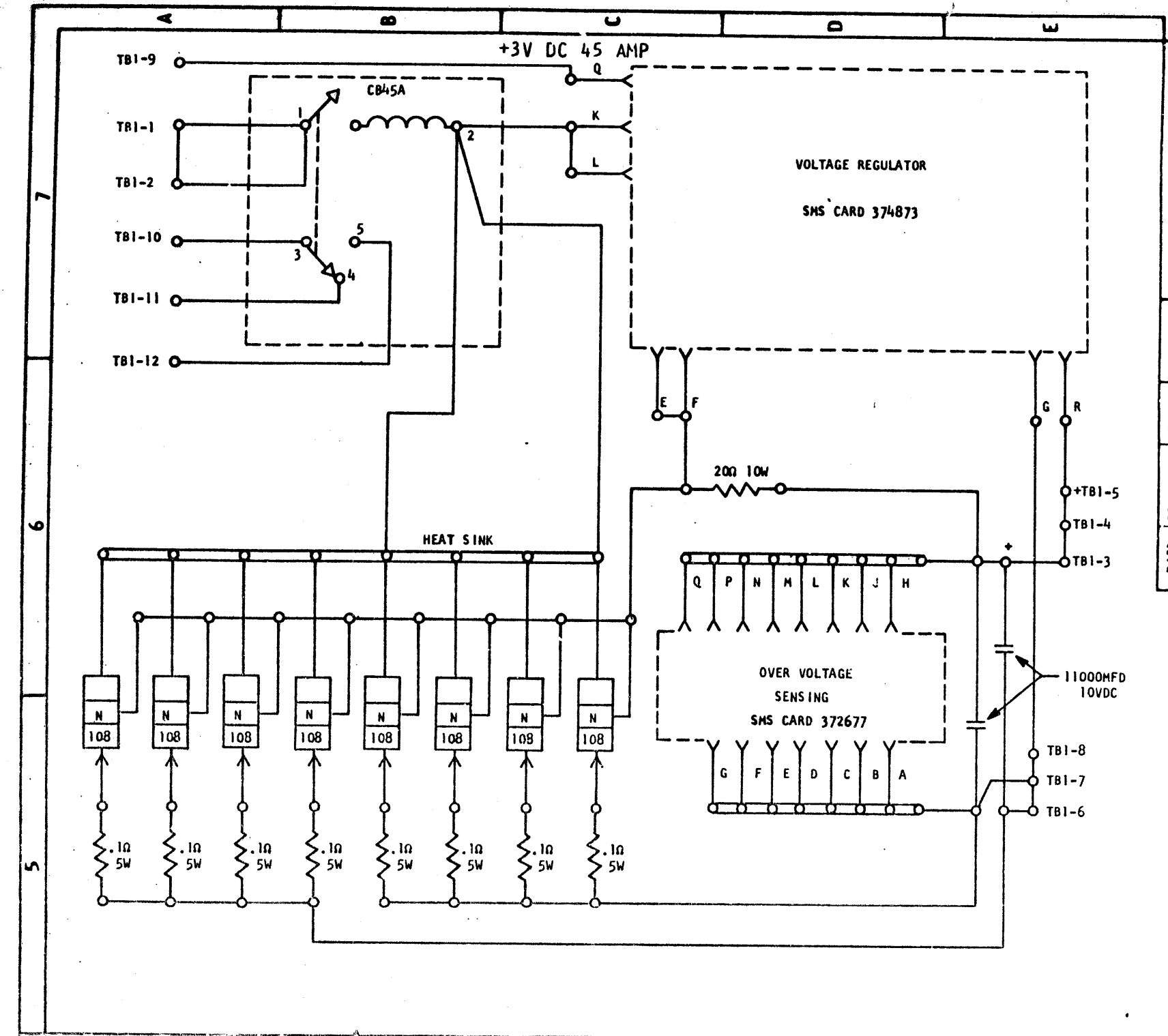


T2 TFMR-RECT ASSEMBLY

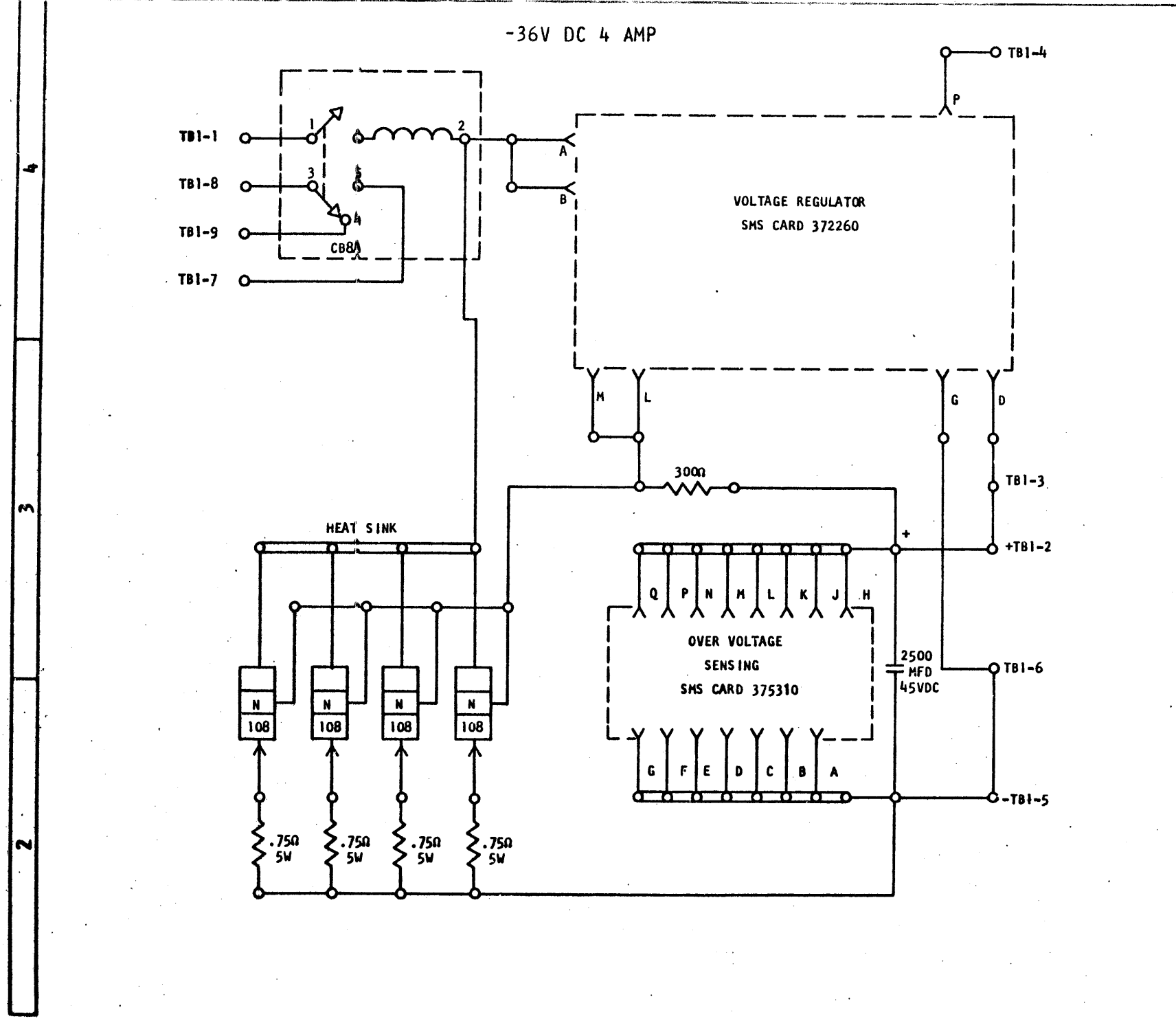
T2

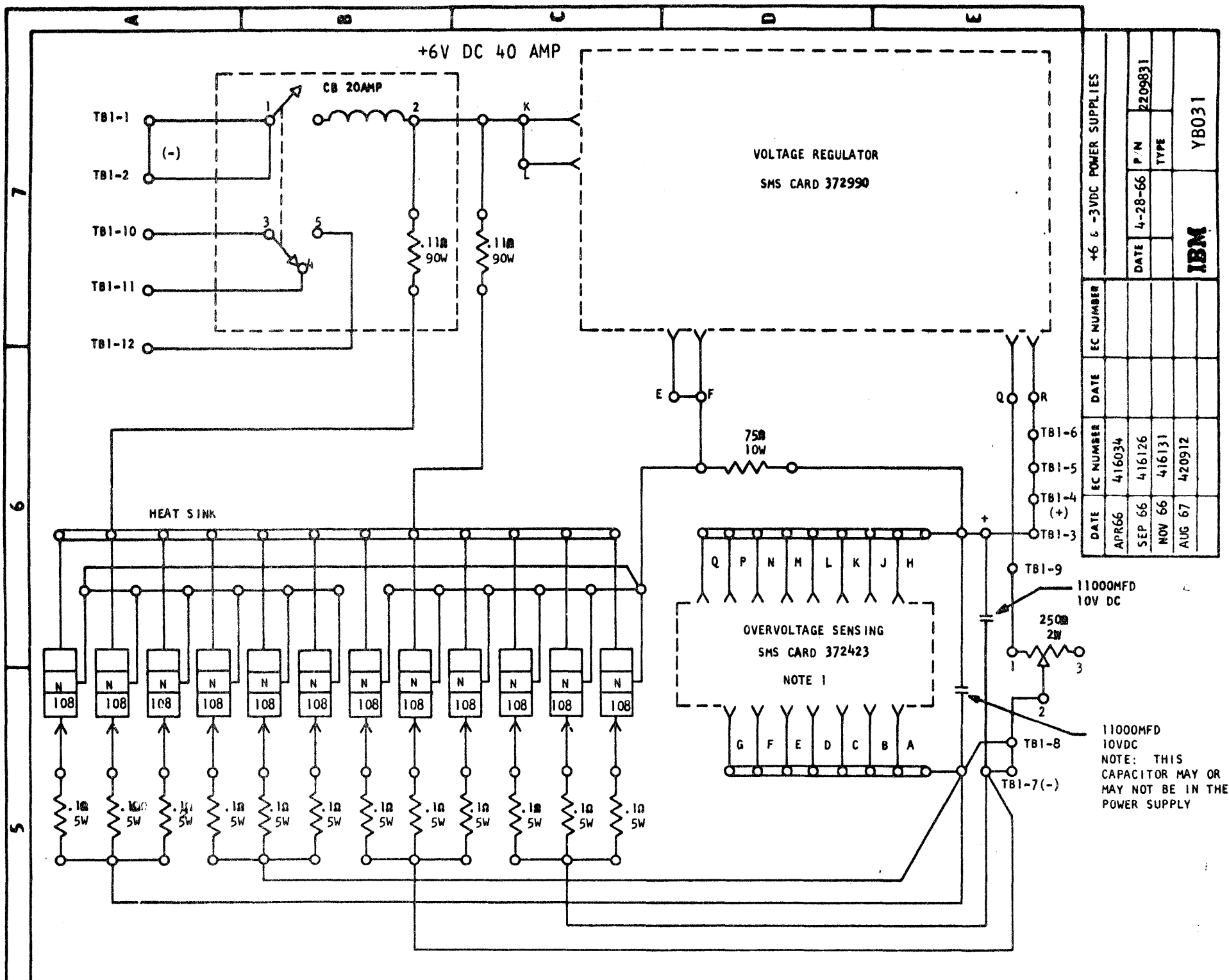


T2 TFMR-RECT ASM			
EC NUMBER	DATE	P/N	TYPE
416034	APR 66	2209841	2314
420905	MAY 67		
IBM			YB011

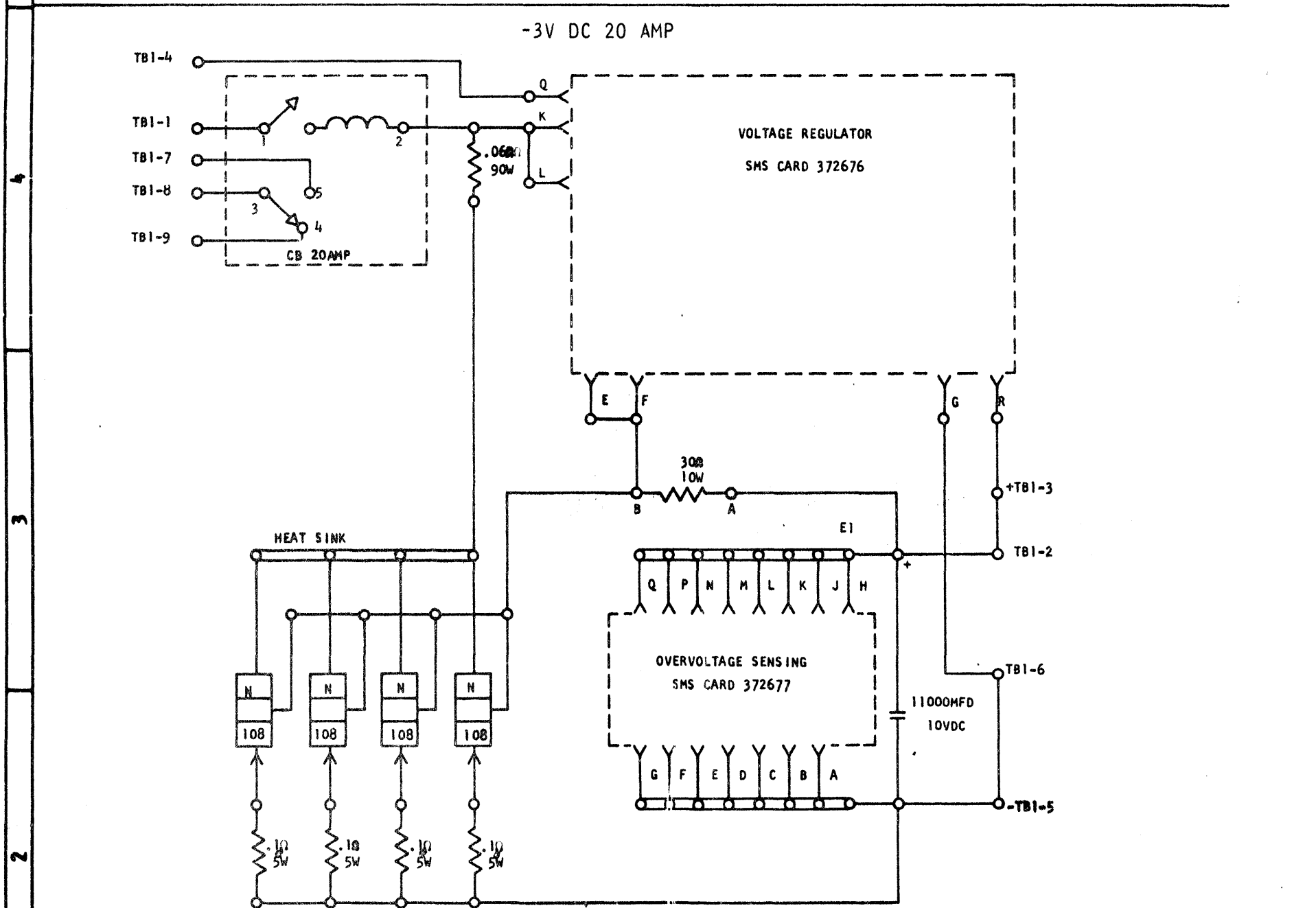


+3V & -36VDC POWER SUPPLIES		EC NUMBER		DATE		P/N		TYPE		YB021	
DATE	EC NUMBER	DATE	EC NUMBER	DATE	EC NUMBER	DATE	EC NUMBER	DATE	EC NUMBER	DATE	EC NUMBER
APR 66	416034										
MAY 67	420905										
05APR68	422936										

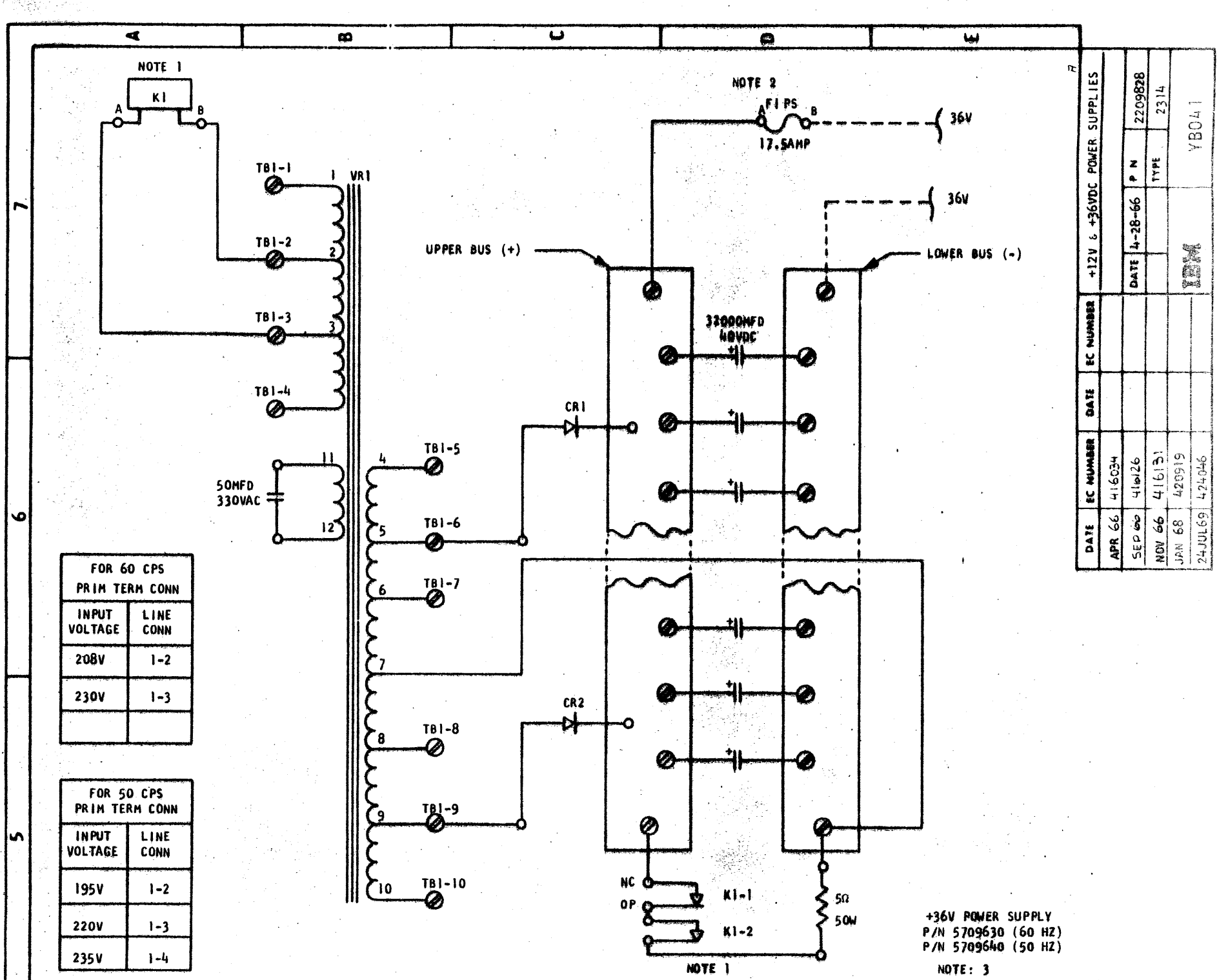




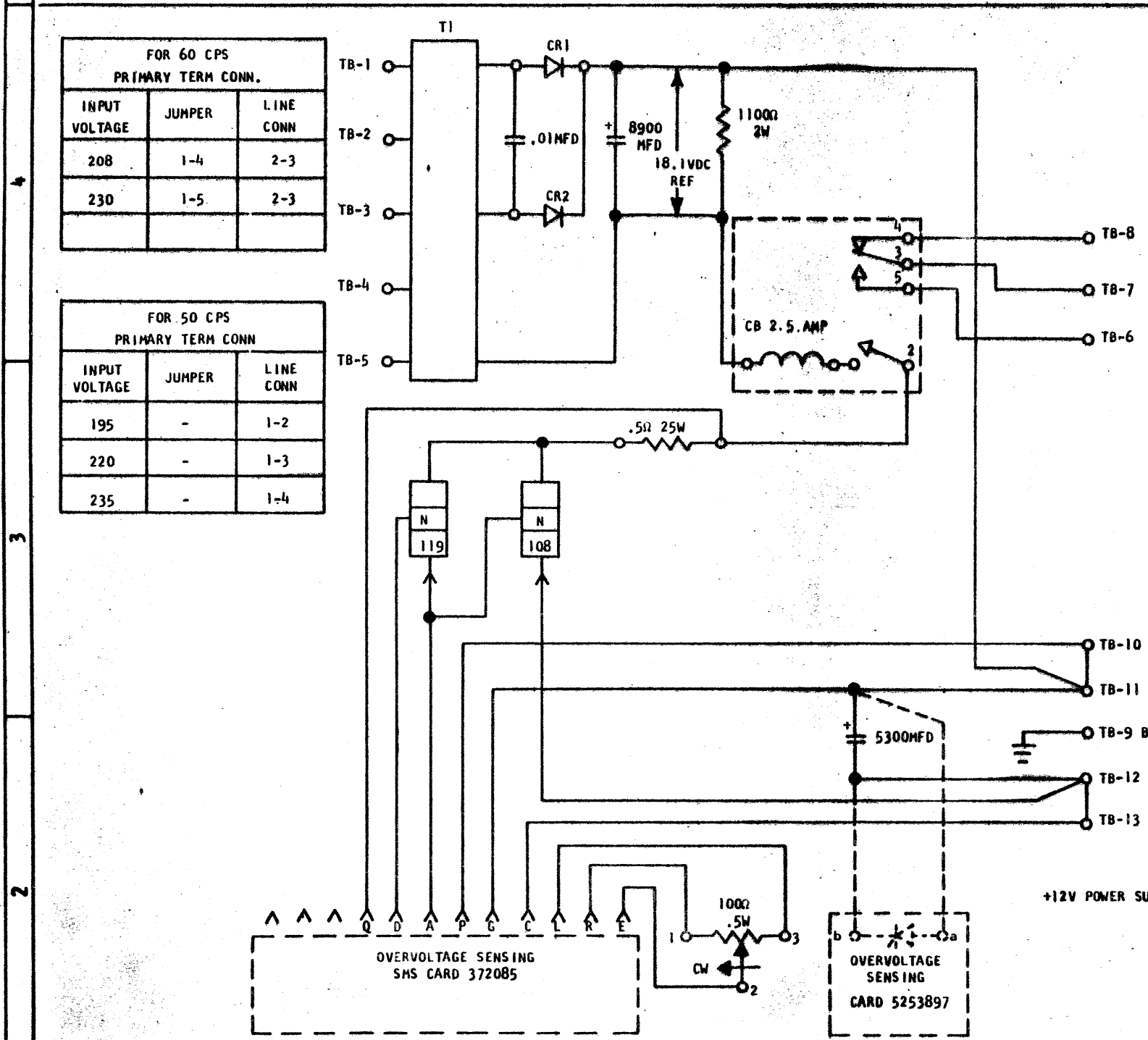
+6 & -3VDC POWER SUPPLIES			
DATE	EC NUMBER	DATE	EC NUMBER
APR 66	416034	SEP 66	416126
NOV 66	416131	AUG 67	420912
P/N		TYPE	
4-28-66		YB031	
DATE		IBM	



NOTES:
1. SMS CARD 372423 IS REPLACED BY SMS CARD 375162 FOR 2844 AND 2314 WITH 2844 ATTACHMENT.

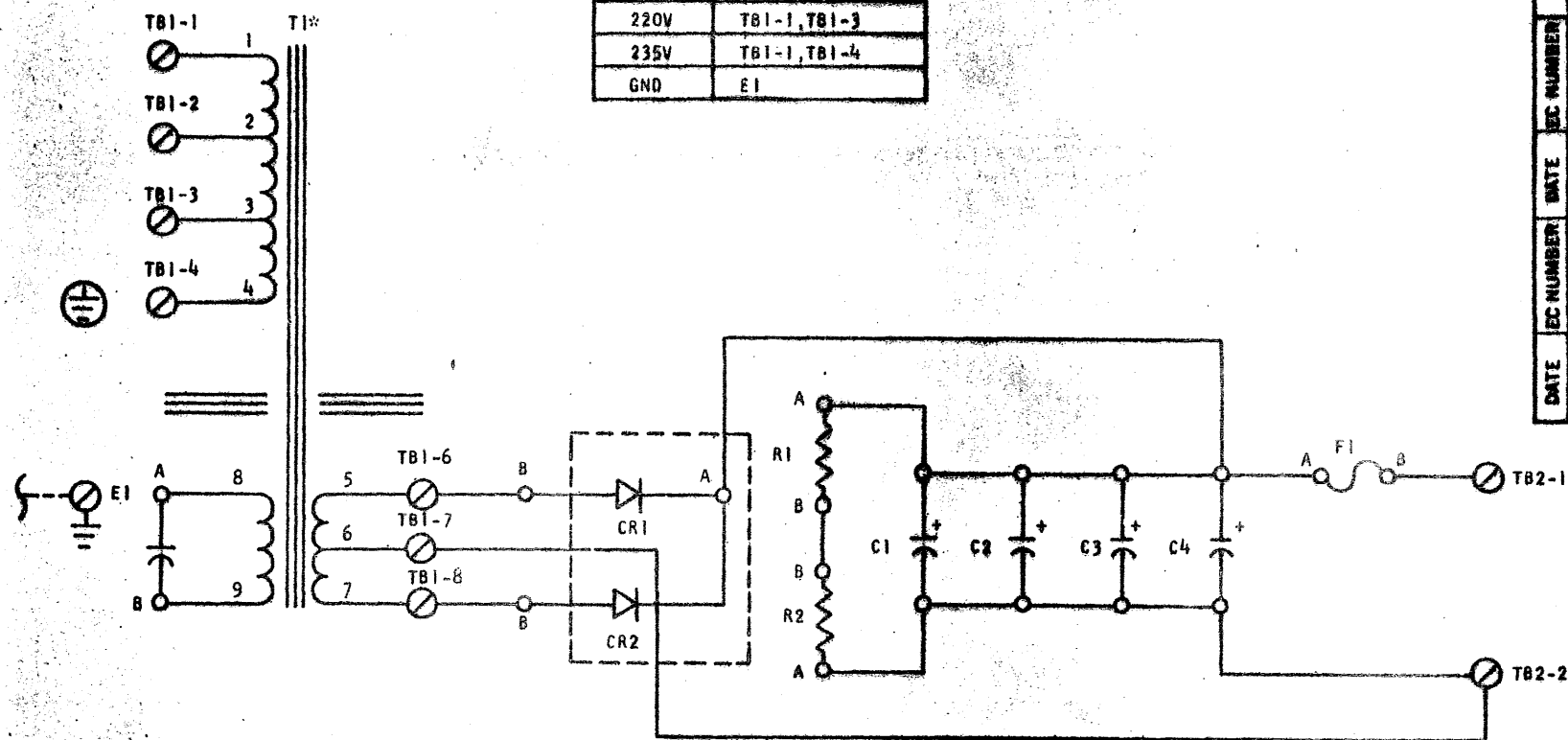


DATE	EC NUMBER	DATE	EC NUMBER	DATE	EC NUMBER	DATE	EC NUMBER
APR 66	416034	APR 66	416034	APR 66	416034	APR 66	416034
SEP 66	416126	SEP 66	416126	SEP 66	416126	SEP 66	416126
NOV 66	416131	NOV 66	416131	NOV 66	416131	NOV 66	416131
JAN 68	420919	JAN 68	420919	JAN 68	420919	JAN 68	420919
24 JUL 69	424046	24 JUL 69	424046	24 JUL 69	424046	24 JUL 69	424046



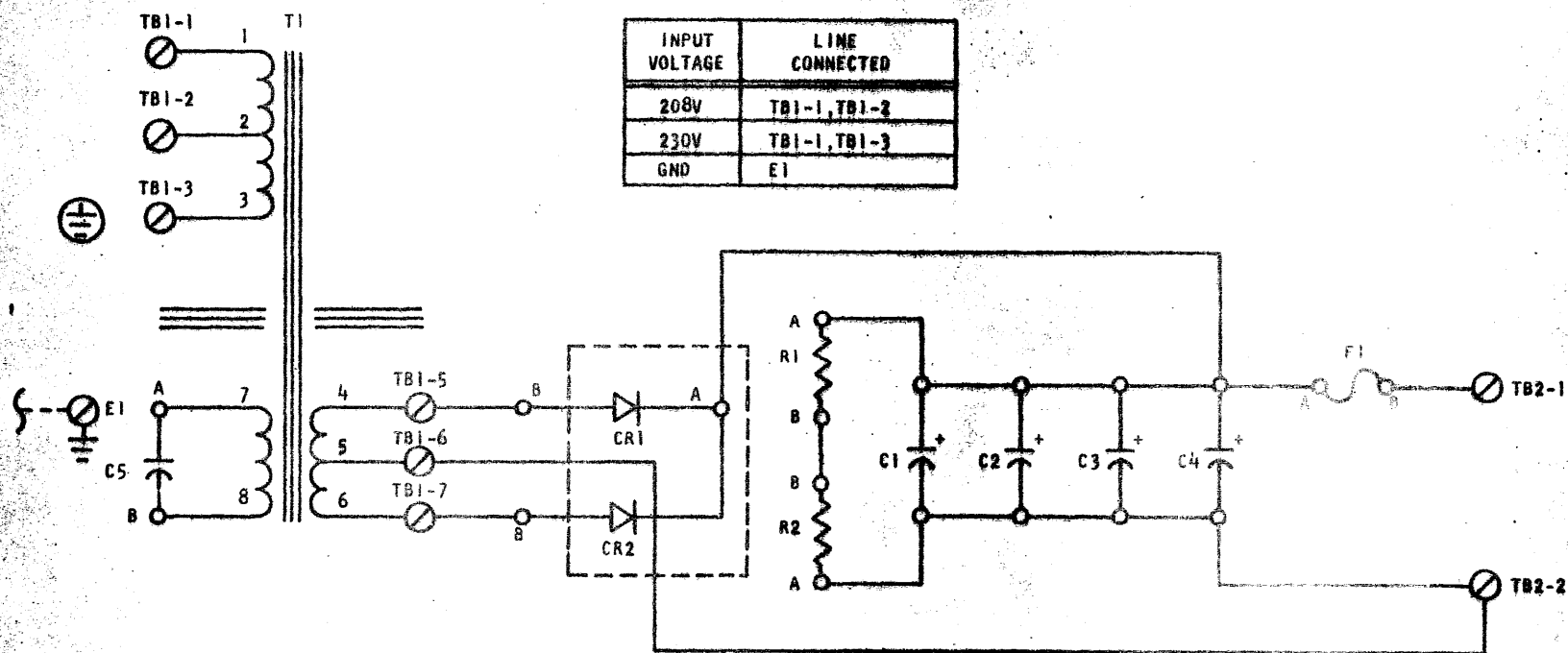
NOTE: 1. RELAY K1 ON THIS PAGE IS LOCATED WITHIN THE
+36V POWER SUPPLY.
2. FUSE IS LOCATED IN +36V POWER SUPPLY
3. FOR +36V POWER SUPPLY P/N 5709630 OR
P/N 5709640 REFER TO YB042

INPUT VOLTAGE	LINE CONNECTED
200V	TB1-1, TB1-2
220V	TB1-1, TB1-3
235V	TB1-1, TB1-4
GND	E1



+36V-15A (50 HZ) P/N 5760750

INPUT VOLTAGE	LINE CONNECTED
208V	TB1-1, TB1-2
230V	TB1-1, TB1-3
GND	E1

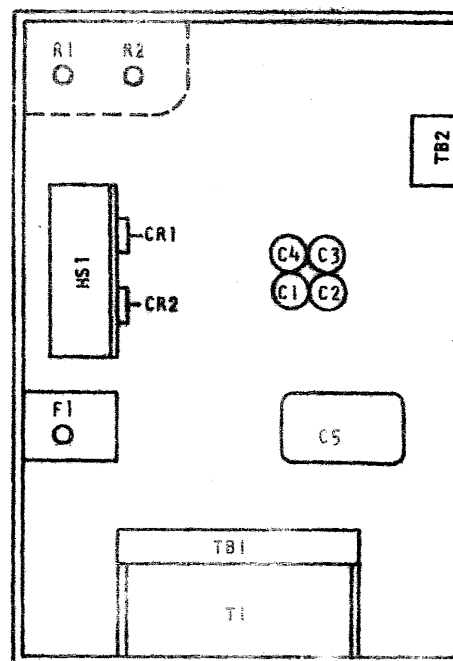


+36V-15A (60 HZ) P/N 5760737

PARTS LIST

SYMBOL	DESCRIPTION	QTY	PART NUMBER
C1-C4	CAPACITOR -32K μ F 40V DC	4	5214073
C5	CAPACITOR -40 μ F 330V DC	1	5319839
CR1, CR2	DIODE 30A @ 150V	2	127324
R1, R2	RESISTOR 10 Ω @ 100W	2	317317
T1	FERRO-REGULATOR	1	5760742
T1*	FERRO-REGULATOR	1	4118422
F1	FUSE - 15A	1	596676

COMPONENTS LOCATION FRONT VIEW



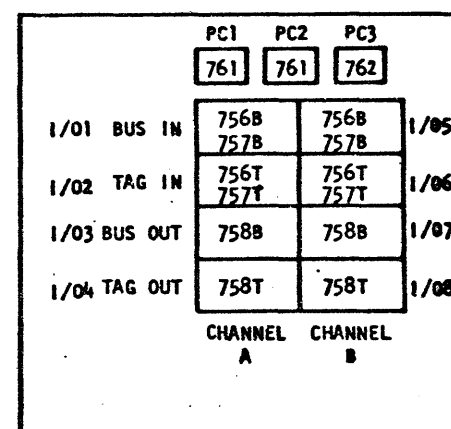
NOTE: FOR +36V POWER SUPPLY P/N 5709630 OR P/N 5709640 REFER TO YB041

DATE	EC NUMBER	DATE	EC NUMBER	DATE	EC NUMBER
24 JUL 69	424046				

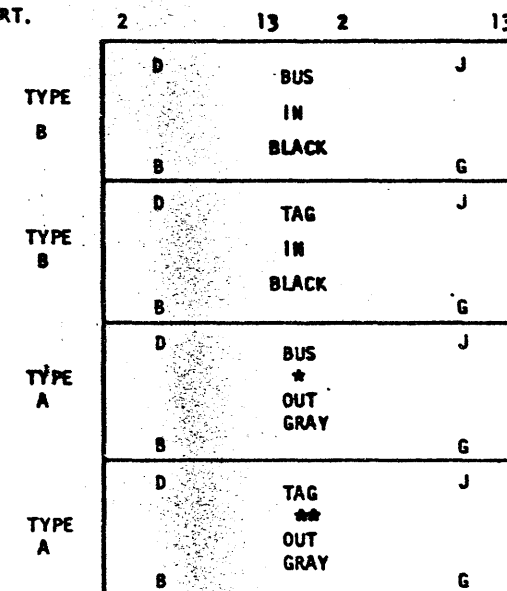
+36V DC 15A	POWER SUPPLY	P/N 2261833	TYPE	YB042
		DATE		

2314/2844 CABLE ROUTINE & IDENTIFICATION CHART

CABLES FOR CHANNEL SIGNALS PLUG INTO THE UPPER TWO POSITIONS, WHEN THE CONTROL UNIT IS IN SERIES WITH OTHER UNITS, CABLES TO NEXT UNIT WILL PLUG INTO THE LOWER TWO POSITIONS. IF THE CONTROL UNIT IS THE LAST I/O UNIT OF THE SERIES THE LINES MUST BE TERMINATED BY LINE TERMINATORS PLUGGED INTO THE LOWER TWO POSITIONS AS SHOWN ON CHART.



BOTH UNITS
2314 AND 2844



LINE TERMINATORS COMPONENTS FACE UP

* 5440649 BUS OUT

** 5440650 TAG OUT

TABLE A

GROUP	756	757	758	761
UNIT	SC	CH-CH	CTRL	PCR
2030	30	30		
2040	36	48		
2044	-	-		
2050	24	64		
2860	30	60		30
2870	54	-		30
CTRL			30	

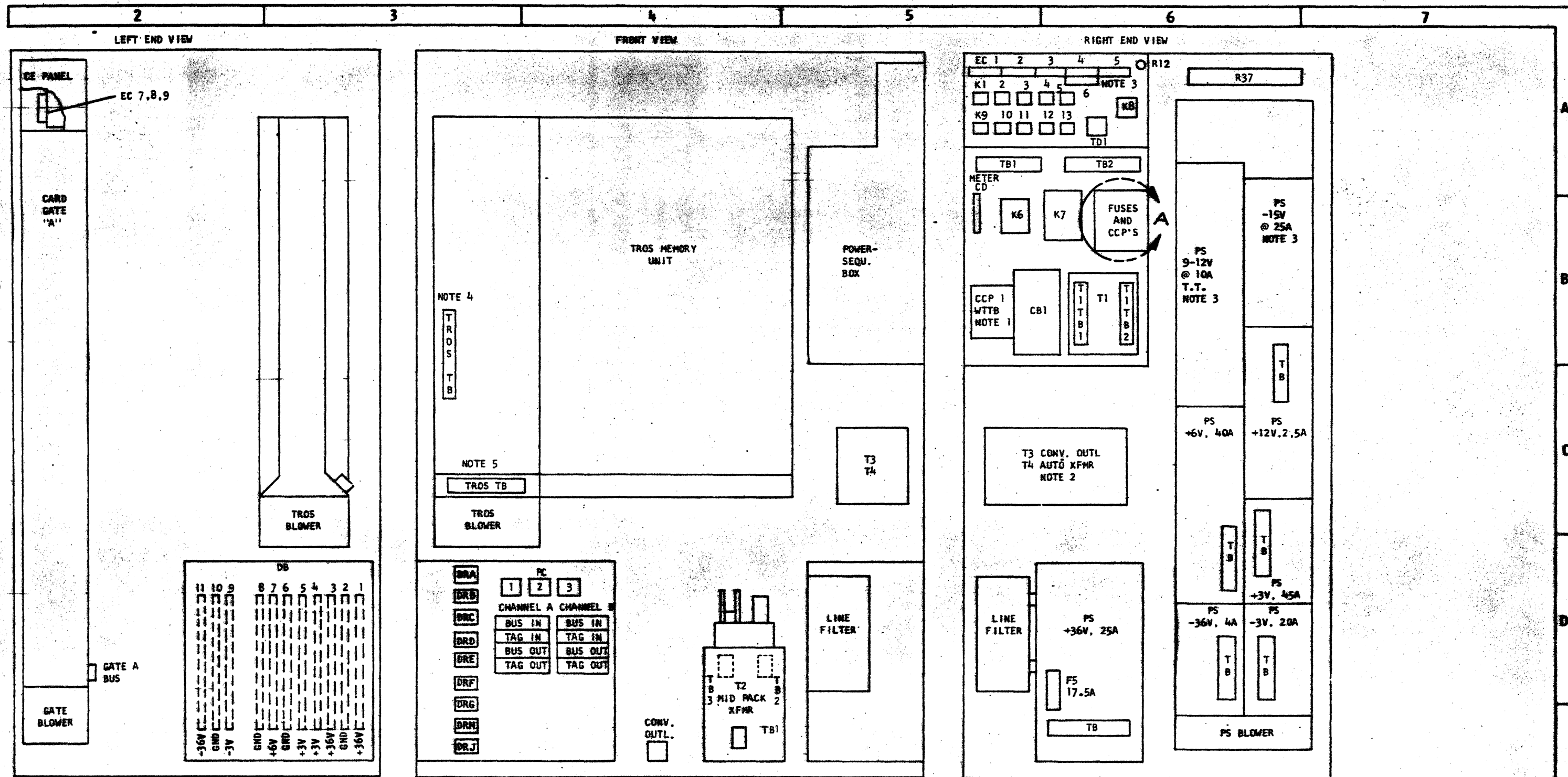
NOTES:

1. TO BE USED WHEN THE TWO-CHANNEL SWITCH FEATURE IS INSTALLED.
2. TO BE USED WHEN SF-6148 (REMOTE SWITCH) FEATURE IS INSTALLED.
3. WHEN ATTACHED TO MOD'S 30 OR 40 X MAX IS 75.FT.

CABLE GROUP	NO OF CA	KEY NO	PART NUMBERS	FROM				TO				X MAX	B/M	NOTES
				UNIT	CONN LOC	Y DIM	Z DIM	UNIT	CONN LOC	Y DIM	Z DIM			
756	2	756B	5353920	2844/2314	BUS IN A		18	SEL CH		*		100'	5373074	3
		756T	5353920	2844/2314	TAG IN A		18	SEL CH		*		100'	5373074	3
756	2	756B	5353920	2844/2314	BUS IN B		18	SEL CH		*		100'	5373074	1 & 3
		756T	5353920	2844/2314	TAG IN B		18	SEL CH		*		100'	5373074	1 & 3
757	2	757B	5353920	2844/2314	BUS IN A		18	CH-CH ADAPT		*		100'	5373074	3
		757T	5353920	2844/2314	TAG IN A		18	CH-CH ADAPT		*		100'	5373074	3
757	2	757B	5353920	2844/2314	BUS IN B		18	CH-CH ADAPT		*		100'	5373074	1 & 3
		757T	5353920	2844/2314	TAG IN B		18	CH-CH ADAPT		*		100'	5373074	1 & 3
758	2	758B	5353920	2844/2314	BUS OUT A		18	CONTROL		*		100'	5373074	3
		758T	5353920	2844/2314	TAG OUT A		18	CONTROL		*		100'	5373074	3
758	2	758B	5353920	2844/2314	BUS OUT B		18	CONTROL		*		100'	5373074	1 & 3
		758T	5353920	2844/2314	TAG OUT B		18	CONTROL		*		100'	5373074	1 & 3
761	1	761A	5351178	2844/2314	PC-1	18		EPO CTRL			30	100'	5397821	3
761	1	761A	5351178	2844/2314	PC-2	24		EPO CTRL			30	100'	5397821	1 & 3
762	1	762A	5351178	2844/2314	PC-3	30		2167/2065			65	100'	5397821	2 & 3

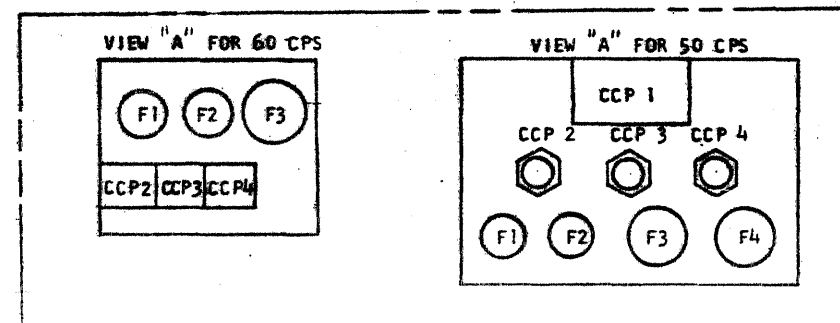
* SEE TABLE "A"

DATE	EC NUMBER	DATE	EC NUMBER	2314/2844 CABLE ROUTING AND IDENTIFICATION CHART		
JUNE 66	416124			DATE	P/N	2209838
JUL 66	416125A				TYPE	
AUG 67	420912					
JAN 68	420919					
				IBM		ZA011



NOTES:

1. CCP 1 MOUNTED HERE IN 60 CPS;
WT-TB MOUNTED HERE IN 50 CPS.
2. T3 MOUNTED HERE IN 60 CPS; (CONV. OUTL. XFMR)
T4 MOUNTED HERE IN 50 CPS (AUTO XFMR FOR FILES DRIVE)
AT 195V, 235V OR 408V LINE CONN. ONLY.
3. FOR GATE B OPTIONAL FEATURE.
4. TB LOCATION ON 2K-TROS
5. TB LOCATION ON 4K-TROS



DATE	EC NUMBER	DATE	EC NUMBER	COMPONENT LOCATION CHART		
SEPT 66	416126					
NOV 66	416131			DATE	4-28-66	P/N 2209834
24 JUL 69	424046					TYPE 2314
				IBM		ZZ 011



NOTE 1
NOTE 2
NOTE 3
NOTE 4

PHLEBOPUNCTURE

PIN	SIGNAL	PAGE
1	+6VDC	YA054
2	-3VDC	YA051
3	DC GND	YA061
4	DC GND	YA061
5		
6	SEQ PK - IN	
7	HEAD EXTD	
8	CNTLD GND	
9	SEQ PK - OUT	
10	DC GND	YA051
11	DC GND	YA051
12	READ/WRITE DATA	NS001 NS002
13	+3VDC	YA051
14	+3VDC	YA051

PIN	SIGNAL	PAGE
15	+36 VDC	YA051
16		
17		
18		
19	+36 VDC	YA061
20	+36 VDC	YA061
21	PWR ON RESET	WF012
22	SELECTED MOD	MA041
23		
24		
25	FRAME GND	
26		
27		
28		

NOTE 1

NOTE 2



PCI CONNECTOR - CHANNEL

PIN	SIGNAL	PAGE
1	24 VAC CPU	YA007
2	EPO CTRL CPU	YA031
3	PWR COMPLETE IN	YA031

PIN	SIGNAL	PAGE
4	PWR COMPLETE OUT	YA031
5	PWR CNTY, HOLD	YA021
6	PWR CNTY, PICK	YA021

CONNECTOR	DRIVER LOGIC	LAMP TITLE
C1 F1 C11	PS071	- REG DISPLAY P BIT
B1 B1 E09	RA021	- REG DISPLAY 0 BIT
B1 H1 A11	RA021	- REG DISPLAY 1 BIT
B1 H1 B11	RA021	- REG DISPLAY 2 BIT
B1 H1 B09	RA021	- REG DISPLAY 3 BIT
B1 H1 C11	RA021	- REG DISPLAY 4 BIT
B1 H1 C09	RA021	- REG DISPLAY 5 BIT
B1 H1 D09	RA021	- REG DISPLAY 6 BIT
B1 H1 E11	RA021	- REG DISPLAY 7 BIT
C1 M1 C09	KK001	- ROSAR P BIT
C1 M1 C11	KK001	- ROSAR 11 BIT
C1 M1 B09	KK001	- ROSAR 10 BIT
C1 M1 B11	KK001	- ROSAR 9 BIT
C1 M1 A11	KK001	- ROSAR 8 BIT
C1 M1 D09	PS141	- SENSE AMP CHECK
C1 M1 E11	PS141	- CONTROL REG CHECK
C1 M1 E09	PS141	- ADDRESS CHECK
C1 L1 E11	KK001	- ROSAR 7 BIT
C1 L1 D09	KK001	- ROSAR 6 BIT
C1 L1 C09	KK001	- ROSAR 5 BIT
C1 L1 C11	KK001	- ROSAR 4 BIT
C1 L1 B09	KK001	- ROSAR 3 BIT
C1 L1 B11	KK001	- ROSAR 2 BIT
C1 L1 A11	KK001	- ROSAR 1 BIT
C1 K1 E09	KK001	- ROSAR 0 BIT
C1 N1 A11	PS141	- DATA CHECK
C1 N1 A09	PS141	- MACHINE STOP
C1 K1 E11	PS141	- TEST PROBE
C1 F1 E09	PS141	- POWER ON
C1 L1 E09	PS141	- INTERFACE DISABLED

NOTES:

1. AIX STORAGE CNTL FEATURE ONLY
2. NOT USED WITH AIX STORAGE CNTL FEATURE
3. — ♦ — FEATURE WIRING
ECICH USED WITH 8 GATE OPTIONAL FEATURE

