

MACH LIST FOR-5421 MOD- SER-53001562 PLT-53 MACCHINA RECON 02JUL79

CTRY-724 CUST-W023104- SER BR- SYS #- D0488-000- TYP-3015

FCT ORDER-YM8150 SALES MODEL-001 PLT SEQ #-

TYPE OF PRODUCTION - 5 LOCATION CODE - D

SHIPPED-02JUL79 SHP SEQ-0007 FCT SEQ-0017 WD- MODE-P3 MACH STA-FACTORY R

SEQ #	EC #	STATUS	MASTER COMMENT	PICK-UP EC	DATE
A0013	000572316	PRES LVL			
B0017 FCT	000572207	FACT LVL			
B0024 FCT	000927730	INSTALED			02JUL79
Y0002 OPT	000577140	INSTALED			02JUL79
Y0003 OPT	000572203	INSTALED			02JUL79
Y0004 OPT	000999991	SUSPENSE			

FEATURE BM	QTY	FEATURE NAME	MES #	K	M	DEV	STAT	DATE	ACC	SHP-LVL-FCT
0002454602	0001	SHIPPING GROUP					INT	02JUL79		0002
*****							COMMENTS			
D0005	000572316	PRES LVL								
E0002 FCT	000571947	FACT LVL								
0002454640	0001	11.5 FT. CORD 50					INT	02JUL79	0001	0000
*****							COMMENTS			
D0001	000818806D	PRES LVL								
0002454678	0001	COVER GROUP BLUE					INT	02JUL79		0000
*****							COMMENTS			
D0001	000818805C	PRES LVL								
0005134302	0002	VOLT GR NON-PDB					INT	02JUL79		0007
*****							COMMENTS			
D0002	000571760	PRES LVL								
E0007 FCT	000571985	FACT LVL								
Y0001 OPT	000577137	INSTALED								02JUL79

END

MACH LIST FOR-5421 MOD- . SER-53001562 PLT-53 MACCHINA RECON 02JUL79

CTRY-724 CUST-W023104- SER BR- SYS #- 00488-000- TYP-3015

FCT ORDER-YM8150 SALES MODEL-001 PLT SEQ #-

TYPE OF PRODUCTION - 5 LOCATION CODE - D

SHIPPED-02JUL79 SHP SEQ-0007 FCT SEQ-0017 WD- MODE-P3 MACH STA-FACTORY R

FEATURE SUMMARY LIST

PAGE 01

FEATURE BM	SOP	QTY	STAT	FEATURE NAME	MES	DEV	DATE	CCL	RPQ
0002454602		0001	INT	SHIPPING GROUP			02JUL79		
0002454640		0001	INT	11.5 FT. CORD 50			02JUL79		
0002454678		0001	INT	COVER GROUP BLUE			02JUL79		
0005134302		0002	INT	VOLT GR NON-POB			02JUL79		

TABLE OF CONTENTS

REPORT NUMBER 000000

REPORT DATE 02JUL79

VOL BD M/T 5421 SERIAL 53001562

MACCHINA RECON

LOGIC NUMBER DESCRIPTION  
SLT BOARDS

PART NUMBER EC NUMBER FEATURE BM

01A-A1 CUSTOMIZED BOARD ASSEMBLY

0002454606 000577149

PAGE NO. 0001

TABLE OF CONTENTS

REPORT NUMBER 000000

REPORT DATE 02JUL 79

VOL 001 M/T 5421

SERIAL 53001562

MACCHINA RECON

LOGIC SYSTEMS DIAGRAMS	NUMBER	DESCRIPTION	PART NUMBER	EC NUMBER	FEATURE	BM
	A1122	SOCKET LISTING	0002545750	000572225		
	HQ091	INTERFACE RECEIVER	0002545751	000818828		
	HQ092	INTERFACE RECEIVER	0002545752	000818828		
	HQ093	INTERFACE RECEIVER	0002545753	000818828		
	HQ094	INTERFACE RECEIVER	0002545754	000818828		
	HQ096	REED RELAY SINGLE POSITION N-O CT	0002545755	000818828		
	HQ097	REED RELAY SINGLE POSITION N-O CT	0002545756	000818828		
	HQ101	SWITCH CONVERTERS	0002545757	000818828		
	HQ102	SWITCH CONVERTERS	0002545758	000818828		
	HQ110	AMPLIFIER CONVERTERS	0002545759	000577149		
	HQ120	STACKER RATE LIMITER	0002545760	000577149		
	HQ130	CARRIAGE SOLENDID DRIVERS	0002545761	000818828		
	HQ140	CARRIAGE SOLENDID DRIVERS	0002545762	000818833		
	HQ150	ANY HAMMER ON CHECK	0002545763	000818828		
	HQ210	CARRIAGE SPACE SINGLE SHOTS	0002545764	000818833		
	HQ220	CARRIAGE SINGLE SHOTS	0002545765	000818833		
	HQ230	DEVICE READY DELAY	0002545766	000818828		
	HQ235	IDLE CONTROL DELAY	0002545767	000818828		
	HQ240	BRUSH DETECTOR	0002545768	000818833		
	HQ250	HAMR DRIVER POWERING	0002545769	000818828		
	HQ255	HAMR DRIVER POWERING	0002545770	000818828		
	HQ301	HMR DRIVERS 1-12	0002545771	000818828		
	HQ302	HMR DRIVERS 1-12	0002545772	000818828		
	HQ311	HMR DRIVERS 13-24	0002545773	000818828		
	HQ312	HMR DRIVERS 13-24	0002545774	000818828		
	HQ321	HMR DRIVERS 25-36	0002545775	000818828		
	HQ322	HMR DRIVERS 25-36	0002545776	000818828		
	HQ331	HMR DRIVERS 37-48	0002545777	000818828		
	HQ332	HMR DRIVERS 37-48	0002545778	000818828		
	HQ341	HMR DRIVERS 49-60	0002545779	000818828		
	HQ342	HMR DRIVERS 49-60	0002545780	000818828		
	HQ351	HMR DRIVERS 61-72	0002545781	000818828		
	HQ352	HMR DRIVERS 61-72	0002545782	000818828		
	HQ361	HMR DRIVERS 73-84	0002545783	000818828		
	HQ362	HMR DRIVERS 73-84	0002545784	000818828		
	HQ371	HMR DRIVERS 85-96	0002545785	000818828		
	HQ372	HMR DRIVERS 85-96	0002545786	000818828		
	HQ381	HMR DRIVERS 97-108	0002545787	000818828		
	HQ382	HMR DRIVERS 97-108	0002545788	000818828		
	HQ391	HMR DRIVERS 109-120	0002545789	000818828		
	HQ392	HMR DRIVERS 109-120	0002545790	000818828		
	HQ401	HMR DRIVERS 121-132	0002545791	000818828		
	HQ402	HMR DRIVERS 121-132	0002545792	000818828		
	HQ422	5421 MINIBUS PLACEMENT	0002545793	000577149		
	HQ423	5421 MINIBUS PLACEMENT	0002545794	000577149		
	WK501		0007369910	000572203		
	WL201	INTF. ATTACHMENT TO PEB ENTRY	0002545796	000818828		
	WL205	PEB TO ATTACHMENT INTERFACE EXIT	0002545797	000818828		
	WL301	5421 EXIT LINES	0002545798	000577149		
	WL302	5421 EXIT LINES	0002545799	000818828		
	WL303	5421 ENTER-EXIT LINES	0002545800	000577149		
	WL304	5421 ENTER-EXIT LINES	0002545801	000818828		
	WL305	5421 EXIT LINES	0002545802	000572256		
	WL306	5421 EXIT LINES	0002545803	000818833		
	WL307	5421 EXIT LINES	0002545804	000818828		
	WL308	5421 ENTER EXIT LINES	0002545805	000818828		
	WL309	5421 ENTER LINES	0002545806	000818828		
	WL310	SC-1 + 60V COM HMR RTN	0002545808	000572256		
	WL311	SC-2 + 60V COM HMR RTN	0002545807	000572256		
	YA301		0007369864	000571685		
	YA302	COMPONENT LIST REF	0007369865	000571685		
	YA303	AC AND DC BOX LAYOUT REF	0007369866	000818832		
	YA304	5421 LAYOUT REF	0007369867	000818818		
	YA305	PRINTED CIRCUIT BOARD REF	0007369868	000572326		
	YA306	50-60HZ POWER PLUGS (REF)	0007369869	000818806E		
	YA307	PEB VOLTAGE DISTRIBUTION	0007369911	000572256		
	YA308	TERMINAL BLOCKS 5,6,7 (REF)	0007369912	000818828		
	YA310	TIMING CHART (REF)	0007369913	000818832		
	YA311		0007369851	000571760		0005134302
	YA312		0007369853	000572203		0005134302
	YA315	DC POWER INTERFACE	0007369854	000572316		
	YA320	1403 MOTOR CONTROL	0007369855	000571694		
	YA330	1403 60V CTRL	0007369856	000572256		
	YA335	-6V GEN, 60V RTN, AC BLOWERS	0007369857	000572256		
	YA340	DC DISTRIBUTION	0007369858	000572203		
	YA350	DC DISTRIBUTION	0007369859	000818820		
	YA401	VOLTAGE INLK	0007369860	000572256		

TABLE OF CONTENTS

REPORT NUMBER 000000

REPORT DATE 02JUL79

VOL 001 M/T 5421 SERIAL 53001562

MACCHINA RECON

LOGIC	NUMBER	DESCRIPTION	PART NUMBER	EC NUMBER	FEATURE	BM
SYSTEMS DIAGRAMS						
	YA406	VOLTAGE GENERATION	0007369861	000572326		
	YA411	VOLTAGE SENSE CKT	0007369862	000818806E		
	YA412	I/O PWR UP	0007369863	000572256		
	YF172	WIRING DIAGRAM	0005244082	000713095		
	YF333		0005761411	000740217	0005134302	
	YF471		0005761711	000714617		
	YF695		0002584051	000740217	0005134302	

Table with columns B1, B2, B3, B4, C1, D1, E1, F1. Contains card information such as 'DOUBLE CARD 5860984 L984' and 'SINGLE CARD 5863580 P580'.

Table with columns F1, F2, F3, F4, F5, F6, F7, G1, G2, G3, G4, G5, G6, G7, H1, H2. Contains card information such as 'DOUBLE CARD 5860720 0720' and 'SINGLE CARD 5861009 R009'.

Table with columns H3, H4, H5, H6, H7, J1, J2, J3, J4, J5, J6, J7, K2, L1. Contains card information such as 'DOUBLE CARD 5860720 0720' and 'SINGLE CARD 5803576 3576'.

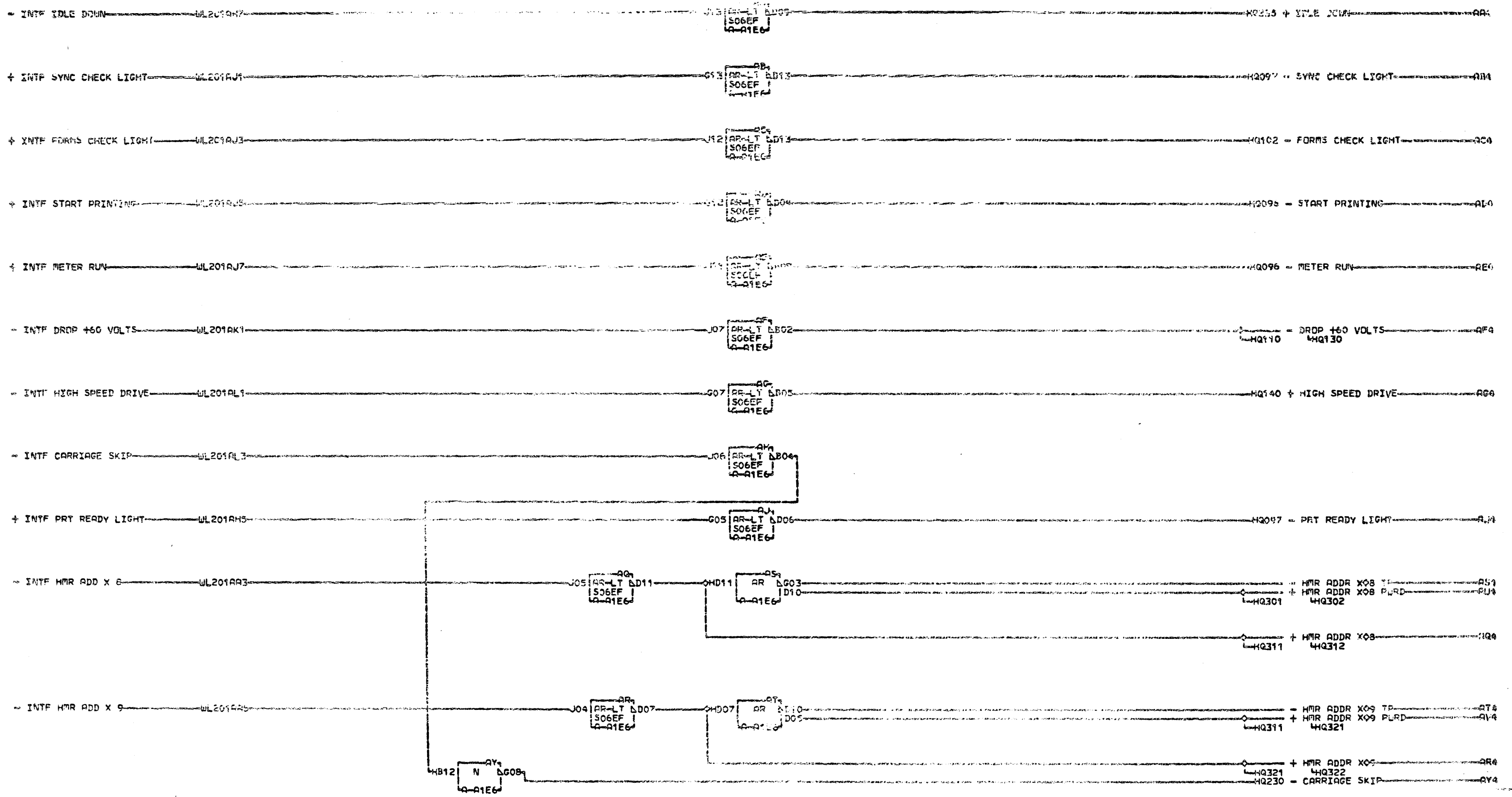
Table with columns L1, L2, L3, L4, L5, L6, M1, M2. Contains connector information such as 'CONNECTOR HQ322AJ2' and 'CONNECTOR HQ311AJ2'.

Table with columns M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13. Contains connector information such as 'CONNECTOR HQ381BE2' and 'CONNECTOR HQ402AE2'.

Table with columns N3, N4, N5, N6, N7. Contains connector information such as 'CONNECTOR WL201AA1' and 'CONNECTOR HQ240AE4'.

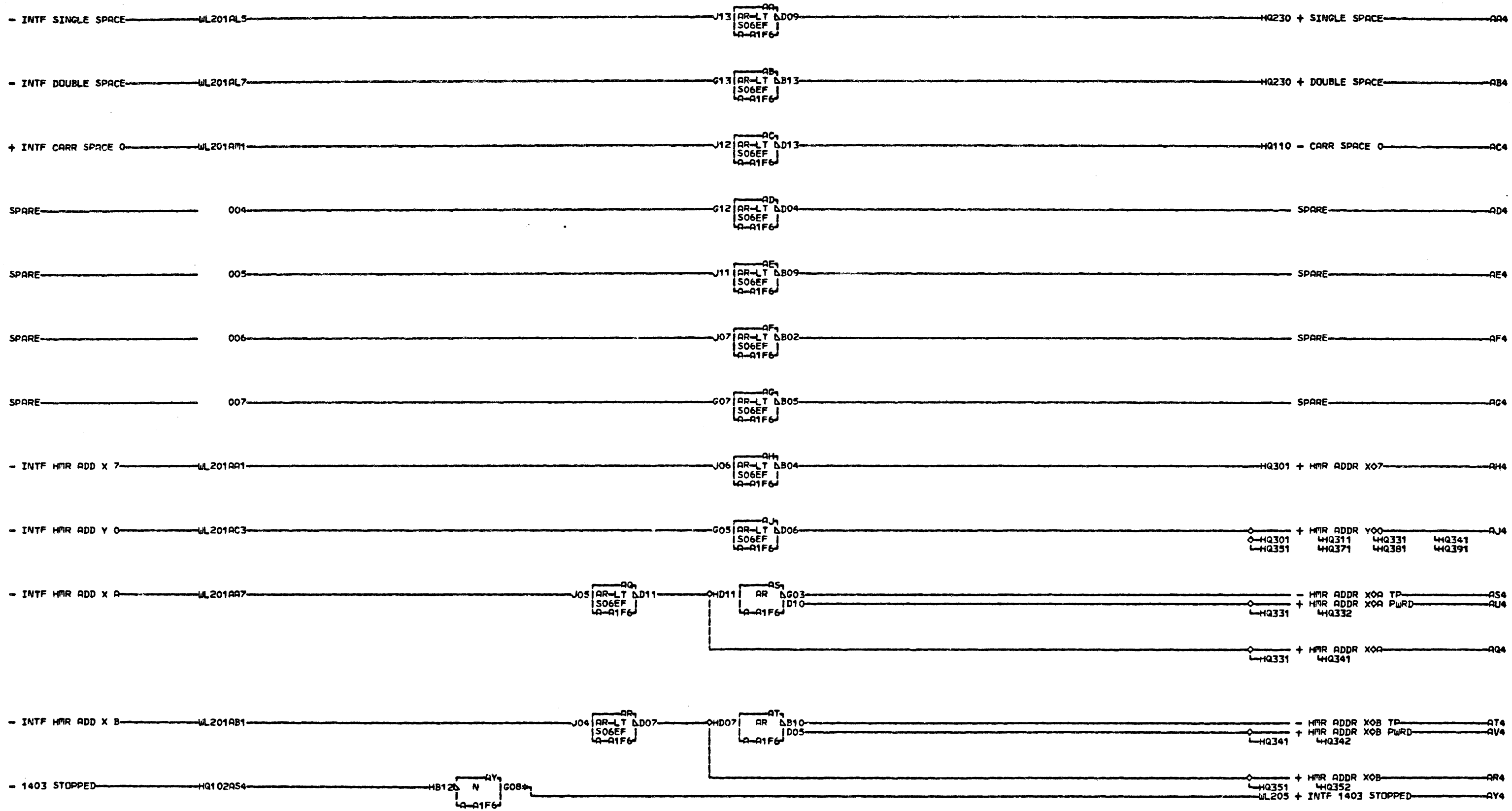
Table with columns PART NO, ACC, TYPE, SOCKETS, TOTAL. Contains a PLUG LIST with various part numbers and socket counts.

SOCKET LISTING
DATE 07-11-74
LOG 498 BOARD 01A-R1
PREV. ENGR. 11-29-73 577149
PRES. ENGR. 06-27-74 572225
P.N. 2545750
IBM CORP. SDD BLK.



LOC. TYPE  
A-1E6 5773

INTERFACE RECEIVER	
E.C. HISTORY	MACH. 5421-5LD
FRAMES	01
IS% CORP. GSD	000
DATE LAST EC	102-01-72 81828
Part	2545751



AY2 A-A1NSB05

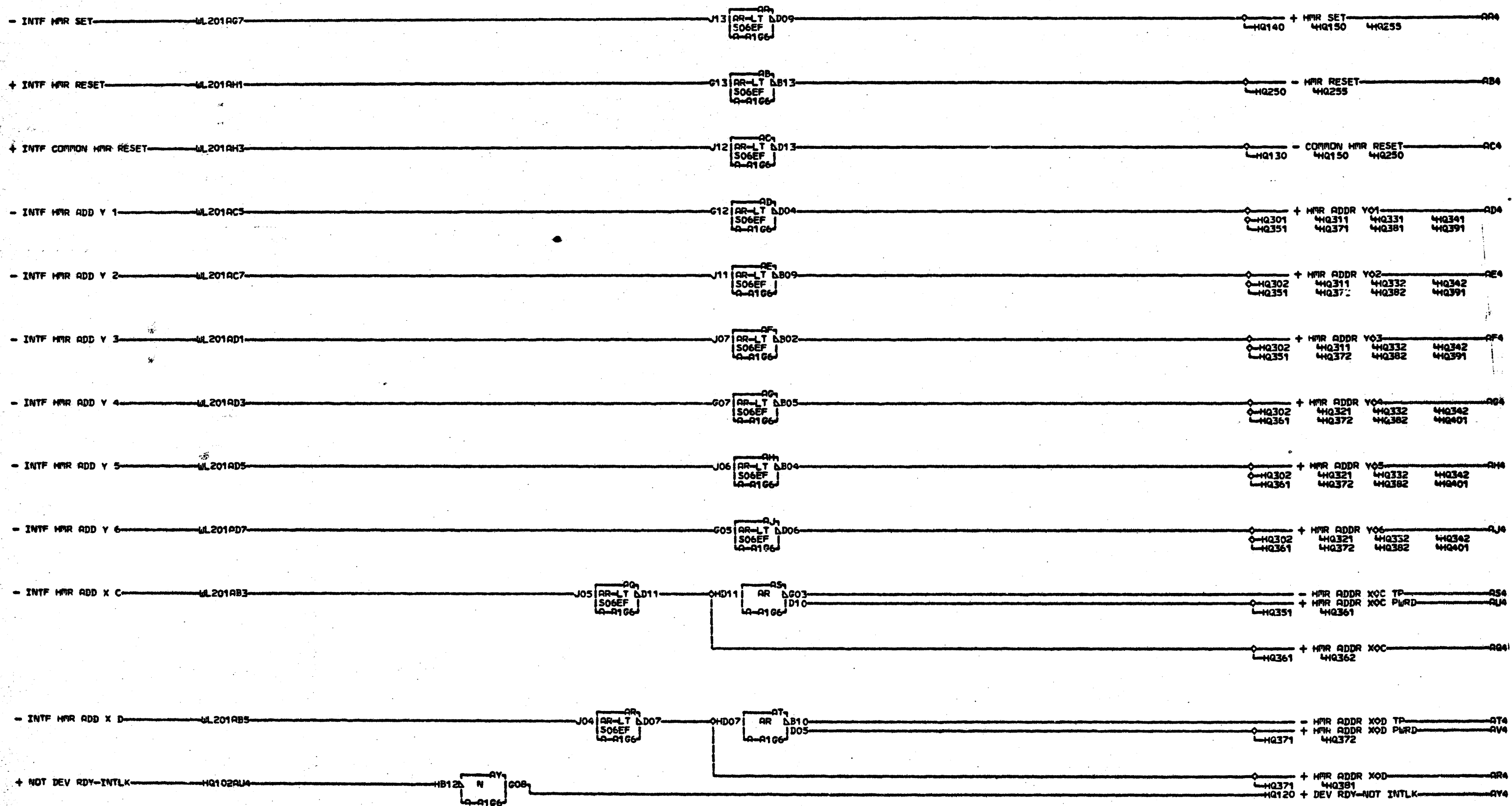
LOC. TYPE  
A-A1F6 5773

INTERFACE RECEIVER	
E.C. HISTORY	MACH. 5421-SLD
DATE	LAST EC
02-01-72	818828
FRAME	G1
IBM CORP.	G3D
P.No.	2545752

000  
N 9000  
000

H Q 0 9 2  
000



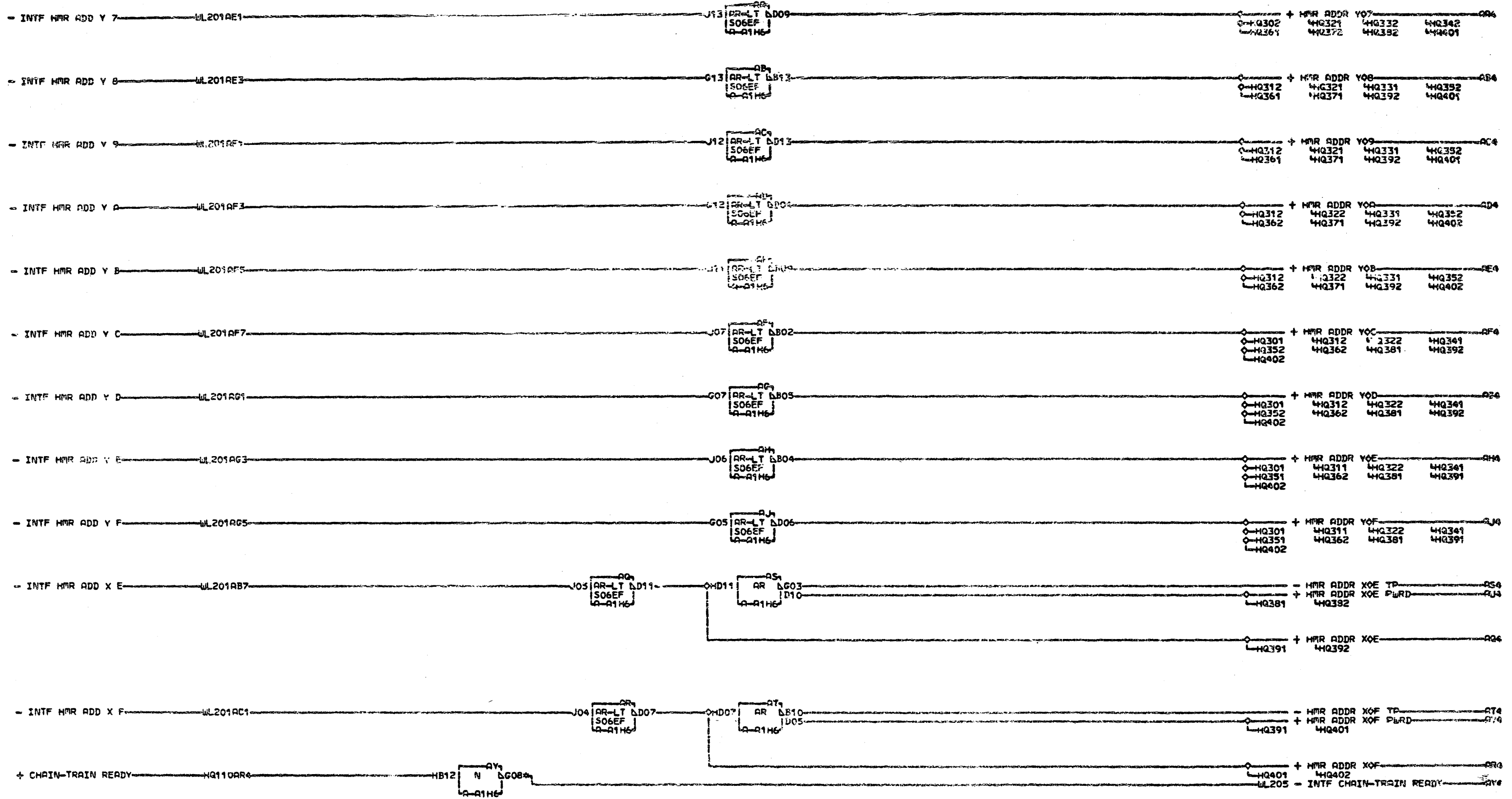


LDC. TYPE  
A-166 5773

INTERFACE RECEIVER	
E.C.-HISTORY	RACH.3421-SLD
FRAME	01
DATE	LAST EC
02-01-72	818828
P.No.	2545753

H  
Q  
0  
9  
3  
000

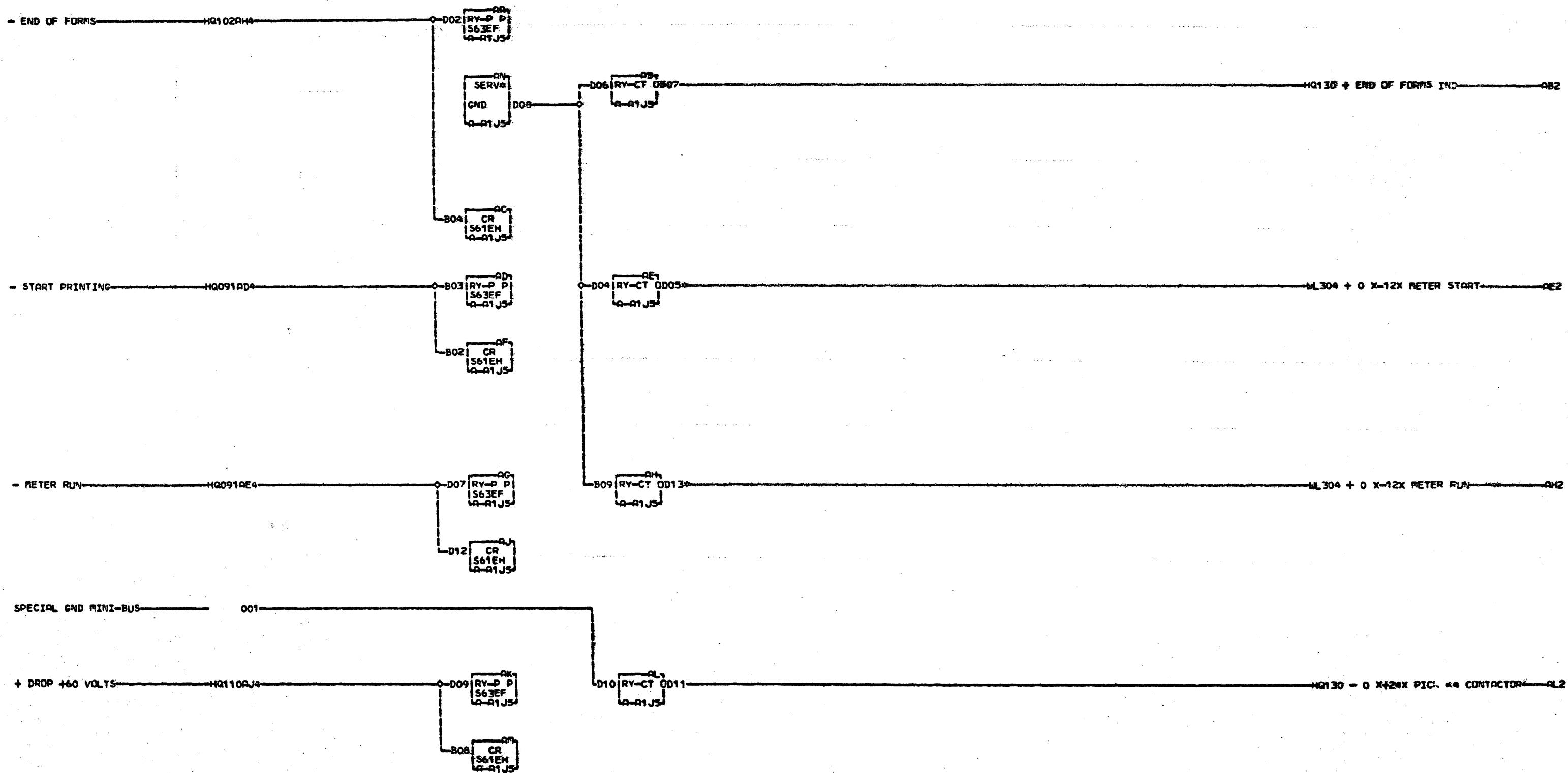
H  
Q  
0  
9  
3  
000



AY2 A-A1N7D10

LDC TYPE  
A-A1H6 5773

INTERFACE RECEIVER	
E.C. HISTORY	ACH 5421-SD
FRAME	01
DATE LAST EC	02-01-72 81828
ISN CORP.	OSD
Part No	2545754



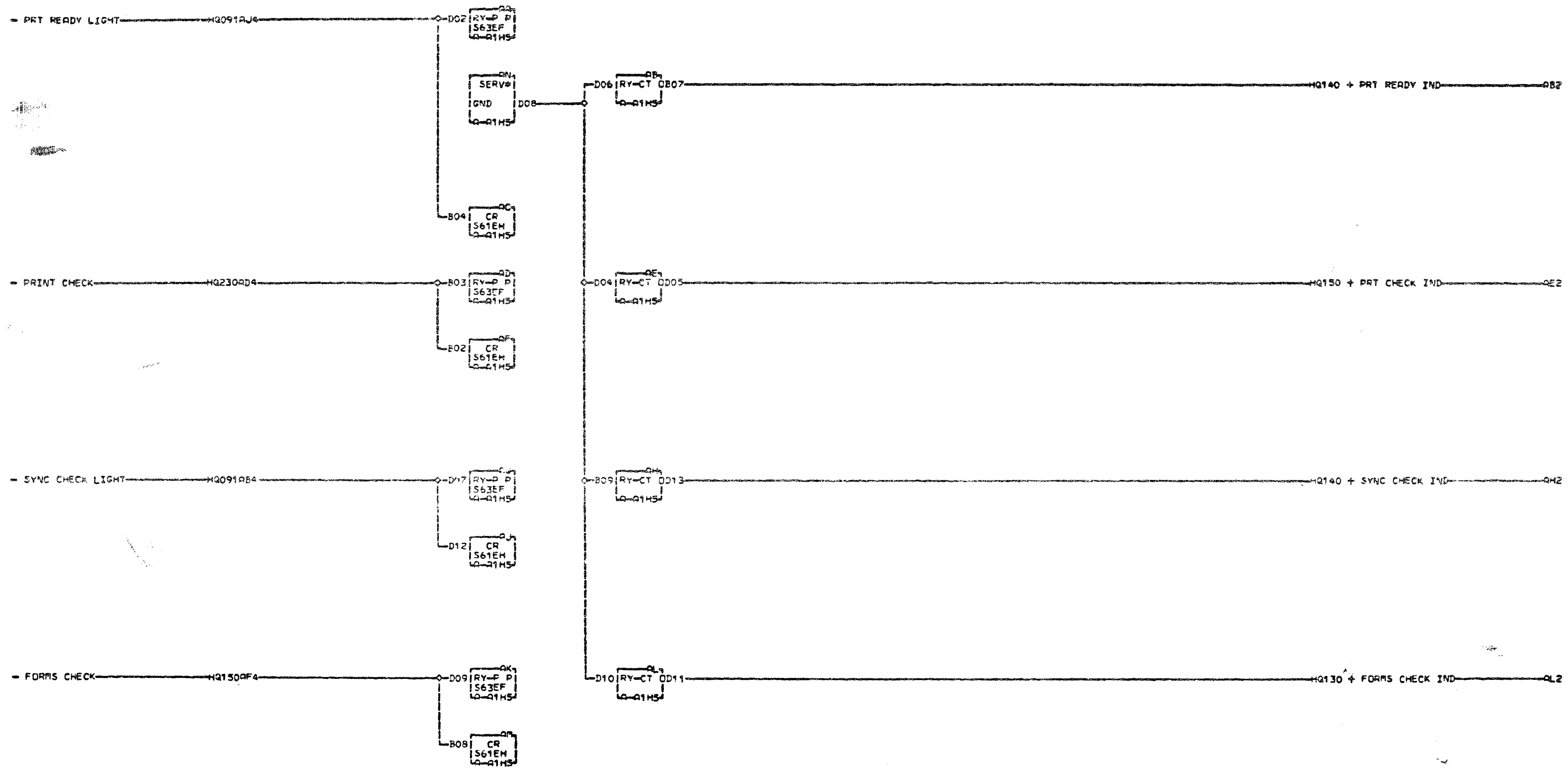
AE2 A-A1L6D85  
AH2 A-A1L6B04

LOC. TYPE  
A-A1J5 3576

REED RELAY SINGLE POSITION	
H-D CONTACT	
E-C-HISTORY	RACH 5421-SLD
FRAME	01
DATE	IBM CORP. GSD
02-01-72 818828	IPeNo 2545755

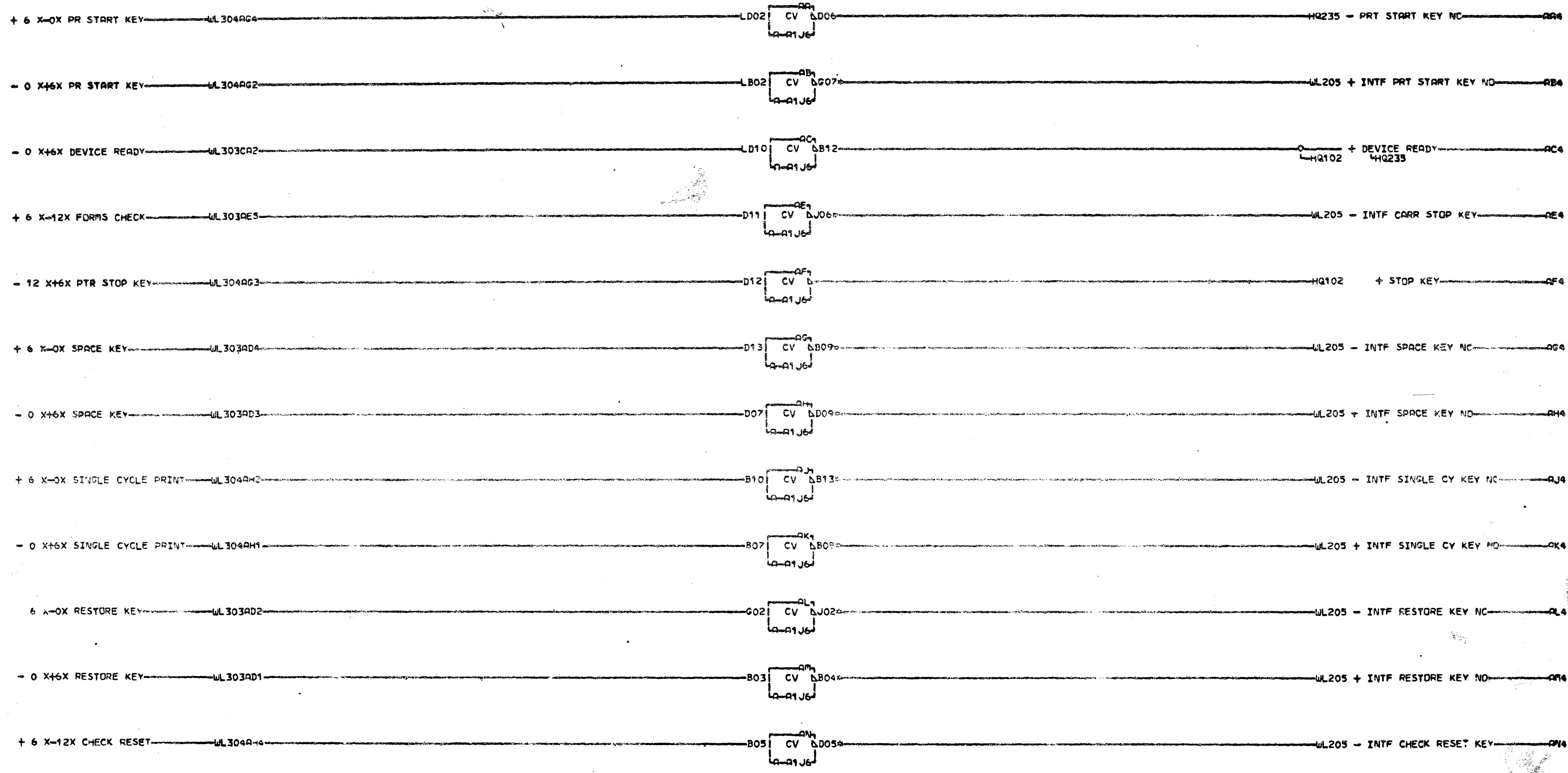
H  
0  
0  
9  
9  
6  
0  
0  
0

H  
0  
0  
9  
9  
6  
0  
0  
0



LOC. TYPE  
A-A1H5 3576

REED RELAY SINGLE POSITION		
N-O CONTACT		
E.C. HISTORY	A-MACH. 5421-SLD	
FRAME	01	
IBM CORP. GSD		
DATE LAST EC	02-01-72 818828	
PaNo	2545756	



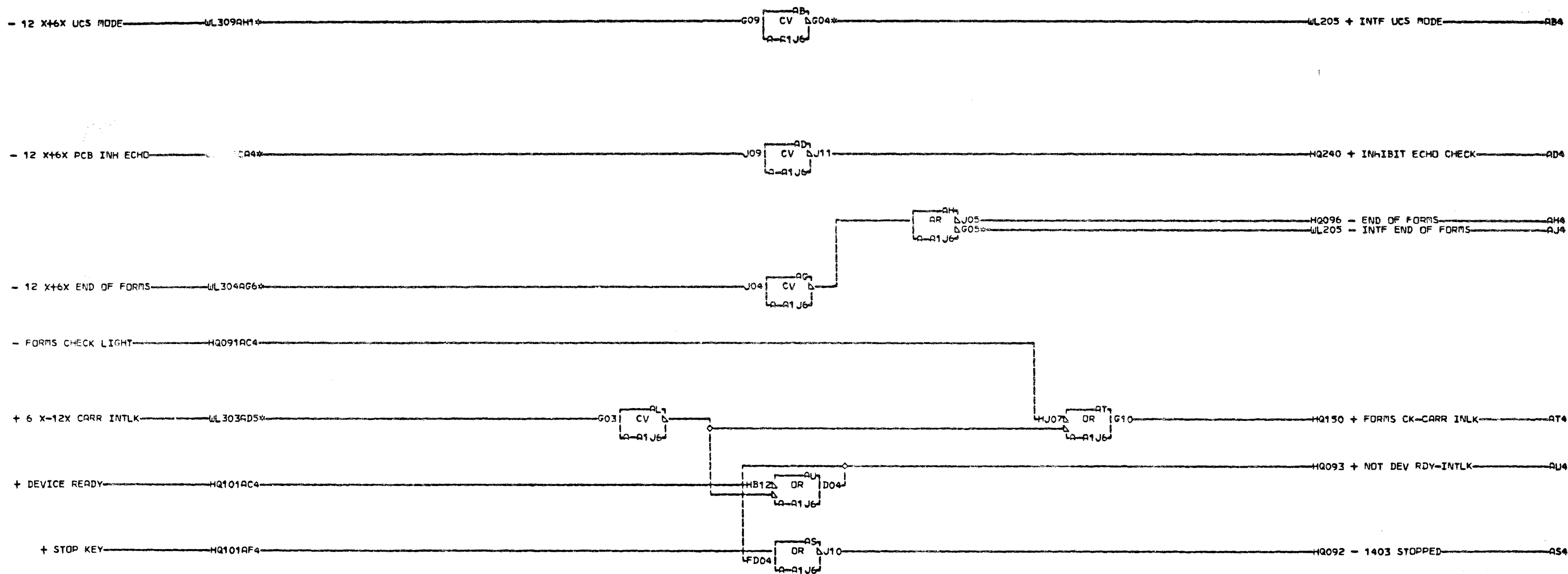
H  
1  
0  
1  
000

AB2 A-A1N5B04  
 AE2 A-A1N5B06  
 AG2 A-A1N5B09  
 AH2 A-A1N5B10  
 AJ2 A-A1N5B12  
 AK2 A-A1N5B13  
 AL2 A-A1N5D02  
 AM2 A-A1N7D02  
 AN2 A-A1N5D05

LOC. TYPE  
 A-A1J6 M013

SWITCH CONVERTERS	
E-C-HISTORY	PACH. 5421-SLD
FRAME	01
DATE	LAST EC
102-01-22 816828	IBN CORP. 63D
	PAN. 2545757

M  
0  
1  
0  
1  
000



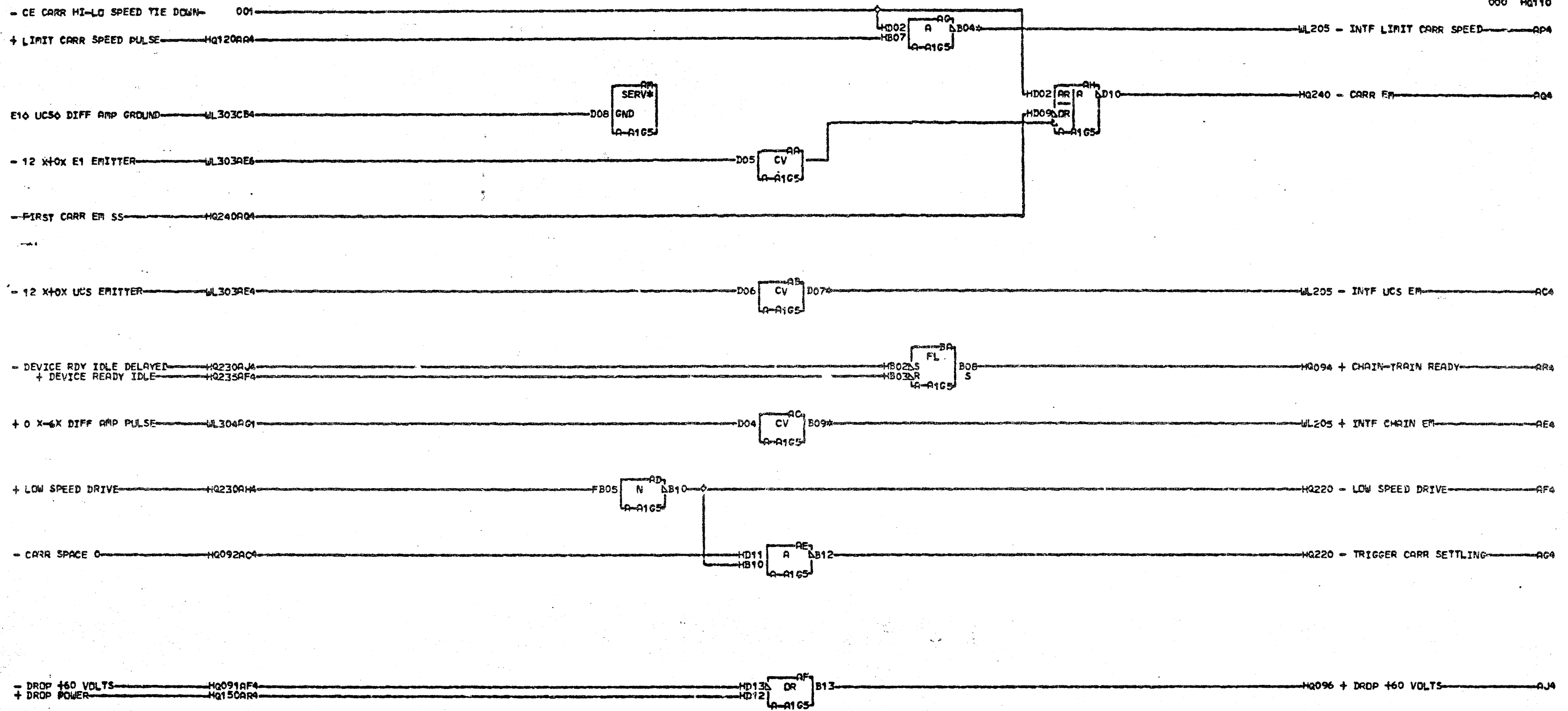
WL303AD5 RESISTOR A-A1J6G03  
 WL303CR4 RESISTOR AB2 A-A1N7D06  
 WL304AG6 RESISTOR AH3 A-A1N5D07  
 WL309AH1 RESISTOR A-A1J6G09  
 A-A1J6J09  
 A-A1J6J04

LOC. TYPE  
 A-A1J6 P013

SWITCH CONVERTERS	
EoCo-HISTORY	A-MACH.5421-SLD
DATE	LAST EC
102-01-72 818828	P.N. 2545758

NO. 102  
 000

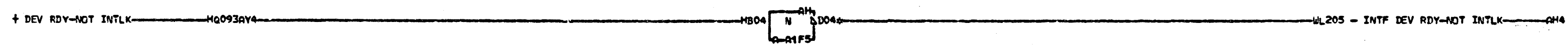
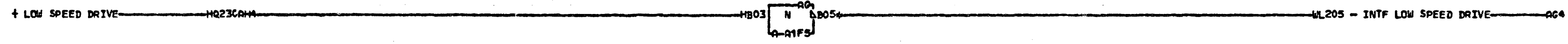
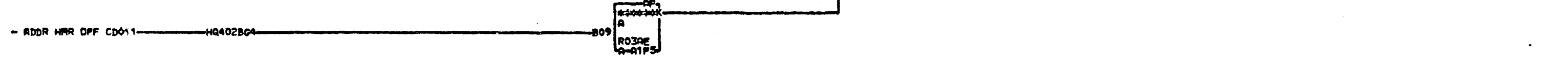
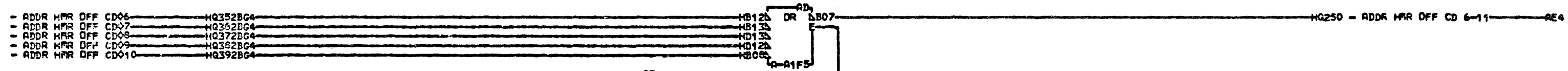
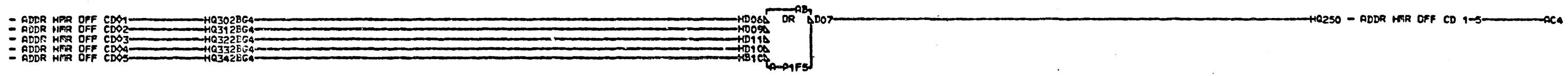
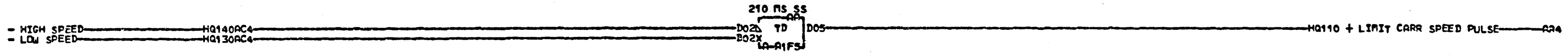
HQ102  
 000



AB2 A-A1N7D05  
 AC2 A-A1N5D13  
 AG2 A-A1N7D13

LOC. TYPE  
 A-A1G5 N779

AMPLIFIER CONVERTERS	
E.C. HISTORY	C. MACH. 5421-SLD
818809	FRAME (1)
818812	IBR CORP. GSD
818828	
818833	
DATE	LAST EC
11-02-73	577149
	P.No. 2545759



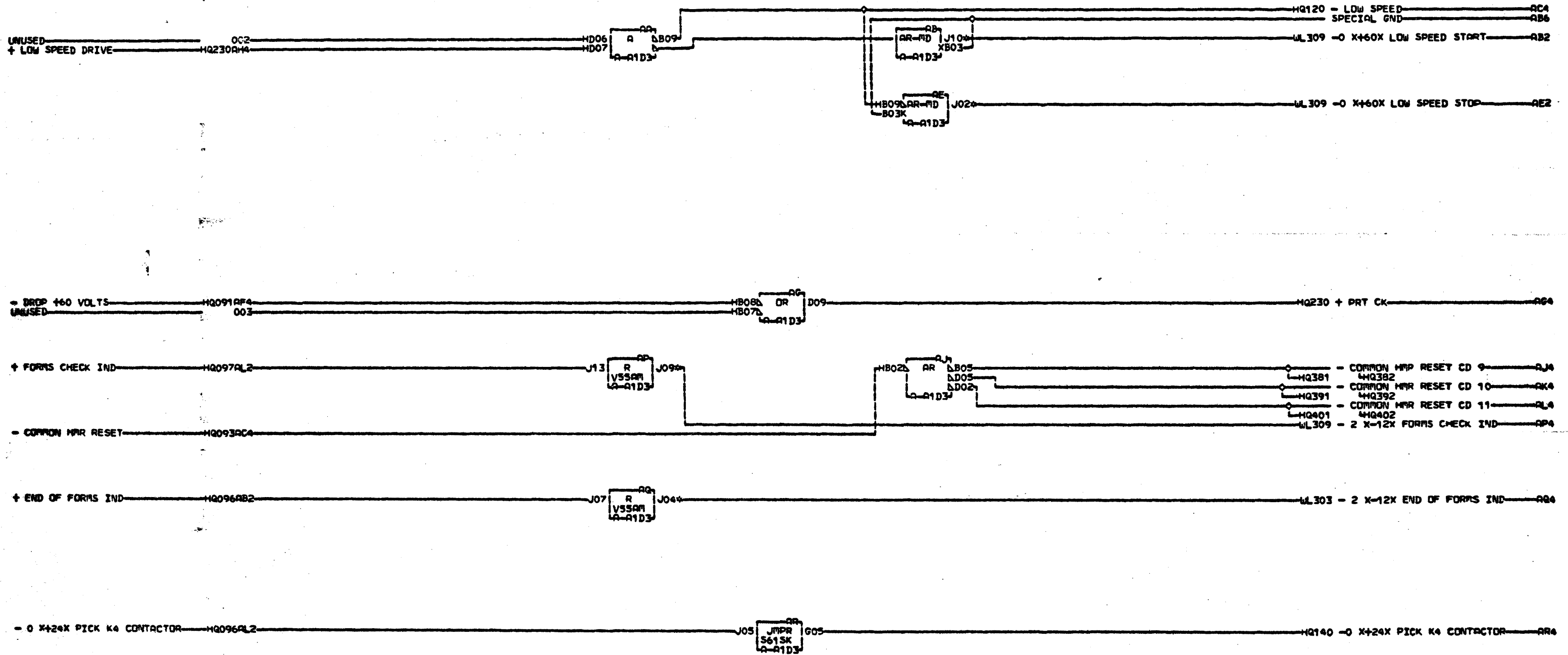
AG2 A-A1N5D09  
AN2 A-A1N7B13

LOC. TYPE  
A-A1F5 R009

STACKER RATE LIMITER		
E.C.-HISTORY	C. FACH.5421-SLD	H
818809		0
818812	FRAME	01
818828		0
DATE	LAST EC	
11-02-73	577149	000
	P.No. 2545760	

H  
1  
2  
0  
000





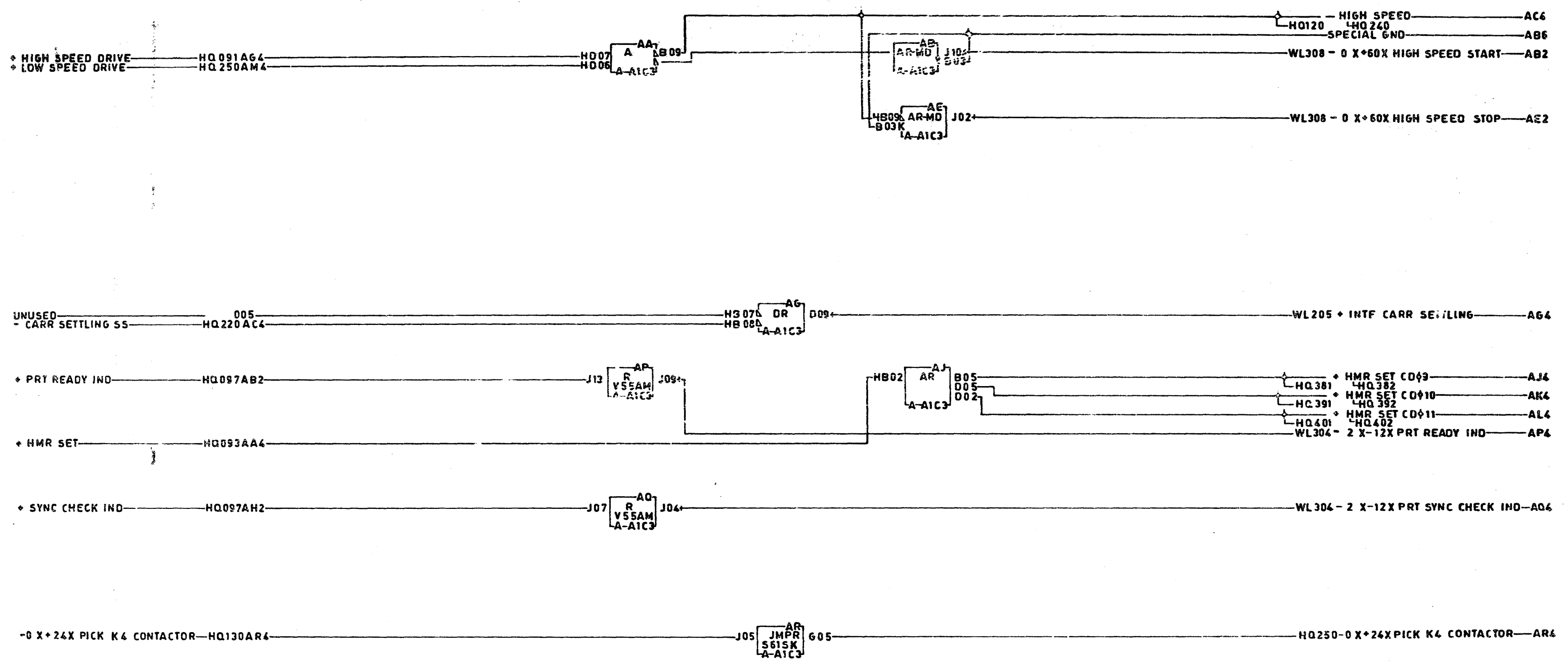
000

AB2 A-01A5B11  
 AE2 A-01A5B10  
 AB2 A-01A5B02  
 AB2 A-01L4808

LOC. TYPE  
 A-11D3 N778

CARRIAGE SOLENOID DRIVERS	
E.C. HISTORY	A-RACH-5421-SLD
FRAME	01
DATE LAST EC	IBM CORP. 65D
02-01-72 818828	P.No. 2545761

000

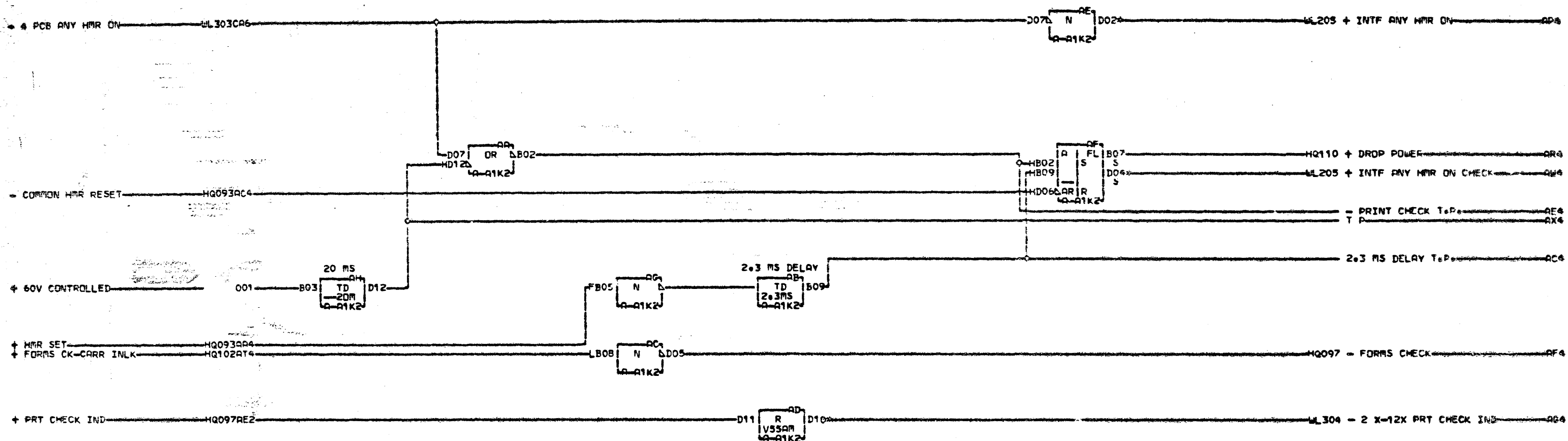


H  
Q  
1  
4  
0  
000

AB2 A-A1L5010  
AE2 A-A1L5009  
AG2 A-A1N7011  
AP2 A-A1L6009  
AQ2 A-A1L6004

LOC. TYPE  
A-A1C3 H778

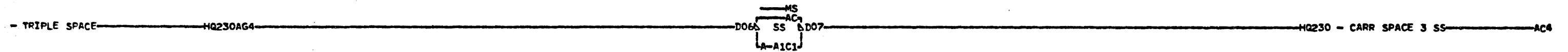
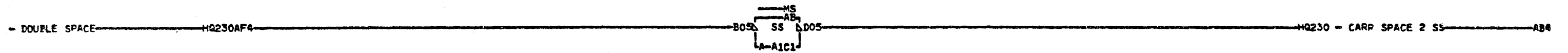
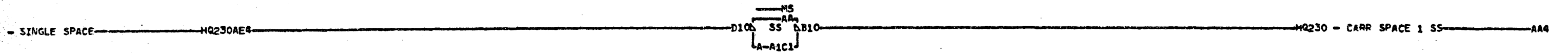
CARRIAGE SOLENOID DRIVERS		H
E.C. HISTORY	B MACH. 5421-SLD	Q
818809	FRAME 01	4
818812	IBM CORR. 6SD	0
818826		
DATE LAST EC	R.N. 2545762	000
05 22 72 818833		



AD2 A-A1L6B03  
 RE2 A-A1N7D09  
 RF4 A-A1NSD06

LOC. TYPE  
 A-A1K2 N777

ANY HAMMER ON CHECK	
E.C. HISTORY	RACH 5421-SLD
DATE	LAST EC
02-01-72	818828
FRAME	01
IBN CORP.	63D
P.N.	2545763



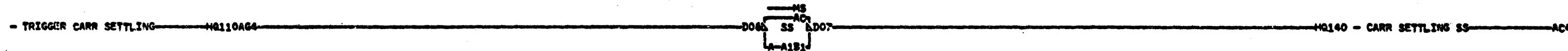
\*NOTE 1 SS SETTINGS SHOULD BE NOTED EACH TIME ADJUSTMENT IS MADE. SEE 1403 DIAGNOSTIC SECTION E18  
 2 \*NOTE 2 POT LOCATIONS ON 1 CARD UPPER-SPACE 1 SS  
 0 CENTER-SPACE 2 SS  
 0 LOWER-SPACE 3 SS

000

LOC. TYPE  
A-A1C1 L984

CARRIAGE SPACE SINGLE SHOTS	
E.C. HISTORY	MACH. 5421-SLD
818809	FRAME 01
818812	IBM CORP. GSD
818828	P.N. 2545764
DATE LAST EC	
06-27-77 818835	

H  
Q  
2  
1  
0  
000



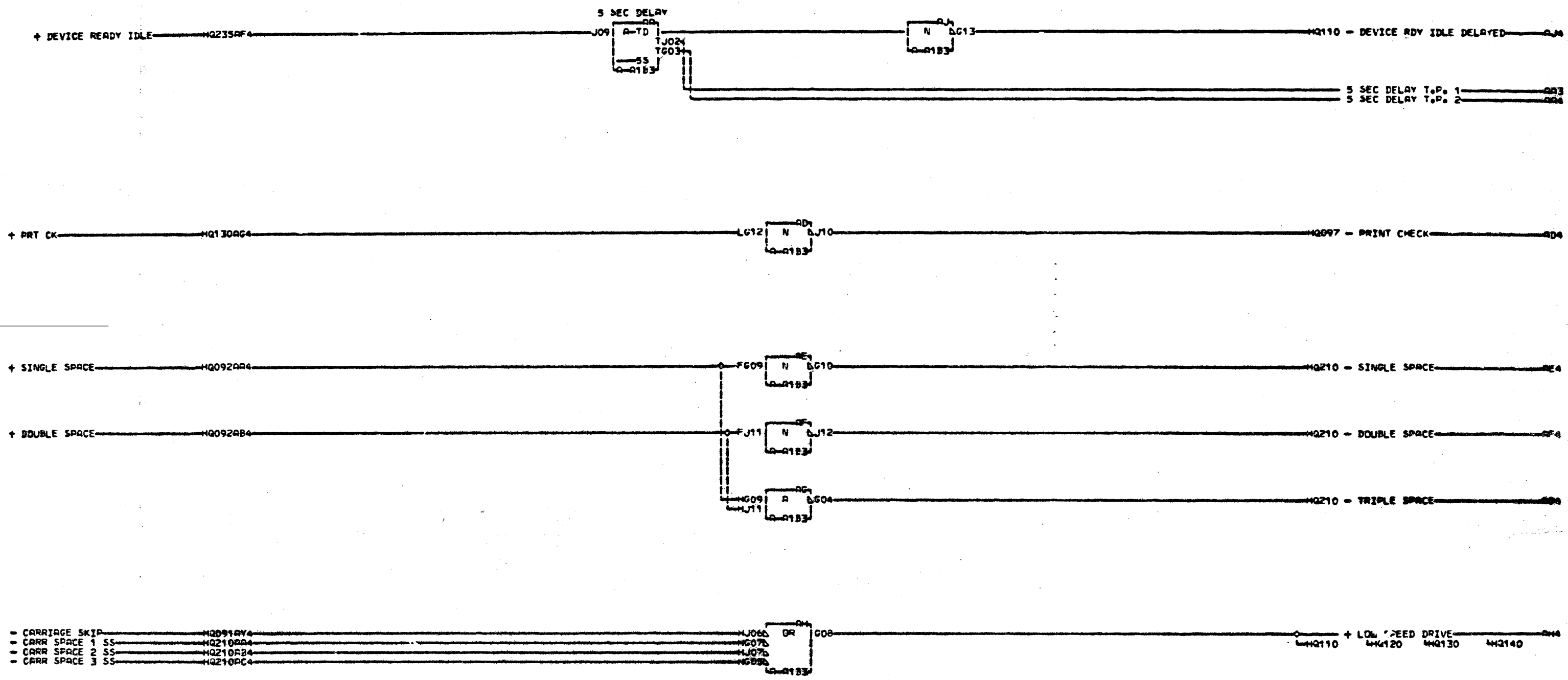
NOTE 1 SS SETTINGS SHOULD BE NOTED EACH TIME ADJUSTMENT IS MADE. SEE 1403 DIAGNOSTIC SECTION E18  
 NOTE 2 POT LOCATIONS ON CARD UPPER LOW SPD FIRST EM SS  
 CENTER HIGH SPD FIRST EM SS  
 LOWER-CARR SETTling SS

000

LOC. TYPE  
A-1B1 L984

CARRIAGE SINGLE SHOTS	
E-C-HISTORY	MACH.5421-SLD
818809	FRAME 01
818812	IBM CORP. GSD
818828	P.N. 2945765
DATE	LAST EC
06-22-72	818833

000

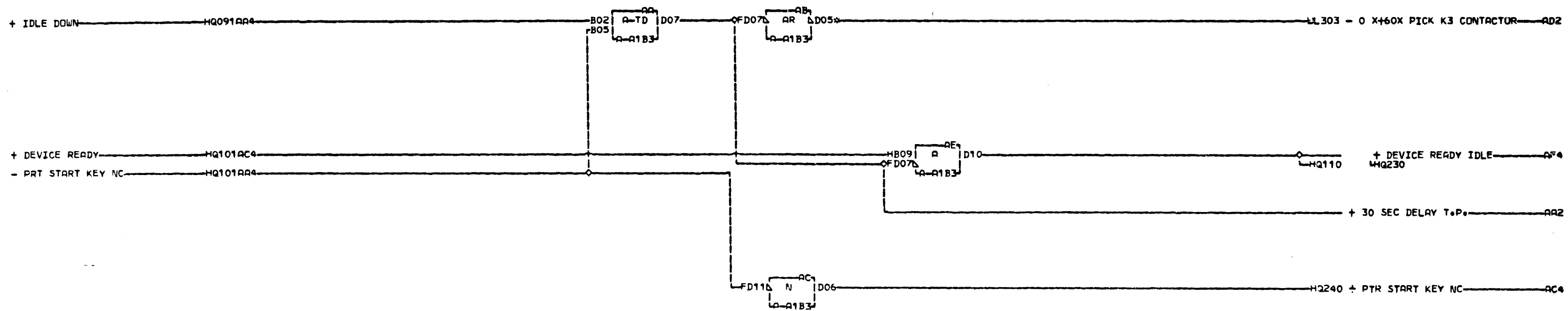


000000

LDC. TYPE  
A-183 1789

DEVICE READY DELAY	
E.C. HISTORY	FRAC. 5421-5LD
DATE LAST EC	FRAME 01
02-01-72 818828	IBR CORR. 630
	Rev. 2943766

000000



000

AB2 A-A1M6D09

LOC. TYPE  
A-A1B3 N789

IDLE CONTROL DELAY	
E.C. HISTORY	A-MACH-5421-SLD
DATE	LAST EC
02-01-72	818828
FRAME	01
IBN CORP. QSD	
P.No	2545767

000

46  
44  
42 ID FFOO. PROG E192-01. SSM5  
40  
38  
36 LO SP 1ST EMIT SS 08.90  
34  
32 HI SP 1ST EMIT SS 05.95  
30  
28  
26 CARRIAGE SETT SS 14.73  
24  
22 TRIPLE SPACE SS 13.64  
20  
18  
16 DOUBLE SPACE SS 09.88  
14  
12 SINGLE SPACE SS 05.72  
10  
8  
6  
4  
2

SECTION TERMINATED  
ID FFOO. PROG E192-01. SSM5  
SECTION TERMINATED

FOR REPAIR TO THE BRUSH DETECTOR FROM RUNNING, SET SSM 05 AND ADD JUMPER A-81G2M02 TO A-81E2U10

SECTION TERMINATED

MANUAL MAINTENANCE TAP 201

AP4  
H0220 - FIRE LOW SPEED SS  
CS

AG4  
H0110 - FIRST CARR EM SS

AB4  
WL205 + INTF CARR BRUSH

AC4  
WL205 - INTF INHIBIT ECHO CHECK

AD4  
WL205 + INTF CARR EM

AE4  
WL205 - INTF PTR START KEY NC

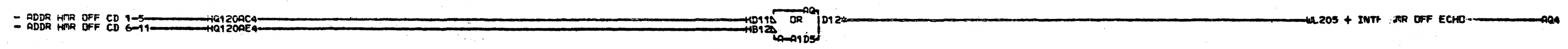
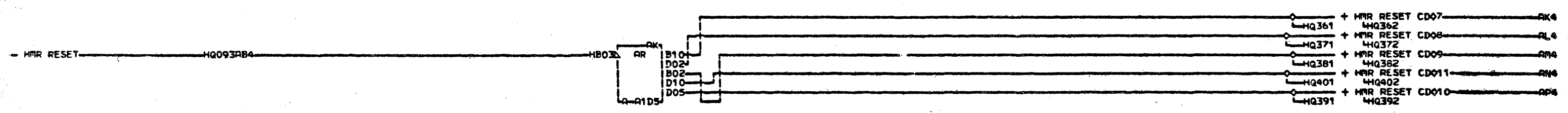
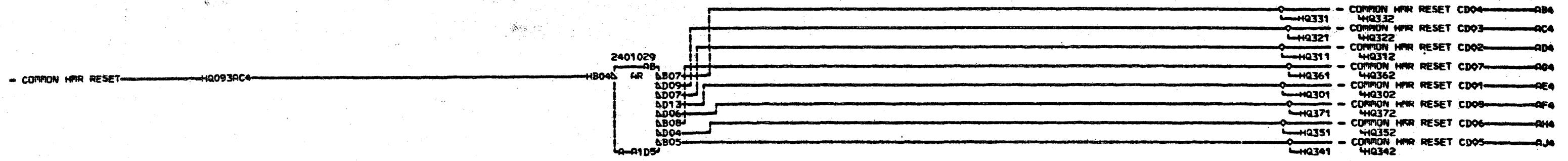
LOC. TYPE  
A-A1C5 P580

BRUSH DETECTOR	
E.C. HISTORY	MACH. 5421-SLD
818809	FRAME C1
818812	IBM CORP. GSD
818828	P.No. 2545768
DATE LAST EC	
06-22-72 818833	

HANG

000





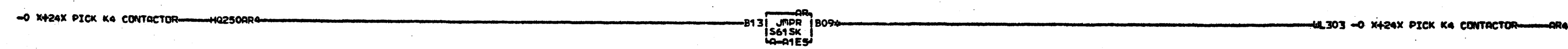
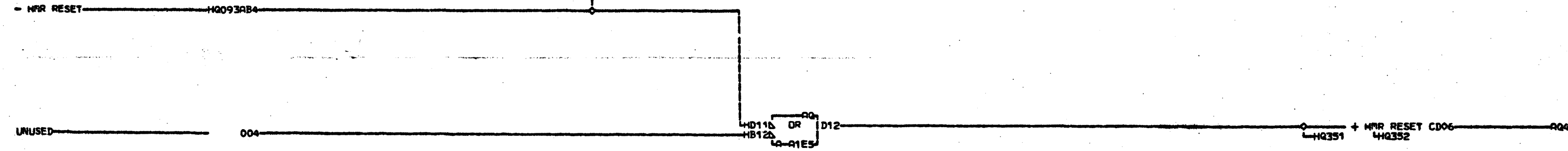
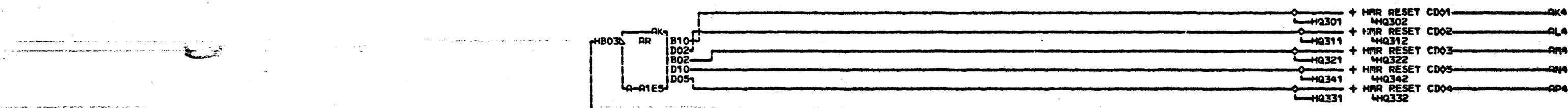
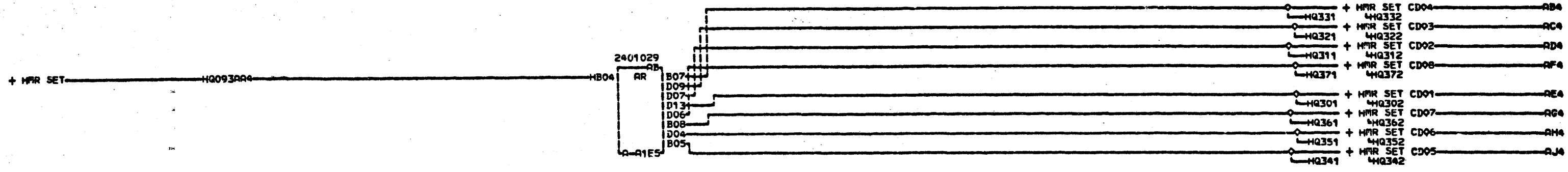
AQ2 A-A1N7D07

LOC. TYPE  
A-A1D5 M010

MMR DRIVER POWERING	
EoC-HISTORY	A-MACH.5421-SLD
FRAME	01
DATE LAST EC	IBM CORP. 65D
02-01-72 618828	P.No 2545769

HQ250  
000

HQ250  
000



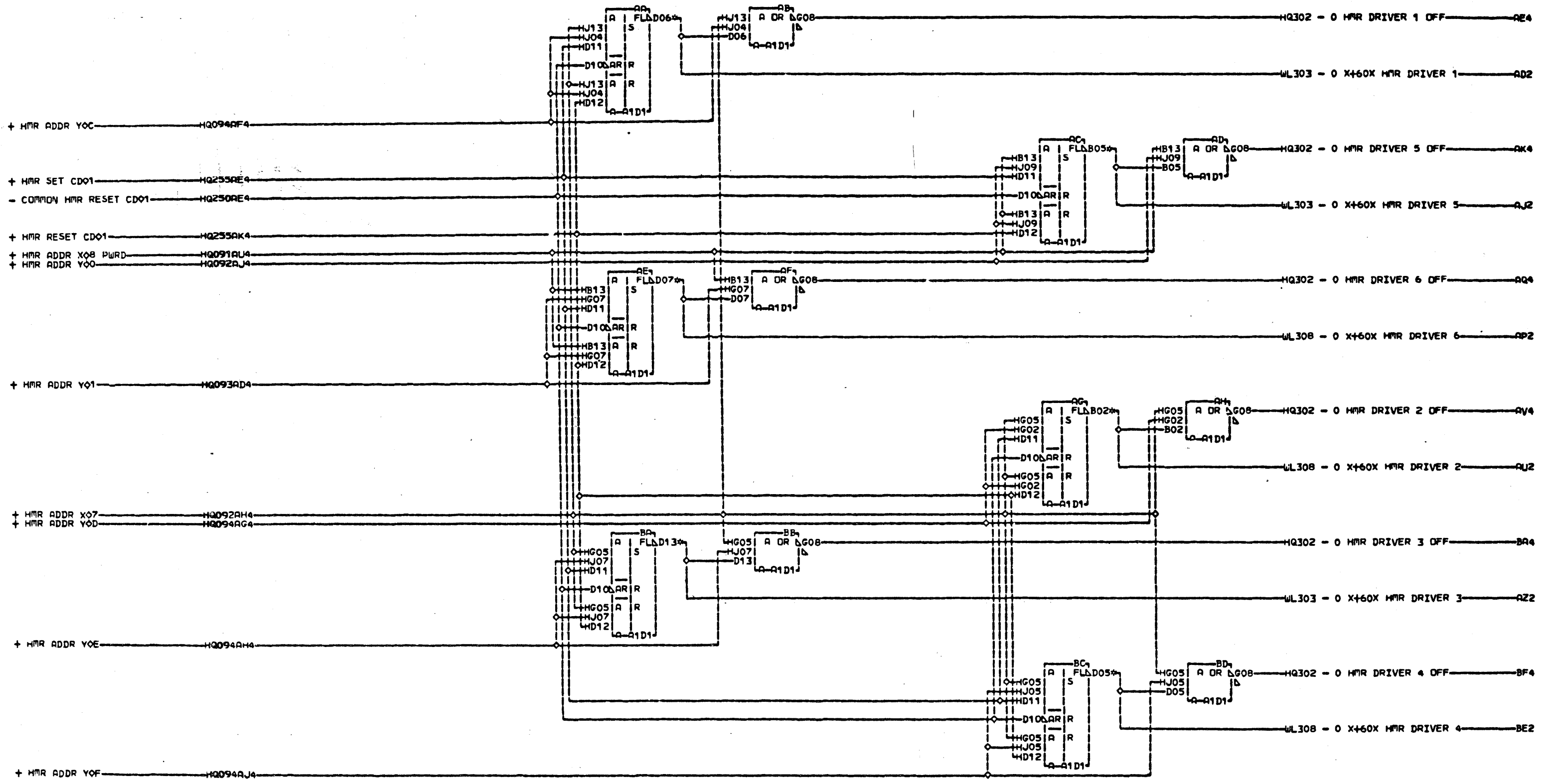
AR2 A-1A6D04

LOC. TYPE  
A-1E5 R010

HMR DRIVER POWERING	
E.C. HISTORY	RACH, S421-SLD
DATE LAST EC	IBR CORP. GSD
02-01-72 818828	FRAME 01
	P.No. 2545770

000

HQ255

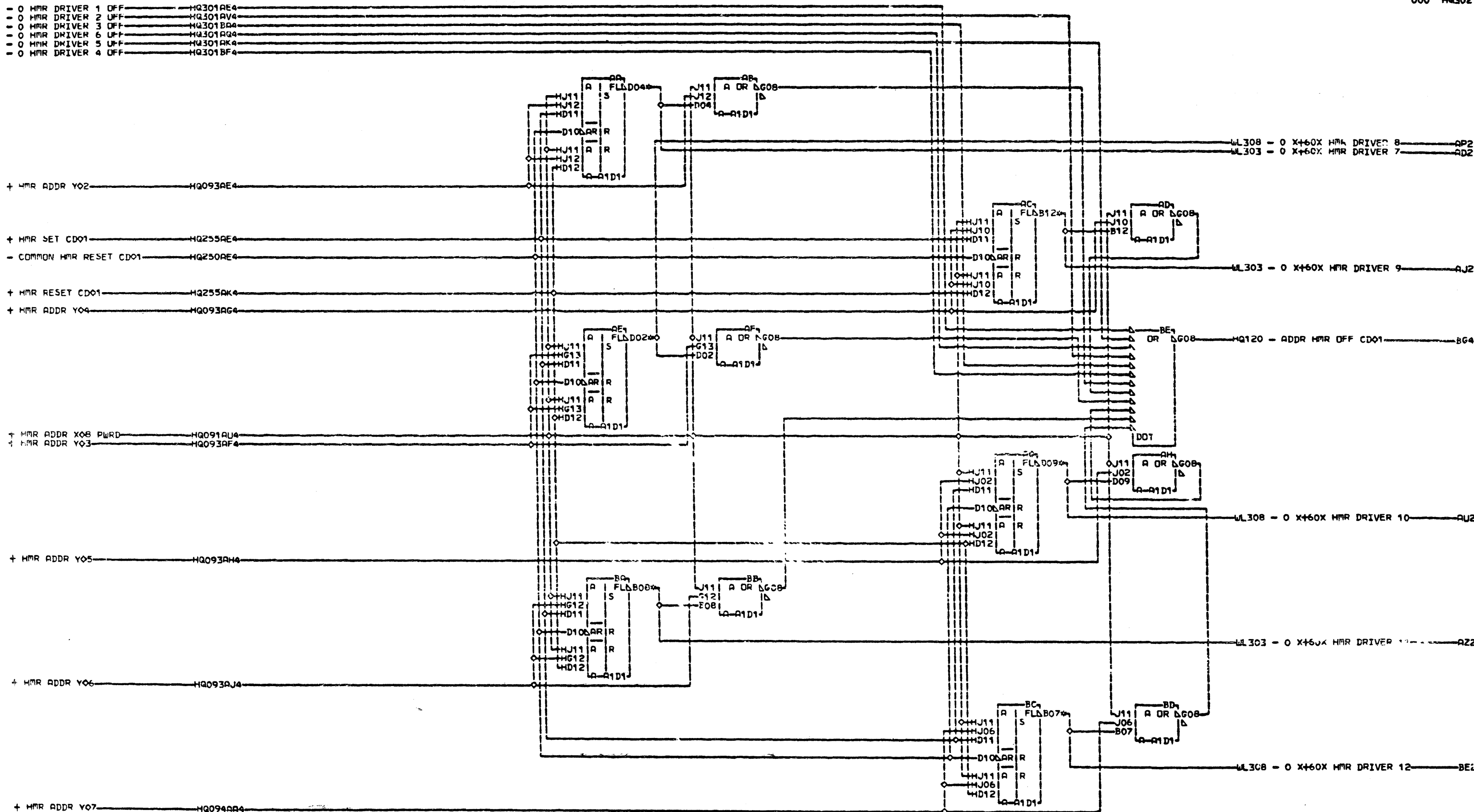


H  
Q  
3  
0  
1

AA2 A-1N1D02  
 AC2 A-1N1D04  
 AE2 A-1N1D04  
 AG2 A-1N1D02  
 BA2 A-1N1B02  
 BC2 A-1N1B02

LOC. TYPE  
 A-A1D1 0720

HMR DRIVERS 1-12		M Q 3 0 1
E.C. HISTORY		
DATE	LAST EC	IBM CORP. GSD
02-01-72	618828	P.No. 2545771



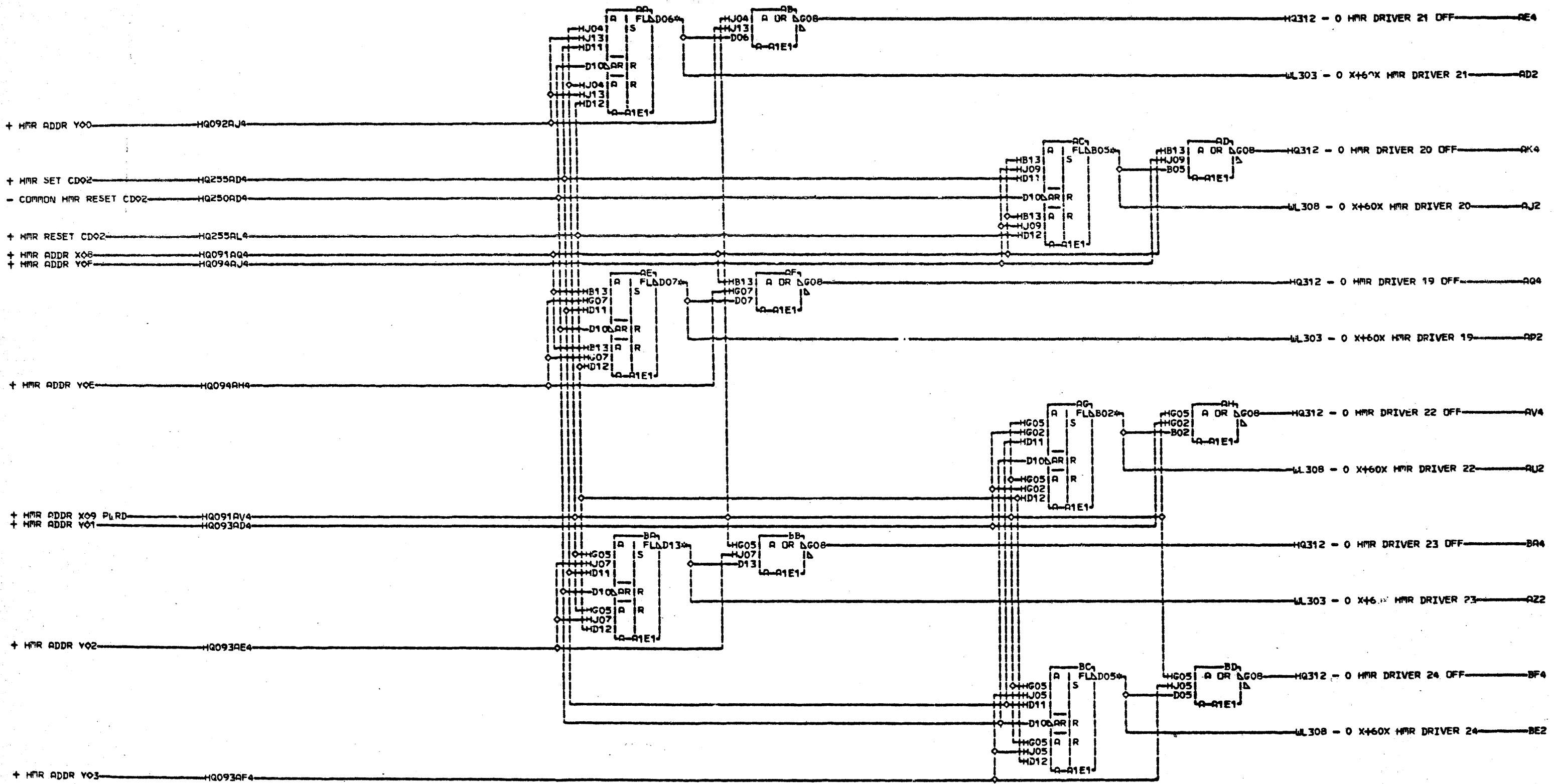
I  
 1  
 2  
 3  
 4  
 5  
 6  
 7  
 8  
 9  
 0  
 000

AA2 P 11N1B03  
 AC2 P 11N1D05  
 AE2 P 11N1B03  
 AG2 P 11N1D05  
 BA2 P 11N1B04  
 BC2 P 11N1B04

LOC. TYPE  
 A-A1D1 0720

HMR DRIVERS 1-12	
E.C. HISTORY	MACH. 5421-SLD
DATE LAST EC	FRAME 01
02-01-72 818828	IBM CORP. GSD
	PoN. 2545772

HQ  
 3  
 0  
 2  
 000



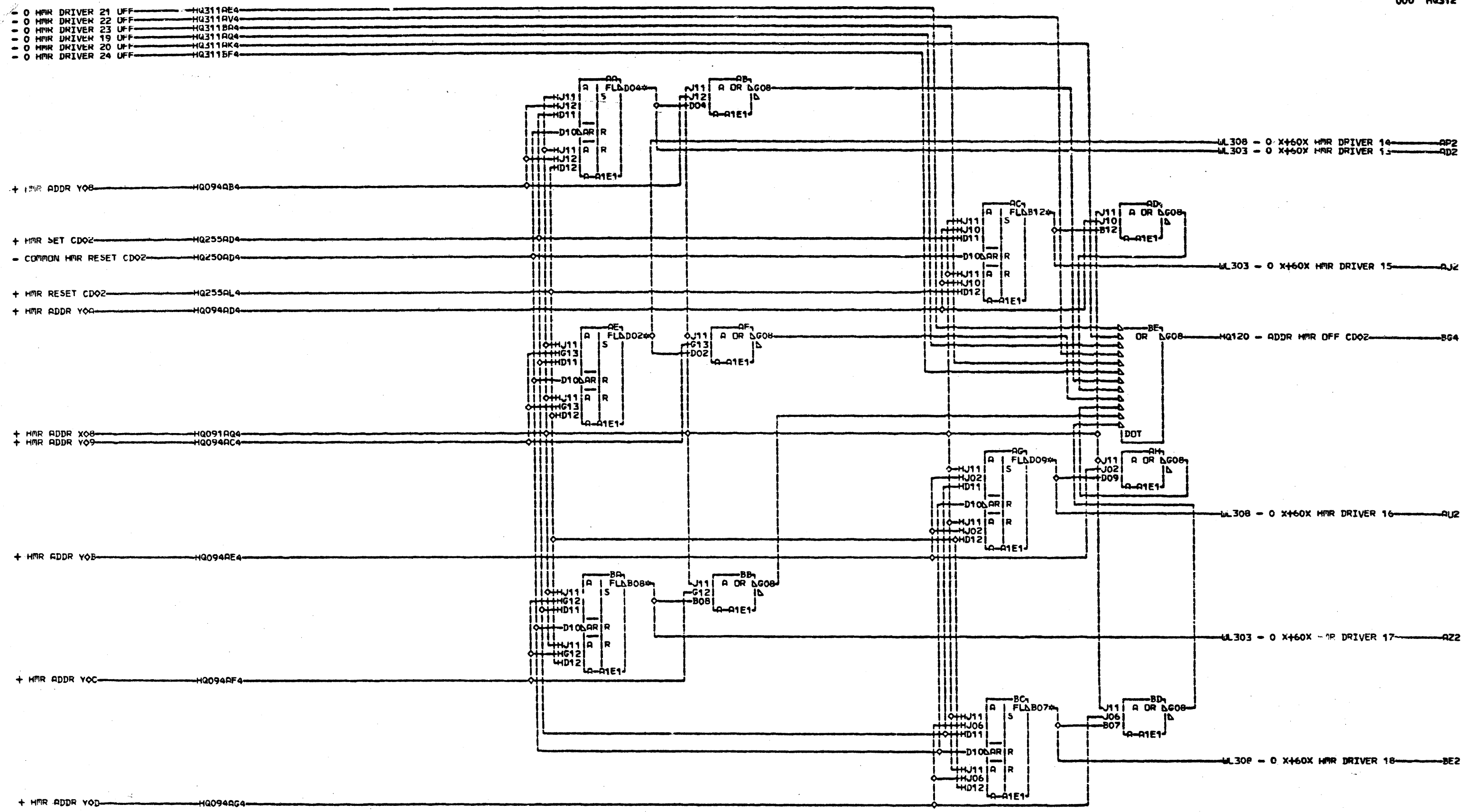
AR2 A-A1N1D09  
 AC2 A-A1M1B07  
 AE2 A-A1M1B07  
 AG2 A-A1M1D09  
 BA2 A-A1M1B08  
 BC2 A-A1M1B08

LOC. TYPE  
 A-A1E1 0720

MMR DRIVERS 13-24	
E.C. HISTORY	A-MACH. 5421-SLD
FRAME	01
DATE LAST EC	IBM CORP. GSD
02-01-72 518828	P.No. 2545773

HQ311

HQ311



- 0 HMR DRIVER 21 OFF — HQ311AE4  
 - 0 HMR DRIVER 22 OFF — HQ311AV4  
 - 0 HMR DRIVER 23 OFF — HQ311BA4  
 - 0 HMR DRIVER 19 OFF — HQ311AQ4  
 - 0 HMR DRIVER 20 OFF — HQ311AK4  
 - 0 HMR DRIVER 24 OFF — HQ311BF4  
  
 + HMR ADDR Y08 — HQ094QB4  
 + HMR SET CD02 — HQ255AD4  
 - COMMON HMR RESET CD02 — HQ250AD4  
 + HMR RESET CD02 — HQ255AL4  
 + HMR ADDR Y0A — HQ094AD4  
  
 + HMR ADDR X08 — HQ091AQ4  
 + HMR ADDR Y09 — HQ094AC4  
  
 + HMR ADDR Y0B — HQ094AE4  
  
 + HMR ADDR Y0C — HQ094AF4  
  
 + HMR ADDR Y0D — HQ094AG4

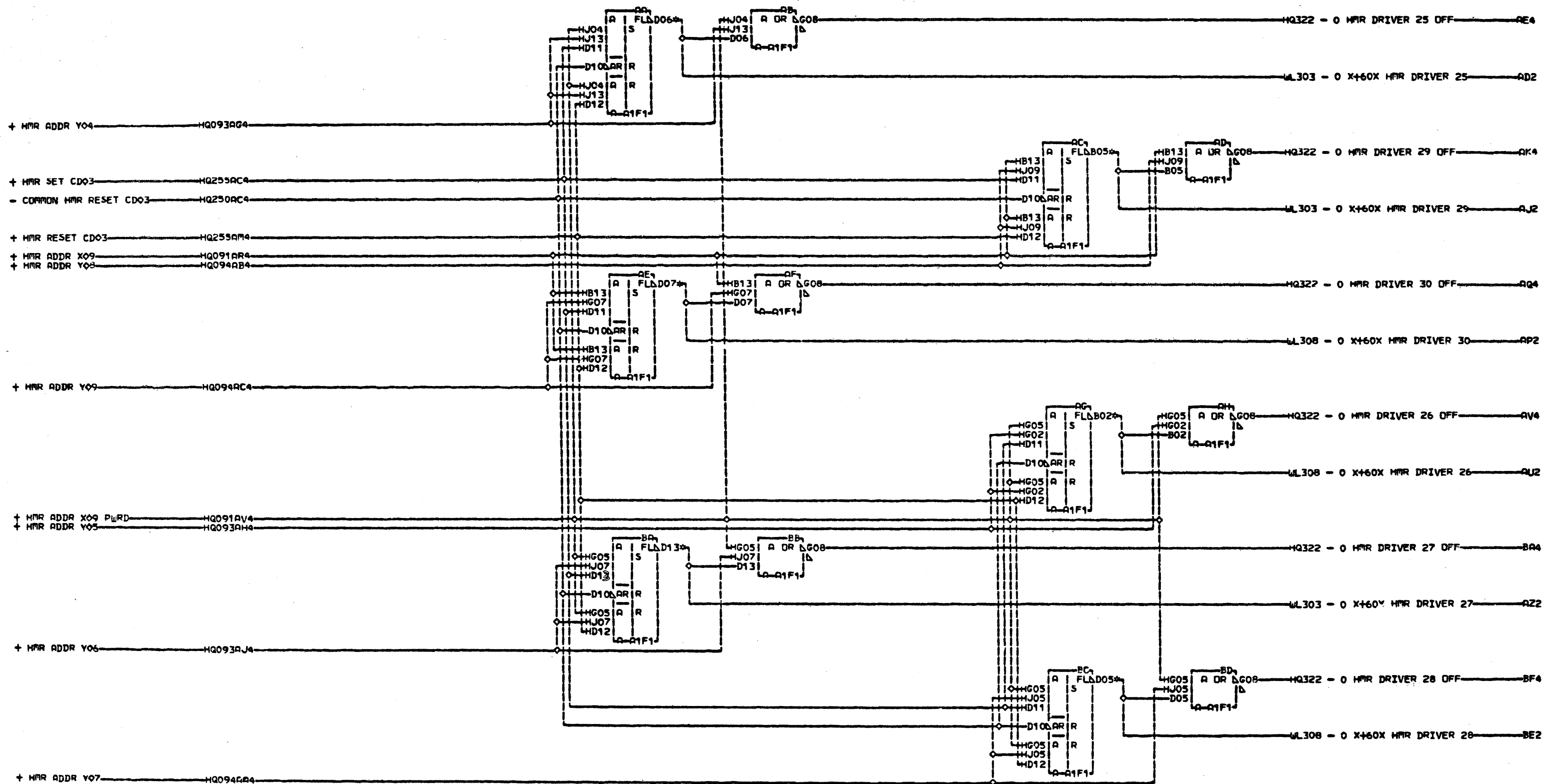
UL308 - 0 X460X HMR DRIVER 14 — AP2  
 UL303 - 0 X460X HMR DRIVER 13 — AD2  
  
 UL303 - 0 X460X HMR DRIVER 15 — AJZ  
  
 HQ120 - ADDR HMR OFF CD02 — BG4  
  
 UL308 - 0 X460X HMR DRIVER 16 — AJZ  
  
 UL303 - 0 X460X HMR DRIVER 17 — AZZ  
  
 UL30E - 0 X460X HMR DRIVER 18 — BE2

AA2 P-D1N1D06  
 AC2 P-D1N1B03  
 AE2 P-D1N1D06  
 AG2 P-D1N1B03  
 BA2 P-D1N1D07  
 BC2 P-D1N1D07

LDC. TYPE  
 A-A1E1 0720

MMR DRIVERS 13-24	
E.C.O.—HISTORY	A-MACH.5421-SLD
	FRAME 01
DATE LAST EC	IBM CORP. GSD
02-01-72 818828	PaNo 2545774

1  
 2  
 3  
 4  
 5  
 6  
 7  
 8  
 9  
 000



000

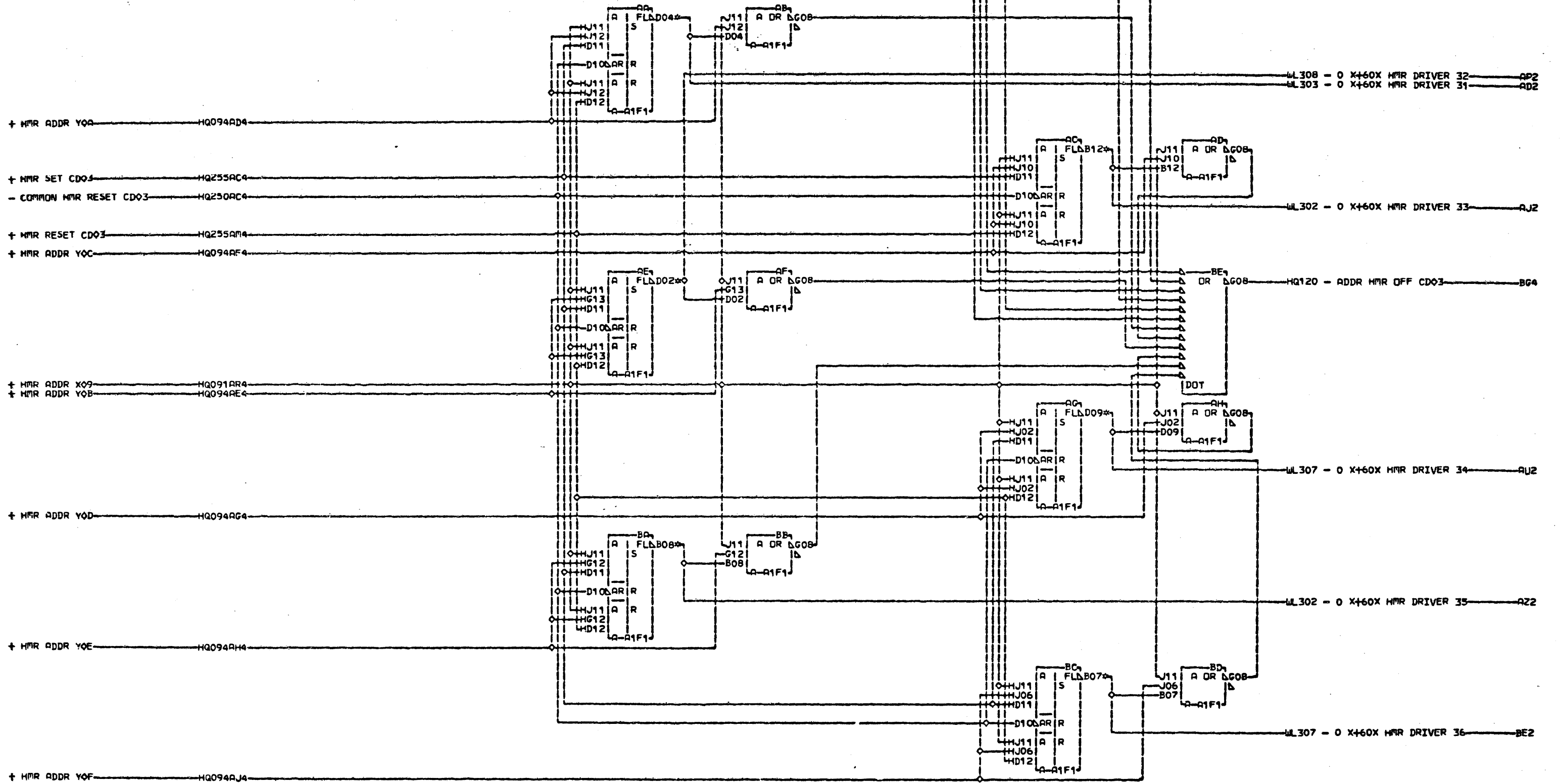
AA2 P 01N1D10  
 AC2 P 01N1D11  
 AE2 P 01N1D11  
 AG2 P 01N1D10  
 BA2 P 01N1B09  
 BC2 P 01N1B09

LDC TYPE  
 A-A1F1 0720

MMR DRIVERS 25-36	
E.C. HISTORY	MACH. 5421-SLD
DATE LAST EC	FRAME 01
02-01-72 818828	IBM CORP. 650
	P.No. 2545775

000

- 0 MMR DRIVER 25 OFF HQ321AE4
- 0 MMR DRIVER 26 OFF HQ321AV4
- 0 MMR DRIVER 27 OFF HQ321BA4
- 0 MMR DRIVER 30 OFF HQ321AQ4
- 0 MMR DRIVER 29 OFF HQ321AK4
- 0 MMR DRIVER 28 OFF HQ321BF4

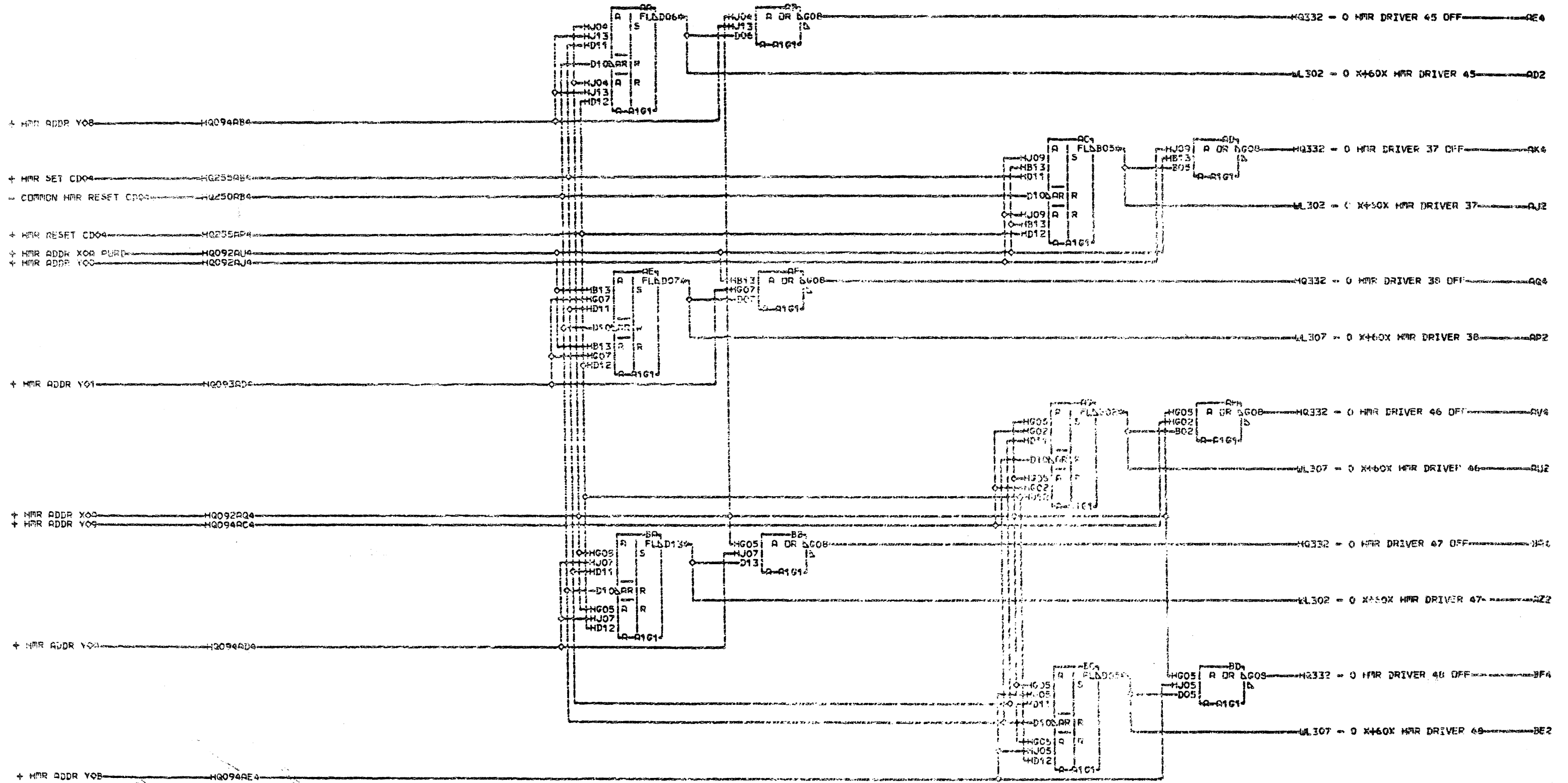


- AA2 A-A1N1B10
- AC2 A-A1L1D02
- AE2 A-A1F1B10
- AG2 A-A1N2D02
- BA2 A-A1L1B02
- BC2 A-A1N2B02

LOC. TYPE  
A-A1F1 0720

MMR DRIVERS 25-36	
E.C. HISTORY	A-MACH. 5421-SLD
DATE LAST EC	FRAME 01
02-01-72 618828	IBM CORP. GSD
	PeNo 2545776

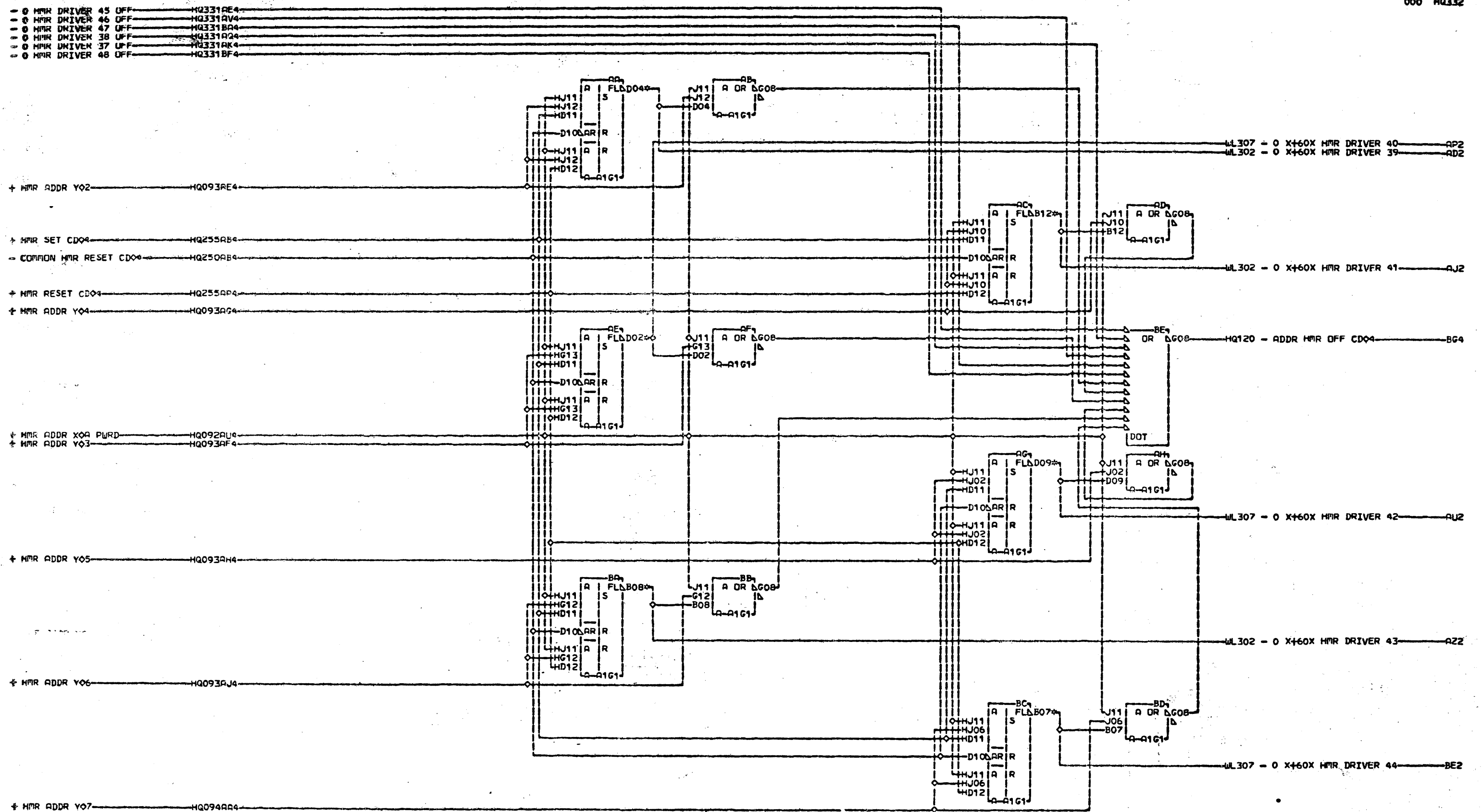




- AA2 P-01L1D06
- AC2 P-01L1D04
- AE2 P-01N2D04
- AG2 P-01N2D06
- BA2 P-01L1B05
- BC2 P-01N2B05

LDC TYPE  
A-0101 0720

HMR DRIVERS 37-48	
E.C. HISTORY	PACK 5421-SLD
	FRAME 01
	IBR CORP. 650
DATE LAST EC	P.C.N. 2545777
02-01-72 618528	

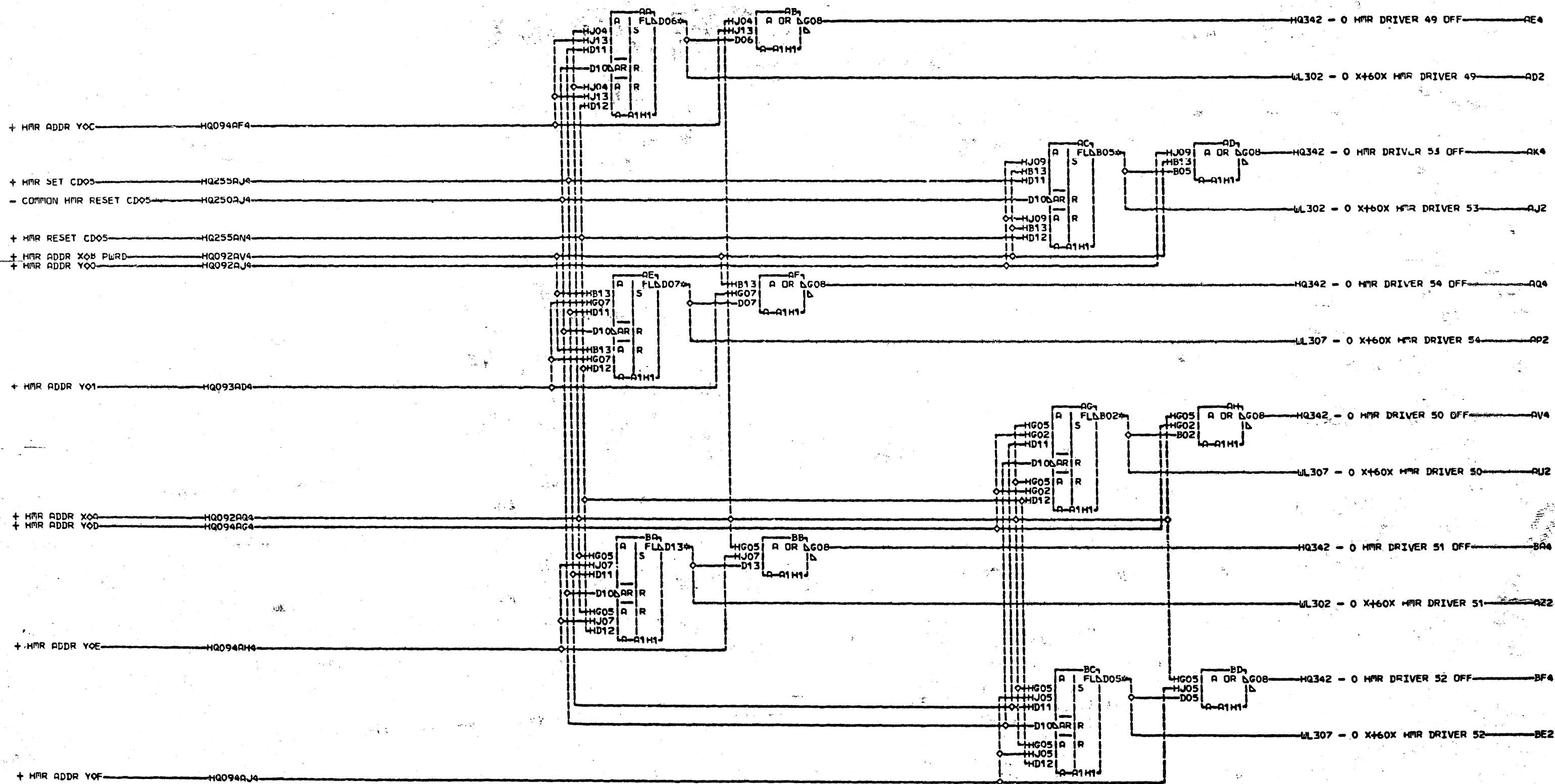


AA2 A-A1L1B03  
 AC2 A-A1L1D05  
 AE2 A-A1N2B03  
 AG2 A-A1N2D05  
 BA2 A-A1L1B04  
 BC2 A-A1N2B04

LOC. TYPE  
 A-A1G1 0720

MMR DRIVERS 37-48	
E-C-HISTORY	A-MACH-5421-SLD
FRAME	01
DATE LAST EC	IBM CORP. GSD
02-01-72 818828	PoNo 2545778

H  
3  
3  
2



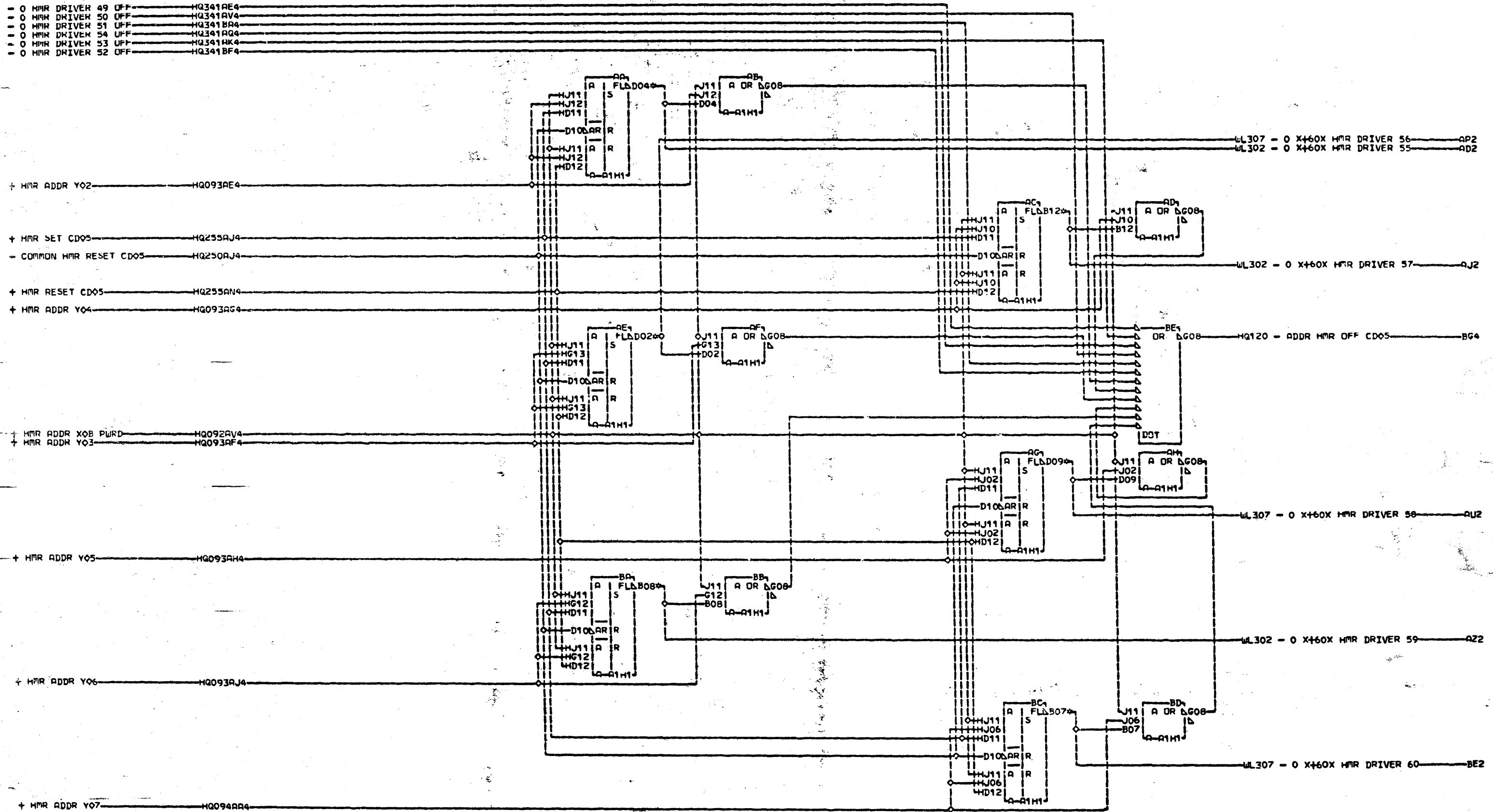
H  
Q  
3  
4  
1

AA2 P 11L1D07  
 AC2 P 11L1D09  
 AE2 P 11N2D09  
 AG2 P 11N2D07  
 BA2 P 11L1B07  
 BC2 P 11N2B07

LOC. TYPE  
A-A1H1 0720

MMR DRIVER 49-60	
E.C. HISTORY	A-MACH. 5421-SLD
DATE LAST EC	FRAME 01
02-01-72 818828	IBM CORP. GSD
	P.No. 2545779

H  
Q  
3  
4  
1

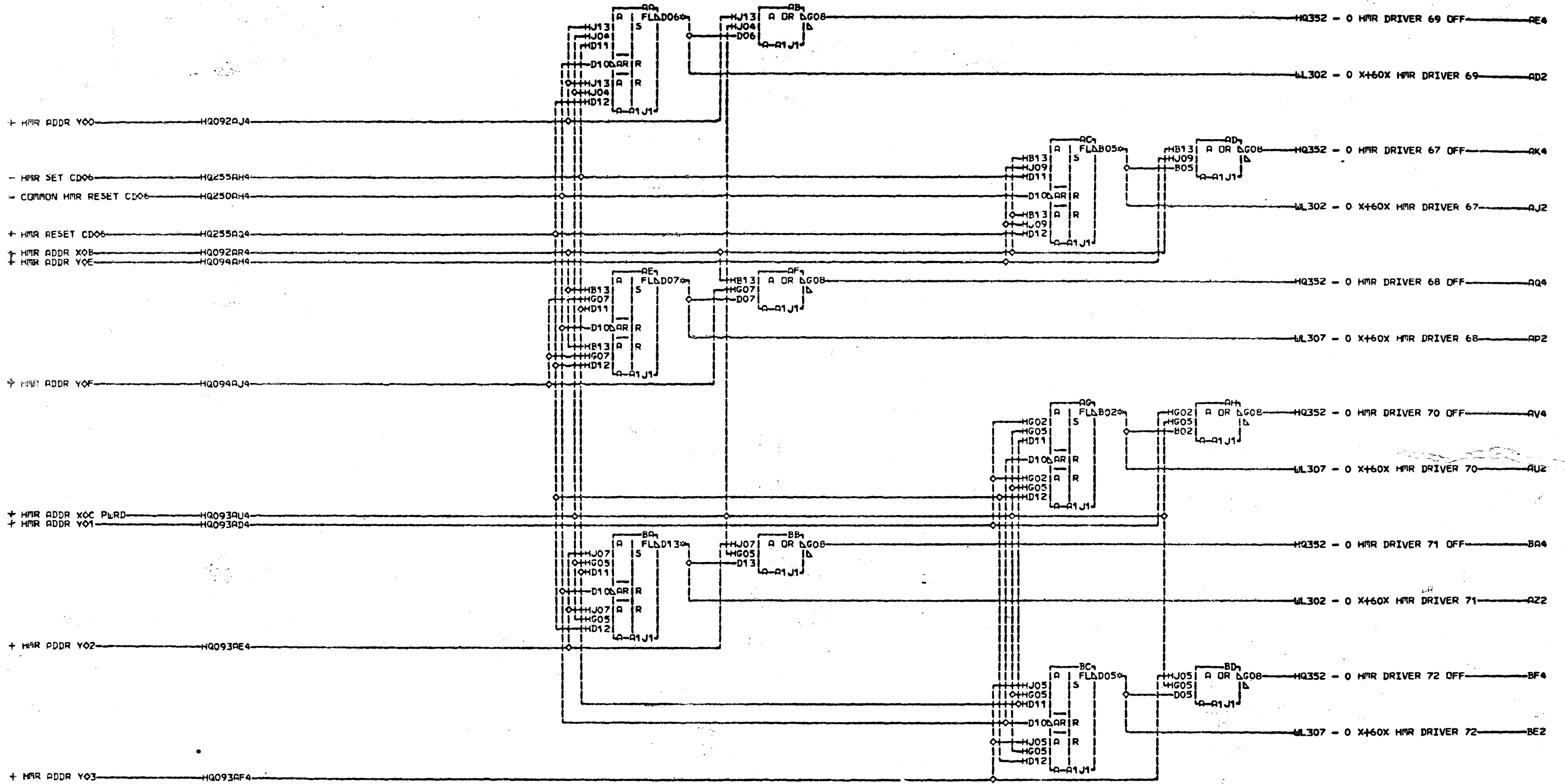


- H
  - Q
  - 3
  - 4
  - 2
  - 000
- AA2 P-D1L1B08
  - AC2 P-D1L1D10
  - AE2 P-D1N2B08
  - AG2 P-D1N2D10
  - BA2 P-D1L1B09
  - BC2 P-D1N2B09

LOC. TYPE  
A-A1H1 0720

HMR DRIVER 49-60		H Q 3 4 2
E.C. HISTORY	MACH. 5421-SLD	
DATE	LAST EC	IBN CORP. OSD
02-01-72	R18828	PoN. 2545780

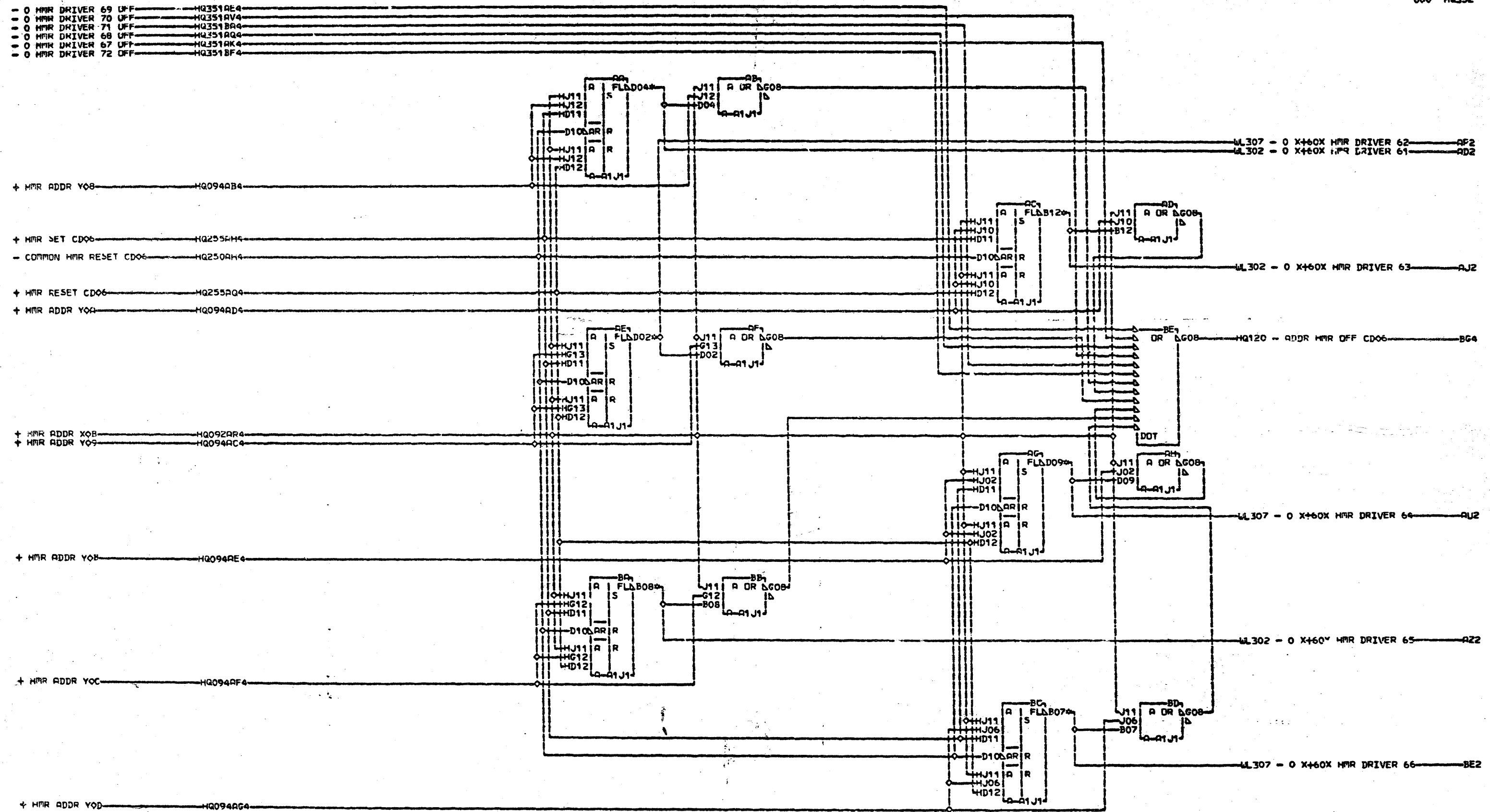
000



AA2 A-D1M2D04  
 AC2 A-D1M2B02  
 AE2 A-D1L2B02  
 AG2 A-D1L2D04  
 BA2 A-D1M2B03  
 BC2 A-D1L2B03

LOC. TYPE  
 A-A1J1 0720

HMR DRIVERS 61-72	
E.C. HISTORY	MACH. 5421-SLD
FRAME	01
IBM CORP. GSD	
DATE LAST EC	02-01-72 618628
P.N.	2545781



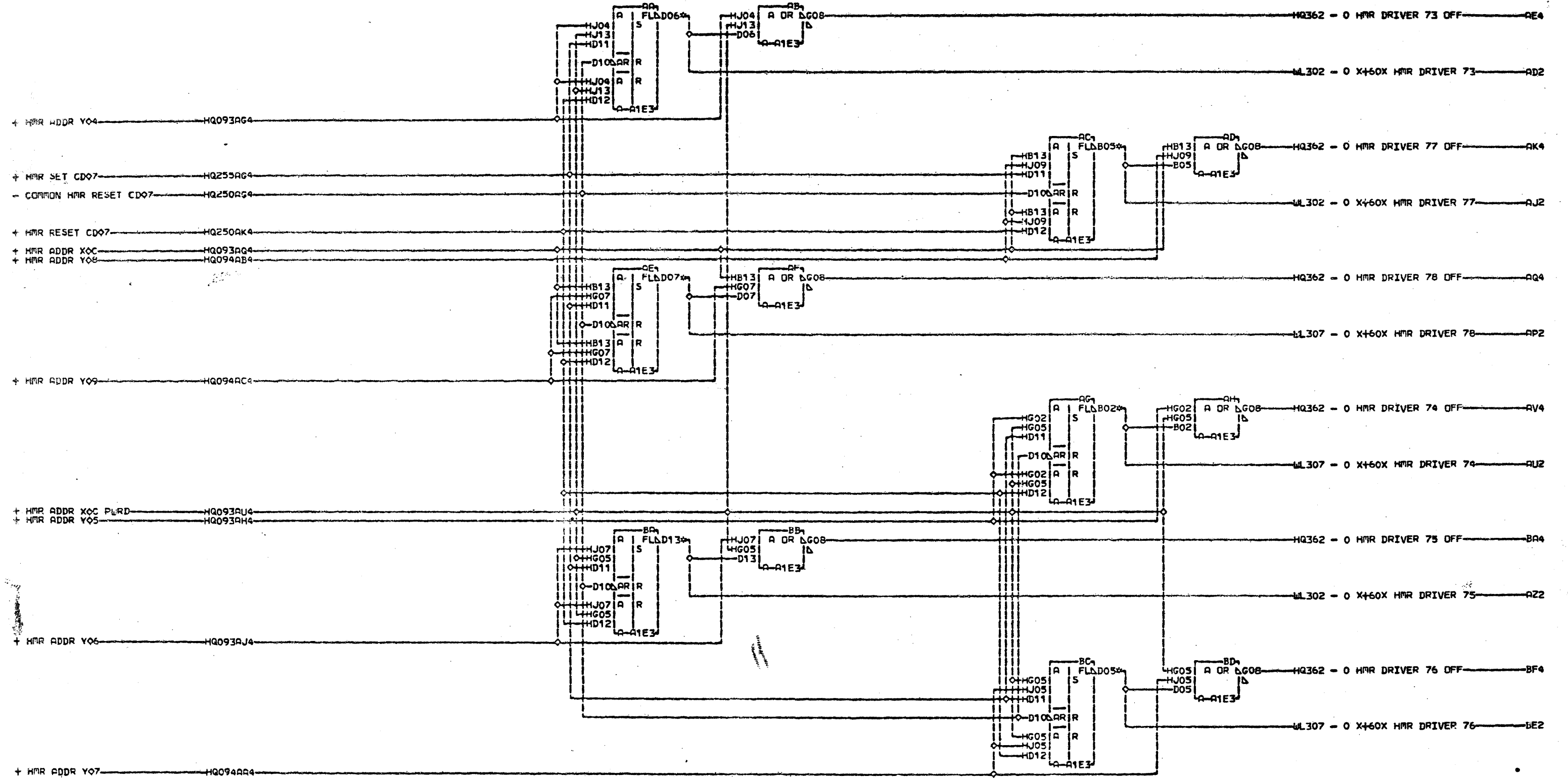
H  
D  
L  
S  
K  
000

AR2 R A1L1D11  
AC2 R A1L1B10  
AE2 R A1N2D11  
AG2 R A1N2B10  
BA2 R A1M2D02  
BC2 R A1L2D02

LOC. TYPE  
A-A1J1 0720

MMR DRIVERS 61-72	
E.C. HISTORY	RACH 5421-SLD
DATE LAST EC	IBN CORP. GSD
02-01-72 818828	P.N. 2545782

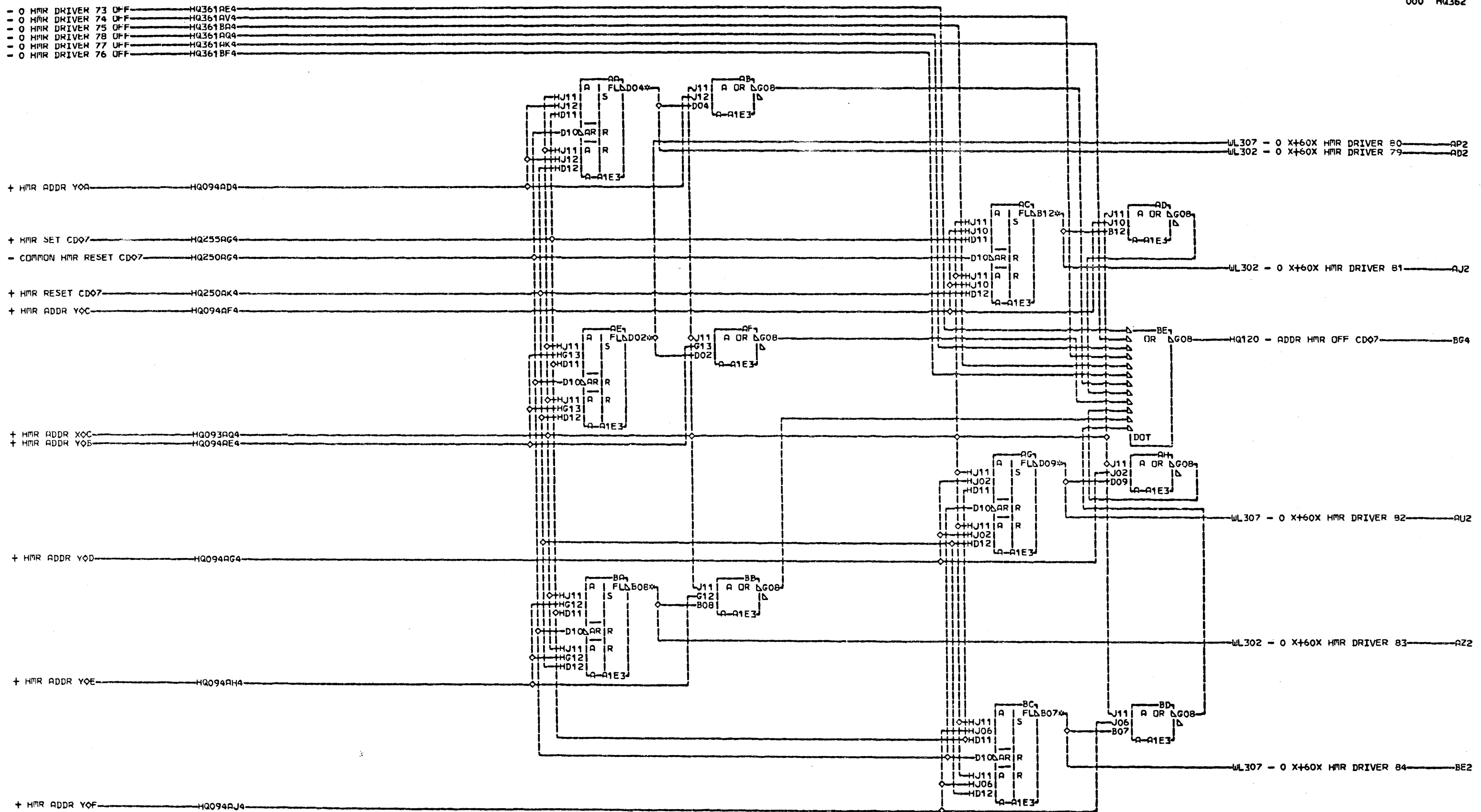
H  
Q  
3  
5  
2  
000



AA2 A-A1M2D05  
 AC2 A-A1M2D06  
 AE2 A-A1L2D06  
 AG2 A-A1L2D05  
 BA2 A-A1M2B04  
 BC2 A-A1L2B04

LOC. TYPE  
 A-A1E3 0720

HMR DRIVERS 73-84		H
E.C. HISTORY	A MACH. 5421-SLD	Q
FRAME	01	3
IBM CORP. GSD		6
DATE LAST EC		1
02-01-72 818828	P.N. 2545783	000



H  
Q  
3  
6  
2  
000

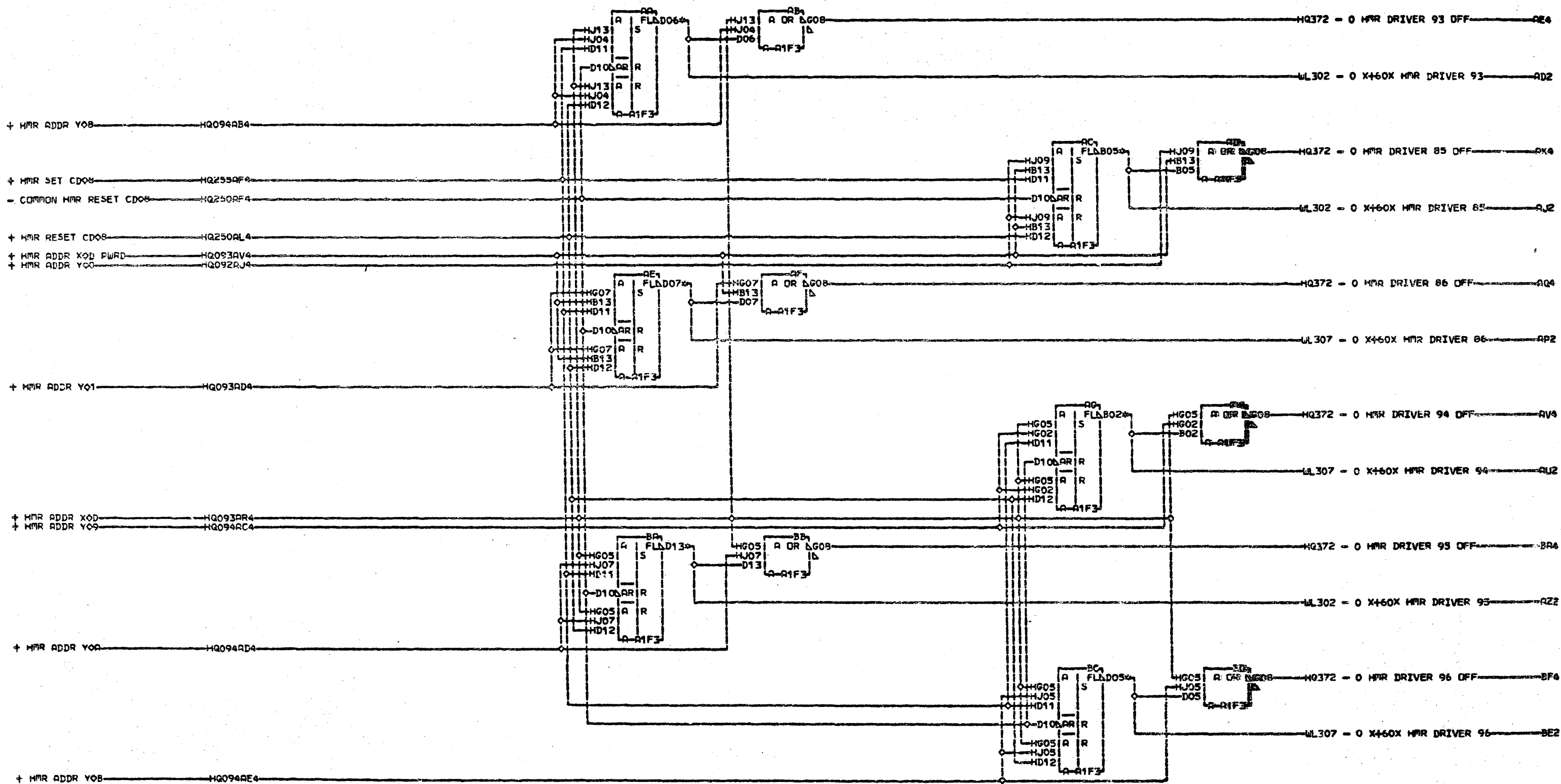
AA2 A-A1M2B05  
AC2 A-A1M2D07  
AE2 A-A1L2B05  
AG2 A-A1L2D07  
BA2 A-A1M2B07  
BC2 A-A1L2B07

LOC. TYPE  
A-A1E3 0720

HMR DRIVER 73-84	
E.C. HISTORY	A-MACH. 5421-SLD
FRATE	01
DATE	LAST EC
02-01-72	81882B
IBM CORP.	GSD
Part No	2545784

H  
Q  
3  
6  
2  
000





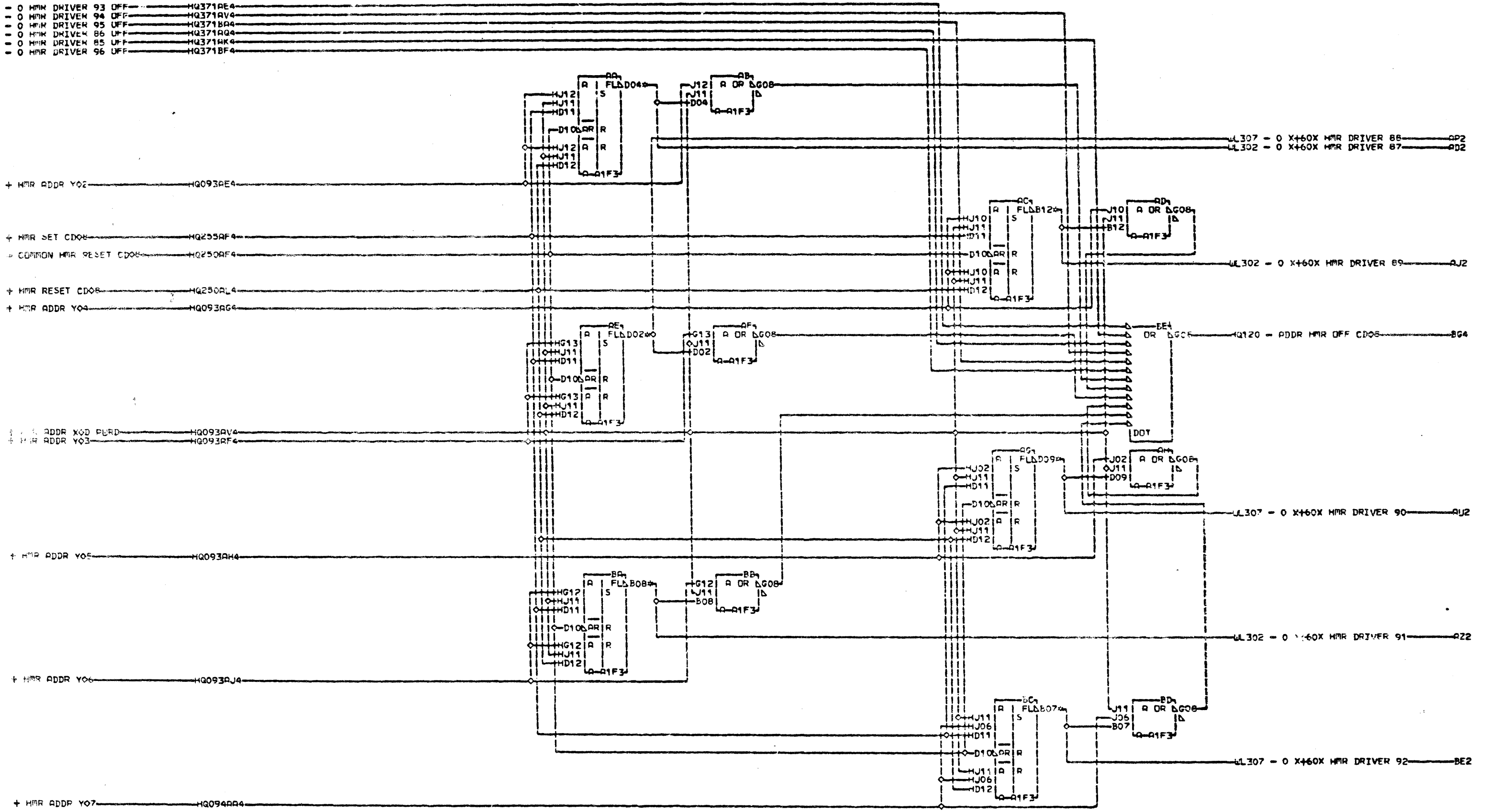
AA2 A-21R2D11  
 AC2 A-21R2D09  
 AE2 A-21L2B09  
 AG2 A-21L2D11  
 BA2 A-21R2B10  
 BC2 A-21L2B10

LDC TYPE  
 A-1F3 0720

MMR DRIVERS 85-96	
E-C-HISTORY	A-1F3-5421-3LD
FRAME	01
DATE LAST EC	IBM CORP. GSD
02-01-72 818828	PeNc 2545785

7  
1

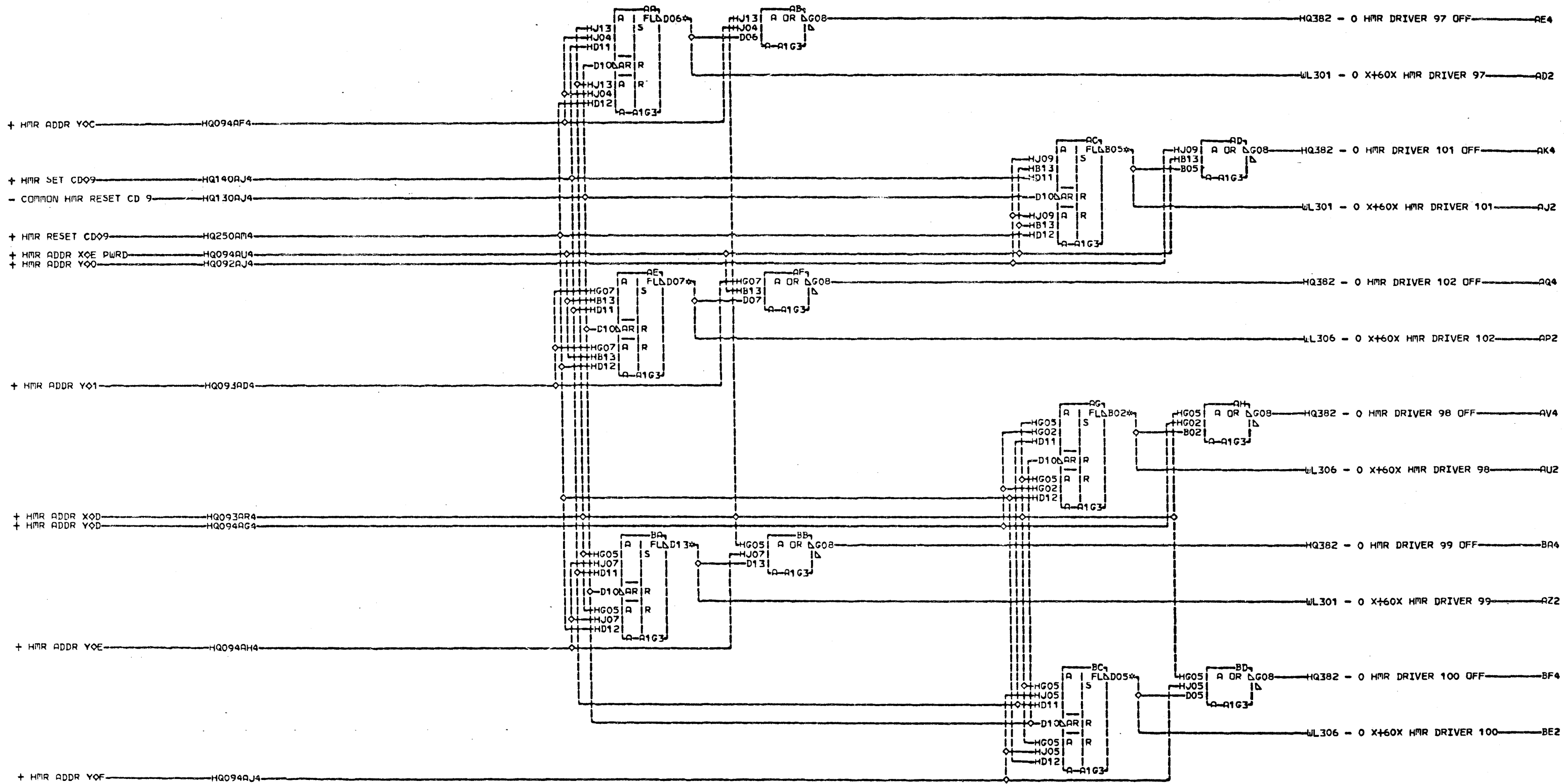
H  
G  
3  
7  
1



AA2 A-1M2B08  
 AC2 A-1M2D10  
 AE2 A-1L2B08  
 AG2 A-1L2D10  
 BA2 A-1M2B09  
 BC2 A-1L2B09

LOC. TYPE  
 A-1F3 0720

MMR DRIVERS 85-96	
E.C. HISTORY	PACH. 5421-5LD
DATE LAST EC	FRAME 01
02-01-72 818828	IBM CORP. GSD
	PoN. 2543786



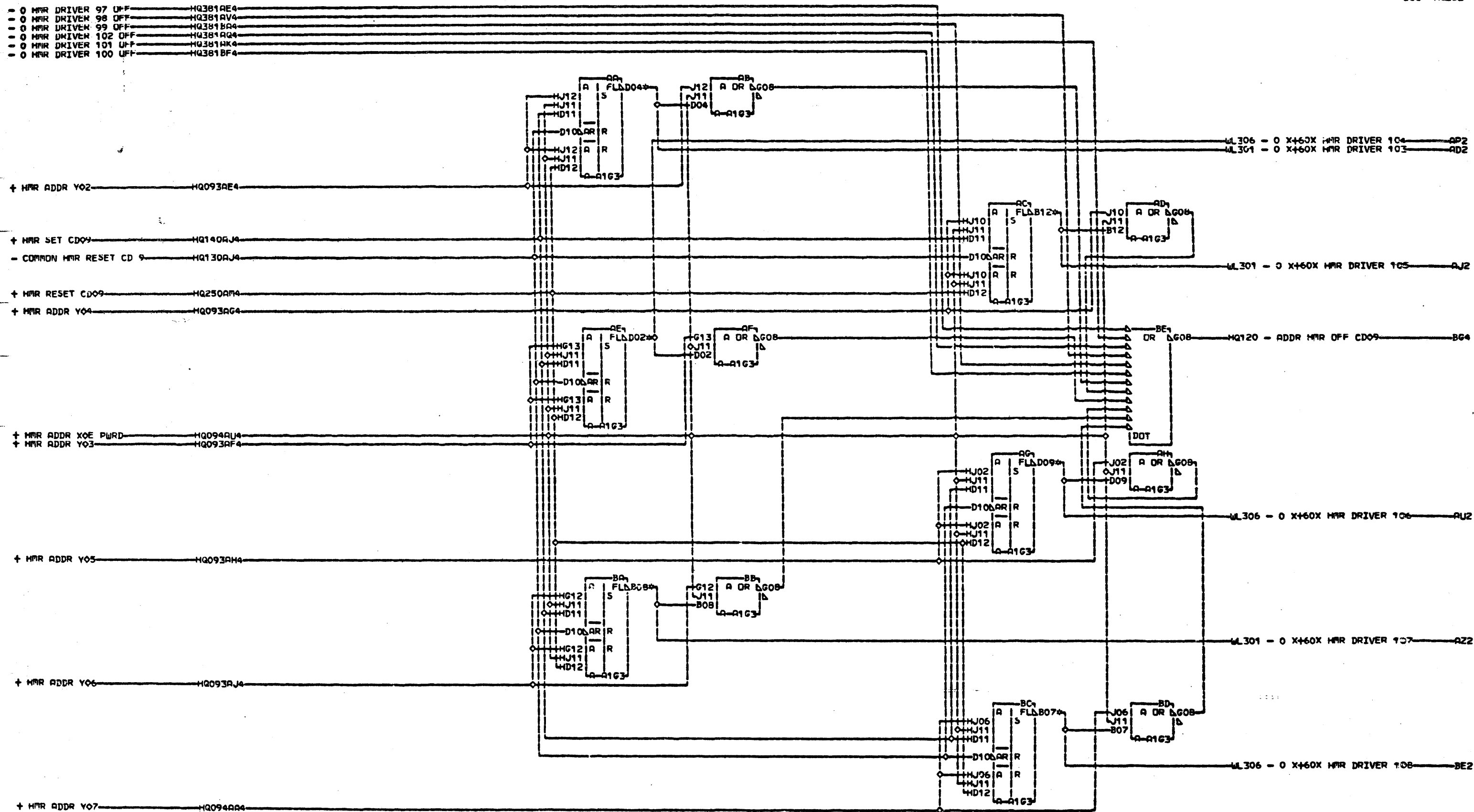
AA2 A-A1N3D02  
 AC2 A-A1N3D04  
 AE2 A-A1M3D04  
 AG2 A-A1M3D02  
 BA2 A-A1N3B02  
 BC2 A-A1M3B02

LOC. TYPE  
 A-A1G3 0720

HMR DRIVERS 97-108	
E.C. HISTORY	MACH. 5421-SLD
FRAME	01
IBM CORP. GSD	
DATE LAST EC	02-01-72 818628
PN#	2545787

000

000



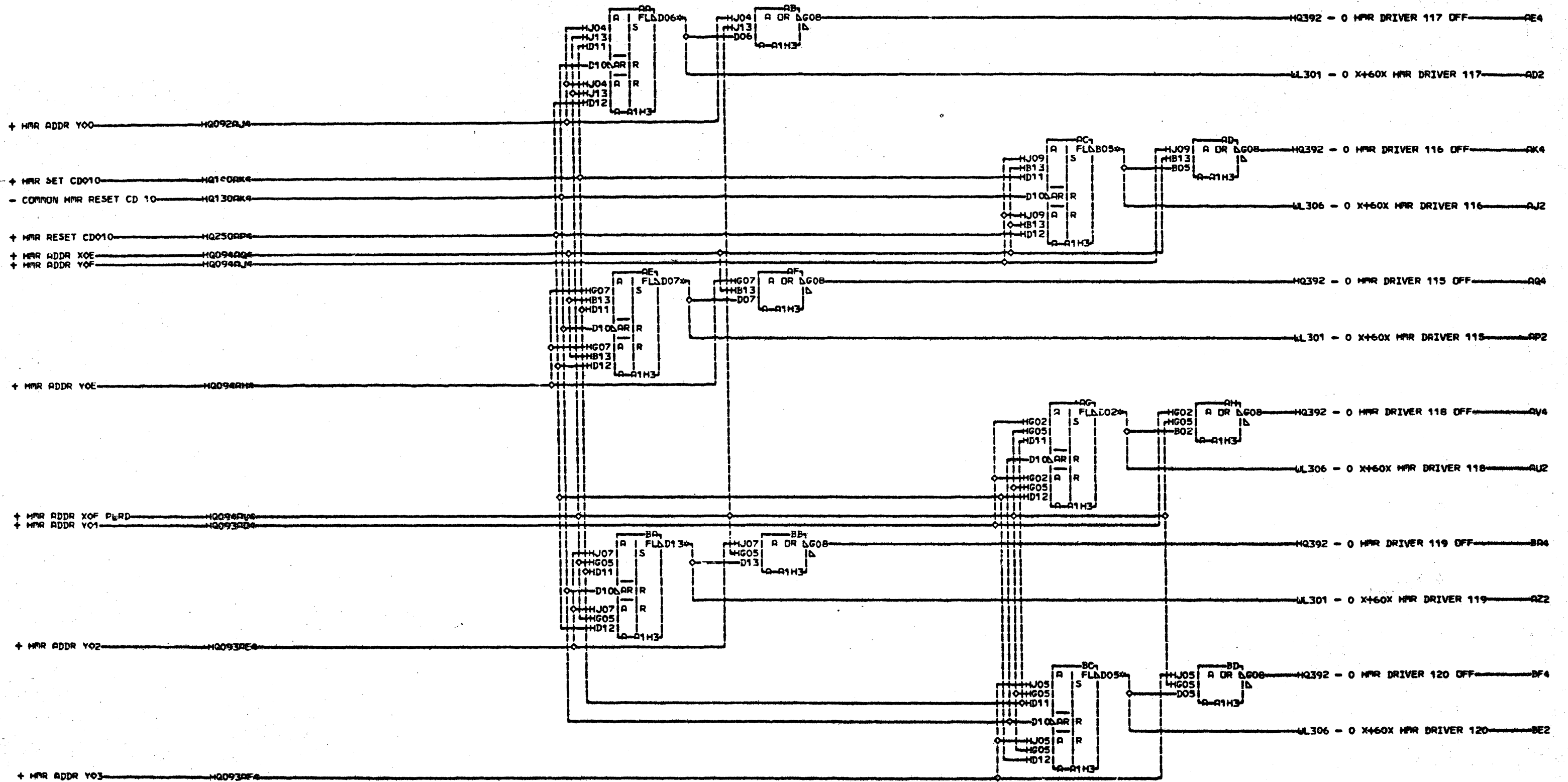
H  
Q  
3  
8  
2  
000

AA2 A-01N3B03  
AC2 A-01N3D05  
AE2 A-01N3B03  
AG2 A-01N3D05  
BA2 A-01N3B04  
BC2 A-01N3B04

LOC. TYPE  
A-0163 0720

MMR DRIVERS 97-108	
E-C-HISTORY	A-PACH-5421-SLD
DATE	LAST EC
02-01-72	818828
FRAME	01
IBM CORP. GSD	
PaNo	2545788

H  
Q  
3  
8  
2  
000



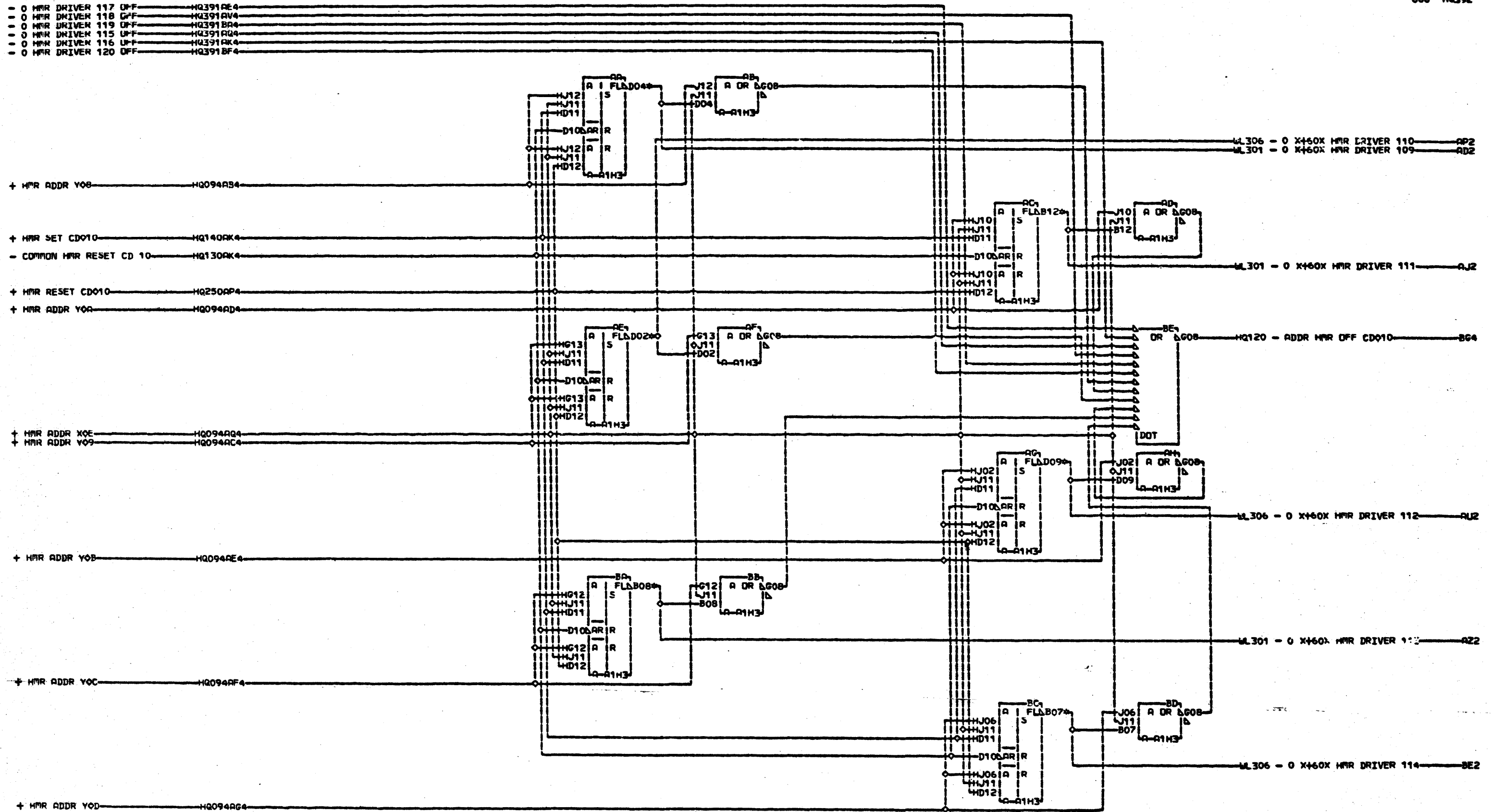
AR2 D-A1N3D09  
 AR3 D-A1N3B07  
 AR4 D-A1N3B07  
 AR5 D-A1N3D09  
 BR2 D-A1N3B08  
 BC2 D-A1N3B08

LOC. TYPE  
A-A1H3 0720

MMR DRIVERS 109-120	
E.C. HISTORY	A-MACH 5421-SLD
FRAME	01
IBR CORP. 6SD	
DATE LAST EC	02-01-72 618828
Part No.	2545789

H  
 Q  
 3  
 9  
 1  
 000

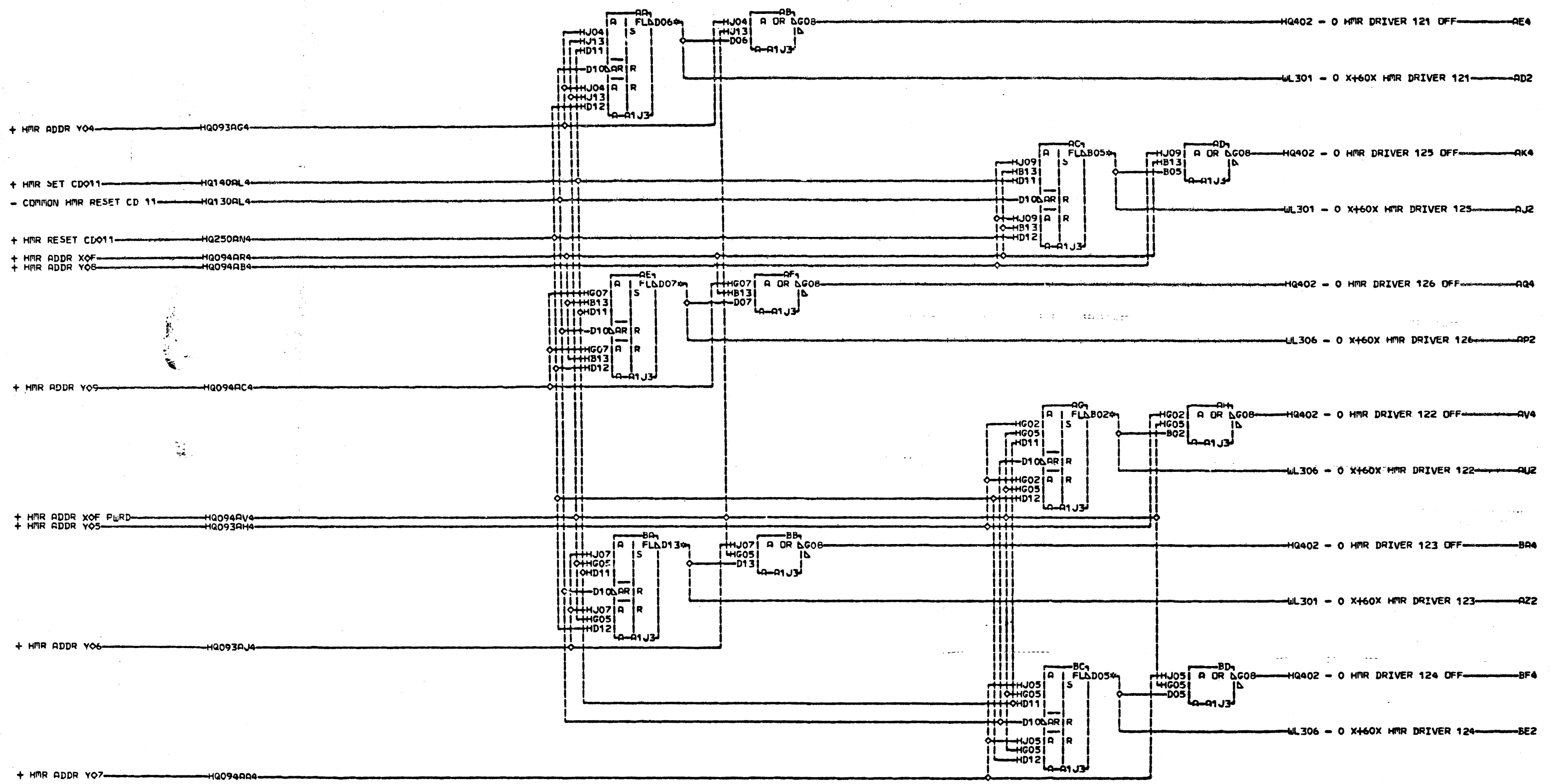
H  
 Q  
 3  
 9  
 1  
 000



AA2 A-A1N3D06  
 AC2 A-A1N3B05  
 AE2 A-A1N3D06  
 AG2 A-A1N3B05  
 BA2 A-A1N3D07  
 BC2 A-A1N3D07

LOC. TYPE  
 A-A1H3 0720

MMR DRIVERS 109-120  
 E.C. HISTORY A-MACH.5421-SLD  
 FRAME 01  
 IBM CORP. 65D  
 DATE LAST EC 02-01-72 816828  
 P.O. No. 2545790

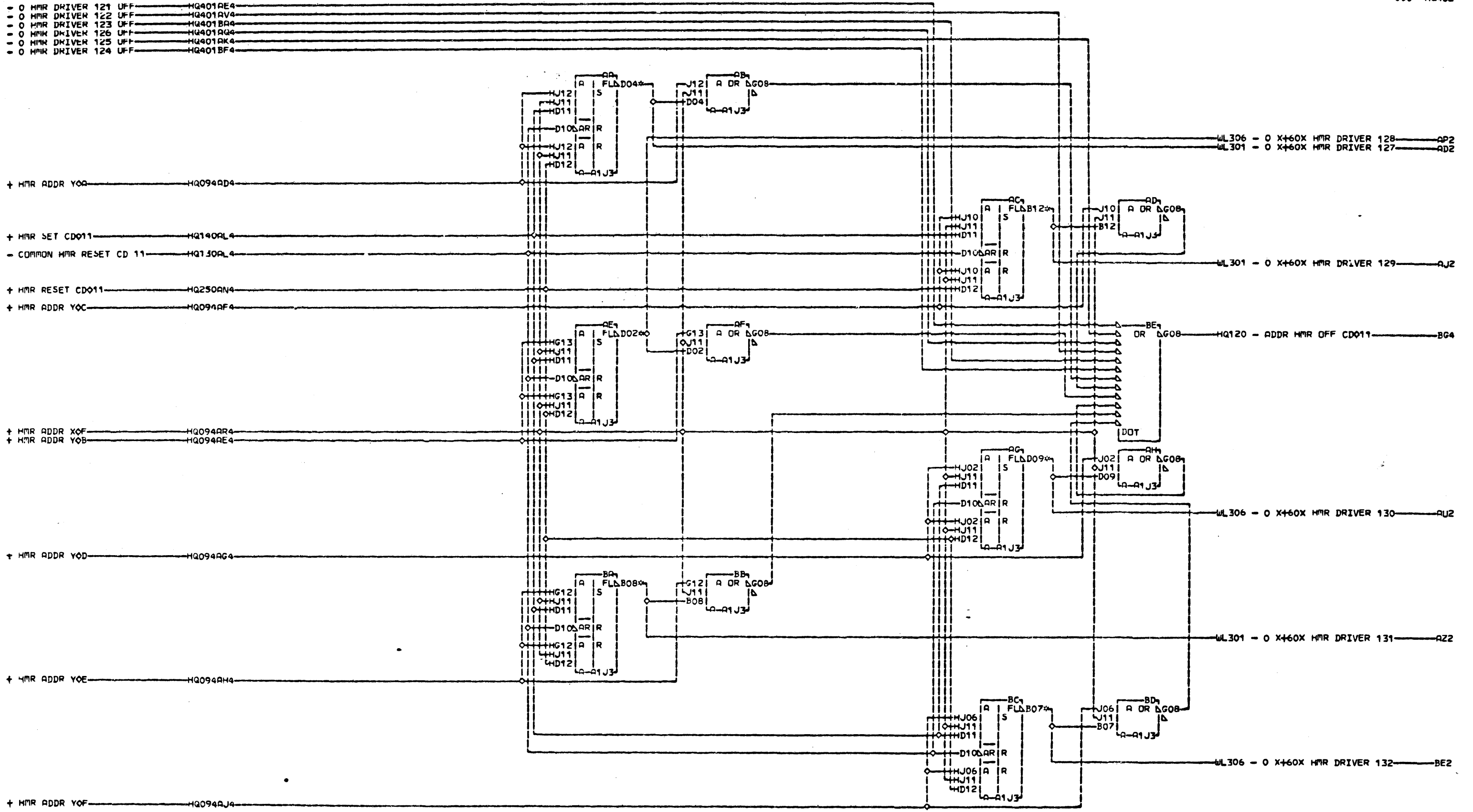


H  
0  
1  
000

- AA2 P-11N3D10
- AC2 P-11N3D11
- AE2 P-11N3D11
- AG2 P-11N3D10
- BA2 P-11N3B09
- BC2 P-11N3B09

LOC. TYPE  
A-A1J3 0720

HMR DRIVERS 121-132		H Q 4 0 1
-EoC-HISTORY- A MACH. 5421-SLD		
FRAME 01		000
IBM CORP. GSD		
DATE LAST EC	P.No 2545791	
02-01-72 818829		



AA2 P-D1N3B10  
 AC2 P-D1L3D02  
 AE2 P-D1M3B10  
 AG2 P-D1N4D02  
 BA2 P-D1L3B02  
 BC2 P-D1M4B02

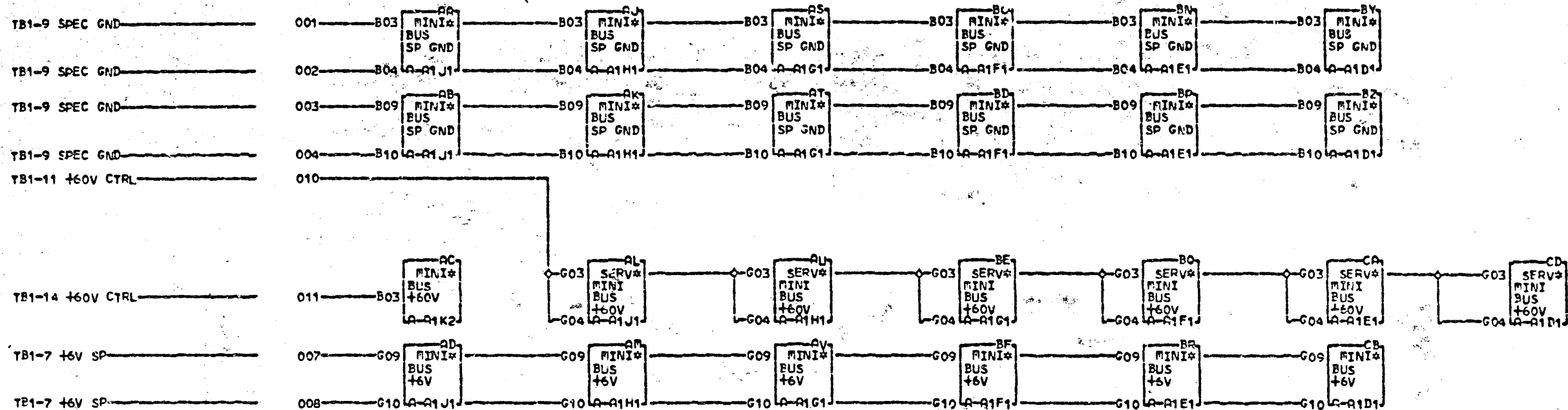
LOC. TYPE  
 A-A1J3 0720

HMR DRIVERS 121-132	
E.C. HISTORY	MACH. 5421-SLD
FRAME	01
DATE LAST EC	IBM CORP. GSD
02-01-72 818828	P.N. 2545792

H  
 O  
 N  
 000

H  
 O  
 N  
 000



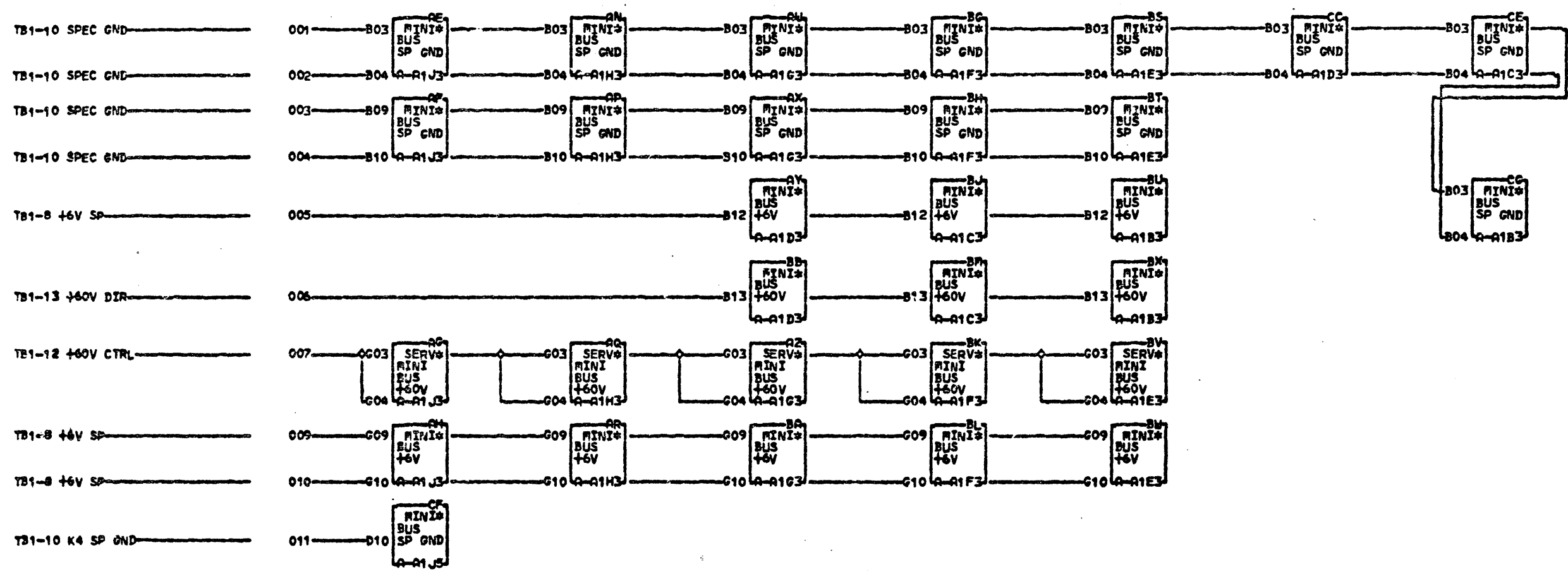


000

LOC. TYPE

5421 MINIBUS PLACEMENT		
E.C. HISTORY	C. MACH. 5421-SLD	
818809		
818812	FRAME	01
818820		
818828	IBM CORP. GSD	
DATE	LAST EC	
11-29-73	577149	P.O.N. 2545793

000



H  
Q  
4  
2  
3  
000

LOC. TYPE

5421 MINIBUS PLACEMENT	
E.C. HISTORY	C. FACH. 5421-SLB
818809	FRAME C1
818812	IBR CORP. CSD
818820	P.N. 2545794
DATE LAST EC	
11-29-73 577149	

H  
Q  
4  
2  
3  
000

+60V PTR (5422) — YB115 — S CABLE — YA315 — +60V (MECU)  
+60V (5424)

+24V (5422) — YB115 — F CABLE — YA315 — +24V  
+24V (5424)

+24VDC PTR (5422) — YB115 — SIM WIRE — YA315 — +24V SEQUENCE  
+24VDC RLY CNTL (5424)

NOTES:

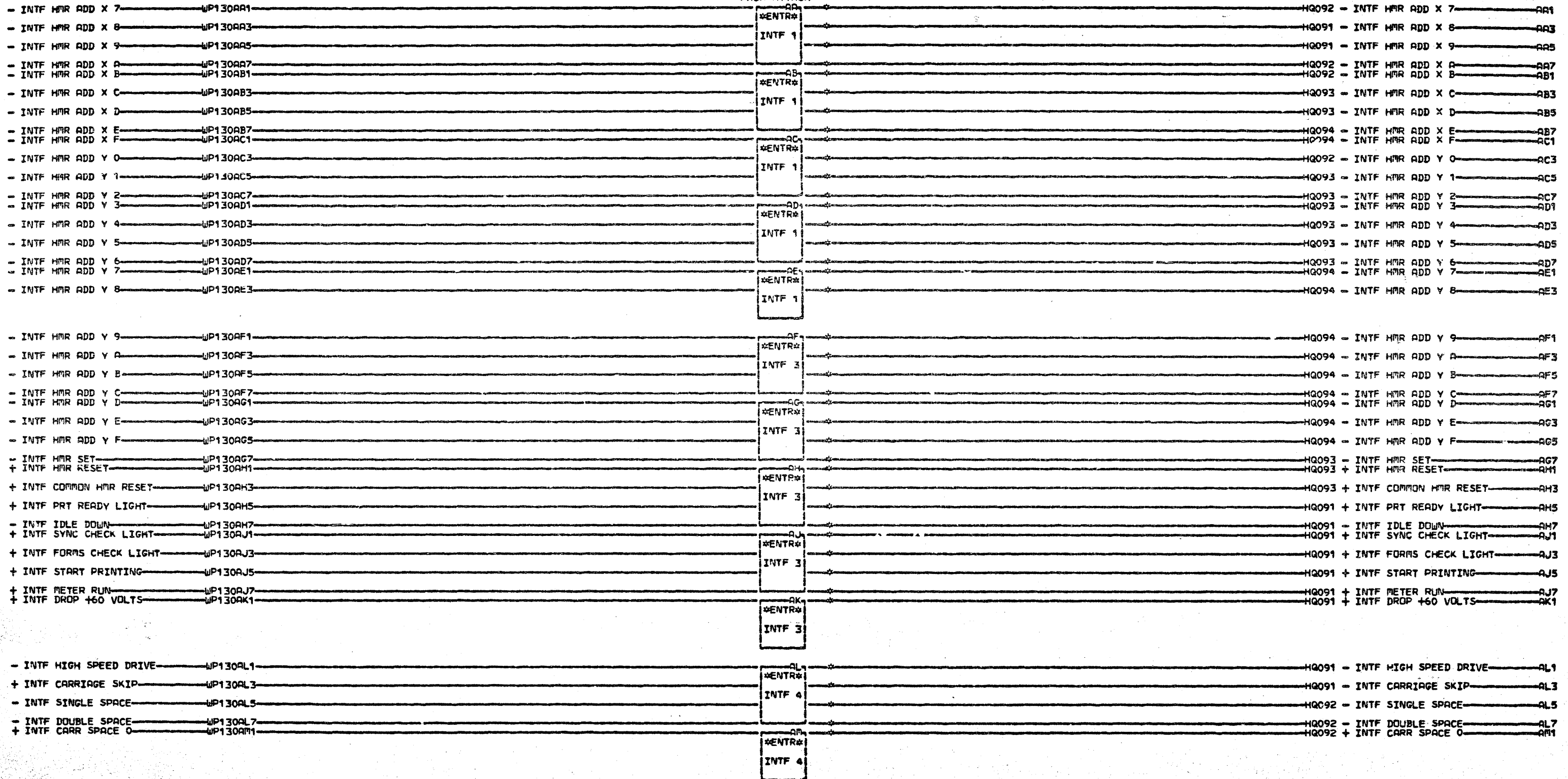
1. THIS PAGE PERMITS REFERENCE FROM  
5422/5424 POWER LOGIC TO 5421

EC HISTORY		DRAWING TITLE	
21 NOV73	572203	VOLTAGE INTERFACE	
		MACH	5421
		PART NO	7369910
B		CLASSIFICATION	IBM CORP

W  
K  
5  
0  
1

W  
K  
5  
0  
1

FROM ATTACH



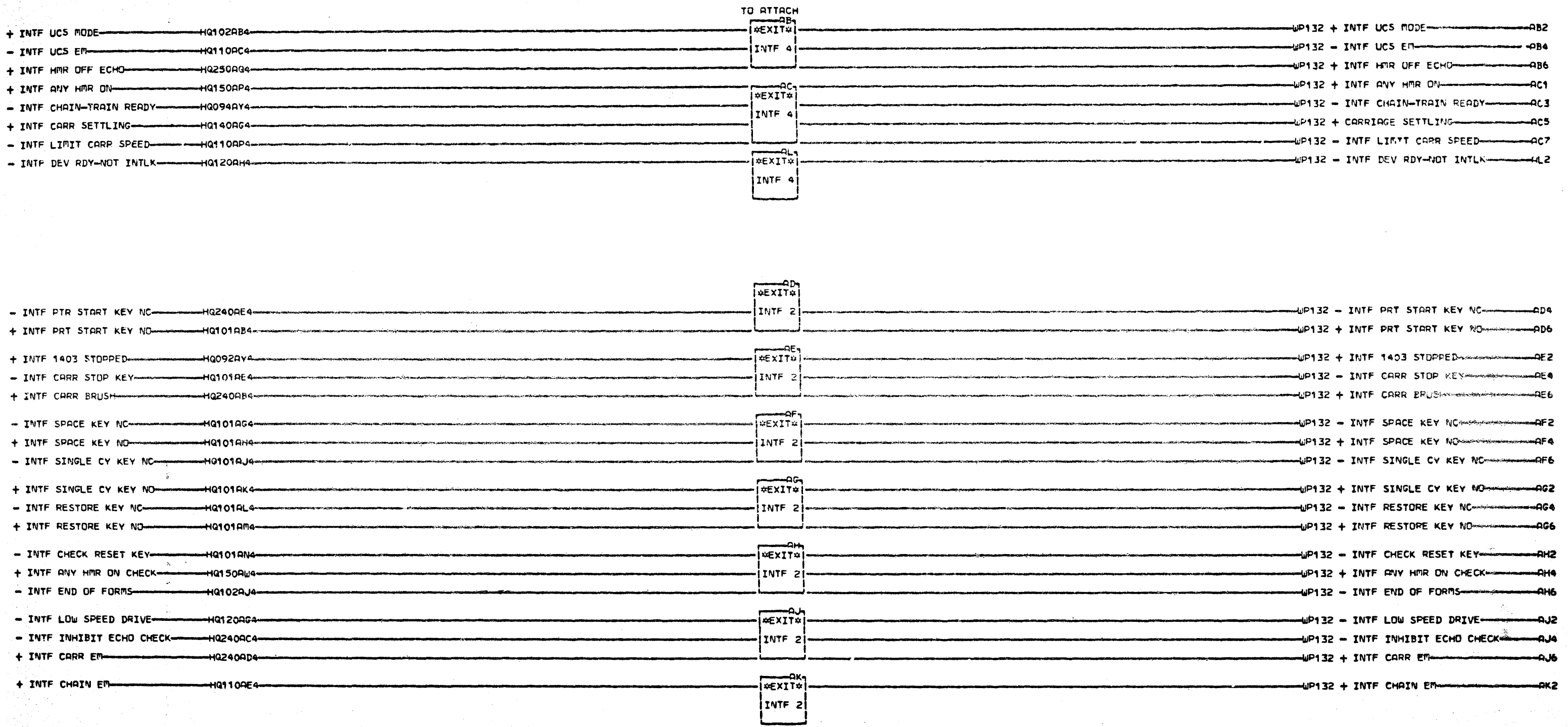
AA1	A-A1N4B02	AC3	A-A1N4D02	AF1	A-A1N6B02	AH3	A-A1N6D02	AL3	A-A1N7B04
AA3	A-A1N4B04	AC5	A-A1N4D03	AF3	A-A1N6B04	AH5	A-A1N6D03	AL5	A-A1N7B03
AA5	A-A1N4B05	AC7	A-A1N4D05	AF5	A-A1N6B05	AH7	A-A1N6D05	AL7	A-A1N7B05
AA7	A-A1N4B06	AD1	A-A1N4D06	AF7	A-A1N6B06	AJ1	A-A1N6D06	AM1	A-A1N7B06
AB1	A-A1N4B08	AD3	A-A1N4D07	AG1	A-A1N6B08	AJ3	A-A1N6D07		
AB3	A-A1N4B09	AD5	A-A1N4D09	AG3	A-A1N6B09	AJ5	A-A1N6D10		
AB5	A-A1N4B10	AD7	A-A1N4D10	AG5	A-A1N6B10	AJ7	A-A1N6D11		
AB7	A-A1N4B12	AE1	A-A1N4D11	AG7	A-A1N6B12	AK1	A-A1N6D13		
AC1	A-A1N4B13	AE3	A-A1N4D13	AH1	A-A1N6B13	AL1	A-A1N7B02		

LOC. TYPE

INTF ATTACHMENT TO PEB ENTRY	
E-C-HISTORY	A-MACH-5421-SLD
FRAME	01
IBM CORP. GSD	
DATE	LAST EC
02-01-72	818826
PaNo	2545796

000

000

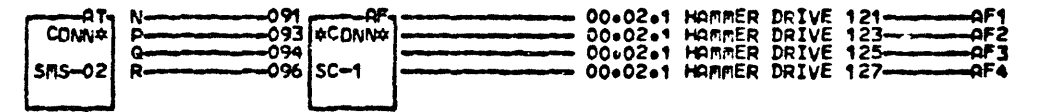
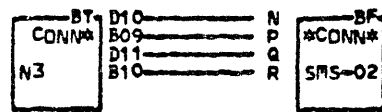
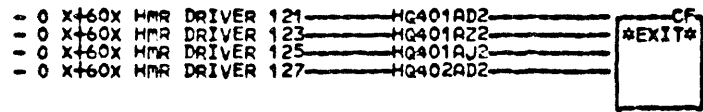
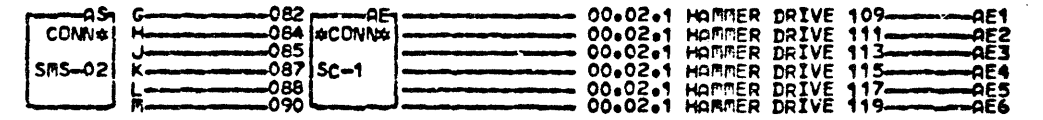
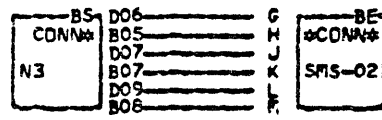
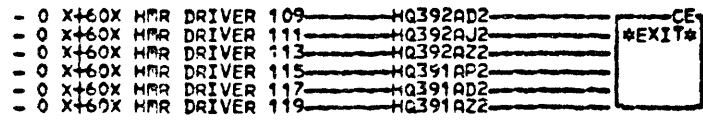
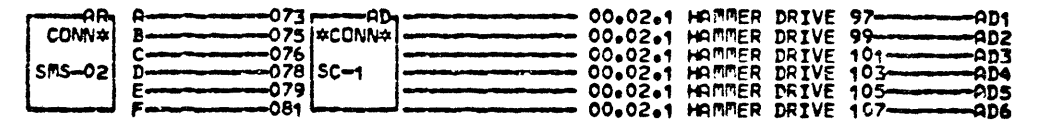
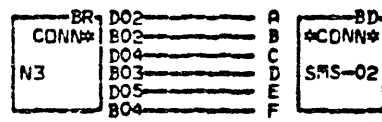
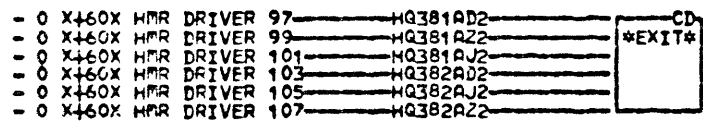
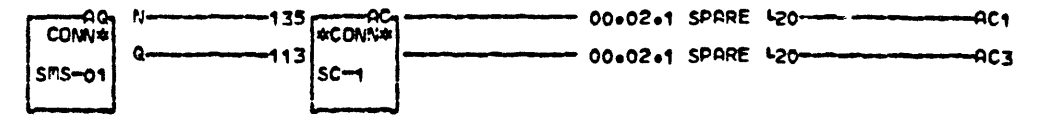
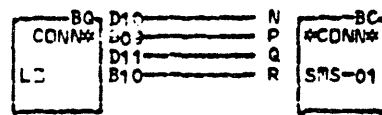
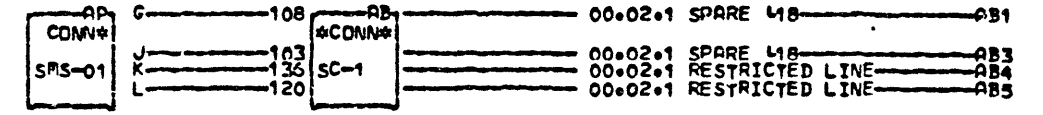
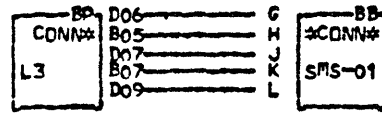
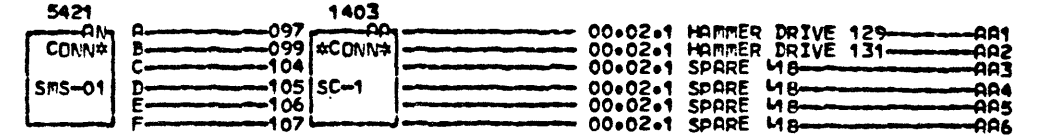
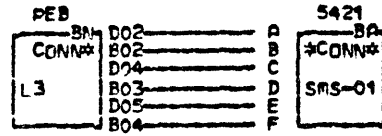
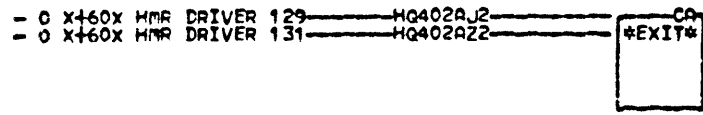


LOC. TYPE

PEB TO ATTACHMENT INTERFACE	
EXIT	
E.C. HISTORY	MACH. 3421-SLD
DATE	LAST EC
02-01-72	818828
FRAME	01
IBM CORP. GSD	
P.No 2545797	

000

WL205



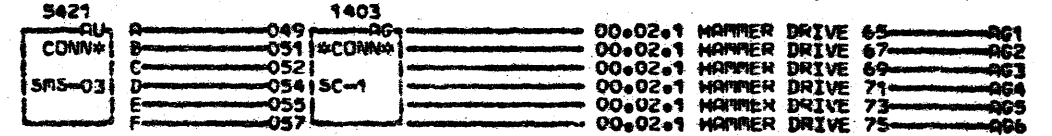
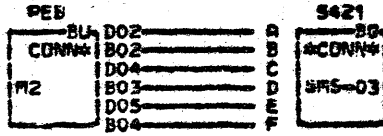
LOC. TYPE

5421 EXIT LINES		W
E.C. HISTORY	MACH. 5421-SLD	L
818809		3
818812	FRAME	01
818828		1
818833	IBM CORP. GSD	000
DATE	LAST EC	
11-02-73	577149	
	P.No. 2545798	

```

0 X460X HMR DRIVER 65 HQ352RZ2
0 X460X HMR DRIVER 67 HQ351RZ1 *EXIT*
0 X460X HMR DRIVER 69 HQ351RZ2
0 X460X HMR DRIVER 71 HQ351RZ2
0 X460X HMR DRIVER 73 HQ351RZ2
0 X460X HMR DRIVER 75 HQ351RZ2

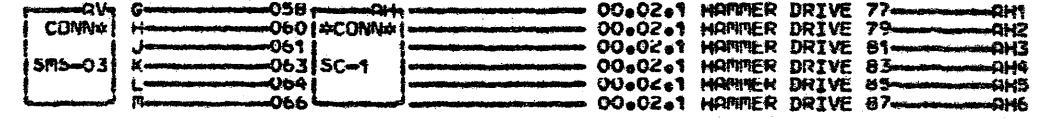
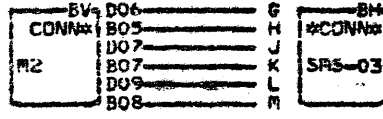
```



```

0 X460X HMR DRIVER 77 HQ361RZ2
0 X460X HMR DRIVER 79 HQ362RZ2
0 X460X HMR DRIVER 81 HQ362RZ2
0 X460X HMR DRIVER 83 HQ362RZ2
0 X460X HMR DRIVER 85 HQ371RZ2
0 X460X HMR DRIVER 87 HQ372RZ2

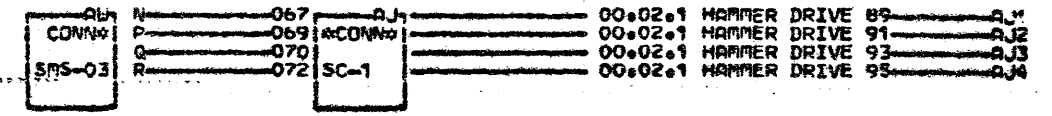
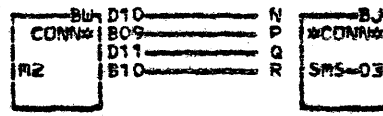
```



```

0 X460X HMR DRIVER 89 HQ372RZ2
0 X460X HMR DRIVER 91 HQ372RZ2
0 X460X HMR DRIVER 93 HQ371RZ2
0 X460X HMR DRIVER 95 HQ371RZ2

```



```

0 X460X HMR DRIVER 33 HQ322RZ2
0 X460X HMR DRIVER 35 HQ322RZ2
0 X460X HMR DRIVER 37 HQ331RZ2
0 X460X HMR DRIVER 39 HQ332RZ2
0 X460X HMR DRIVER 41 HQ332RZ2
0 X460X HMR DRIVER 43 HQ332RZ2

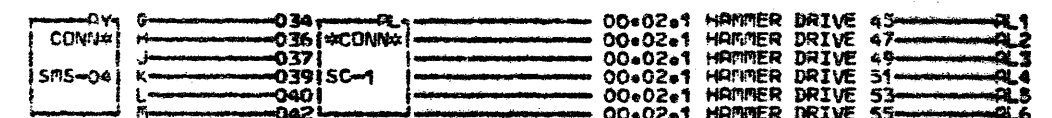
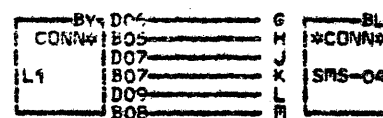
```



```

0 X460X HMR DRIVER 45 HQ331RZ2
0 X460X HMR DRIVER 47 HQ331RZ2
0 X460X HMR DRIVER 49 HQ341RZ2
0 X460X HMR DRIVER 51 HQ341RZ2
0 X460X HMR DRIVER 53 HQ341RZ2
0 X460X HMR DRIVER 55 HQ342RZ2

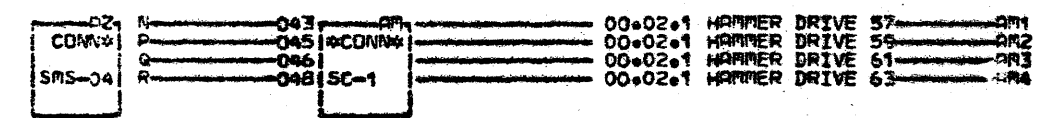
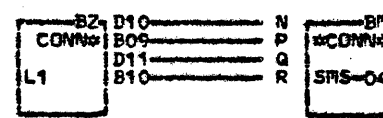
```



```

0 X460X HMR DRIVER 57 HQ342RZ2
0 X460X HMR DRIVER 59 HQ342RZ2
0 X460X HMR DRIVER 61 HQ352RZ2
0 X460X HMR DRIVER 63 HQ352RZ2

```



LOC. TYPE

5421 EXIT LINES

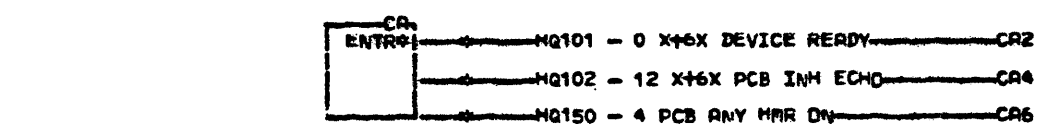
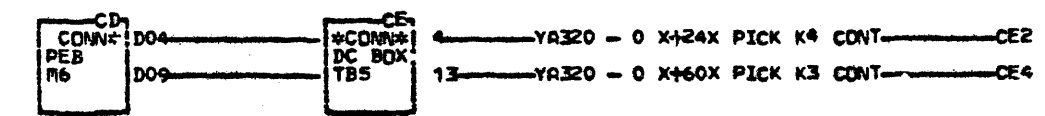
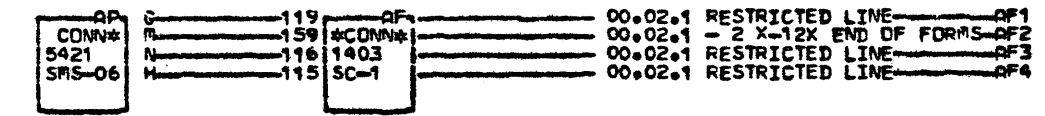
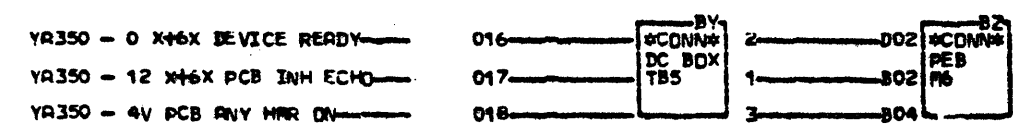
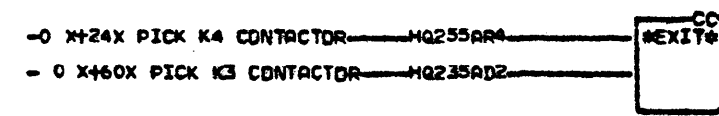
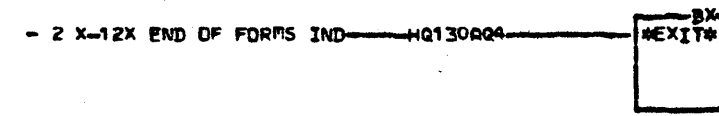
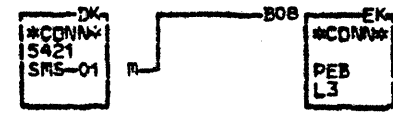
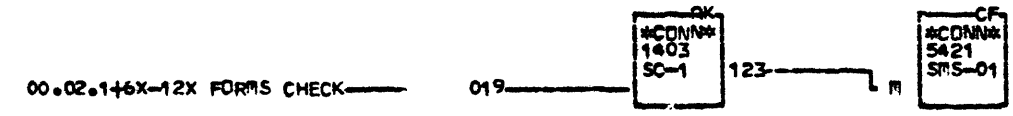
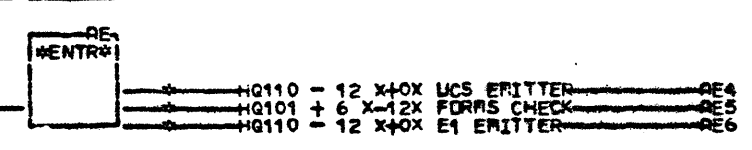
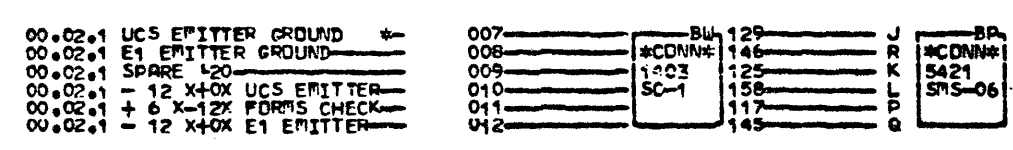
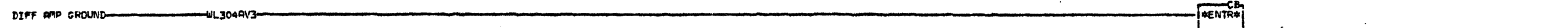
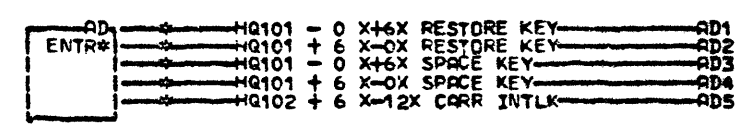
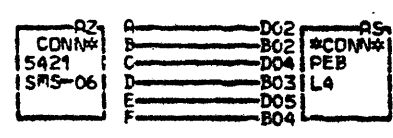
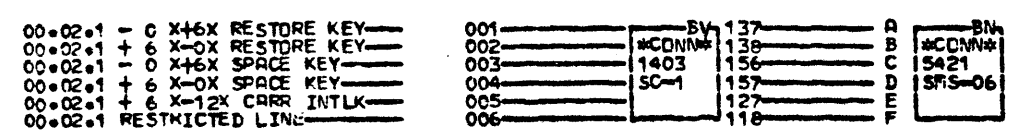
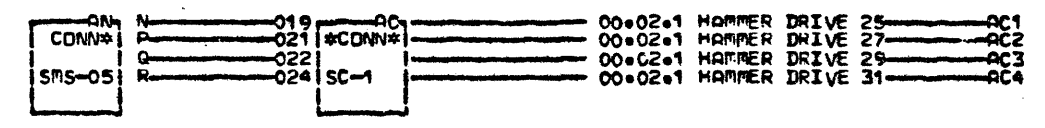
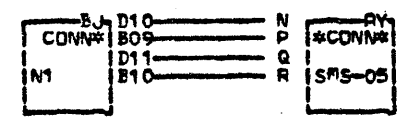
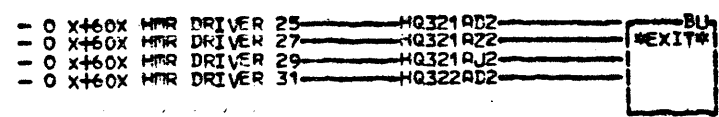
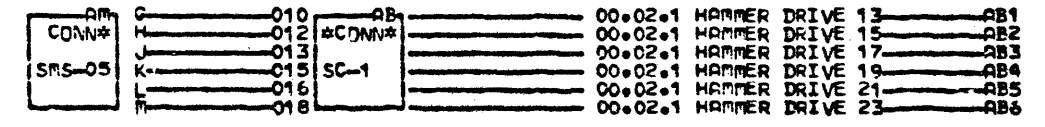
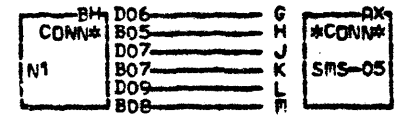
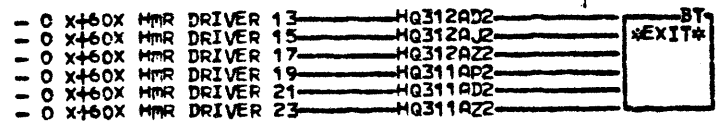
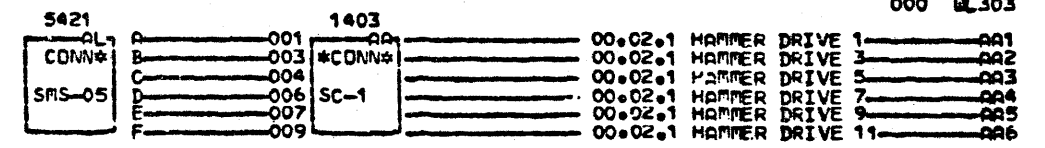
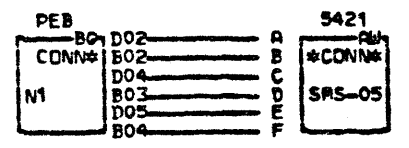
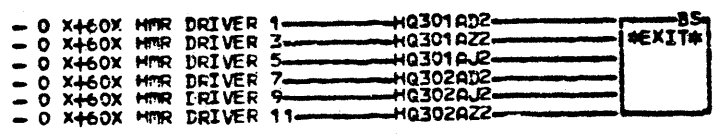
---E.C.---HISTORY---A.MACH.5421---S.L.D.

FRAME 01

IBM CORP. OSD

DATE LAST EC 02-01-72 818928

Page 2545799



\* SPARE ON 1403-2 AND 1403-5

AD1	A-A1L4D02	CA2	A-A1R6D02
AD2	A-A1L3B02	CA4	A-A1R6B02
AD3	A-A1L4D04	CA6	A-A1R6B04
AD4	A-A1L4B03	CB4	A-A1L4D07
AD5	A-A1L4D05	01A	A-A1L4B10
AE4	A-A1L4D09	01A	A-A1L6B02
AE5	A-A1L4B09		
01A	A-A1L3B08		
AE6	A-A1L4D11		

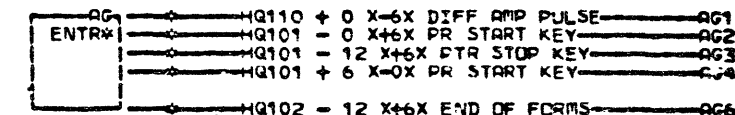
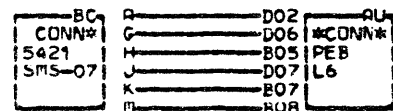
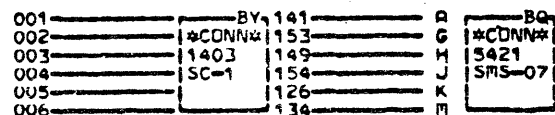
LOC. TYPE

5421 ENTER EXIT LINES	
E.C. HISTORY	C. MACH. 5421-SLD
818809	FRAME 01
818812	3
818828	0
577119	3
DATE	LAST EC
11-02-73 577149	IBN CORP. GSD
	P.No. 2545860

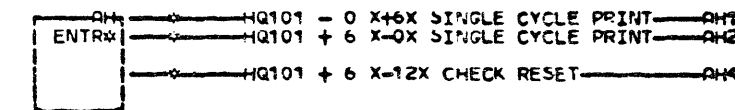
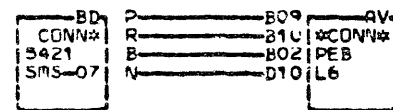
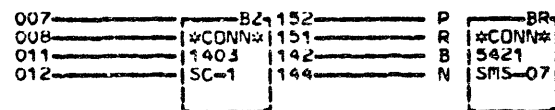
000



00.02.1 + 0 X-6X DIFF AMP PLSE-  
 00.02.1 - 0 X+6X PR START KEY-  
 00.02.1 - 12 X+6X PR STOP KEY-  
 00.02.1 + 6 X-0X PR START KEY-  
 00.02.1 SPARE L20-  
 00.02.1 - 12 X+6X END OF FORMS-

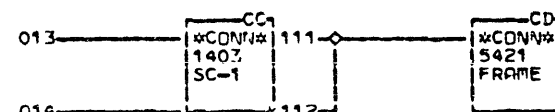


00.02.1 - 0 X+6X SINGLE CYC PRT-  
 00.02.1 + 6 X-0X SINGLE CYC PRT-  
 00.02.1 DIFF AMP GROUND-  
 00.02.1 + 6 X-12X CHECK RESET-

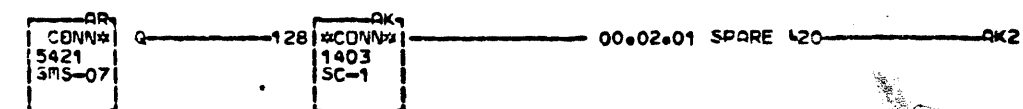
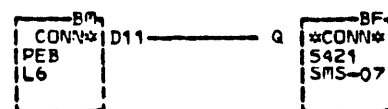
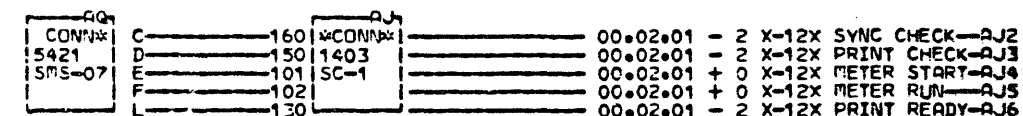
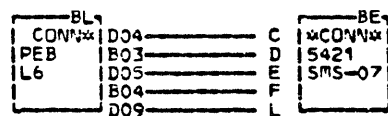
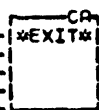


WL303 DIFF AMP GROUND- AV3

00.02.1 SHIELD GND-  
 00.02.1 SHIELD GND-



- 2 X-12X PRT SYNC CHECK IND- HQ140AQ3  
 - 2 X-12X PRT CHECK IND- HQ150AG4  
 + 0 X-12X METER START- HQ096AE2  
 + 0 X-12X METER RUN- HQ096AH2  
 - 2 X-12X PRT READY IND- HQ140AP4



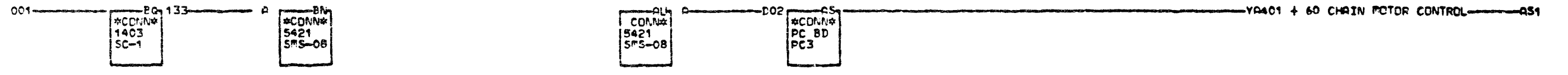
00.02.01 SPARE L20- AK2

AG1 R-A1L6D02  
 AG2 R-A1L6D06  
 AG3 R-A1L6B05  
 AG4 R-A1L6D07  
 AG6 R-A1L6B08  
 AH1 R-A1L6B09  
 AH2 R-A1L6B10  
 AH4 R-A1L6D10

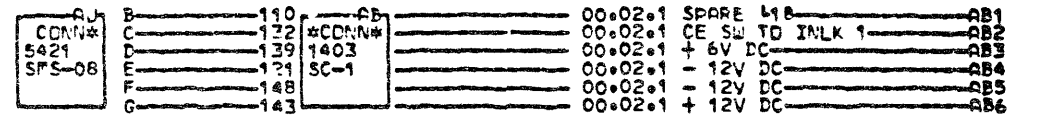
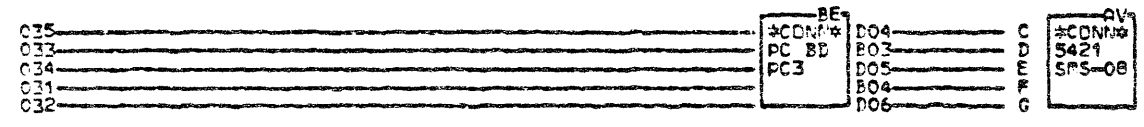
LOC. TYPE

5421 ENTER-EXIT LINES	
E.C. HISTORY	A1 MACH. 5421-5LD
FRAME	01
DATE LAST EC	IBM CORP. GSD
02-01-72 818428	P.No. 2545801

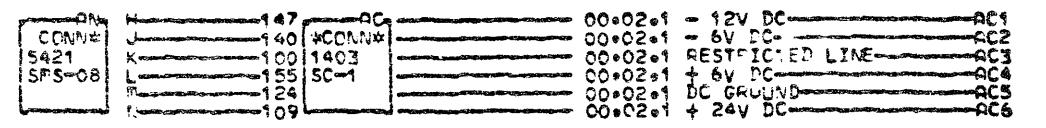
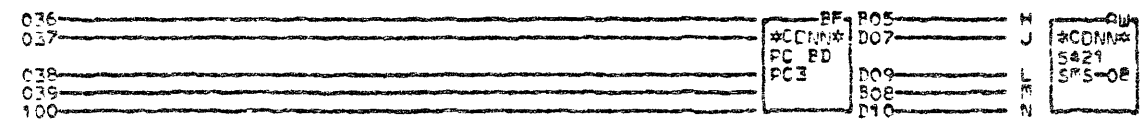
00.02.1 + 60 CHAIN MOTOR CONTROL



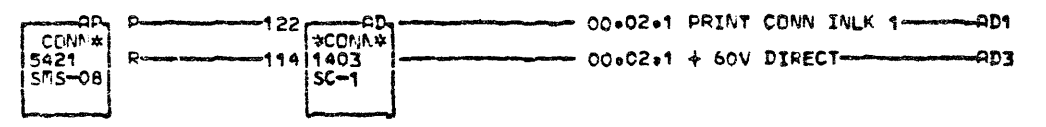
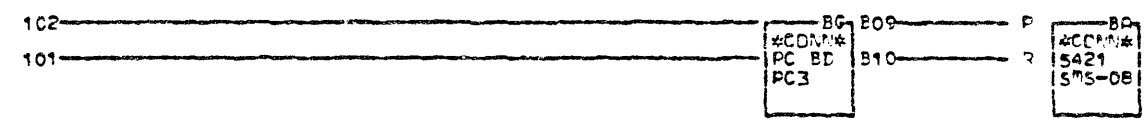
YA401 CE SW TO INLK 1  
 YA406 + 6V DC  
 YA406 - 12V DC  
 YA406 - 12V DC  
 YA406 + 12V DC



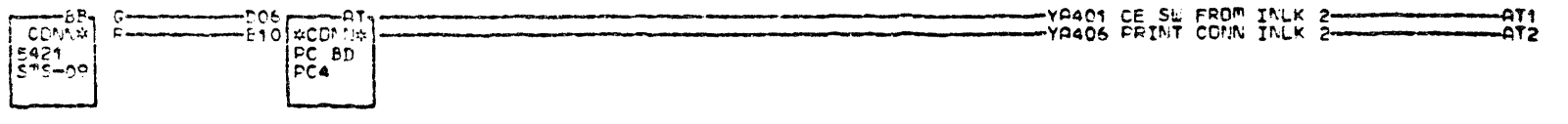
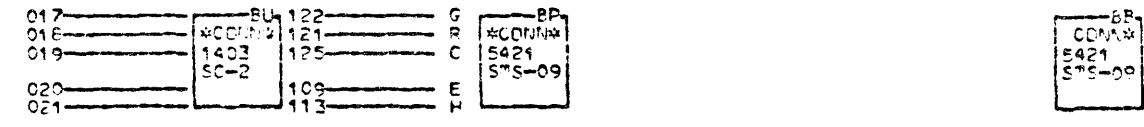
YA406 - 12V DC  
 YA406 - 6V DC  
 YA406 + 6V DC  
 YA406 DC GROUND  
 YA406 - 20 VDC



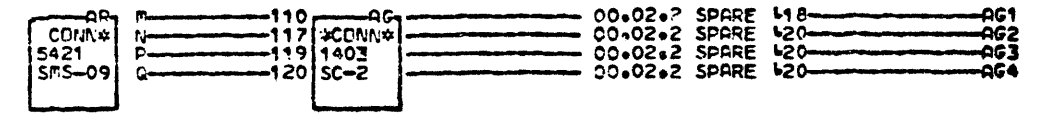
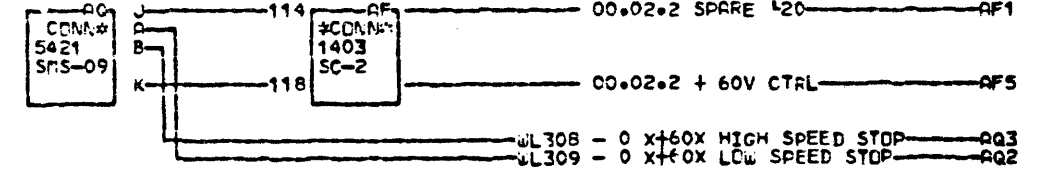
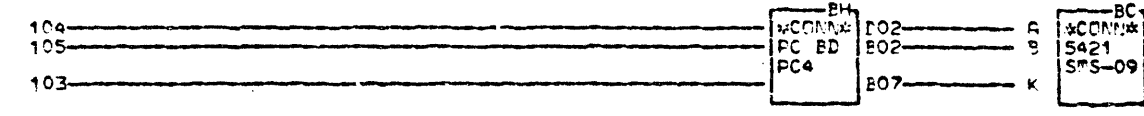
YA406 PRINT CONN INLK 1  
 YA401 + 60V DIRECT



00.02.2 CE SW FROM INLK 2  
 00.02.2 PRINT CONN INLK 2  
 00.02.2 SPARE L20  
 00.02.2 SPARE L18  
 00.02.2 SPARE L20



YA401 - 0 X+60X LOW SPEED STOP  
 YA401 - 0 X+60X HI SPEED STOP  
 YA401 +60V K4 CTRL-2

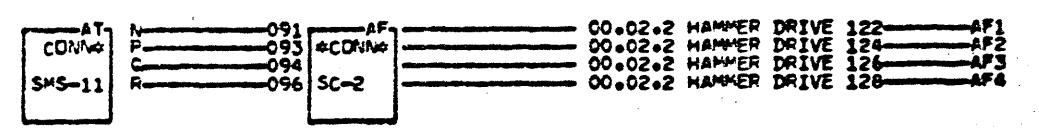
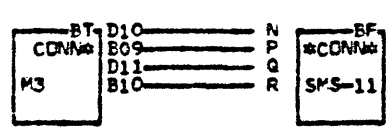
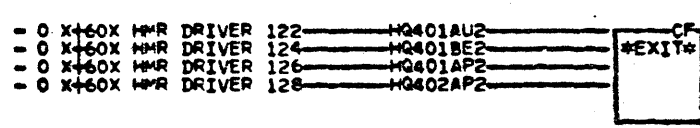
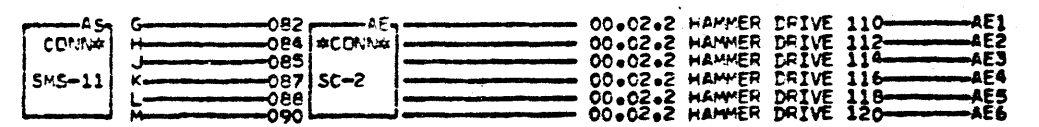
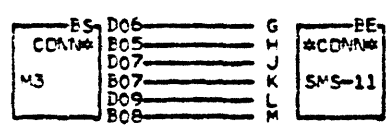
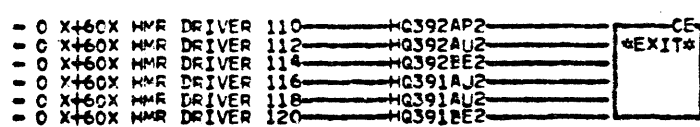
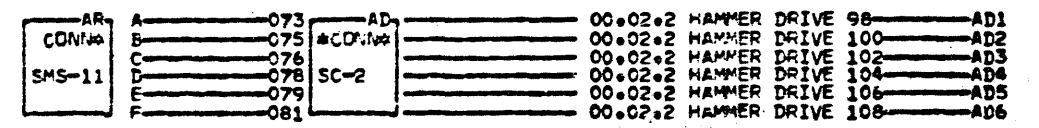
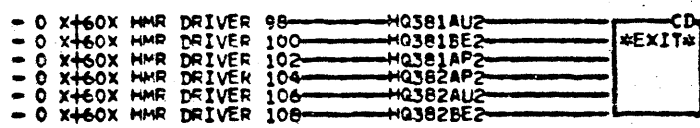
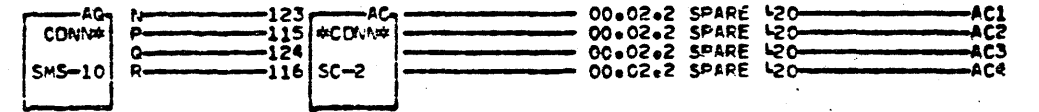
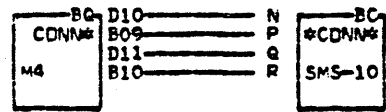
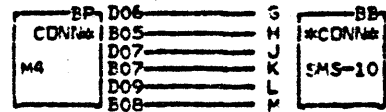
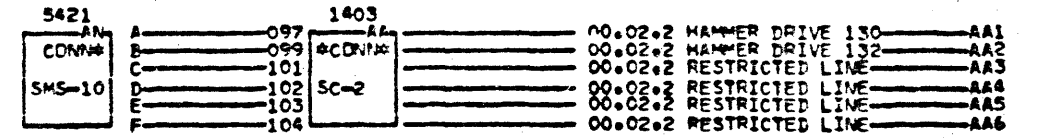
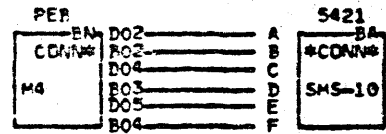
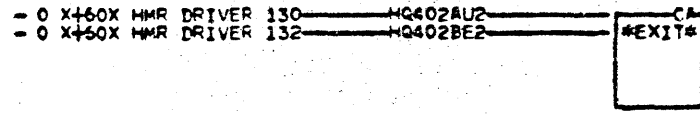


LOC. TYPE

5421 EXIT LINES	
E-C-HISTORY	C-MACH-5421-SLD
818809	FRAME 01
818812	
818828	IBM CORP. GSD
818833	
DATE	LAST EC
06-05-75	572256
	Part No. 2545802

ROUTE  
000

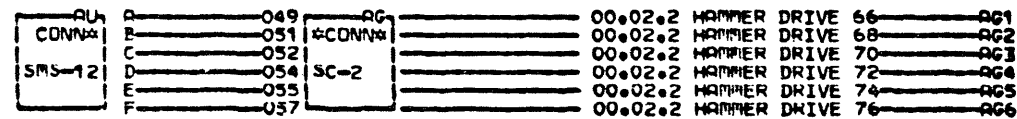
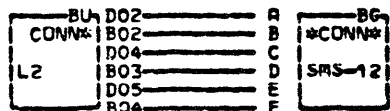
ROUTE  
000



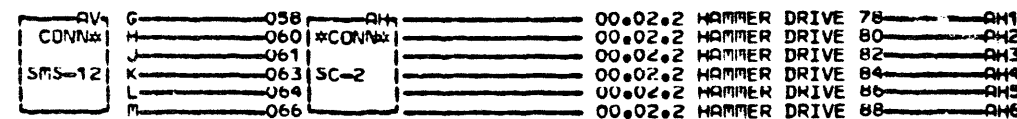
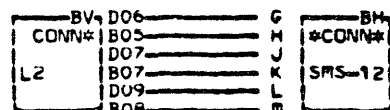
LOC. TYPE

5421 EXIT LINES  
 E-C-HISTORY MACH-5421-SLD  
 818809 FRAME 01  
 818812  
 818828  
 DATE LAST EC IBM CORP. GSD  
 06-22-72 818833 P.No. 2545803

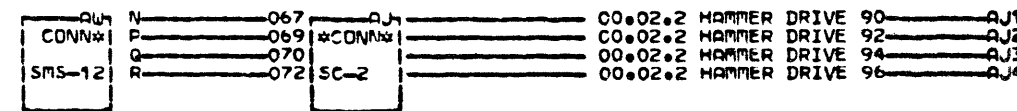
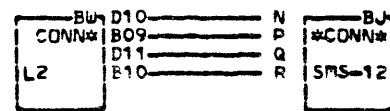
- 0 X+60X HMR DRIVER 66 HQ352BE2 CG  
 - 0 X+60X HMR DRIVER 68 HQ351AP2 #EXIT\*  
 - 0 X+60X HMR DRIVER 70 HQ351AU2  
 - 0 X+60X HMR DRIVER 72 HQ351BE2  
 - 0 X+60X HMR DRIVER 74 HQ361AU2  
 - 0 X+60X HMR DRIVER 76 HQ361BE2



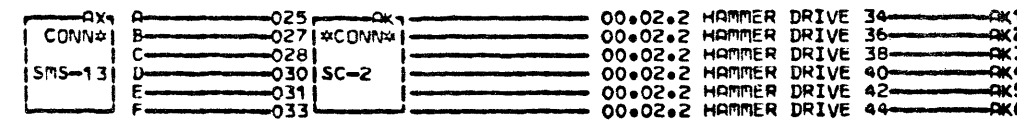
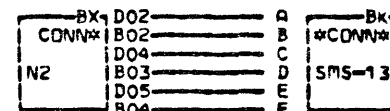
- 0 X+60X HMR DRIVER 78 HQ361AP2 CH  
 - 0 X+60X HMR DRIVER 80 HQ362AP2 #EXIT\*  
 - 0 X+60X HMR DRIVER 82 HQ362AU2  
 - 0 X+60X HMR DRIVER 84 HQ362BE2  
 - 0 X+60X HMR DRIVER 86 HQ371AP2  
 - 0 X+60X HMR DRIVER 88 HQ372AP2



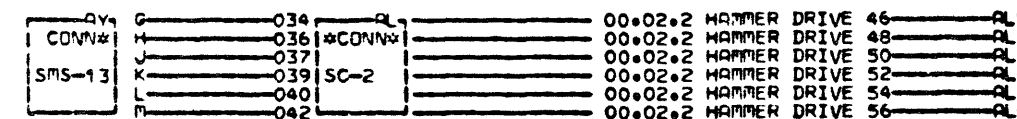
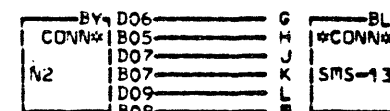
- 0 X+60X HMR DRIVER 90 HQ372AU2 CJ  
 - 0 X+60X HMR DRIVER 92 HQ372BE2 #EXIT\*  
 - 0 X+60X HMR DRIVER 94 HQ371AU2  
 - 0 X+60X HMR DRIVER 96 HQ371BE2



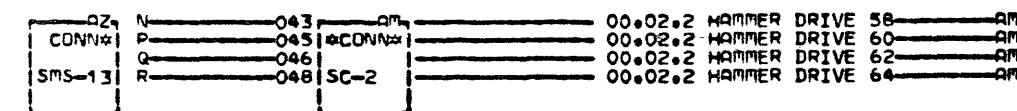
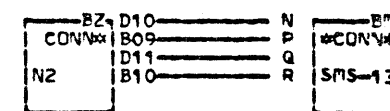
- 0 X+60X HMR DRIVER 34 HQ322AU2 CK  
 - 0 X+60X HMR DRIVER 36 HQ322BE2 #EXIT\*  
 - 0 X+60X HMR DRIVER 38 HQ331AP2  
 - 0 X+60X HMR DRIVER 40 HQ332AP2  
 - 0 X+60X HMR DRIVER 42 HQ332AU2  
 - 0 X+60X HMR DRIVER 44 HQ332BE2



- 0 X+60X HMR DRIVER 46 HQ331AU2 CL  
 - 0 X+60X HMR DRIVER 48 HQ331BE2 #EXIT\*  
 - 0 X+60X HMR DRIVER 50 HQ341AU2  
 - 0 X+60X HMR DRIVER 52 HQ341BE2  
 - 0 X+60X HMR DRIVER 54 HQ341AP2  
 - 0 X+60X HMR DRIVER 56 HQ342AP2



- 0 X+60X HMR DRIVER 58 HQ342AU2 CM  
 - 0 X+60X HMR DRIVER 60 HQ342BE2 #EXIT\*  
 - 0 X+60X HMR DRIVER 62 HQ352AP2  
 - 0 X+60X HMR DRIVER 64 HQ352AU2



000

LOC. TYPE

5421 EXIT LINES

E.C. HISTORY A MACH. 5421-SLD

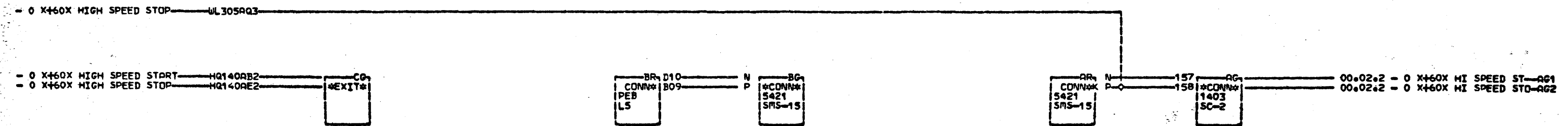
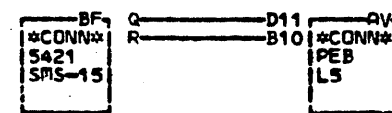
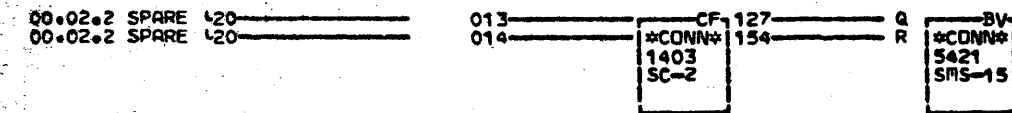
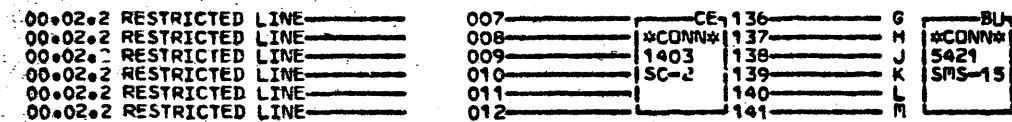
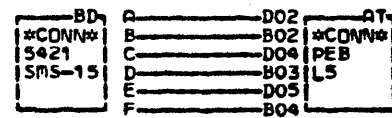
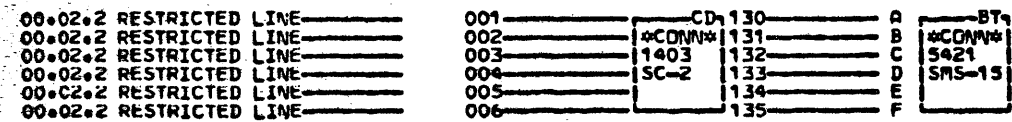
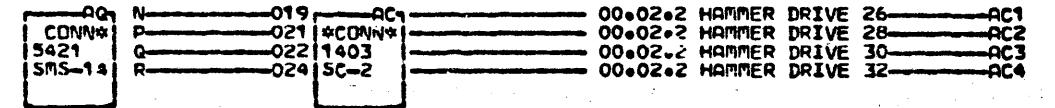
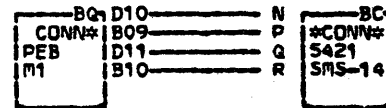
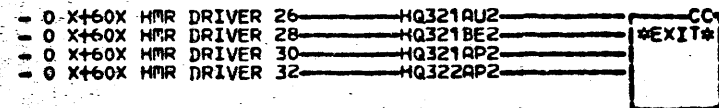
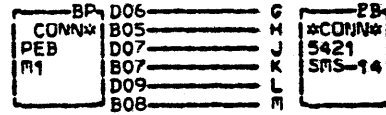
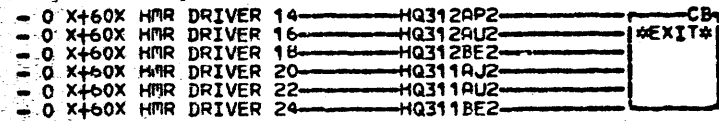
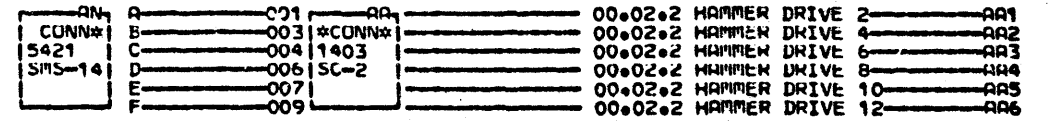
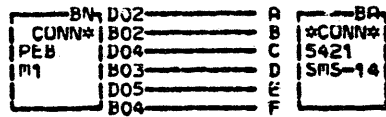
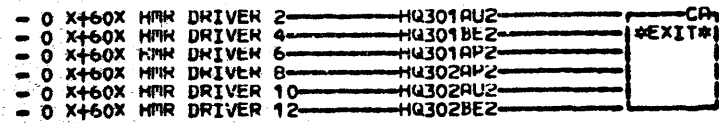
FRAME 01

IBM CORP. GSD

DATE LAST CC 02-01-72 818828

Po. No. 2545804

000



LOC. TYPE

5421 ENTER EXIT LINES

—EoCo—HISTORY—A—CH—5421—SLD

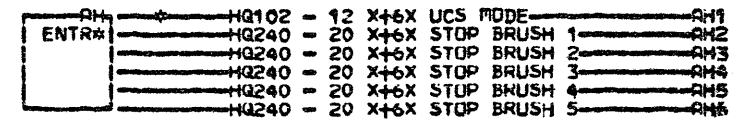
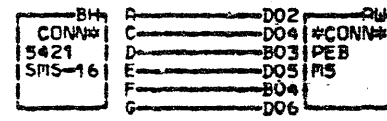
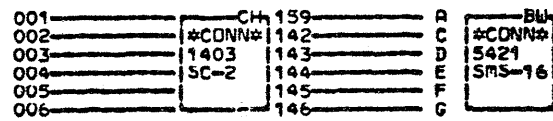
FRAME 01

IBR CORP. GSD

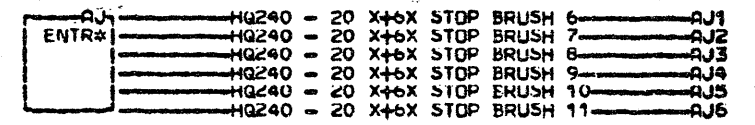
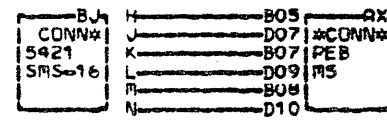
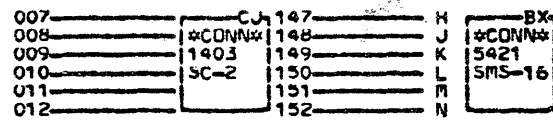
DATE LAST EC 02-01-72 818828

ΓoNo 2545805

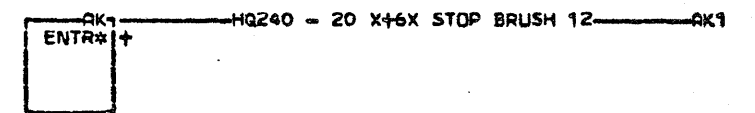
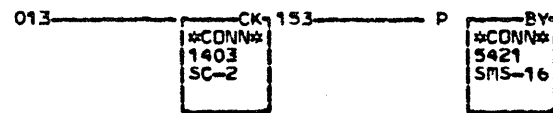
00.02.2 - 12 X+6X UCS MODE  
 00.02.2 - 20 X+6X STOP BRUSH 1  
 00.02.2 - 20 X+6X STOP BRUSH 2  
 00.02.2 - 20 X+6X STOP BRUSH 3  
 00.02.2 - 20 X+6X STOP BRUSH 4  
 00.02.2 - 20 X+6X STOP BRUSH 5



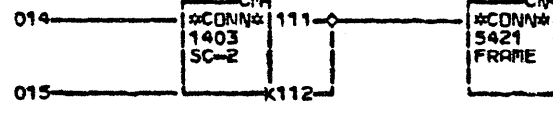
00.02.2 - 20 X+6X STOP BRUSH 6  
 00.02.2 - 20 X+6X STOP BRUSH 7  
 00.02.2 - 20 X+6X STOP BRUSH 8  
 00.02.2 - 20 X+6X STOP BRUSH 9  
 00.02.2 - 20 X+6X STOP BRUSH 10  
 00.02.2 - 20 X+6X STOP BRUSH 11



00.02.2 - 20 X+6X STOP BRUSH 12

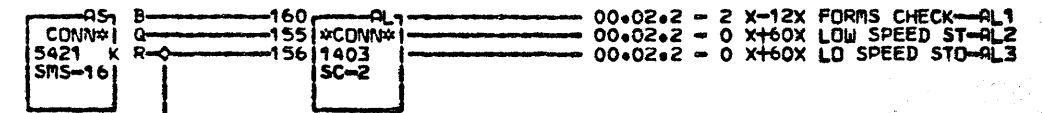
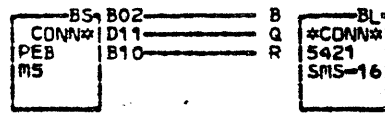


00.02.2 SHIELD GND



00.02.2 SHIELD GND

- 2 X-12X FORMS CHECK IND - HQ130AP4  
 - 0 X+60X LOW SPEED STARY - HQ130AB2  
 - 0 X+60X LOW SPEED STOP - HQ130AE2

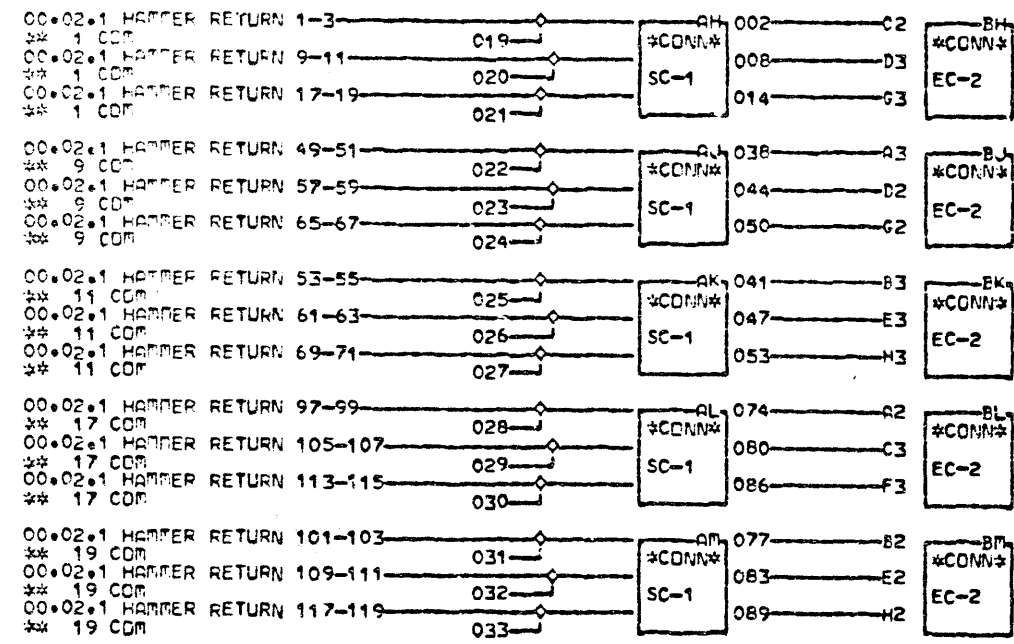
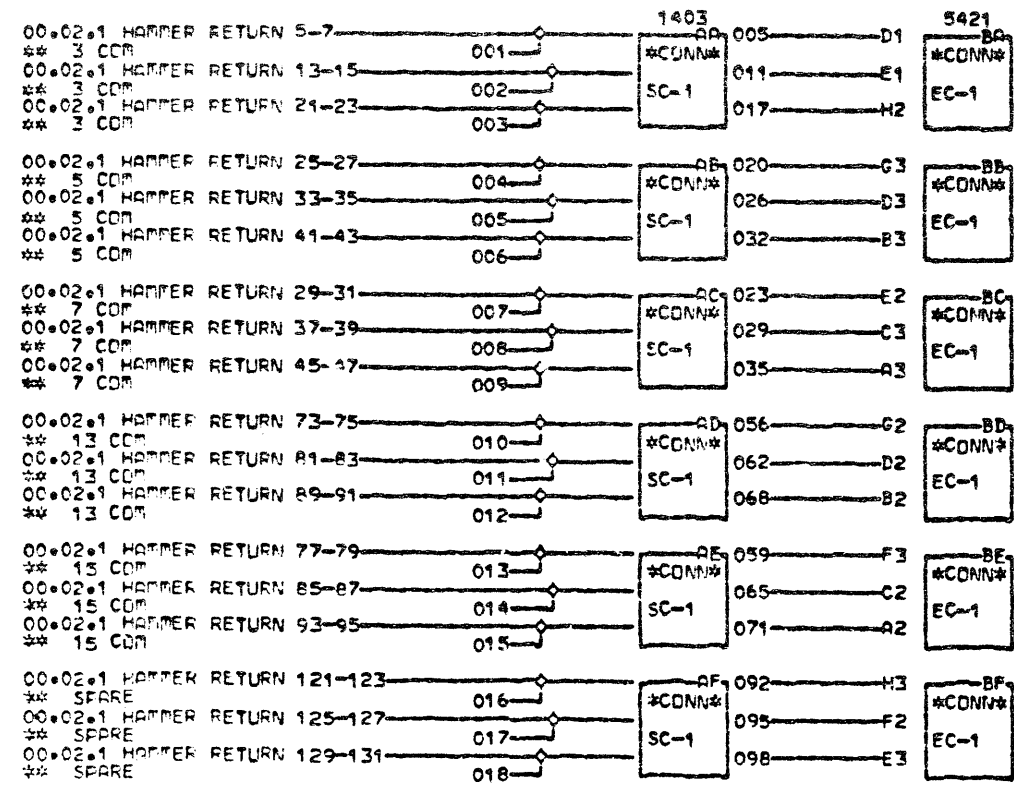


- 0 X+60X LOW SPEED STOP - WL305A02

AH1 A-01R5002

LOC. TYPE

5421 ENTER LINES	
E.C. HISTORY	MACH. 5421-SLD
	FRAME 01
	IBM CORP. GSD
DATE 02-01-72	LAST EC 818828
	Part 2545806

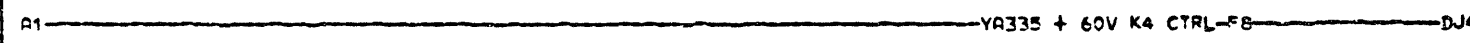
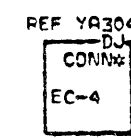
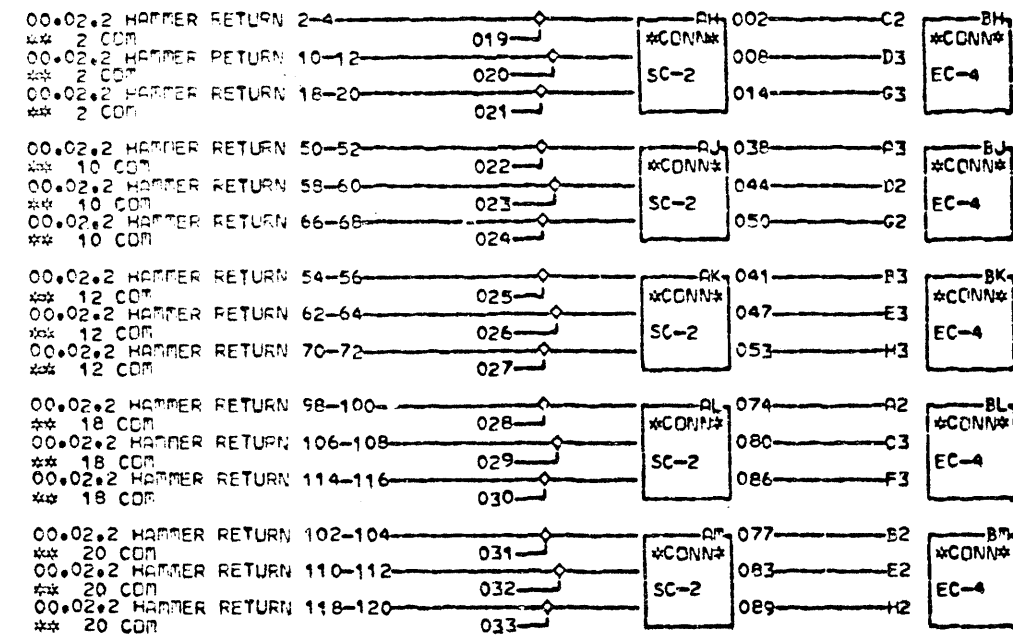
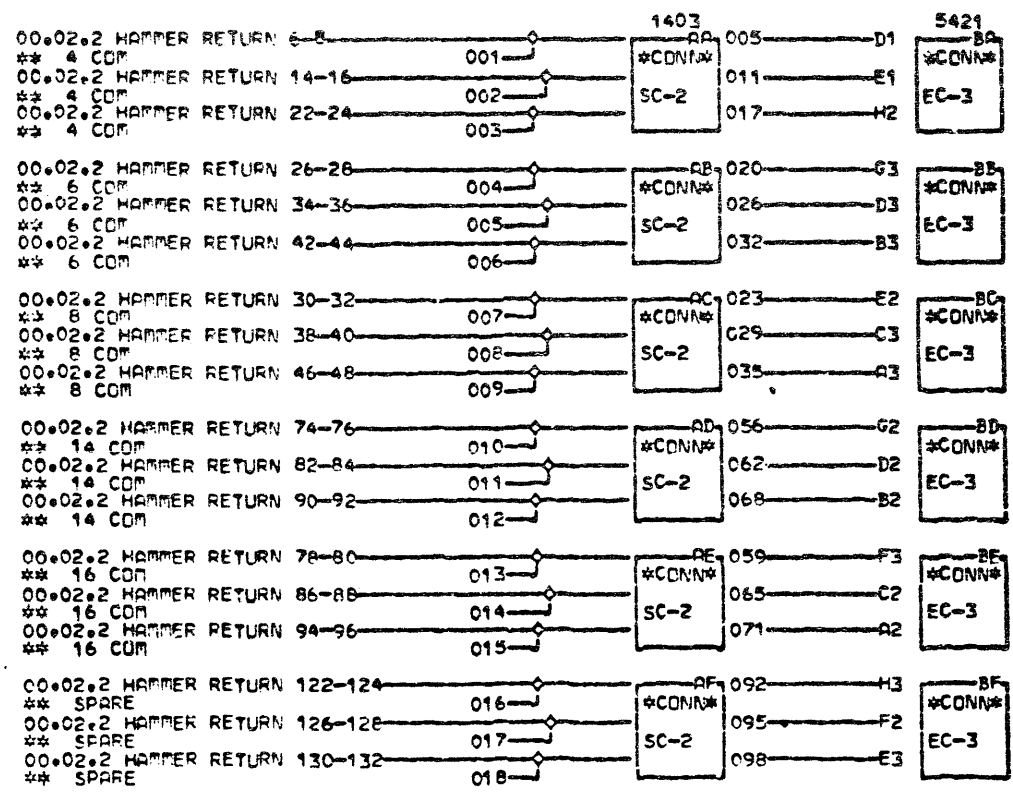


\*\* DENOTES 1403-11 HAMMER RETURN LINE. OTHER NAME APPLIES TO THE 1403-2 OR 1403-5

LOC. TYPE

SC-1 + 60V CON HMR RTN	
E.C. HISTORY	C. MACH. 5421-SLD
818812	FRAME 01
818828	IBN CORP. GSD
577149	P.N. 2545808
DATE LAST EC	
06-05-75 572236	

000



\*\* DENOTES 1403-N1 HAMMER RETURN LINE. OTHER NAME APPLIES TO THE 1403-2 OR 1403-5

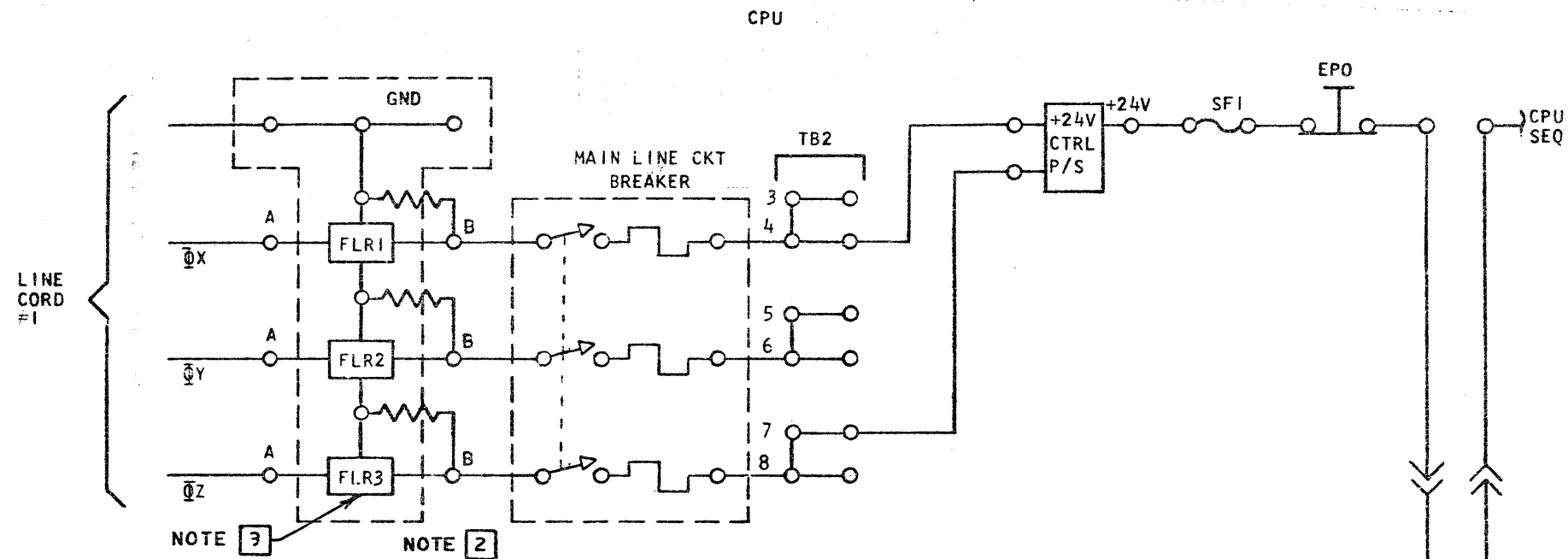
W  
L  
3  
1  
1  
000

LOC. TYPE

SC-2 + 60V COM MFR RTN	
E.C. HISTORY	C. MACH. 5421-SLD
818812	FRAME 01
818828	IBM CORP. GSD
577149	P.N. 2545807
DATE LAST EC	
06-05-75 572256	

W  
L  
3  
1  
1  
000



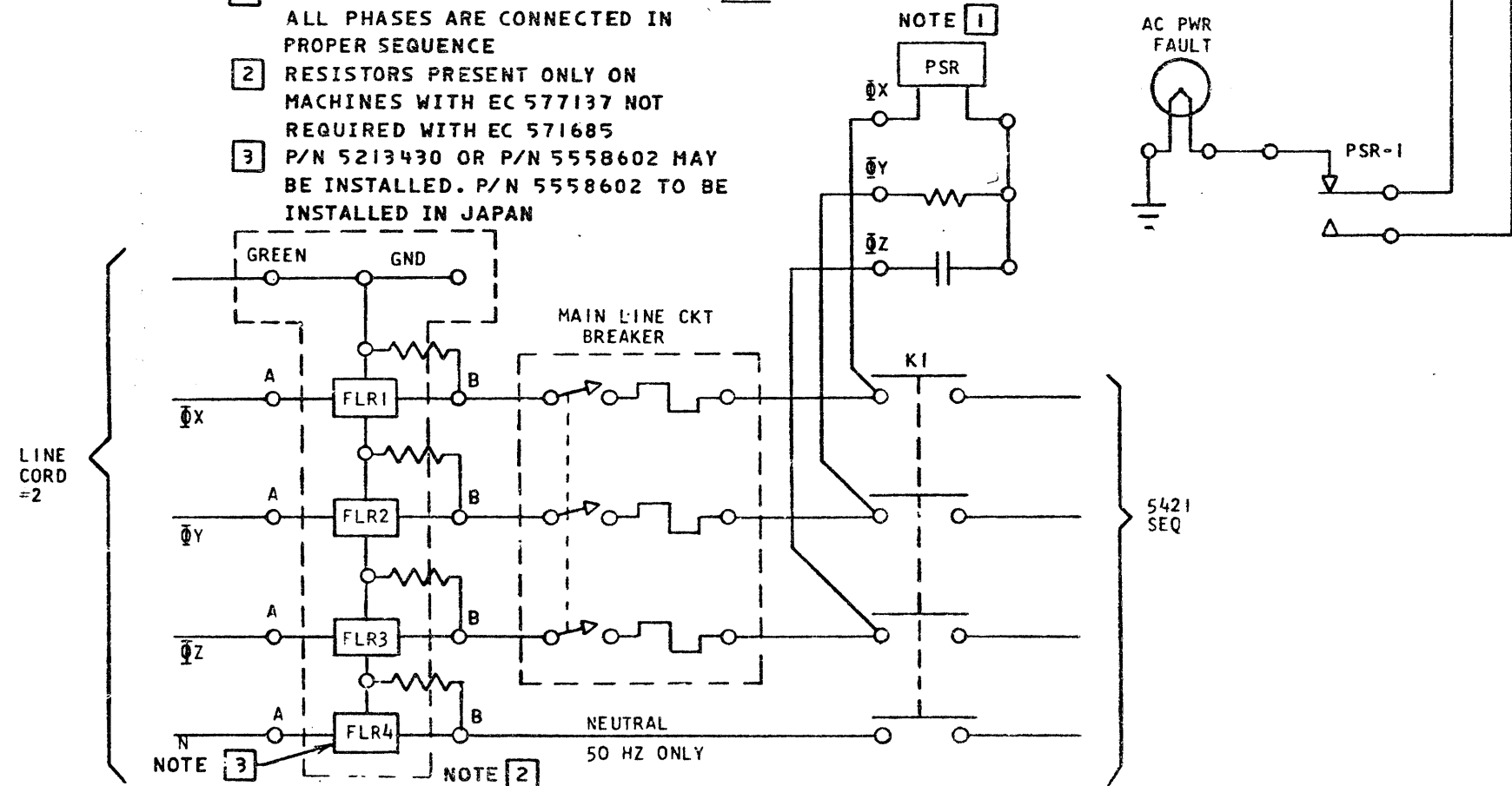


NOTE 3 NOTE 2

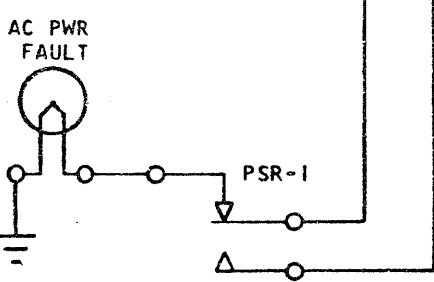
NOTES:

- 1 PSR RLY WILL NOT PICK UNLESS ALL PHASES ARE CONNECTED IN PROPER SEQUENCE
- 2 RESISTORS PRESENT ONLY ON MACHINES WITH EC 577137 NOT REQUIRED WITH EC 571685
- 3 P/N 5213430 OR P/N 5558602 MAY BE INSTALLED. P/N 5558602 TO BE INSTALLED IN JAPAN

5421

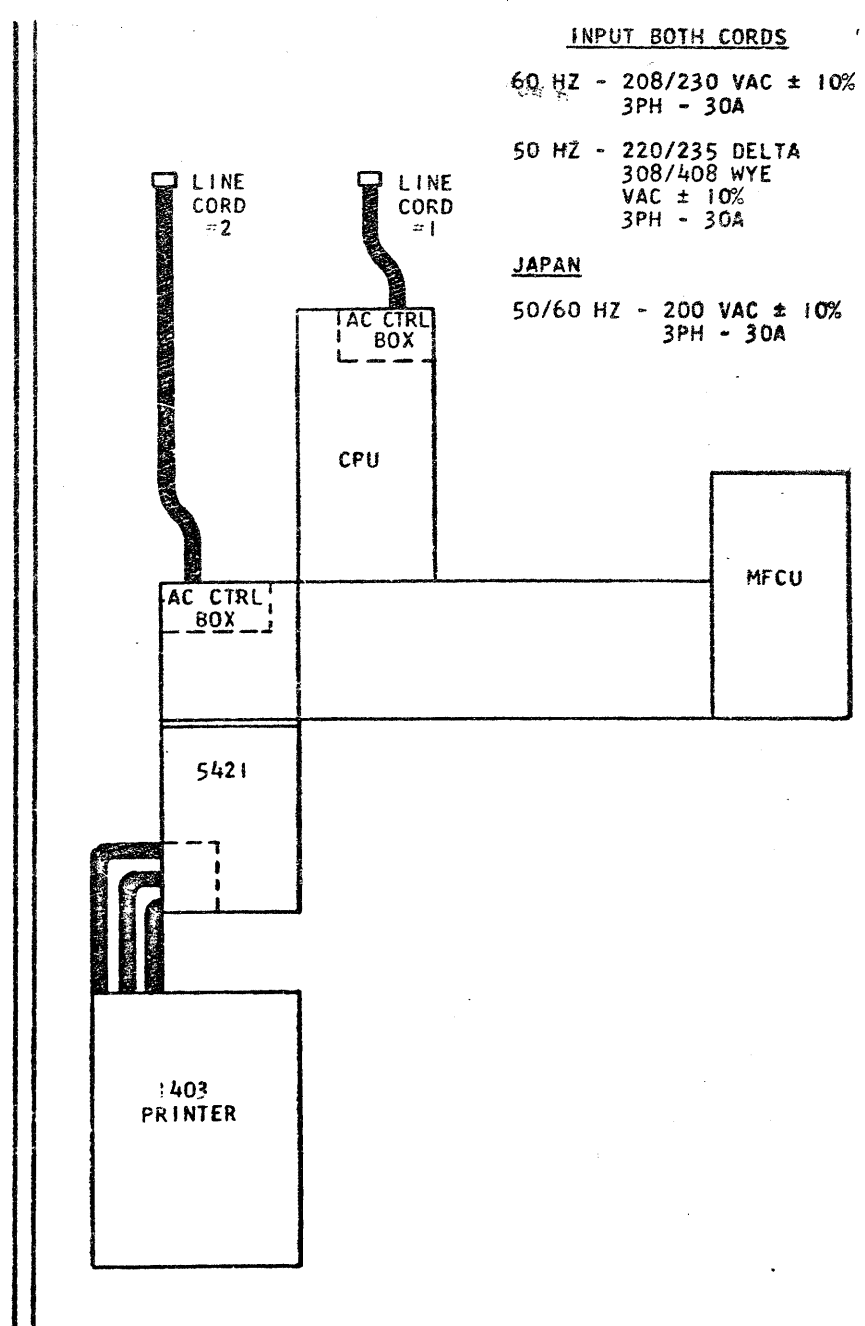


NOTE 3 NOTE 2



NOTE 1

5421 SEQ



INPUT BOTH CORDS  
 60 HZ - 208/230 VAC ± 10%  
 3PH - 30A  
 50 HZ - 220/235 DELTA  
 308/408 WYE  
 VAC ± 10%  
 3PH - 30A  
 JAPAN  
 50/60 HZ - 200 VAC ± 10%  
 3PH - 30A

EC HISTORY		DRAWING TITLE	
17 MAY 71	818806E	DUAL LINE CORD INLK (REF)	
29 JUL 71	818816	MACH	5421
10 SEP 73	577137	PART NO 7369864	
3 APR 75	571760	CLASSIFICATION	IBM CORP
7 OCT 77	571685	RLB 5 MAY 71	

Y A 3 0 1

# COMPONENT LIST - 5421 PRINTER CONTROL UNIT

BOX COMPONENT LIST			
SYMBOL	DESCRIPTION	PART NO.	PAGE
B1	GATE FAN	5357051	YA335
B2	REGULATOR FAN	4120171	YA335
C1	CAPACITOR 0.1 MFD (60 HZ)	7369920	YA311
C1	CAPACITOR 0.1 MFD (50 HZ)	2277743	YA311
**CB1	CIRCUIT BREAKER 5421 MAIN LINE 30A	2454900	YA311
CR1,2,3	DIODE AM	2588449	YA320
CR4	SUPPRESSION ASM	2542198	YA320
F1	FUSE 15 AMP	115971	YA312
F2	FUSE 2.0 AMP MDL	332009	YA320
F3,4	FUSE 6.25 FNM	107667	YA330
F5,6,7,8	FUSE 6.25 FNM	107667	YA335
FLR1,2,3	FILTER <span style="float: right;">NOTE 1</span>	5213430	YA311
FLR4	FILTER 50 HZ ONLY <span style="float: right;">NOTE 1</span>	5213430	YA311
	LAMP	586305	YA320
PI	POT -6 VDC GEN	207360	YA335
PSR	RELAY	526688	YA311
R1	RESISTOR 20K $\Omega$ 2W	2454707	YA311
R2	RESISTOR 100 $\Omega$ 50W	822001	YA330
R3	RESISTOR 15 $\Omega$ 40W	474822	YA330
R4,5	RESISTOR 10K $\Omega$ 10W 50HZ	2454708	YA311
R6	RESISTOR 12K $\Omega$ 10W 50HZ	2454709	YA311
R19,20	RESISTOR 250 $\Omega$ 20W	2174168	YA320
R28,29	RESISTOR 40 $\Omega$ 10W	209562	YA340
R30,31,32,33	RESISTOR 1MEG 1W 50HZ <span style="float: right;">NOTE 2</span>	2637647	YA311
RC1,2,3	RESISTOR CAPACITOR	173706	YA311
RC4,5,6,7,8	RESISTOR CAPACITOR	173706	YA312
RC9	RESISTOR CAPACITOR 50HZ	173706	YA312
RC1,2,3	RESISTOR CAPACITOR (NON-PCB)	5252800	YA311
RC4,5,6,7,8	RESISTOR CAPACITOR (NON-PCB)	5252800	YA312
RC9	RESISTOR CAPACITOR 50HZ (NON-PCB)	5252800	YA312
S1	SWITCH	2539358	YA330
S2	SWITCH	725349	YA330
	REED COIL	2532227	YA330
AUTOTFMR	AUTOTRANSFORMER (JAPAN)	4118369	YA311
THRM	PEB GATE	5428337	YA320
THRM	REGULATORS	2599821	YA320
R4	RESISTOR 100 $\Omega$ 1/4W	7369919	YA330
C1	CAPACITOR .1UF	7369918	YA330

NOTE 3

2588425		
K	132 $\Omega$	PAGE
	COIL	YA320
	1	YA311
	2	YA311
	3	YA311
	4	YA311

2588425		
K	132 $\Omega$	PAGE
	COIL	YA320
	1	YA312
	2	YA312
	3	YA312
	4	

2588425		
K	132 $\Omega$	PAGE
	COIL	YA320
	150HZ	YA312
	2	YA312
	3	YA312
	4	

5213421		
K	134 $\Omega$	PAGE
	COIL	YA320
	1	YA330
	2	YA330
	3	YA330
	4	YA330

PRINTED CIRCUIT BOARD COMPONENT LIST			
SYMBOL	DESCRIPTION	PART NO.	PAGE
C1	CAPACITOR 68MFD	222092	YA406
CR1	DIODE AU	491300	YA411
CR2	DIODE AM	2111232	YA412
CR3	DIODE GG	2414808	YA406
ESD	SLT MODULE	361431	YA411
FTX	SLT MODULE	361497	YA411
HS	HEAT SINK	483376	YA406
L1	CHOKE 10MH	482153	YA412
Q1,Q2	TRANSISTOR 139	2414938	YA411
Q4	TRANSISTOR 179	369687	YA411
Q5	TRANSISTOR 183	369691	YA406
R1,R3,R19	RESISTOR 20K $\Omega$ 1/4W	216475	YA411
R4,R5,R8	RESISTOR 30K $\Omega$ 1/4W	216479	YA411
R6	RESISTOR 4.7K $\Omega$ 1/4W	216460	YA411
R7	RESISTOR 1.0K $\Omega$ 1/4W	216445	YA411
R9	RESISTOR 16K $\Omega$ 1/4W	216473	YA411
R11	RESISTOR 2.2K $\Omega$ 1/4W	216453	YA411
R21	RESISTOR 620 $\Omega$ 1/2W	317013	YA401
R22	RESISTOR 30 $\Omega$ 1W	216739	YA406
R23	RESISTOR 120 $\Omega$ 1W	317078	YA406
R24	RESISTOR 1.0K $\Omega$ 1W	317082	YA406
R25,R26	RESISTOR 150 $\Omega$ 10W	2102625	YA406
R27	RESISTOR 47 $\Omega$ 1/4W	216421	YA406
ZD1,ZD2	ZENER DIODE GR	2414875	YA406
ZD3	ZENER DIODE	369633	YA401

767031		
K	1275 $\Omega$	PAGE
	COIL	YA401
	1	YA401
	2	YA401
	3	YA401
	4	

2513155		
K	700 $\Omega$	PAGE
	COIL	YA406
	1	YA401
	2	
	3	
	4	

767037		
K	1275 $\Omega$	PAGE
	COIL	YA412
	1	YA412
	2	
	3	
	4	

**NOTES:**

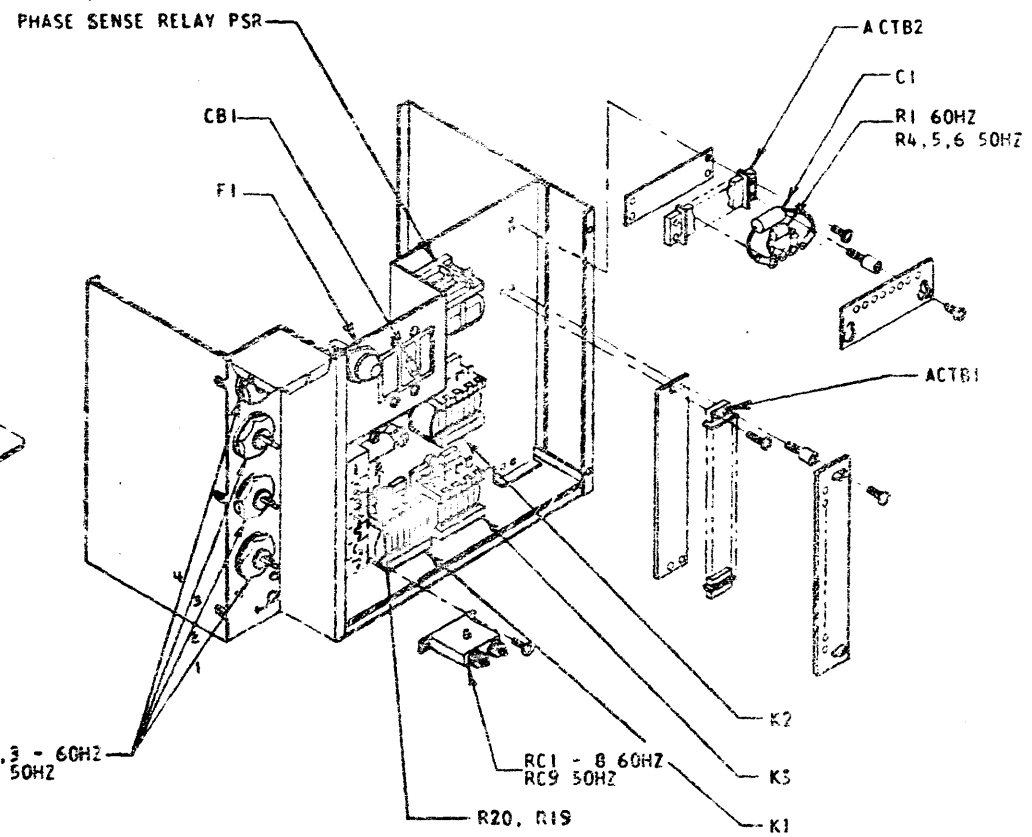
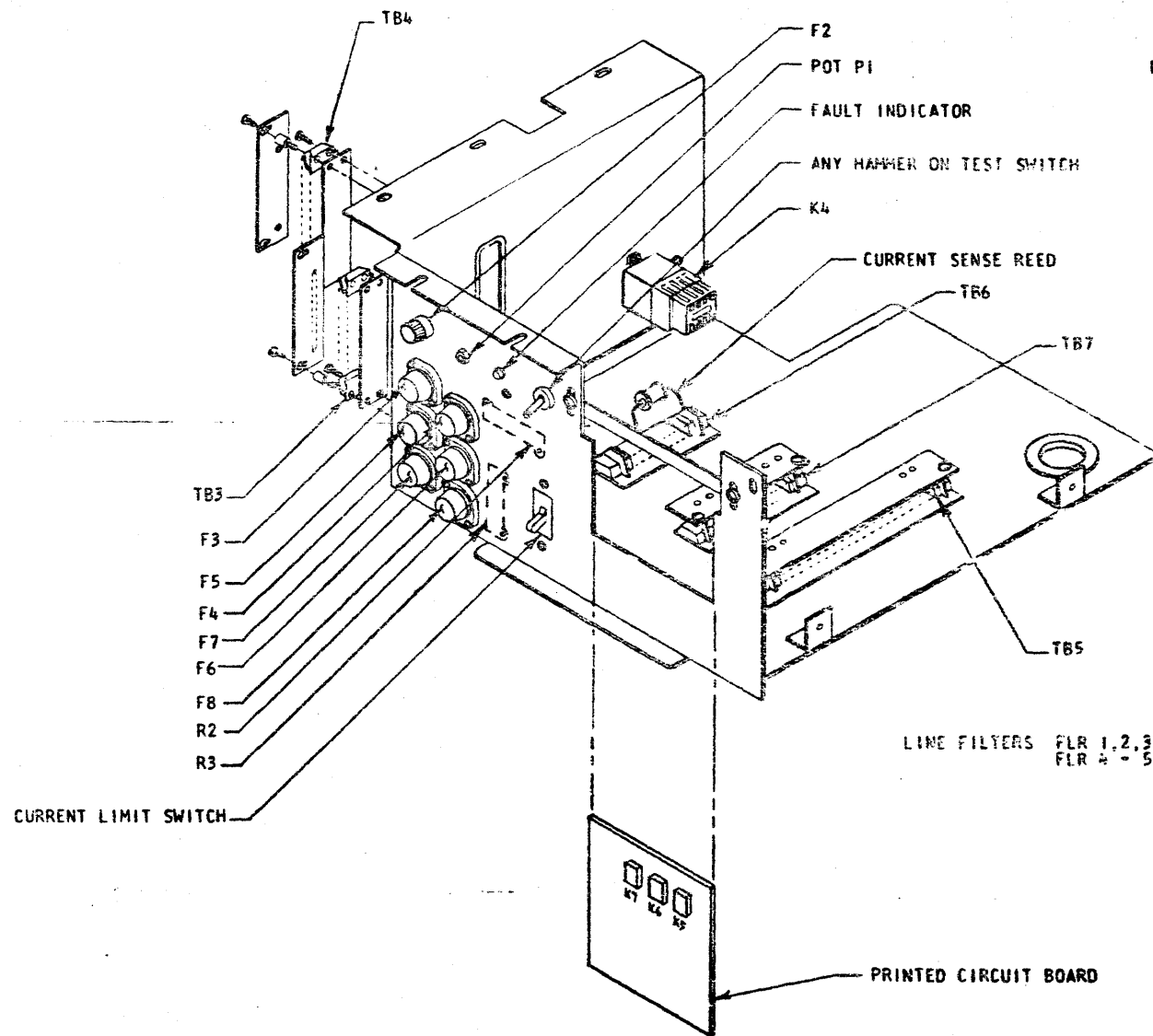
- 1 MACHINES WITHOUT EC 577137 IS P/N 7369695 FILTER.  
P/N 5558602 FILTER IS REQUIRED FOR JAPAN AND WTC
- 2 RESISTORS PRESENT ONLY ON MACHINES WITH EC 577137
- 3 5421 UNITS AT EC 572271 OR HIGHER HAVE P/N 5271386  
20 AMP CIRCUIT BREAKER INSTALLED

EC HISTORY		DRAWING TITLE	
SEE EC HIST		COMPONENT LIST (REF)	
18 JAN 73	577095	MACH	5421
10 SEP 73	577137	PART NO	7369865
20 AUG 75	572271	CLASSIFICATION	
7 OCT 77	571685	RLB	5 MAY 71

**D**

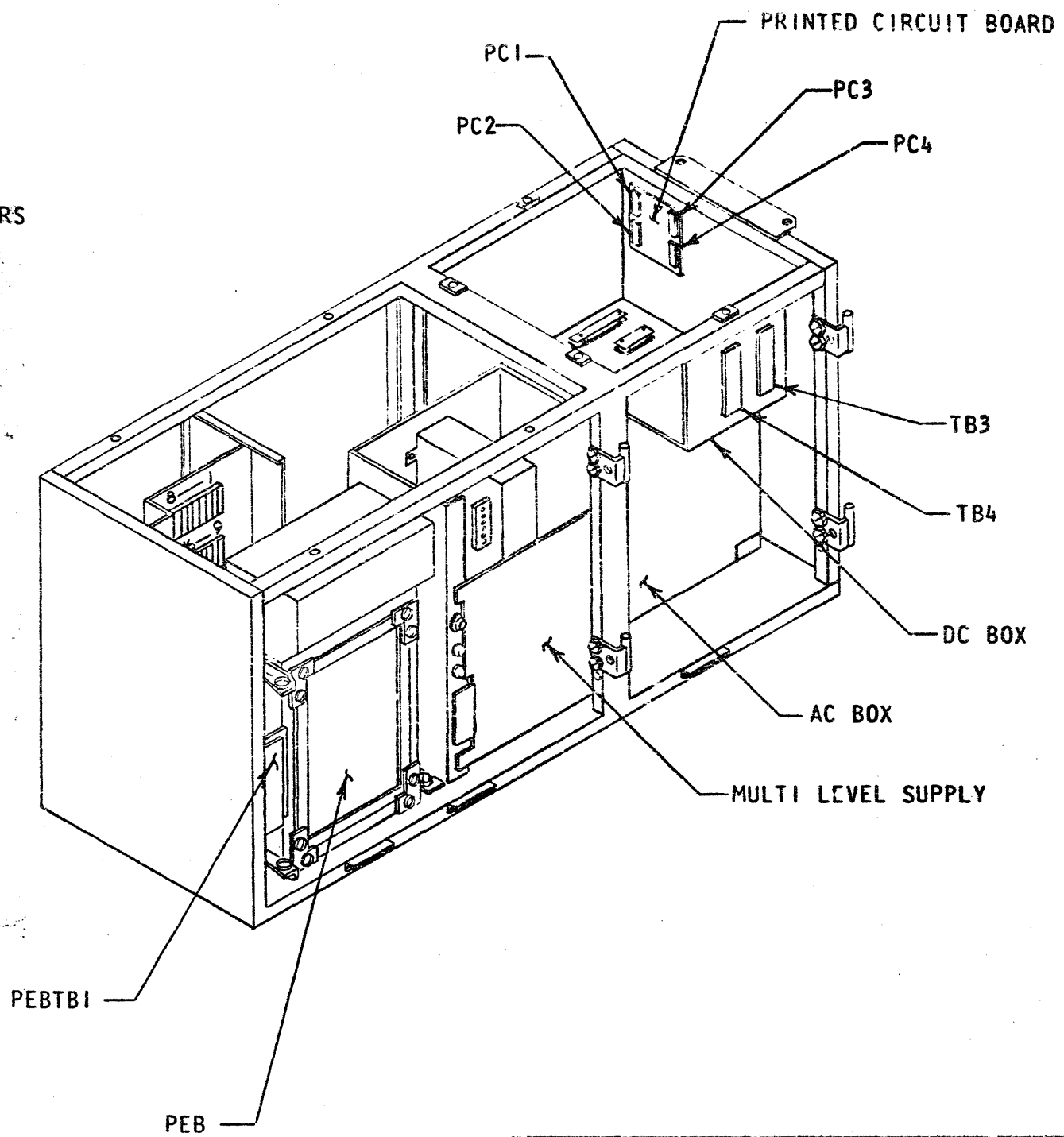
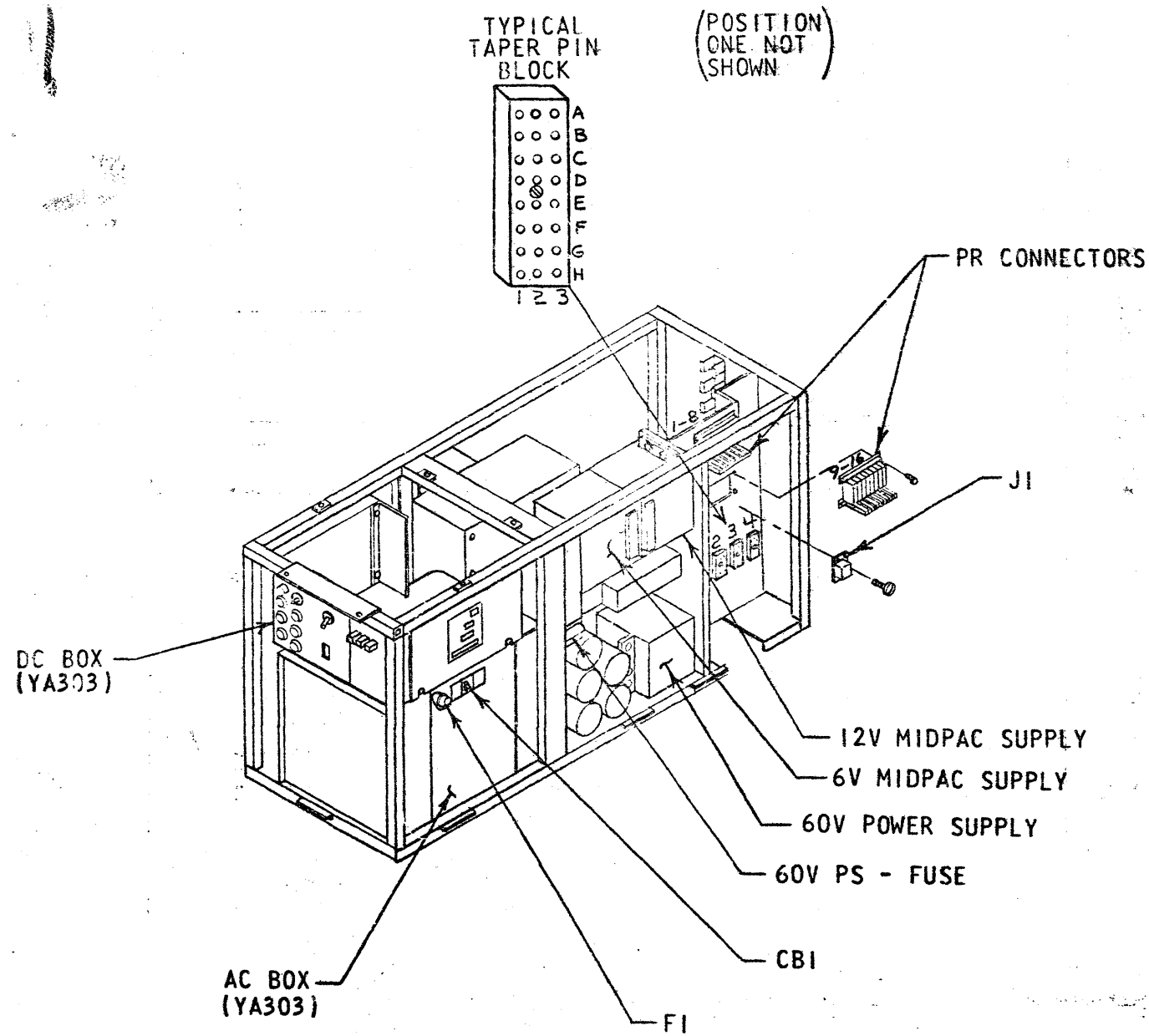
DC BOX

AC BOX



EC HISTORY		DRAWING TITLE	
17MAY71	818806	AC AND DC BOX LAYOUT (REF)	
29 JUL 71	818816	MACH	5421
26 AUG 71	818818	PART NO	7369866
9 JUN 72	818832	CLASSIFICATION	
		FLB	5 MAY 71

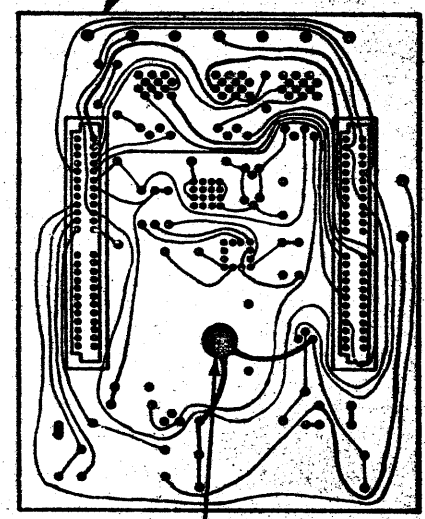
**IBM** CORP  
Y A 3 0 3



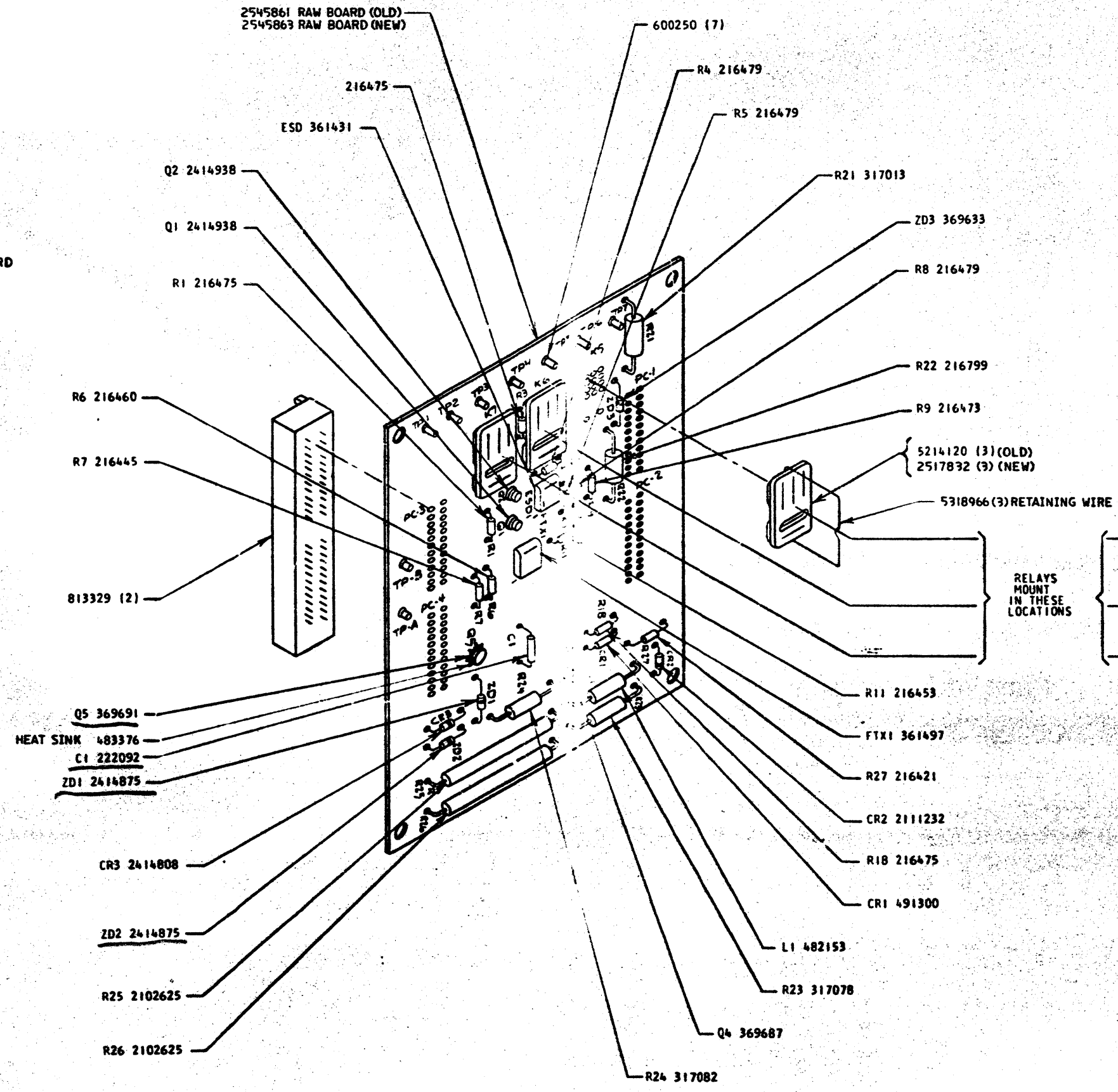
EC HISTORY		DRAWING TITLE	
17 MAY 71	818806E	5421 LAYOUT (REF)	
29 JUL 71	818816	MACH	5421
26 AUG 71	818818	PART NO	7369867
C	CLASSIFICATION		IBM CORP
	RLB	5 MAY 71	

Y A 3 0 4

BACK VIEW OF 5421 PC BOARD



ADDED CAPACITOR  
P/N 5213736  
SEE YA 406



RELAYS MOUNT IN THESE LOCATIONS

- K5 767031
- K6 2513155
- K7 767037

YA305

YA305

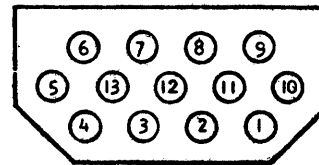
EC HISTORY		DRAWING TITLE	
SEE EC	HISTORY	PRINTED CIRCUIT BOARD (REF)	
2 JUN 77	571694	MACH	5421
27 JAN 78	572326	PART NO	7369868
D	CLASSIFICATION		IBM CORP
	RLB	5 MAY 78	

J1 POWER PLUG 60 HZ

POWER PLUG PIN ASSIGNMENT			
PIN NO.	PAGE NO.	VOLTAGE OR CONTROL	1403 PAGE NO.
1	YA312	AC COMMON CONV OUTLET	00.03.1
2	YA312	115V 50 HZ CONV OUTLET	00.03.1
3	YA312	FRAME BOND	00.03.1
4			
5			
6			
7			
8	YA312	208/230V 02 CHAIN/TRAIN MTR	00.03.1
9	YA312	208/230V 03 CHAIN/TRAIN MTR	00.03.1
10			
11	YA312	208/230V 01 CARRIAGE MTR	00.03.1
12	YA312	208/230V 02 CARRIAGE MTR	00.03.1
13	YA312	208/230V 03 CARRIAGE MTR	00.03.1

J1 POWER PLUG 50 HZ

POWER PLUG PIN ASSIGNMENT			
PIN NO.	PAGE NO.	VOLTAGE OR CONTROL	1403 PAGE NO.
1	YA312	AC COMMON CONV OUTLET	00.03.1
2			
3	YA312	FRAME BOND	00.03.1
4			
5	YA312	220 VAC	00.03.1
6	YA312	220 VAC	00.03.1
7	YA312	220 VAC 50 HZ CONV OUTLET	00.03.1
8	YA312	220/380 VAC 02 CHAIN/TRAIN MTR	00.03.1
9	YA312	220/380 VAC 03 CHAIN/TRAIN MTR	00.03.1
10	YA312	220/380 VAC 01 CHAIN/TRAIN MTR	00.03.1
11	YA312	220/380 VAC 01 CARRIAGE MTR	00.03.1
12	YA312	220/380 VAC 02 CARRIAGE MTR	00.03.1
13	YA312	220/380 VAC 03 CARRIAGE MTR	00.03.1



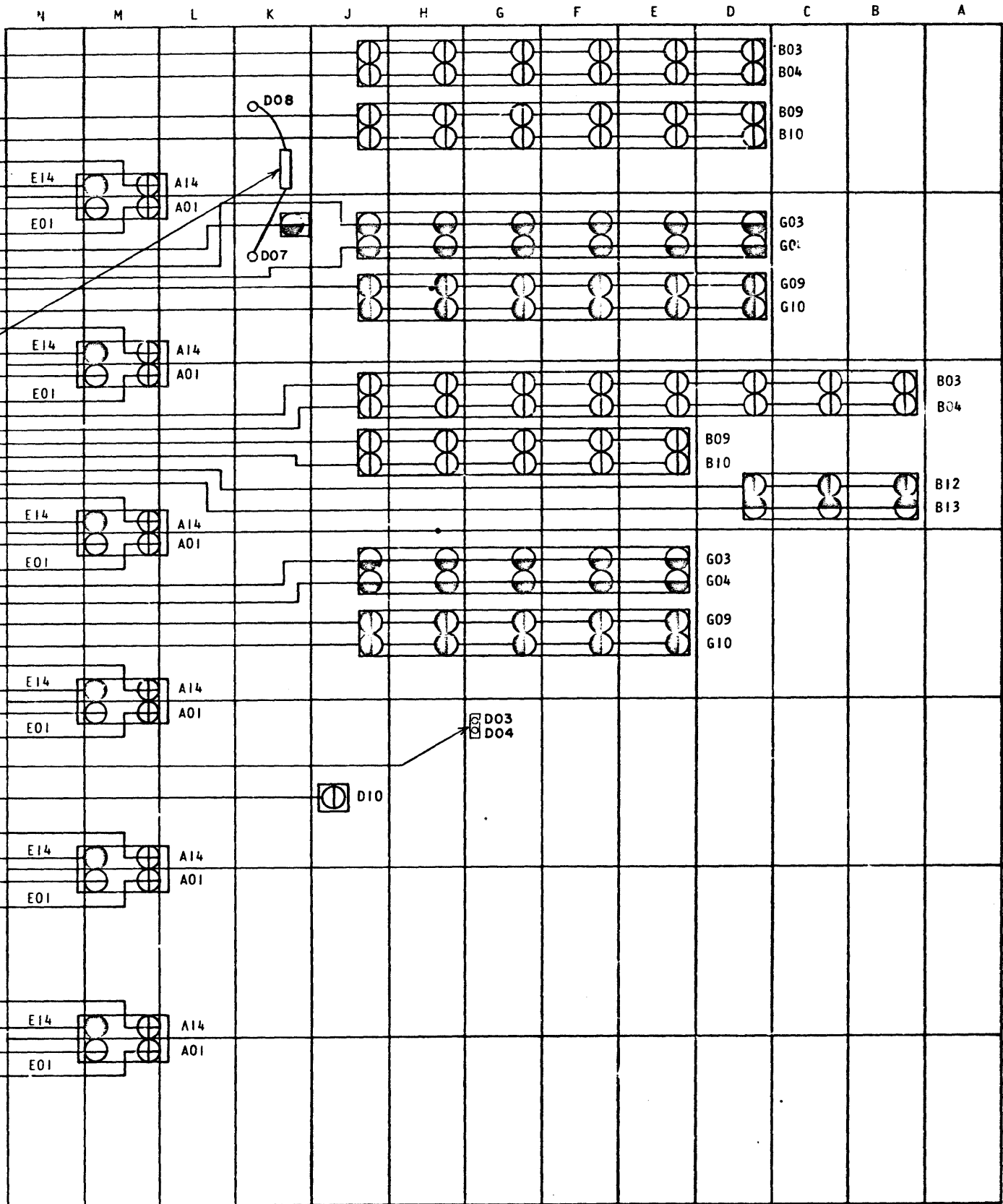
PIN LAYOUT

EC HISTORY		DRAWING TITLE	
17MAY71	EISSCGE	50 - 60 HZ POWER PLUGS (REF)	
		MACH	5421
		PART NO	7369869
C		CLASSIFICATION	IBM CORP
		RLB 5MAY 71	

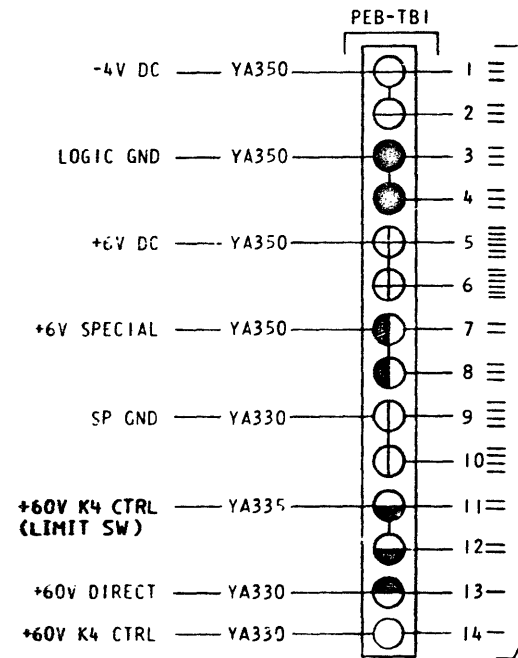
Y A 3 0 6

MINIBUS DISTRIBUTION

BOARD O1A-A1  
PIN SIDE



PRINTER ELECTRONICS BOARD (PEB)  
VOLTAGE DISTRIBUTION VIA CABLE MINIBUS  
AND INTERNAL PLANES



- PEB - TB1-5 SP GND
- PEB - TB1-9 SP GND
- PEB - TB1-9 SP GND
- PEB - TB1-5 +6 V
- PEB - TB1-3 LOGIC GND
- PEB - TB1-1 -4V
- PEB - TB1-5 +6V
- PEB - TB1-14+60 K4
- PEB - TB1-11+60 CTRL
- PEB - TB1-7 +6 SP
- PEB - TB1-7 +6 SP
- PEB - TB1-5 +6V
- PEB - TB1-3 LOGIC GND
- PEB - TB1-1 -4V
- PEB - TB1-5 +6V
- PEB - TB1-10SP GND
- PEB - TB1-10SP GND
- PEB - TB1-10SP GND
- PEB - TB1-8 +6 SP
- PEB - TB1-13+60 DIR
- PEB - TB1-8 +6V
- PEB - TB1-3 LOGIC GND
- PEB - TB1-1 -4V
- PEB - TB1-5 +6V
- PEB - TB1-12+60 CTRL
- PEB - TB1-8 +6 SP
- PEB - TB1-8 +6 SP
- PEB - TB1-6 +6V
- PEB - TB1-4 LOGIC GND
- PEB - TB1-2 -4V
- PEB - TB1-6 +6V
- PEB - TB1-10 K4SPGND
- PEB - TB1-6 +6V
- PEB - TB1-4LOGIC GND
- PEB - TB1-2-4V
- PEB - TB1-6+6V
- PEB - TB1-6 +6V
- PEB - TB1-4LOGIC GND
- PEB - TB1-2 -4V
- PEB - TB1-6 +6V

7369918  
NOTE [2]

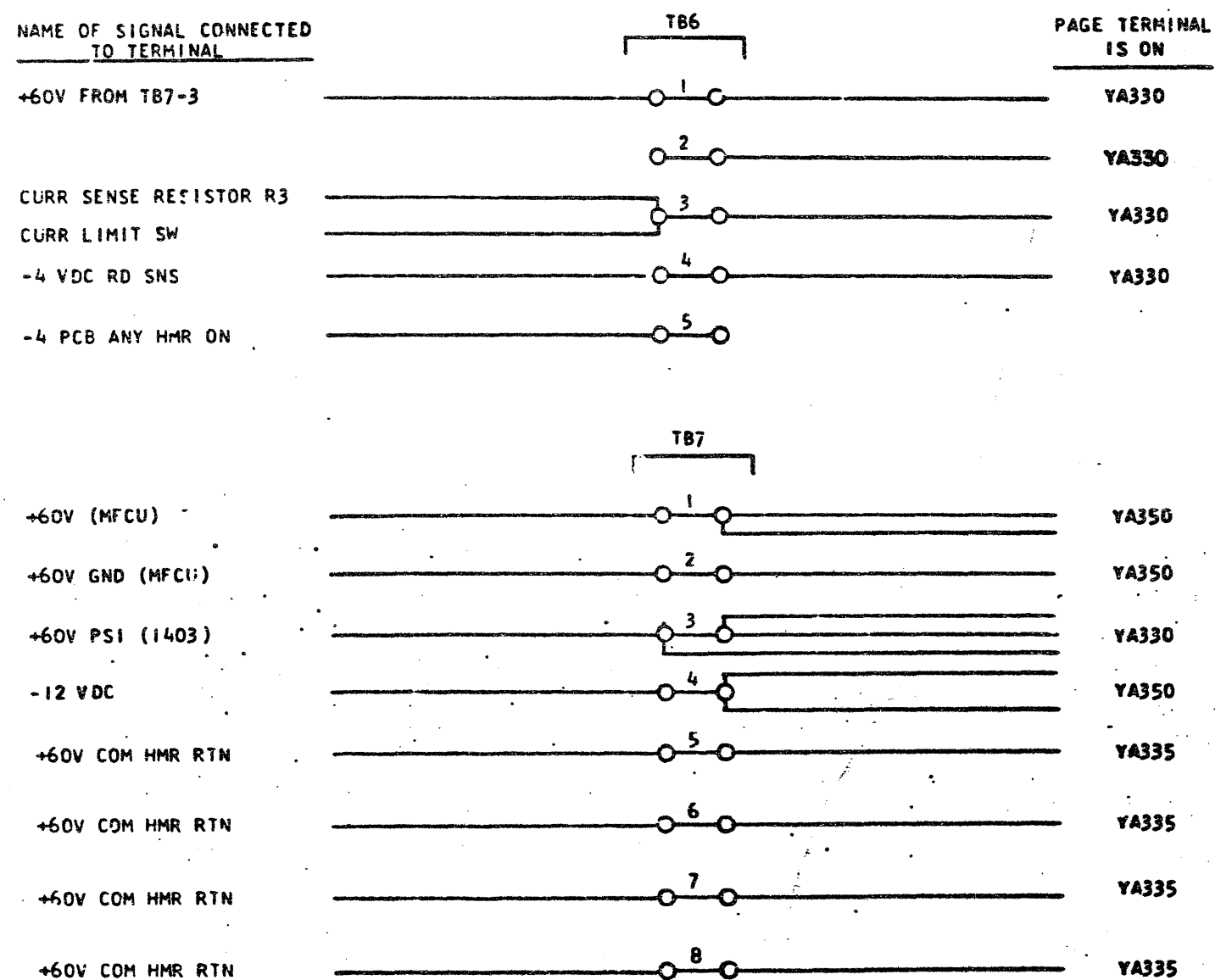
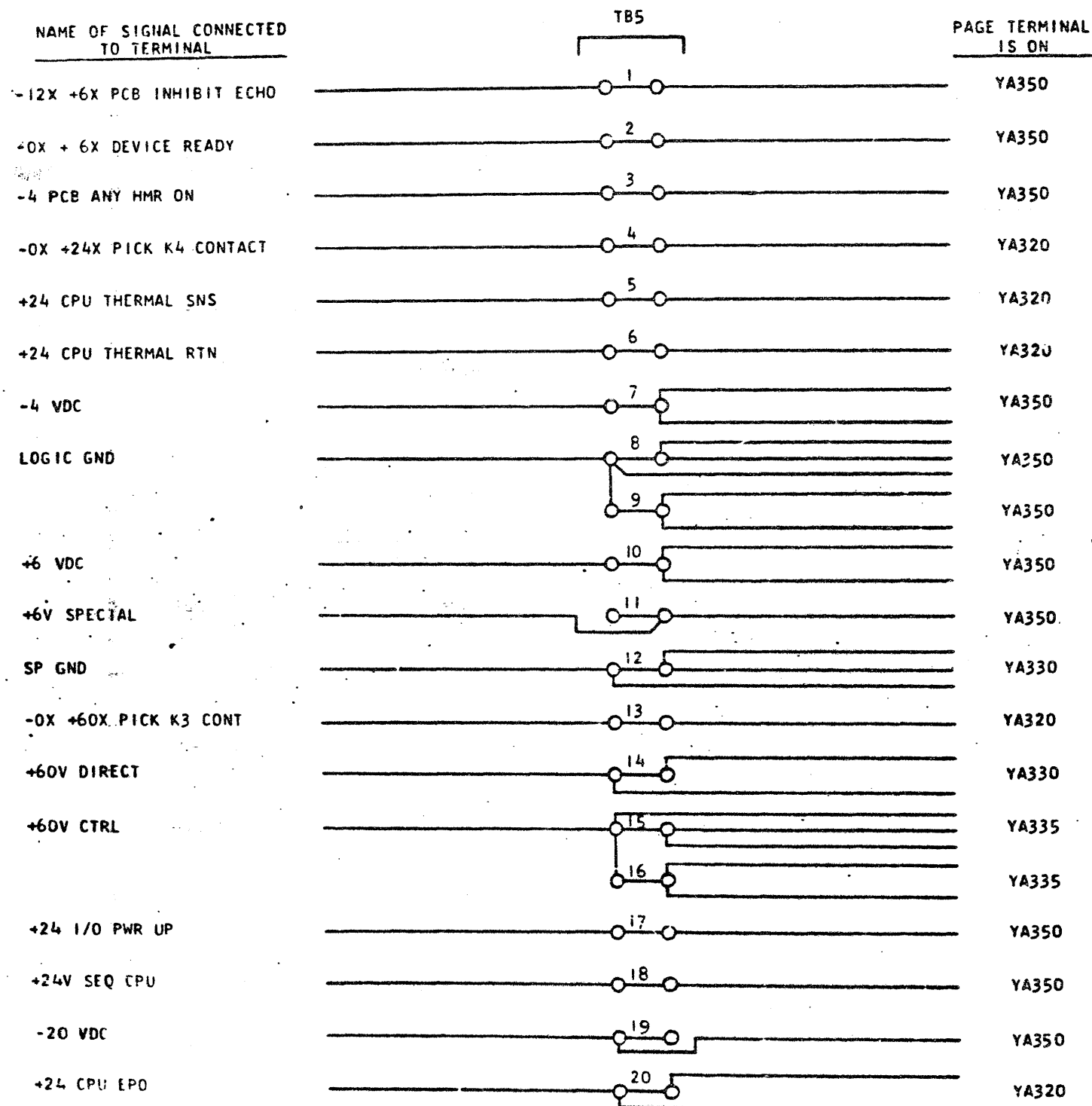
811090  
NOTE [1]

INTERNAL PLANE DISTRIBUTION  
LOGIC VOLTAGES ARE SERVICED TO THE BOARD VIA THE  
CROSSOVER CONNECTORS IN THE "M" COLUMN

- VOLTAGE TO BOARD PIN RELATIONSHIPS
- LOGIC GND - TO ALL D08 BOARD PINS
  - ⊕ +6V DC - TO ALL D03 BOARD PINS EXCEPT IN COLUMNS A & N
  - ⊕ +6V DC - TO ALL B11 BOARD PINS EXCEPT IN COLUMNS A & N
  - ⊖ -4V DC - TO ALL B06 BOARD PINS EXCEPT IN COLUMNS A & N

NOTES  
[1] LOCATOR 811090 MUST BE PLUGGED ONTO PINS G5D03 AND G5D04  
[2] CAPACITOR ASM 7369918 MUST BE INSTALLEED ON PINS K2D07 AND K1D08

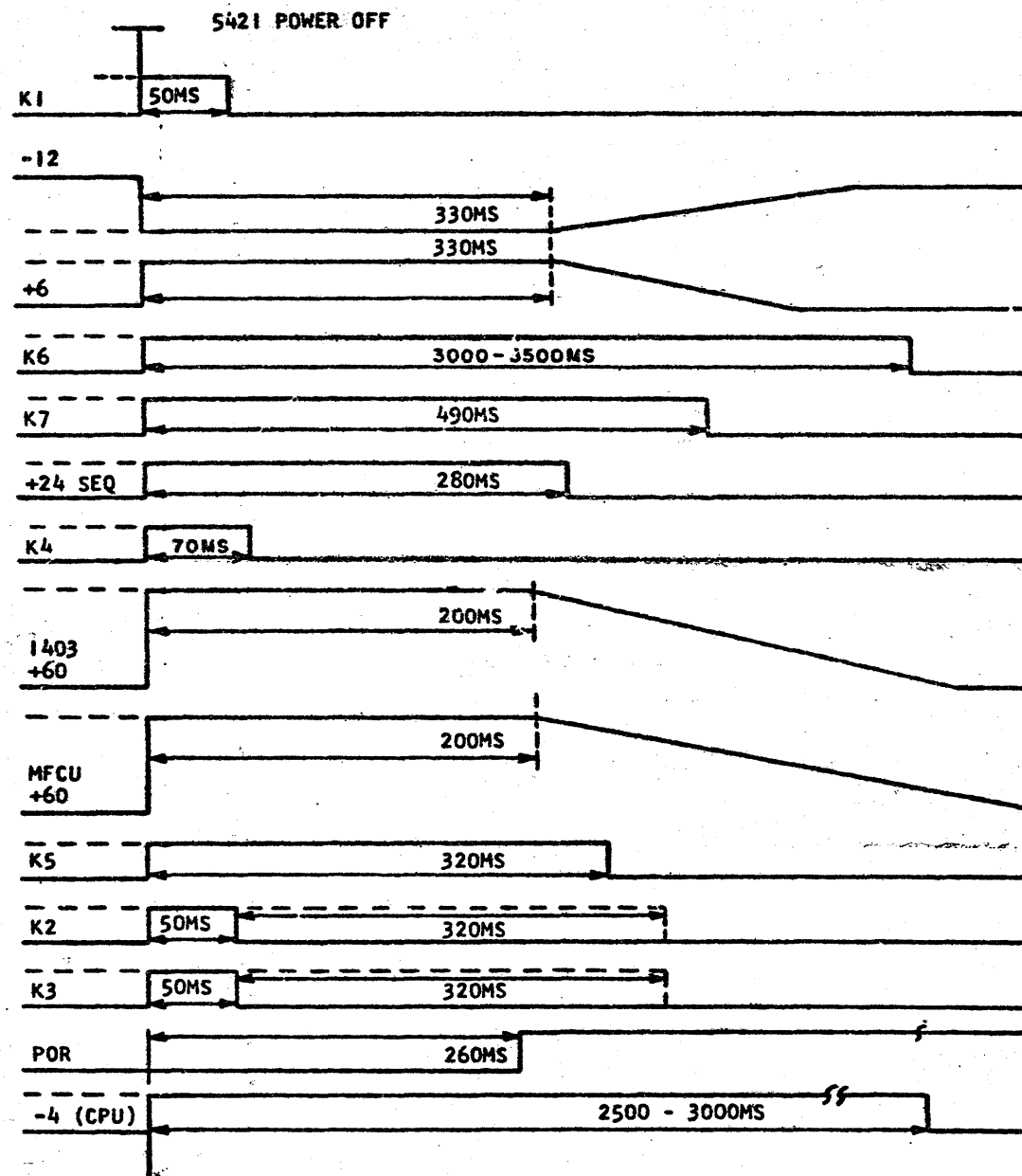
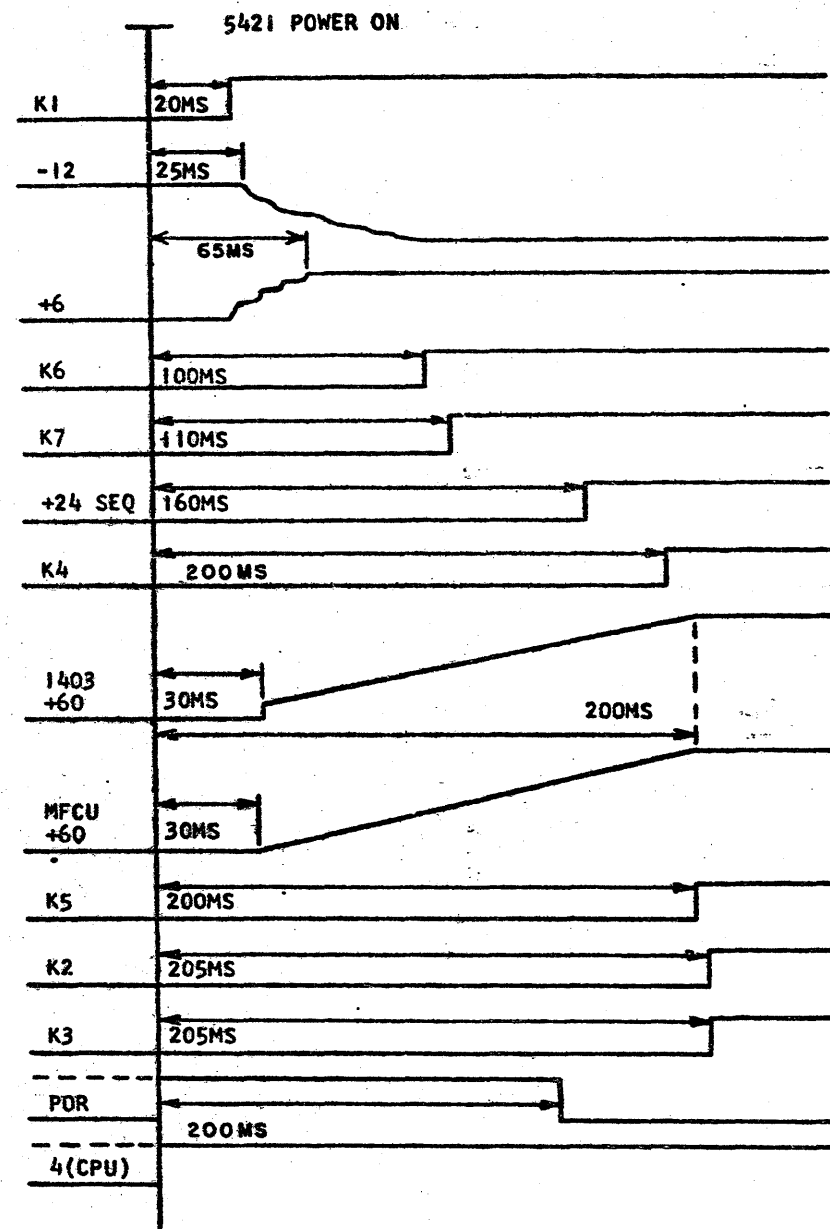
EC HISTORY		DRAWING TITLE	
17MAY 71	818806E	PEB VOLTAGE DISTRIBUTION	
20JUL 71	818812	MACH	5421
20AUG 71	818818	PART NO	7369911
25FEB 72	818828	CLASSIFICATION	IBM CORP
9JUN 75	572256	RLB SMAY 71	



EC HISTORY		DRAWING TITLE	
17MAY71	818828	TERMINAL BLOCKS 5, 6, 7 (REF)	
25FEB72	818828	MACH	5421
		PART NO	7369912
C		CLASSIFICATION	
		RLB	5 MAY 71

Y A 3 0 8





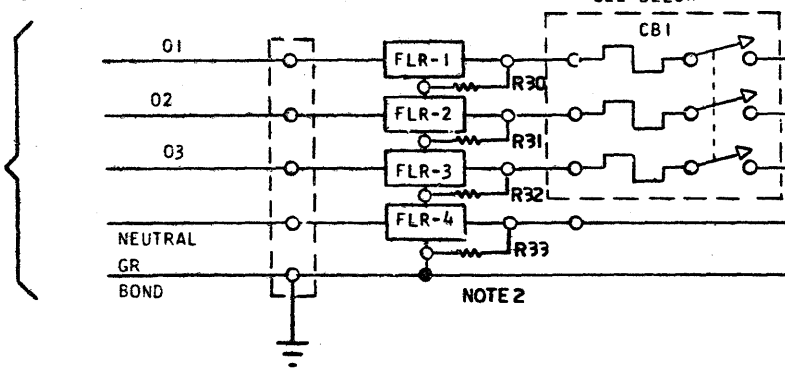
NOTE: TIMES SHOWN ARE IN MILL SEC AND USED FOR REF ONLY.

EC HISTORY		DRAWING TITLE	
17MAY71	818806E	TIMING CHART (REF)	
9JUN72	818832	MACH	5421
		PART NO 7369913	
C	CLASSIFICATION		IBM CORP
	RLB	5 MAY 71	

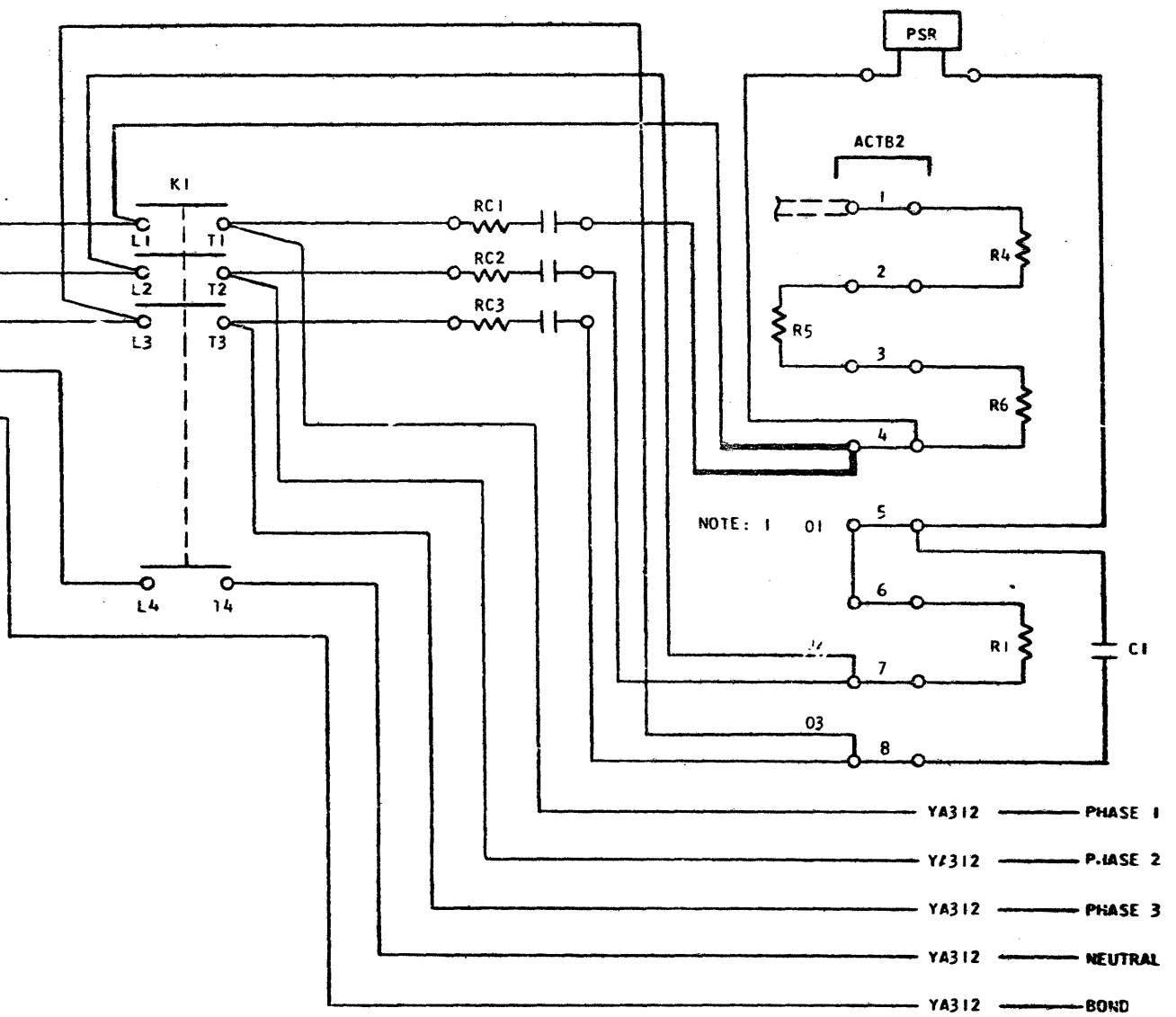
4310

COUNTRY	GND	NEU	O1	O2	O3
JAPAN	GREEN	-	BLACK	WHITE	RED
WT EXCEPT JAPAN	GN/YEL	LIGHT BLUE	BROWN	BLACK	BLACK
NOTE 3	GN/YEL	BLUE	BLACK	WHITE	RED

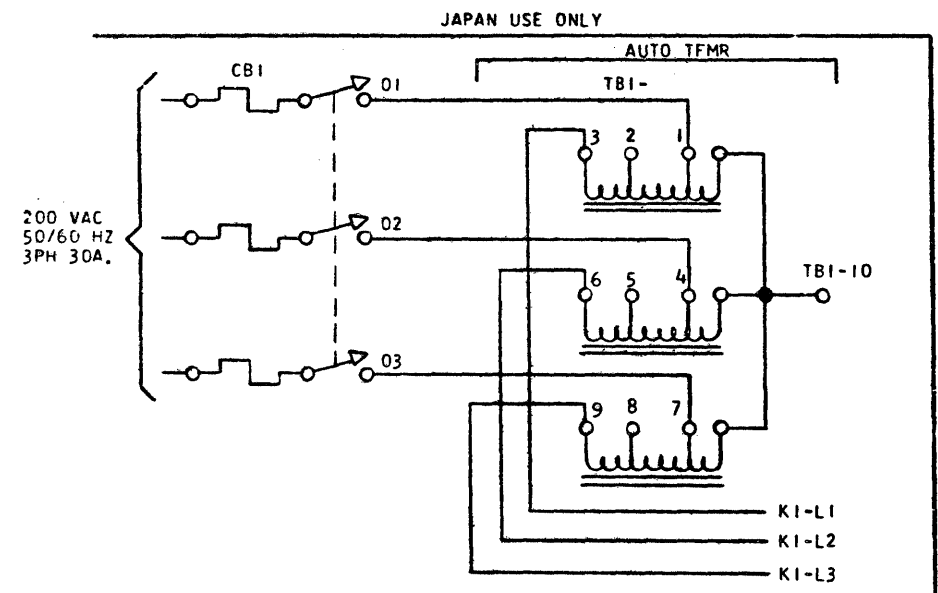
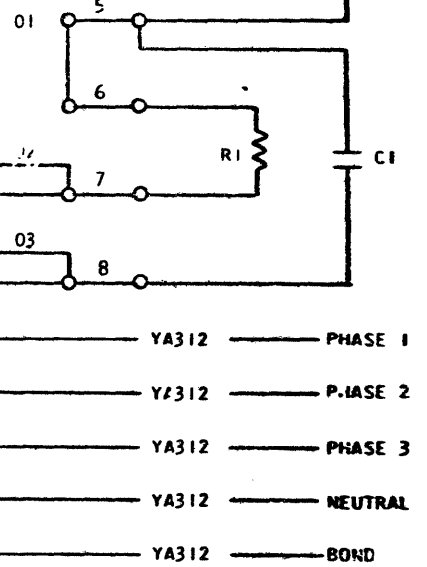
LINE CORD 2  
220/235 VAC  
380/408 VAC  
3PH 50 HZ  
30 AMP



SEE BELOW



NOTE: 1

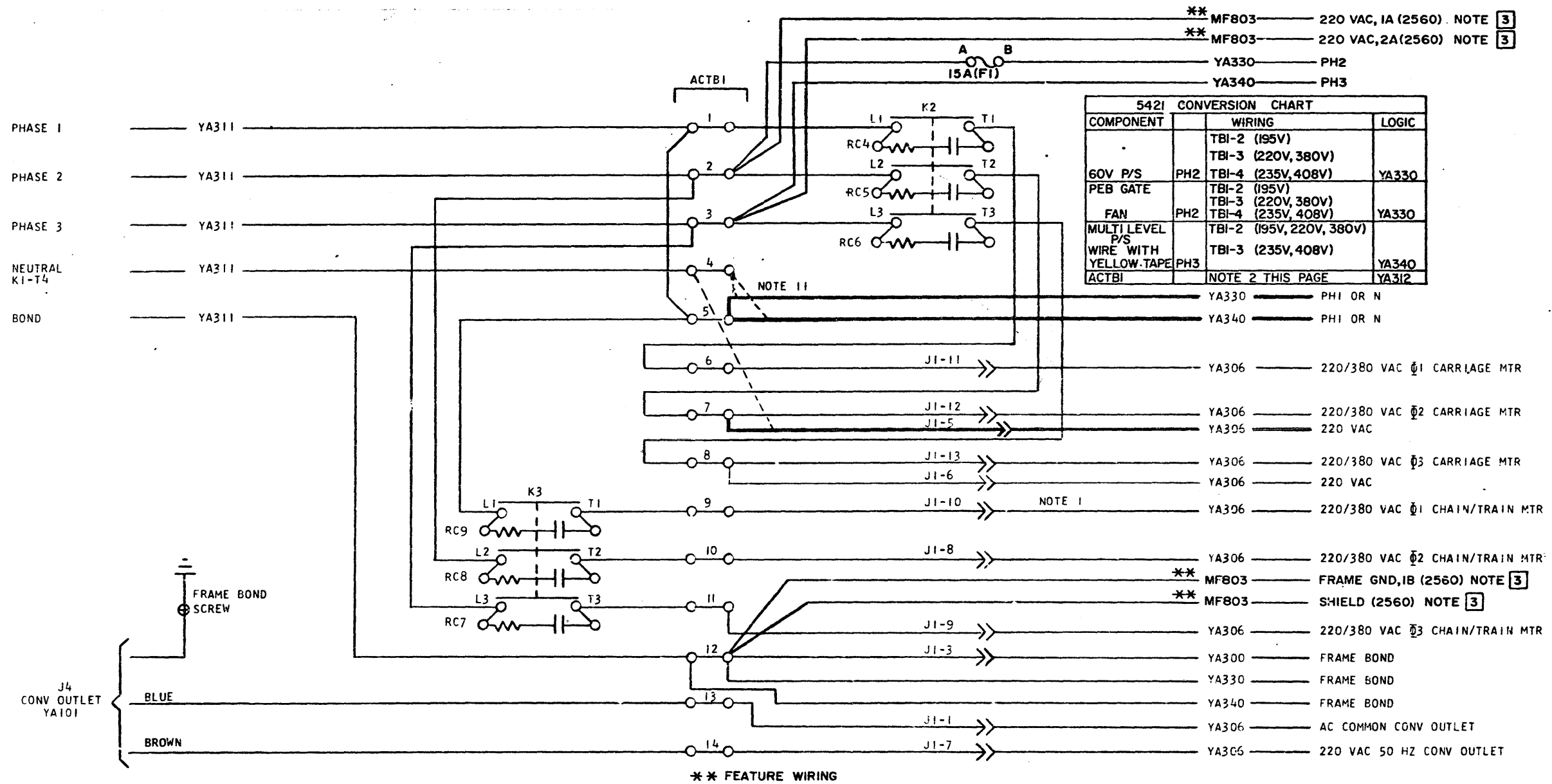


AUTO TFMR DATA			
INPUT		OUTPUT	
VOLTS	TERMINALS	VOLTS	TERMINALS
200V 60 HZ	1, 4, 7	208V 60 HZ	2, 5, 8
200V 50 HZ	1, 4, 7	220V 50 HZ	3, 6, 9

- NOTES:
- 1 FOR 380/408 VAC INPUT REMOVE HEAVY DRAWN LINES FROM ACTB2-4 AND WIRE TO ACTB2-1.
  - 2 RESISTORS R30, 31, 32 & 33 PRESENT ONLY ON MACHINES WITH EC 577137.
  - 3 UK, AUSTRALIA, NEW ZEALAND WITH EARLY PRODUCTION LINE CORD

EC HISTORY		DRAWING TITLE	
17 MAY 71	818806E	AC CONTROL 50 HZ	
10 SEP 73	577137	MACH	5421
3 APR 75	571760	PART NO	7369851
C		CLASSIFICATION	IBM CORP
		RLB	5 MAY 74

Y A 3 1 1



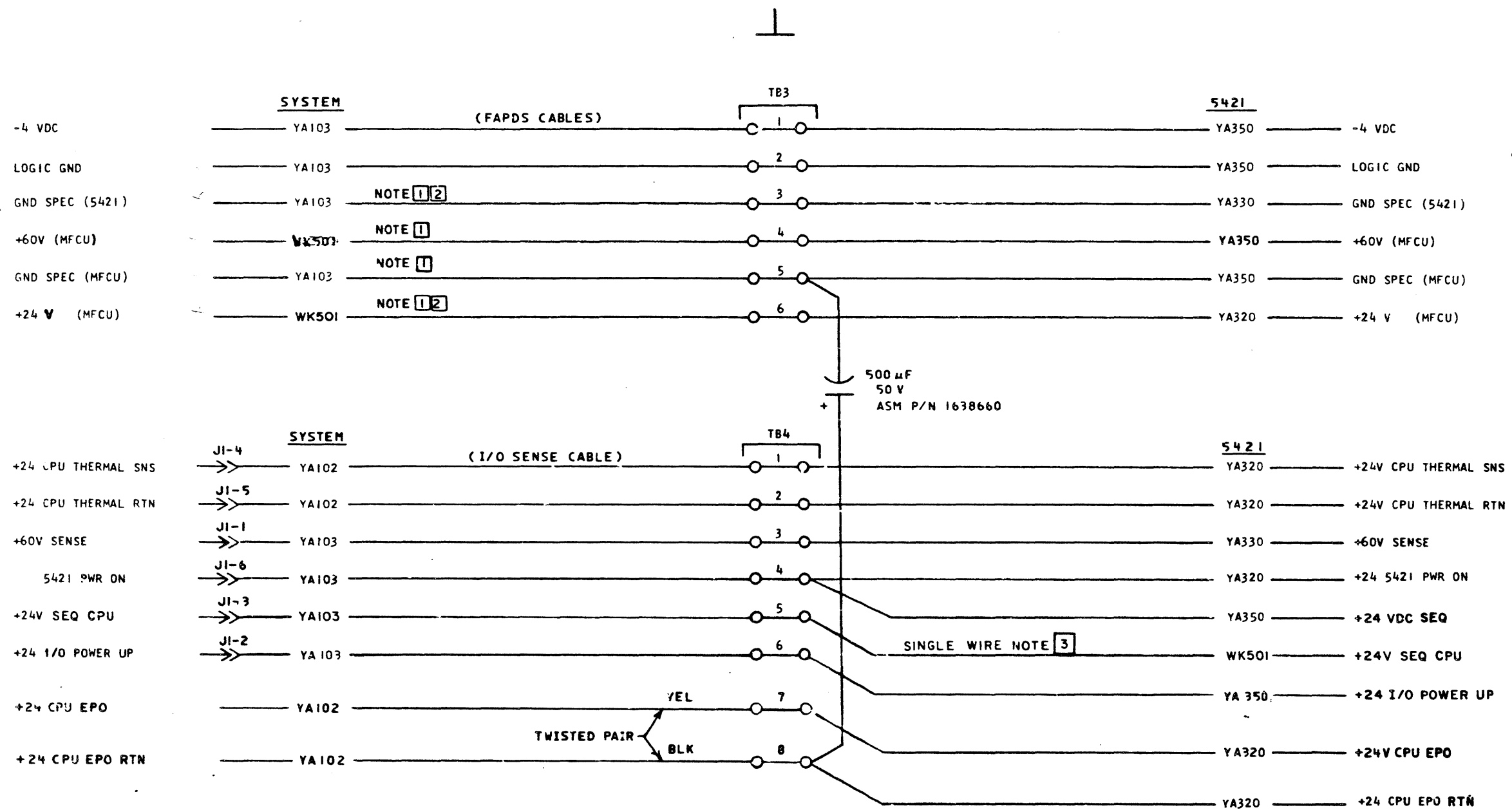
NOTES:

- 1 MODEL N1 ONLY.
- 2 HEAVY LINES INDICATE WIRES TO BE MOVED TO ACTB1-4 FOR 380/408 VAC.
- 3 WHEN SYSTEM IS POWERED BY 200VAC 50 HZ SERVICE, PRIMARY POWER FOR 2560 IS FROM 5421, ON ALL OTHER 50 HZ VOLTAGES 2560 PRIMARY POWER IS FROM 5415

EC HISTORY		DRAWING TITLE	
17MAY71	815806E	AC CONTROL 50 HZ	
29JUL71	818816	MACH	5421
16OCT72	818834	PART NO	7369853
21NOV73	572203	CLASSIFICATION	
		RLB	5 MAY 72

**IBM CORP**

Y A 3 1 2

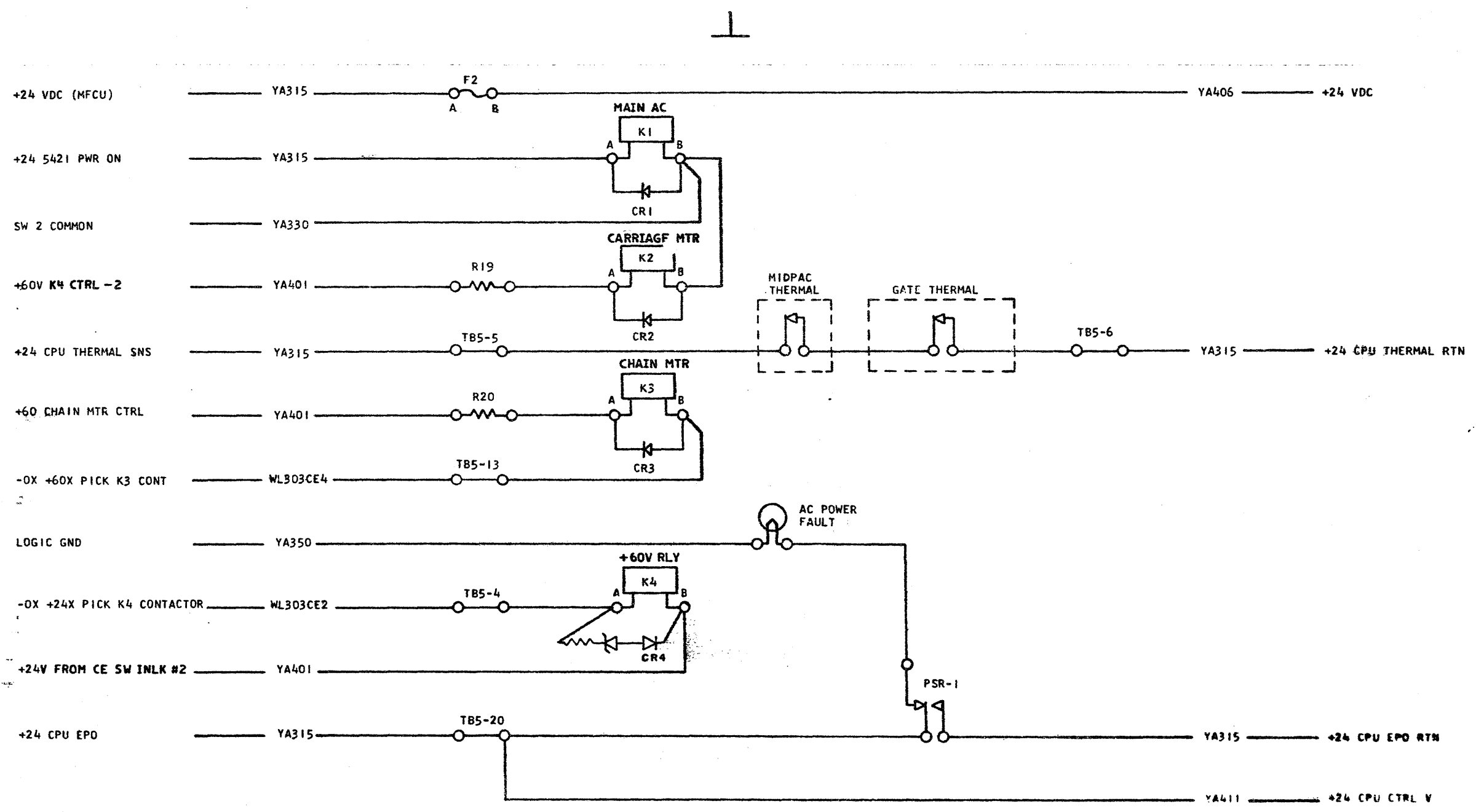


NOTES:

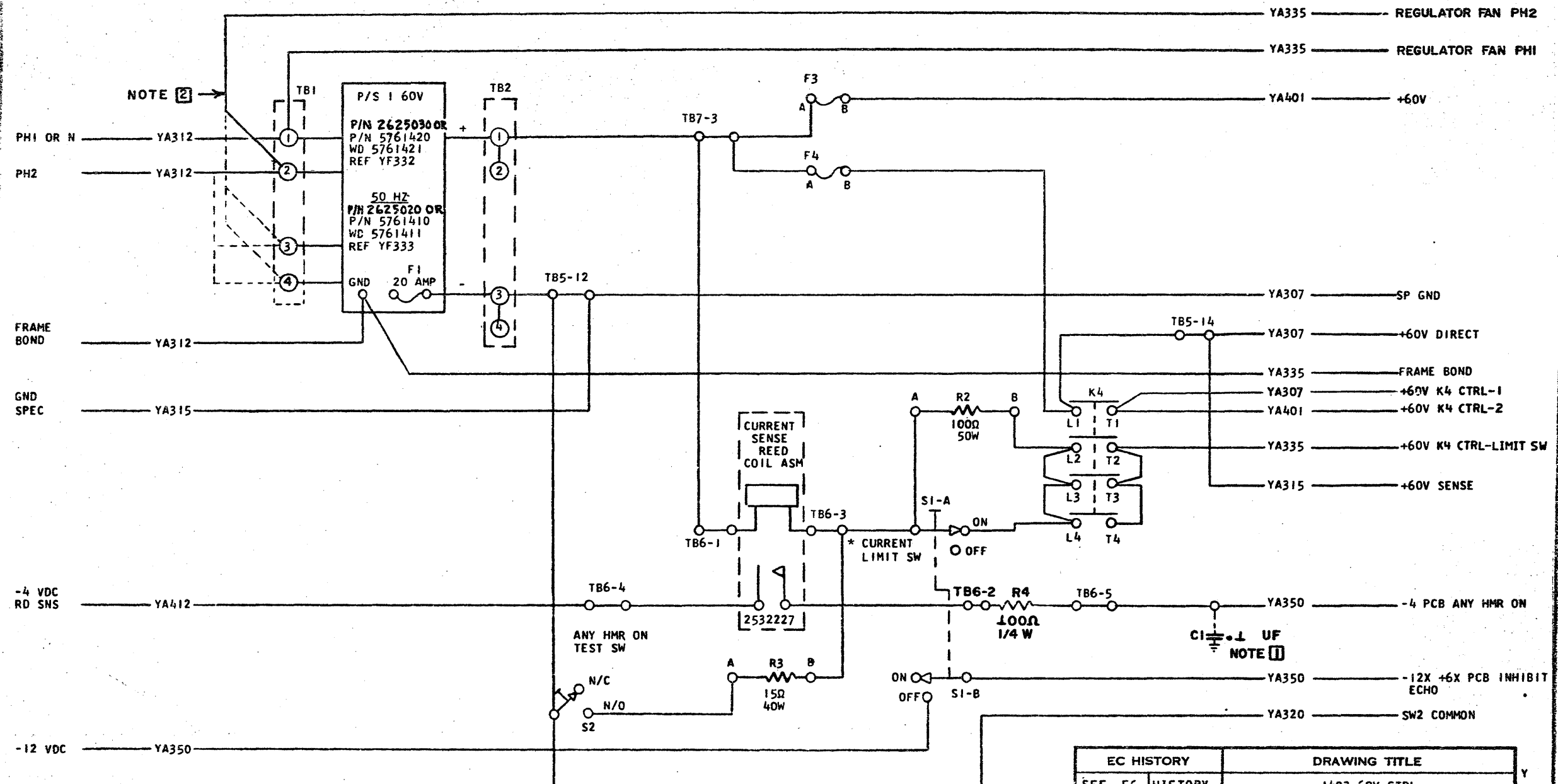
- 1 WHEN 5422 OR 5424 IS INSTALLED, THIS LEAD IS PART OF CABLE P/N 2454634
- 2 WHEN 5422 OR 5424 IS NOT INSTALLED, THIS LEAD IS PART OF CABLE P/N 5558753
- 3 THIS SINGLE WIRE CABLE P/N 2589251 IS INSTALLED ONLY WHEN 5422 OR 5424 IS INSTALLED

EC HISTORY		DRAWING TITLE	
SEE EC	HISTORY	DC POWER INTERFACE	
8 AUG 75	572256	MACH	5421
23 AUG 76	571937	PART NO	7369854
7 JUN 77	571694	CLASSIFICATION	
3 FEE 78	572316	RLB	5 MAY 74

**IBM CORP**  
Y A 3 1 5



EC HISTORY		DRAWING TITLE	
17MAY71	818806	1403 MOTOR CTRL	
29JUL71	818816	MACH	5421
9JUN72	818832	PART NO	7369855
9JUN75	572256	CLASSIFICATION	IBM CORP
2JUN77	571694	RLR	



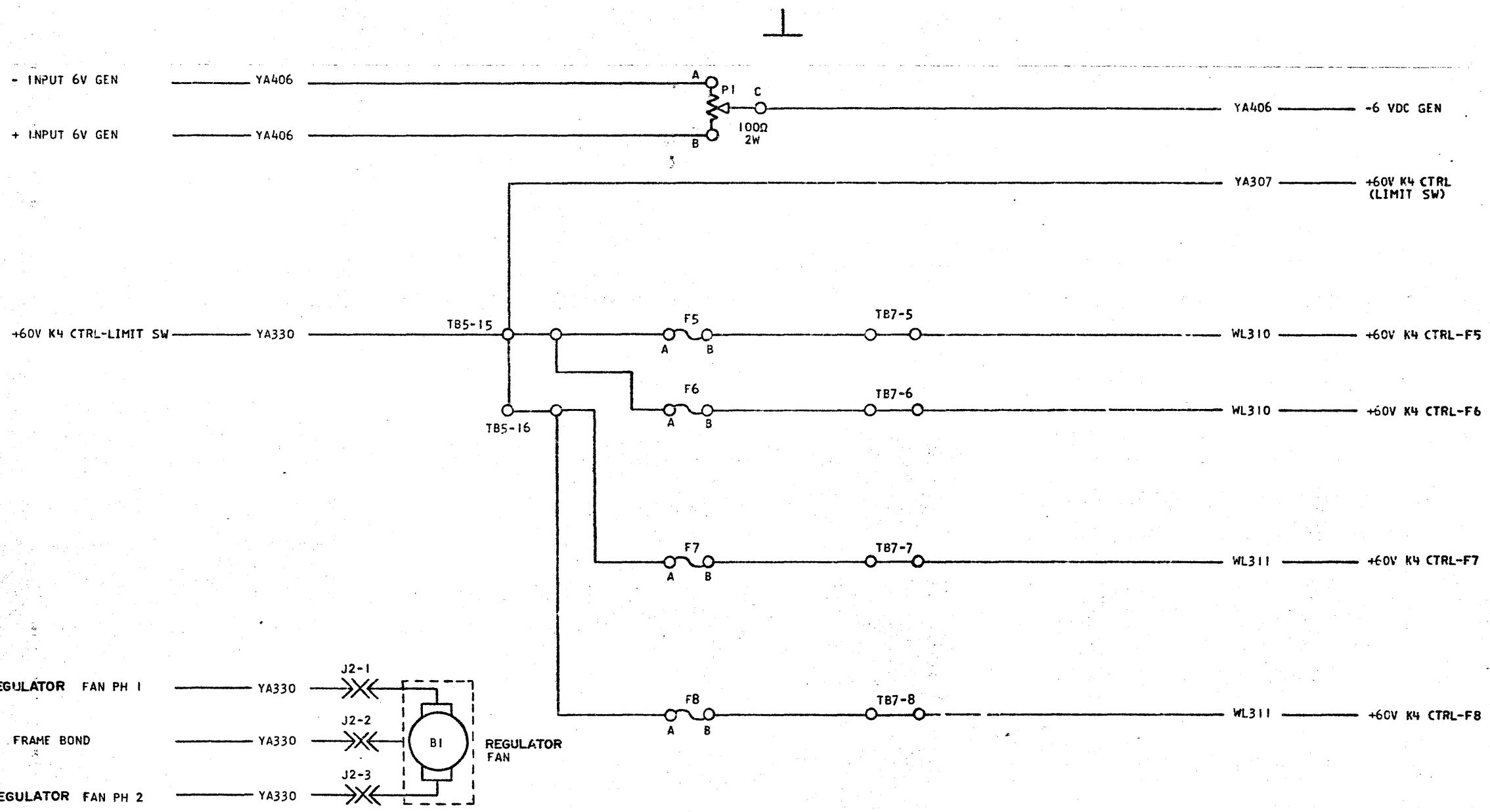
NOTES:

- 1 CAPACITOR LOCATED ON PEB BOARD.
- 2 MOVE WIRE FROM TBI-2 TO TBI-3 WHEN INPUT IS 230 VAC 60HZ OR 220 VAC 50HZ. IF INPUT IS 235 VAC 50HZ MOVE THEM TO TBI-4. THE CONNECTION SHOWN IN SOLID LINES IS FOR A 195 VAC 50HZ OR 208 VAC 60HZ INPUT.

\* SWITCH "ON" ALLOWS REGULAR PRINTING. SWITCH "OFF" LIMITS CURRENT TO INHIBIT PRINTING.

EC HISTORY		DRAWING TITLE	
SEE EC	HISTORY	1403 60V CTRL	
21 NOV 73	572203	MACH	5421
9 JUN 75	572256	PART NO	7369856
C	CLASSIFICATION		IBM CORP
	RLB	5 MAY 71	

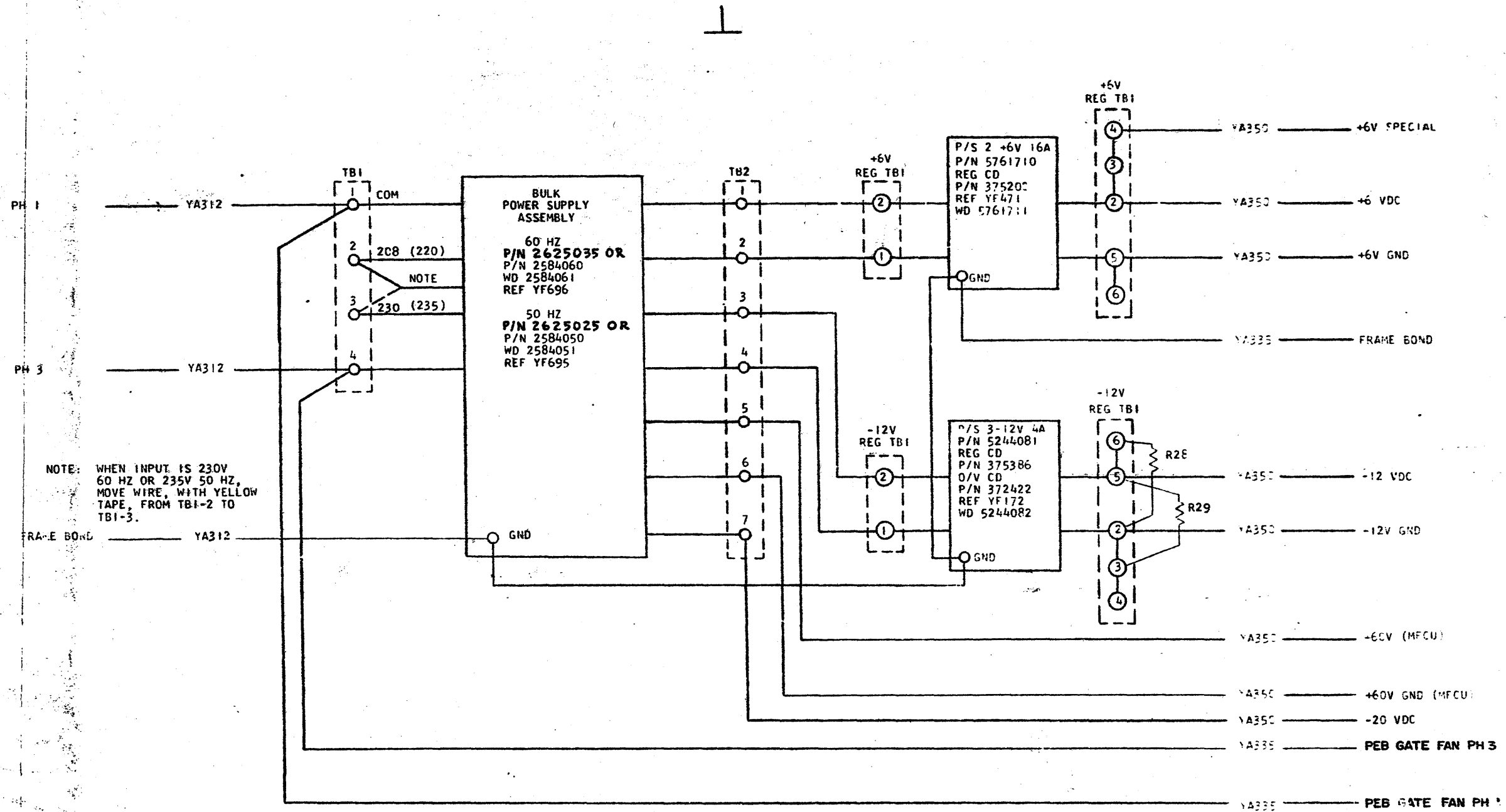
Y A 3 3 0



EC HISTORY		DRAWING TITLE	
17MAY71	ELBEOGE	-6V GEN, 60V RTN, AC BLOWERS	
21 NOV 73	572203	MACH	5421
9 JUN 75	572256	PART NO 7369857	
C		CLASSIFICATION	
		RLB	5MAY 74

**IBM** CORP

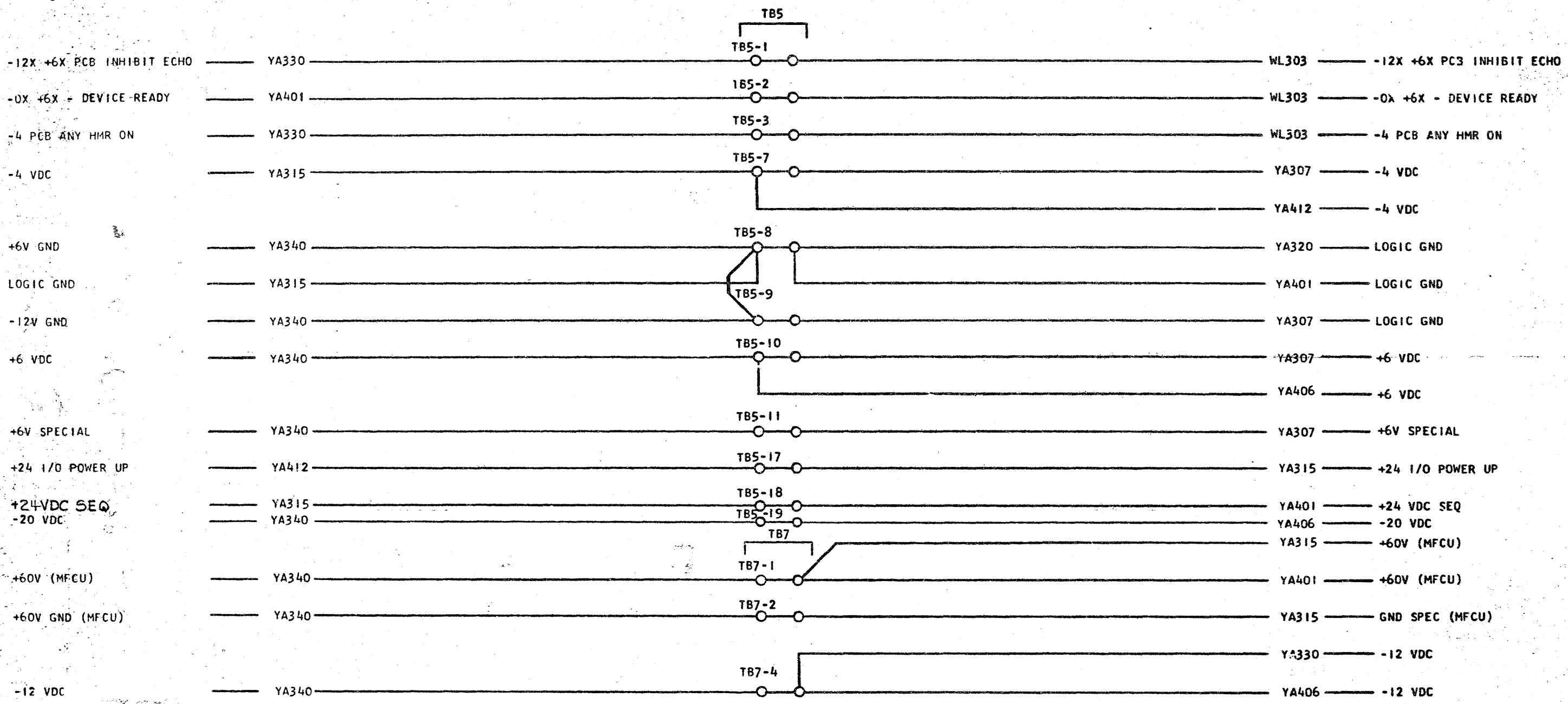
YA335



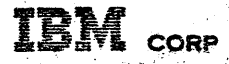
EC HISTORY		DRAWING TITLE	
17MAY71	81880E	6, 12, 20, 60V POWER SUPPLY	
26AUG71	81881E	MACH	5421
20FEB73	577095	PART NO	7369858
C	21NOV73	572203	CLASSIFICATION
			RLB 5MAY 74

**IBM** CORP  
YA 3 4 0

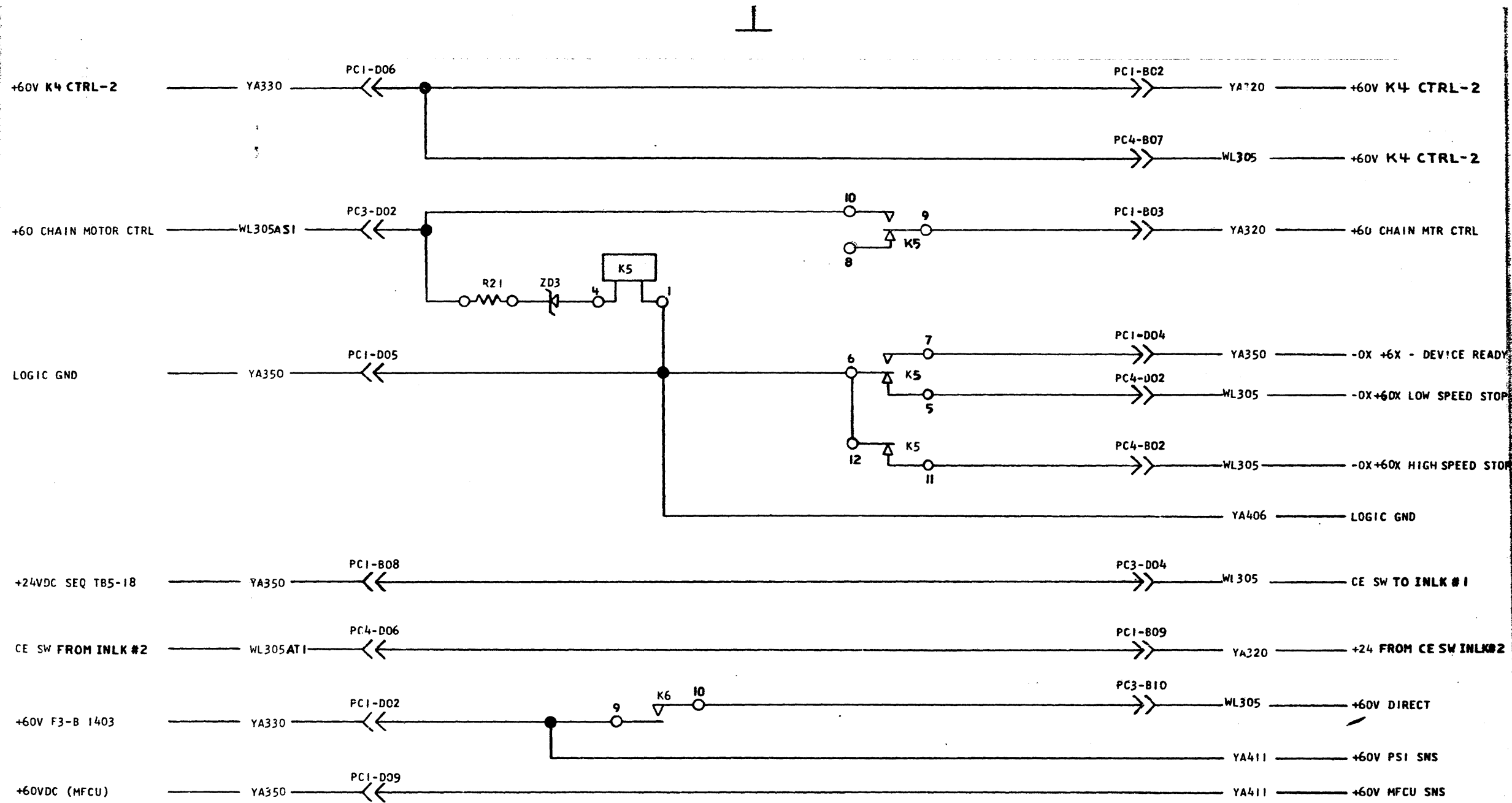




EC HISTORY		DRAWING TITLE	
17MAY71	818806	DC DISTRIBUTION	
20OCT71	818820	MACH	5421
		PART NO	7369859
C		CLASSIFICATION	
		RLB	5 MAY 71



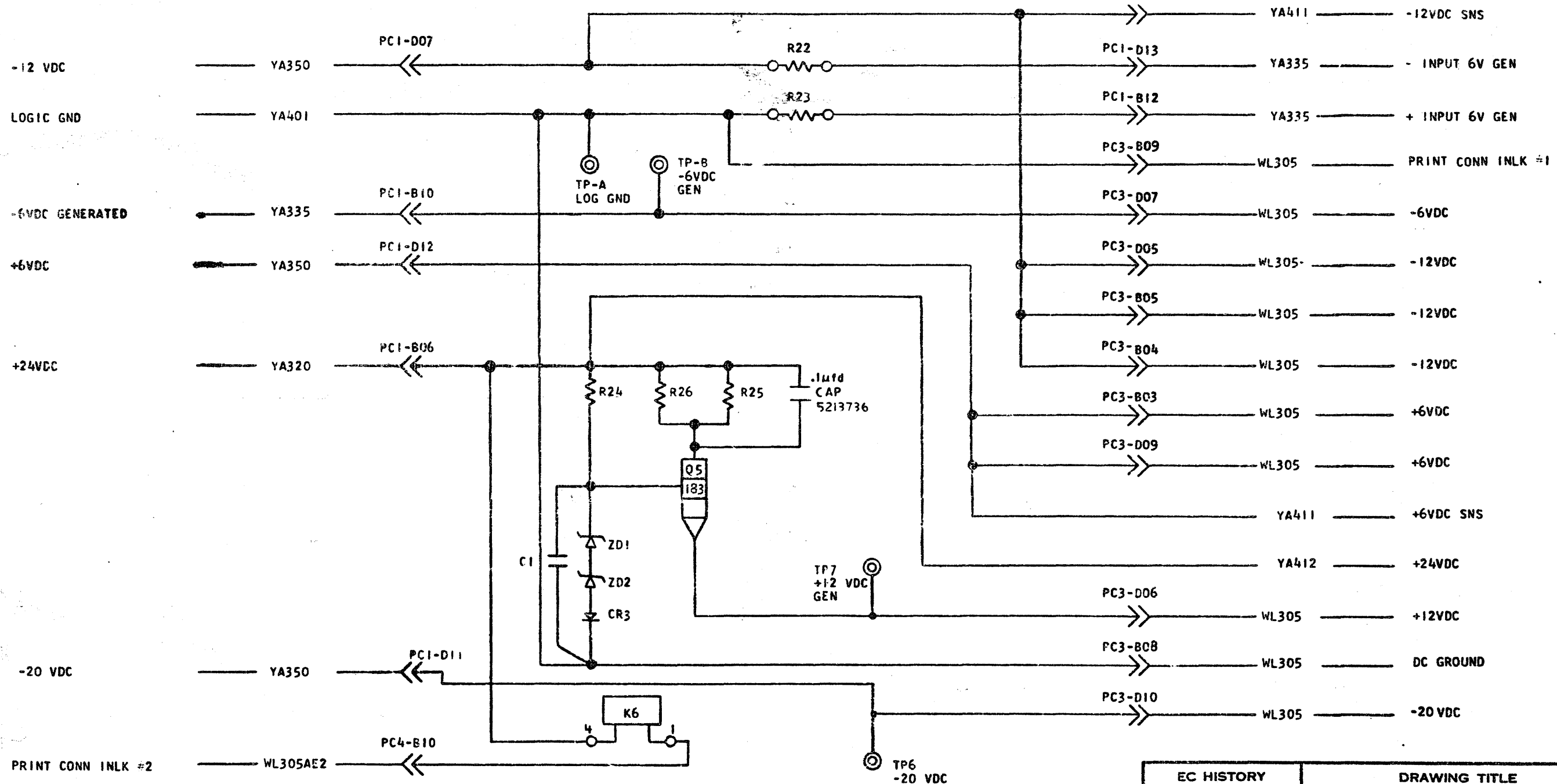
YA350



EC HISTORY		DRAWING TITLE	
17MAY71	818805E	VOLTAGE INLK	
29JUL71	818816	MACH	5421
12MAY72	818829	PART NO	7369860
21 NOV73	572203	CLASSIFICATION	<b>IBM</b> CORP
27 MAY 75	572256	RLB	

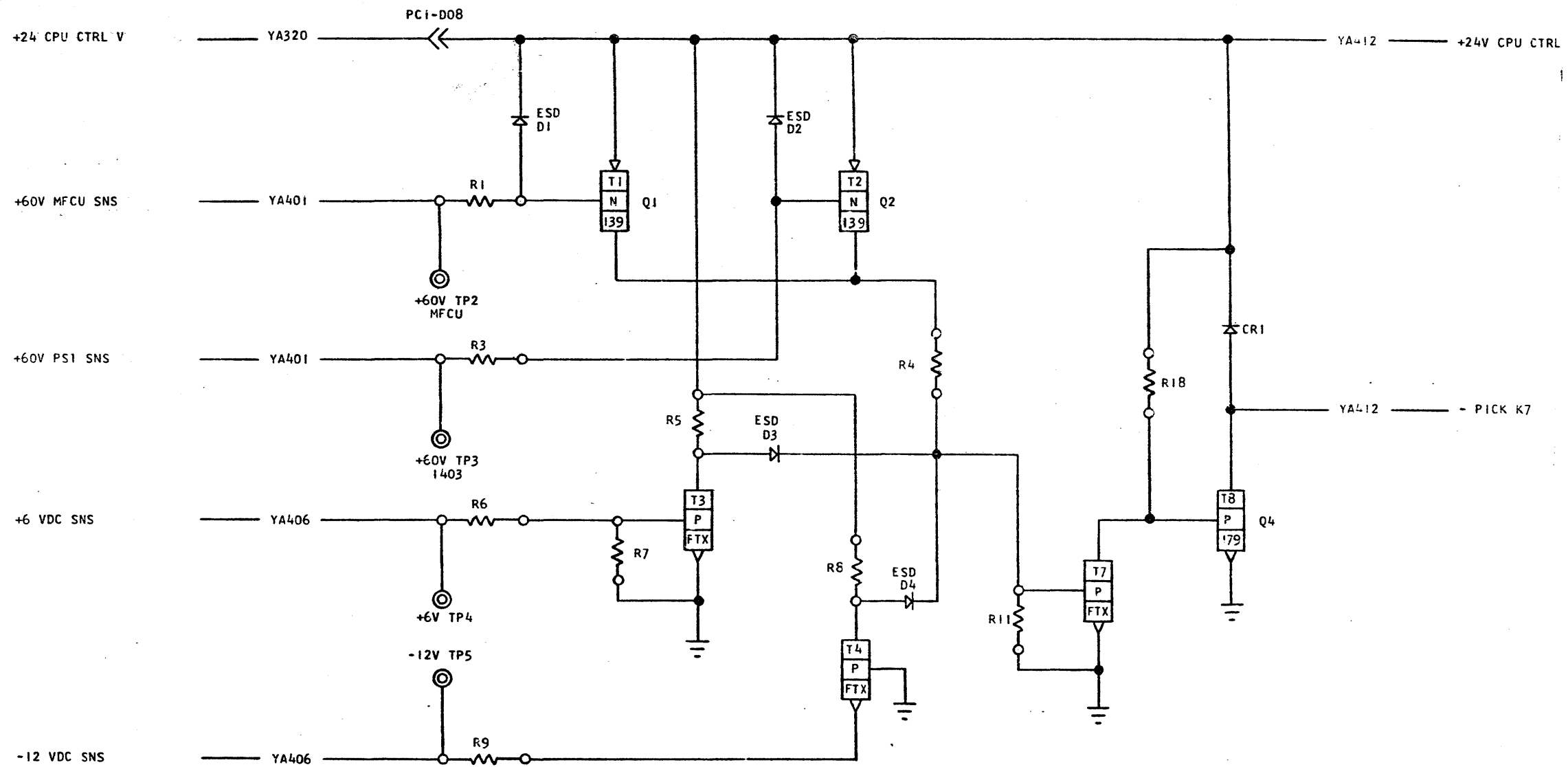
**C**

Y A 4 0 1



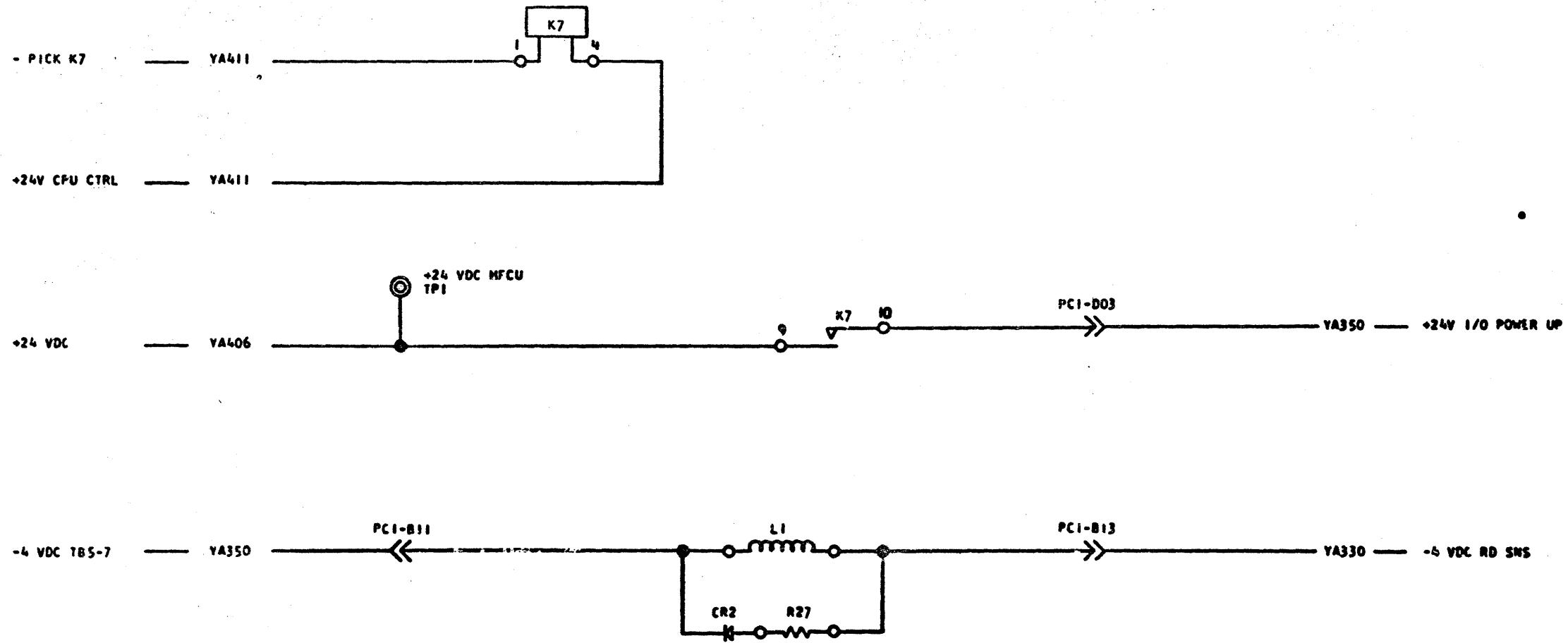
EC HISTORY		DRAWING TITLE	
17 MAY 71	818806E	VOLTAGE GENERATION	
27 MAY 75	572256	MACH	5421
2 JUN 77	571694	PART NO 7369861	
C	27 JAN 78	CLASSIFICATION	
		RLB	5 MAY 71

Y A 4 0 6



EC HISTORY		DRAWING TITLE	
17MAY71	818806E	VOLTAGE SENSE CKT	
		MACH	5421
		PART NO	7369862
C		CLASSIFICATION	
		RLB	5MAY 71

**IBM** CORP  
YA 4 1 1



EC HISTORY		DRAWING TITLE	
17 MAY 71	BLEEOGE	I/O PWR UP	
23 MAY 75	572256	MACH	5421
		PART NO 7369863	
C		CLASSIFICATION	
		RLB	5 MAY 71

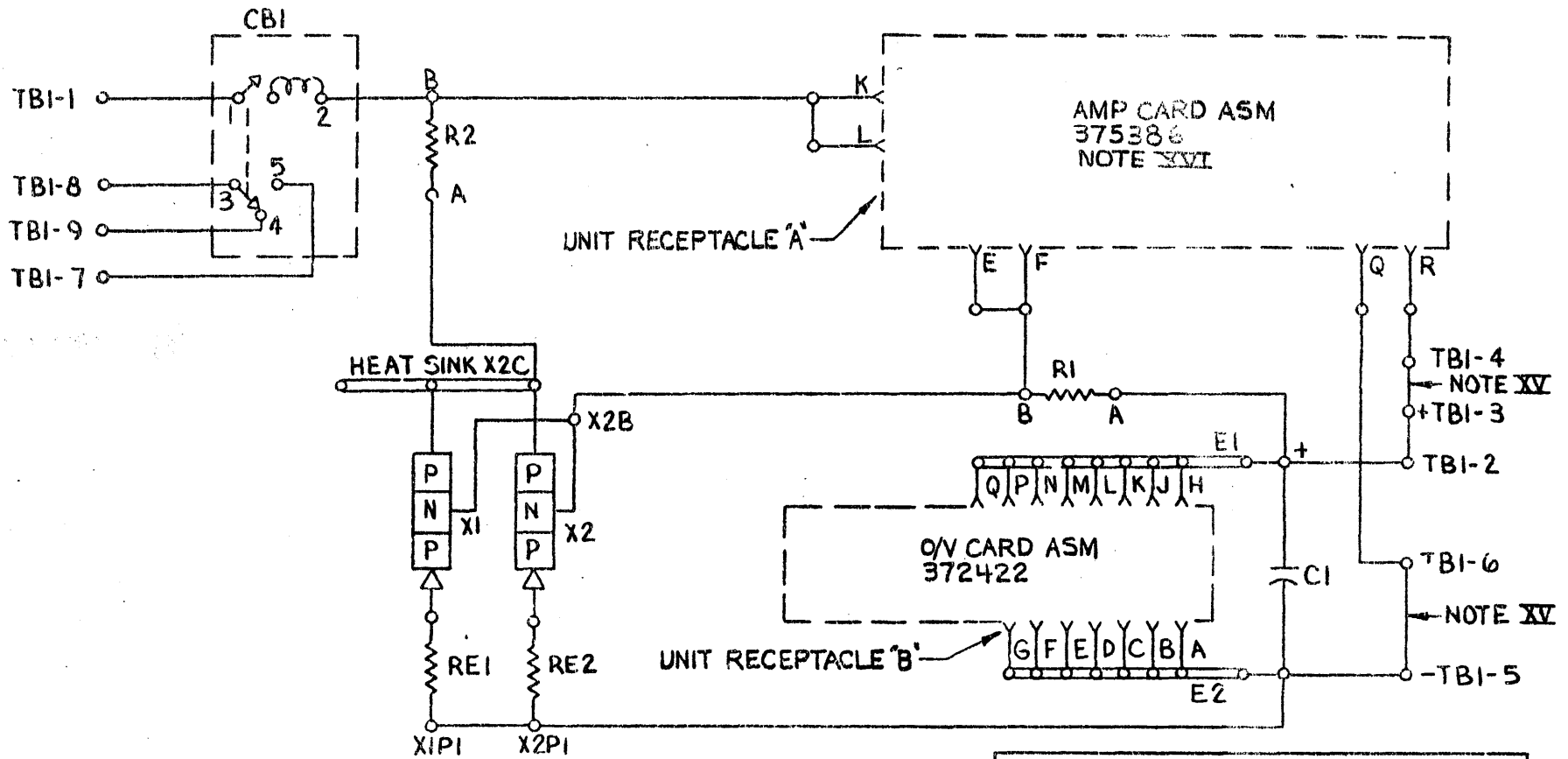
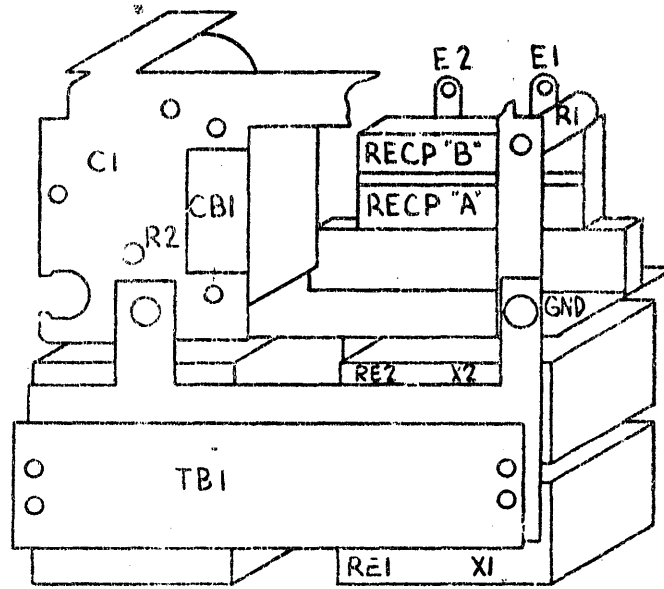
**IBM** CORP  
YA412

5244082A

POWER SUPPLY 12V AT 4A MID PAC

YF172

REFERENCE DRAWING



INPUT TERMS		OUTPUT TERMS	
POS	NEG	POS	NEG
TBI-2&3	TBI-1	TBI-2&3	TBI-5

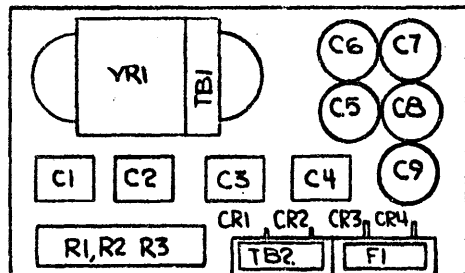
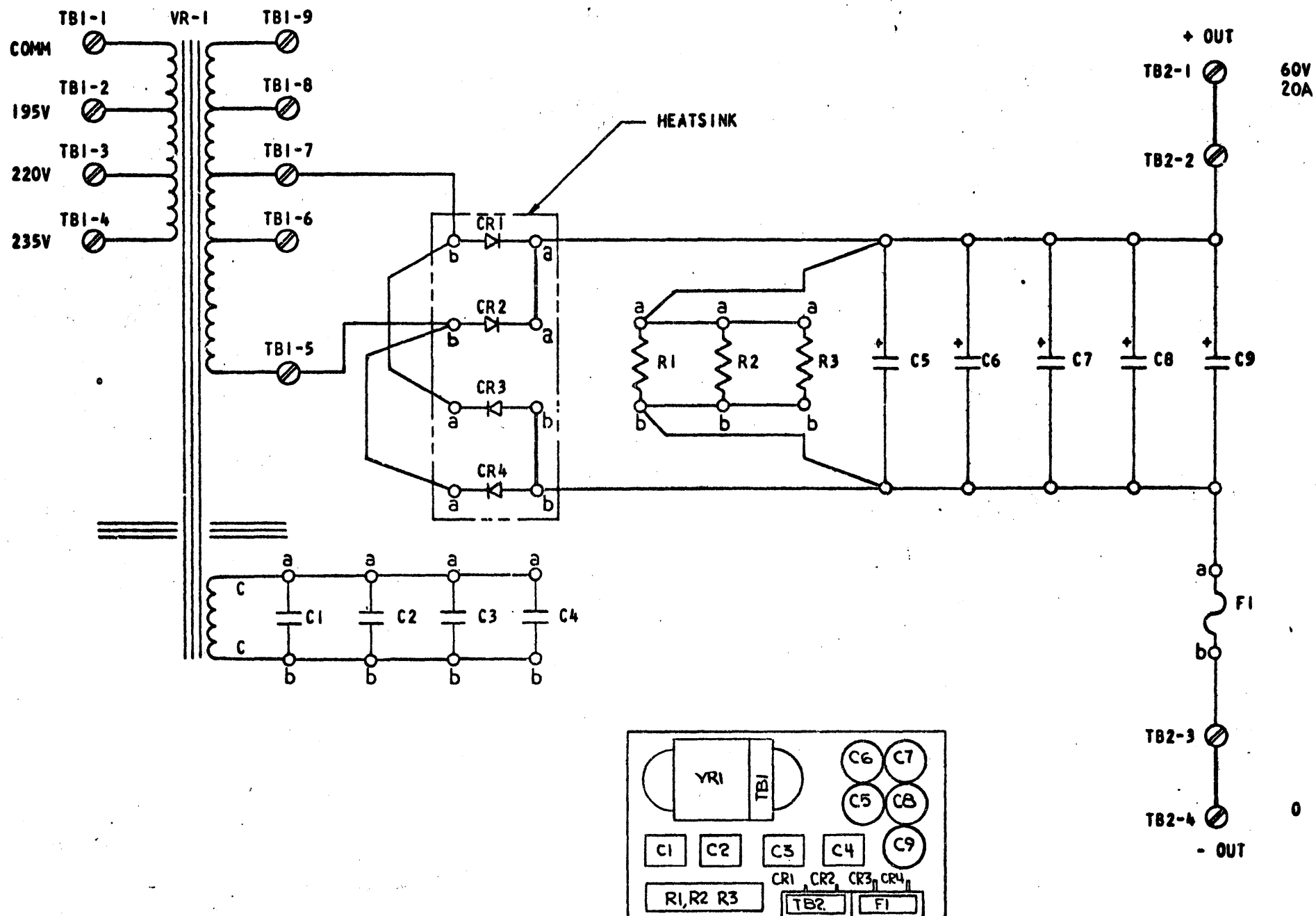
COMPONENT CHART		
CODE	PART NO.	DESCRIPTION
A,B	216076	RECEPTACLE
C1	730428	CAPACITOR 8000μF 15V
CBI	538830	CIRCUIT BREAKER 4A
E1,E2	730177	BUS PLATE
R1	221517	RESISTOR 75Ω
R2	730483	RESISTOR 0.06Ω
RE1&RE2	207324	RESISTOR 1Ω
TBI	323844	BARRIER STRIP 9 POSITION
X1	369214	TRANSISTOR TYPE 10B

NOTES

- XI
- XII
- XIII
- XIV
- XV FOR REMOTE SENSING REMOVE JUMPERS INDICATED AND SENSE BETWEEN TBI-4 & TBI-6
- XVI CARD ASM 375386 (REF) IS INTERCHANGEABLE WITH CARD ASM 374546 (REF)

INTERNATIONAL BUSINESS MACHINES CORP.		DATE	CHANGE NO.	DATE	CHANGE NO.	NOTE	DEVELOPMENT NO.
NAME	W. RIVKIN	12-3-64	704708			X PRINT TO ENG. SPEC. NO. 895291	5244082A
SUPPLY	12V AT 4A	4-23-65	706723				
DESIGN		27 JUL 66	706102				
DETAIL		11-2-69	712409				
CHECK		4 AUG 69	713095				
APPROV						YF172	5244082A

REFERENCE DRAWING



SYMBOL	DESCRIPTION	PART NO.	QTY.
C1-C4	CAPACITOR, 18 UF	223355	4
C5-C9	CAPACITOR, 20,000 UF	5214233	5
CR1-CR4	DIODE	5213402	4
F1	FUSE, 20 AMP	210474	1
R1-R3	RESISTOR, 100Ω, 100W	476457	3
VR1	FERRO RESONANT, REG	5761513	1
C1-C4	CAPACITOR, 18 UF	5252813	4
C1-C4	CAPACITOR, 18 UF	4120809	

NOTE XI

NOTE XI

NOTE XI SUB

NOTES:

- XI ADJUSTMENT TAPS SHOULD PROVIDE THE FOLLOWING APPROX. PERCENT CHANGE FROM NOMINAL VOLTAGE TAPS 5 & 7
  - TAPS 5 & 6 - 2%
  - TAPS 5 & 8 + 2%
  - TAPS 5 & 9 + 4%

- XII CAPACITOR 223355 (REF) USED IN P/S 5761410 (REF)  
 CAPACITOR 5252813 (REF) 4120807 (SUB) USED IN P/S 2625020 (REF)

REL FOR 2625020 (REF), 5761410 (REF)

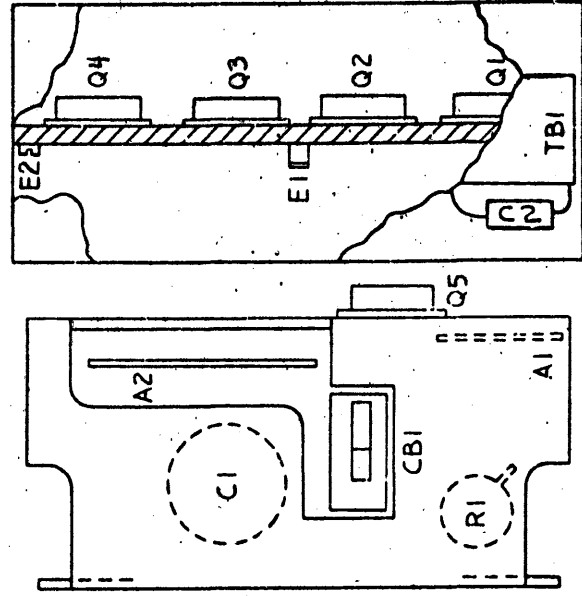
INTERNATIONAL BUSINESS MACHINES CORP.		DATE	CHANGE NO.	DATE	CHANGE NO.	NOTE	DEVELOPMENT NO.
NAME	SYSTEM DIAGRAM -	5 JUL 66	708065			X PRINT TO ENG. OPER. NO.	147-1045
DESIGN		16 SEP 70	714869				5761411
DETAIL		10 JAN 73	718923				YF333
CHECK	RVB 6-10-66	23 AUG 74	740217				
APPROV	6/27/66						

5761711

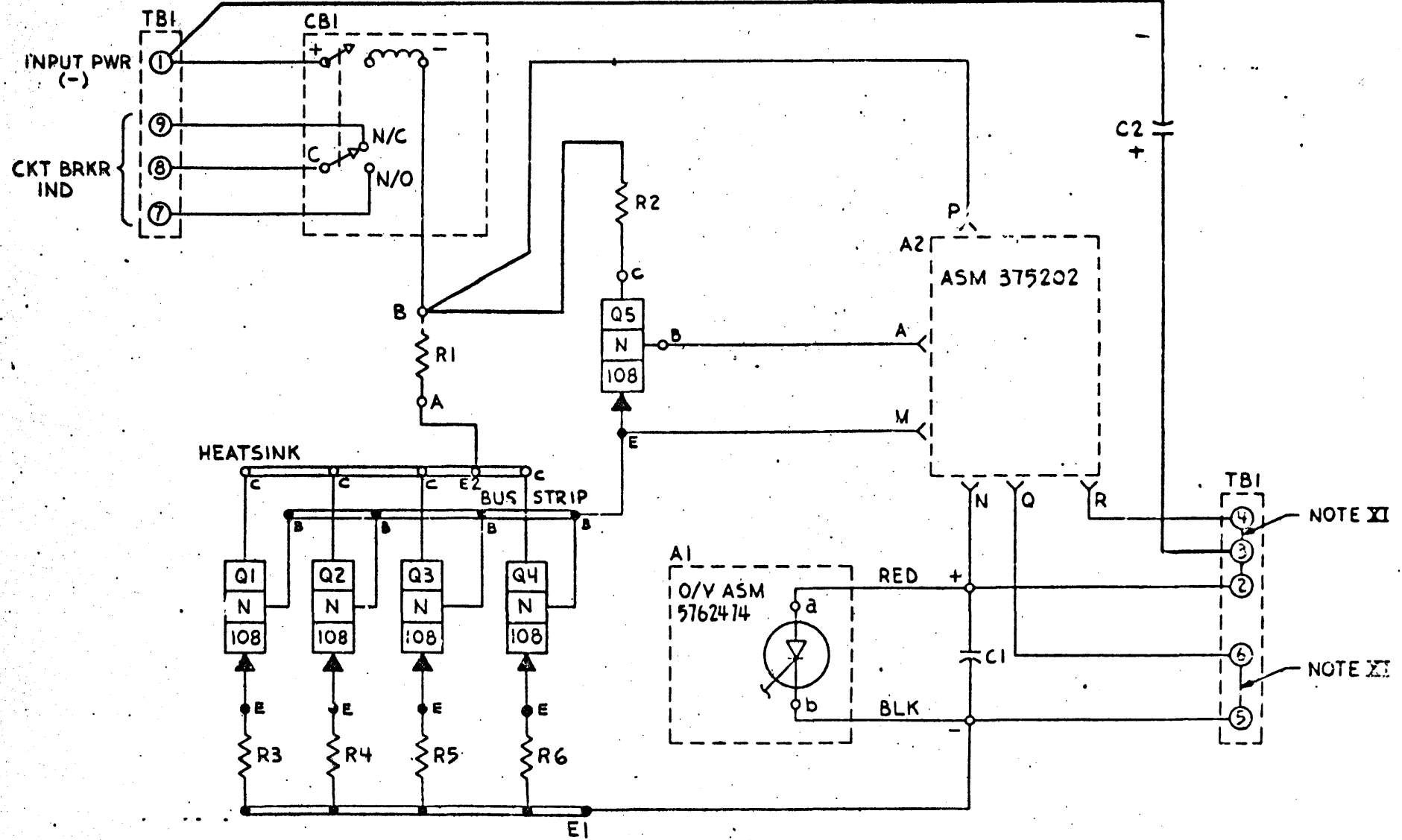
YF-471  
ML-B

6 VOLT AT 16 AMP POWER SUPPLY

REFERENCE DRAWING



NOTE XII



COMPONENT CHART					
CODE	PART NO.	DESCRIPTION	CODE	PART NO.	DESCRIPTION
A1	5762474	OVERVOLTAGE ASM	R2	5762044	RESISTANCE WIRE 0.5Ω
A2	375202	REGULATOR CARD ASM	R3-6	5761799	RESISTANCE WIRE 0.1Ω
C1	730429	CAP 11000 uf 10V	TBI	323844	TERMINAL BLOCK
C2	482171	CAP 75 uf 25V	Q1-5	369214	TRANSISTOR TYPE 108
CBI	NOTE XIII	CIRCUIT BREAKER 17A			
R1	730427	RESISTOR 0.11 Ω 90W			

NOTES

- XI FOR REMOTE SENSING REMOVE INDICATED JUMPERS AND SENSE BETWEEN TBI-4 AND TBI-6
- XII INPUT POWER APPLIED BETWEEN TERMINALS TBI-1 AND TBI-2
- XIII 5214552 OR 4116995. IF FIELD REPLACEMENT IS REQUIRED, ORDER PART NO. SUPPLIED WITH UNIT.

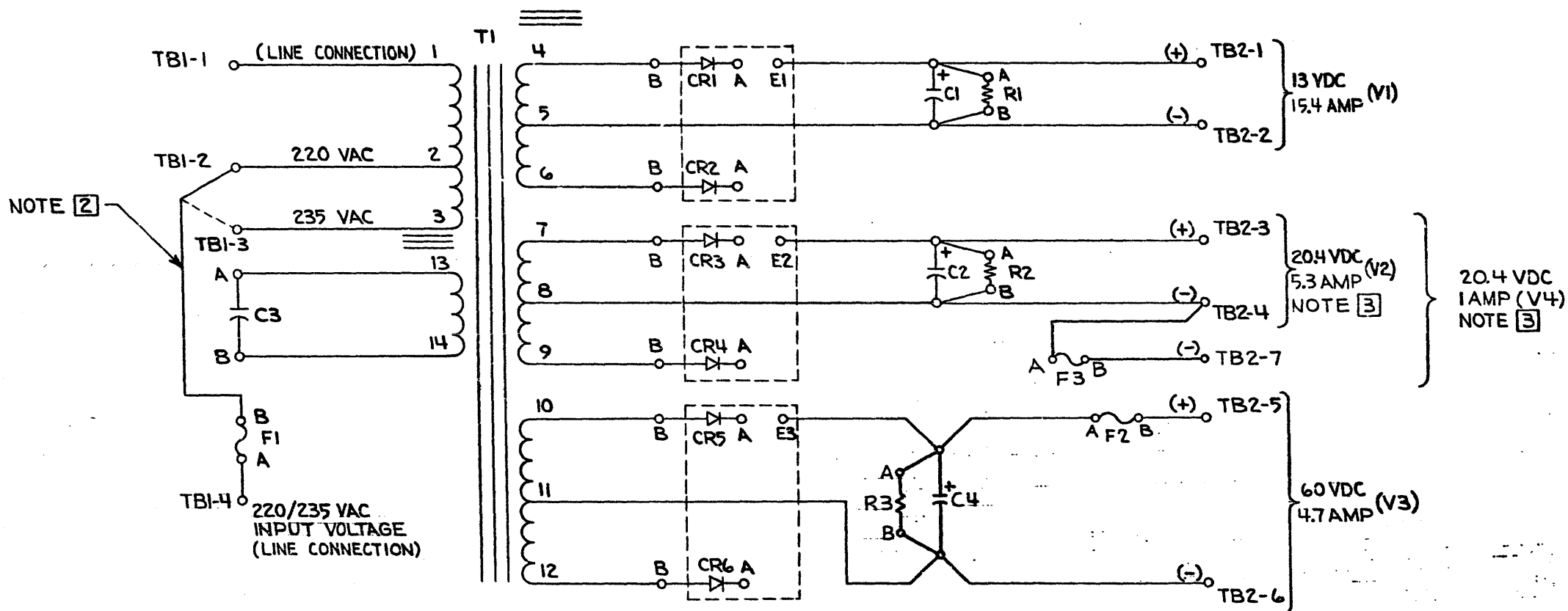
INTERNATIONAL BUSINESS MACHINES CORP.		DATE	CHANGE NO.	DATE	CHANGE NO.	NOTE	DEVELOPMENT NO.
NAME	SYSTEMS DIAGRAM	2 JAN 67	710719			PRINT TO ENCL. SPEC. NO. 895291	576 711 YF-471
	POWER SUPPLY 6 VOLT 16 AMP	2 OCT 68	711702 H				
DESIGN	18 OCT 67 MODEL	21 OCT 69	713086				
DETAIL		14 MAY 70	714617				
CHECK	WML 4 DEC 67 DRAW GT 19 OCT 67						
APPRO	GDJ 12-15-67 CHECK						



# POWER SUPPLY MULTI-LEVEL, 50 HZ 1Ø

YF 695  
MI = C

## REFERENCE DRAWING



COMPONENT CHART		
SYMBOL	DESCRIPTION	PART NO.
C1	CAPACITOR - 120,000 UF - 15 VDC	5796393
C2	CAPACITOR - 55,000 UF - 25 VDC	5214952
C3	CAPACITOR - 40 UF - 330 VAC	5319839
C4	CAPACITOR - 20,000 UF - 75 VDC	5214233
C3	CAPACITOR - 40 UF - 330 VAC	5252819
C3	CAPACITOR - 40UF - 330 VAC	4120814 (SUB)
CR3, CR4	RECTIFIER - 10 AMP - 150 V	598479
CR5, CR6	RECTIFIER - 30 AMP - 150 V	127324
CR1, CR2	RECTIFIER - 30 AMP - 150V	127324
F1	FUSE - 6.25 AMP - 250 V	107667
F2	FUSE - 6.25 AMP - 125 V	2130253
F3	FUSE - 1 AMP - 250 V	303549
R1	RESISTOR - 10 OHM - 50WATT	2122128
R2	RESISTOR - 25 OHM - 100WATT	317318
R3	RESISTOR - 100 OHM - 100 WATT	476457
T1	TRANSFORMER ASM	4119265

NOTE 2

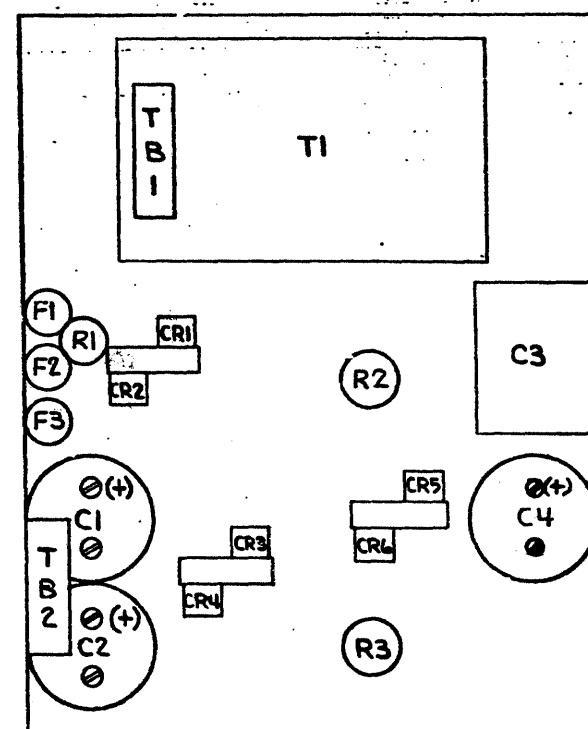
NOTE 4

NOTE 4

NOTE 4

**NOTES**

- 1 PRINT TO ENG SPEC 895291
- 2 MOVE THIS JUMPER (WITH YELLOW TAPE) FROM TBI-2 TO TBI-3 IF INPUT VOLTAGE TO POWER SUPPLY IS 235 VAC - UNIT SHOWN WIRED FOR 220 VAC INPUT OPERATION.
- 3 TOTAL OUTPUT CURRENT OF (V2) & (V4) MUST NOT EXCEED 5.3 AMPS
- 4 CAPACITOR 5319839 (REF) USED IN P/S 2584050 (REF)  
CAPACITOR 5252819 (REF) 4120814 (SUB) USED IN P/S 2625025 (REF)



2625025 (REF)  
RELEASED FOR ASSEMBLY 2584050 (REF)

EC HISTORY		DRAWING TITLE	
26 FEB 71	716050	WIRING	DIAGRAM
29 APR 71	716168	MACH	
6 JUL 71	716233	PART NO 2584051	
4 JAN 73	718928	CLASSIFICATION	IBM CORP
23 AUG 74	740217		

596 FY

YF 695

7.2.A. 12-10-70  
402 2-171