

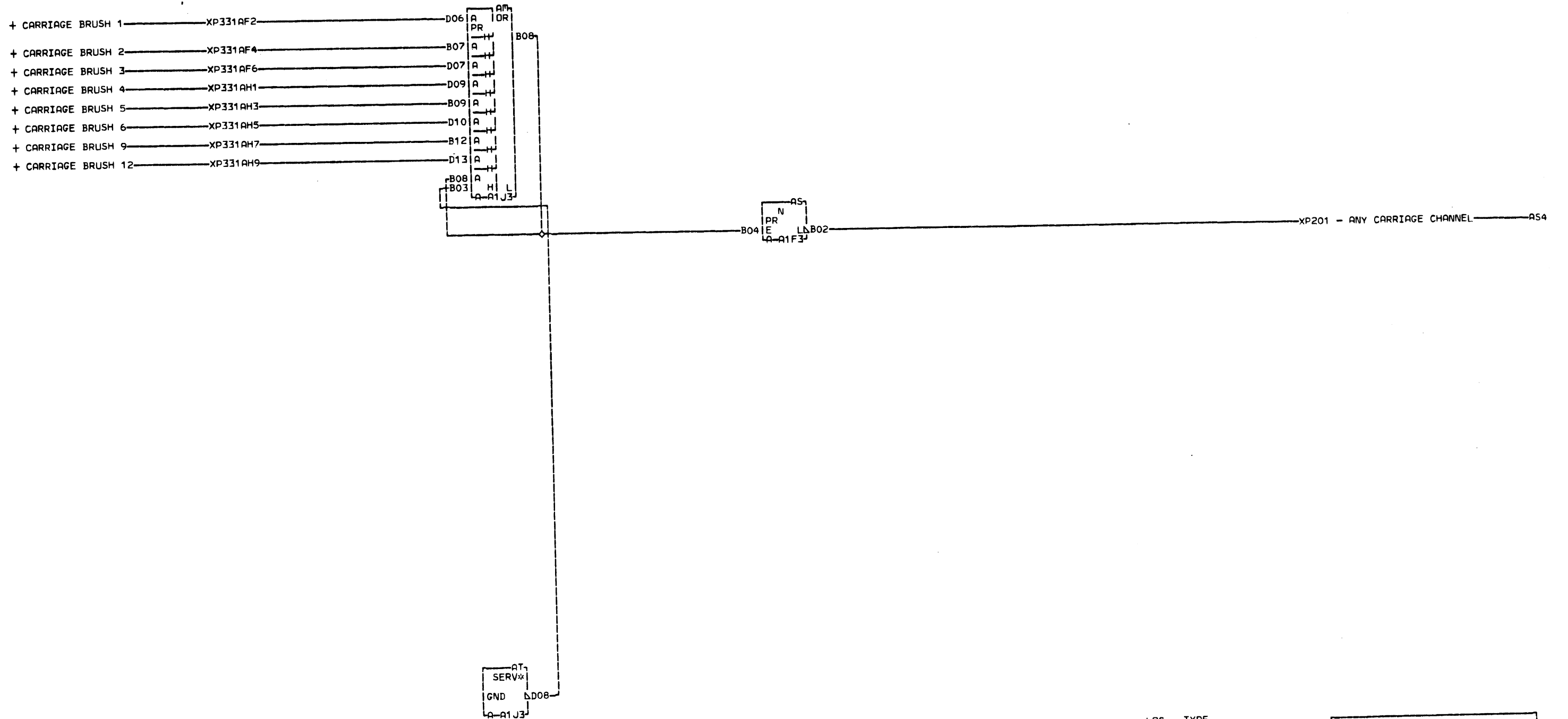
AY4 RESISTOR  
 A-A1J3D05  
 A24 A-A1A4D09  
 BD4 A-A1A4D07  
 CP4 A-A1A2D04

LOC.	TYPE
A-A1D3	3130
A-A1E3	0000
A-A1F2	0236
A-A1F3	0509
A-A1G2	0002
A-A1G3	0509
A-A1H3	0000
A-A1J3	6250
A-A1M6	0000

PRINTER CARRIAGE CONTROLS  
 AND USE METER SELECT  
 E.C.-HISTORY MACH. 1131-B  
 419664  
 DATE LAST EC 01-29-70 571083  
 FRAME 01  
 IBM CORP. GPD  
 P.No. 2231987

XP101

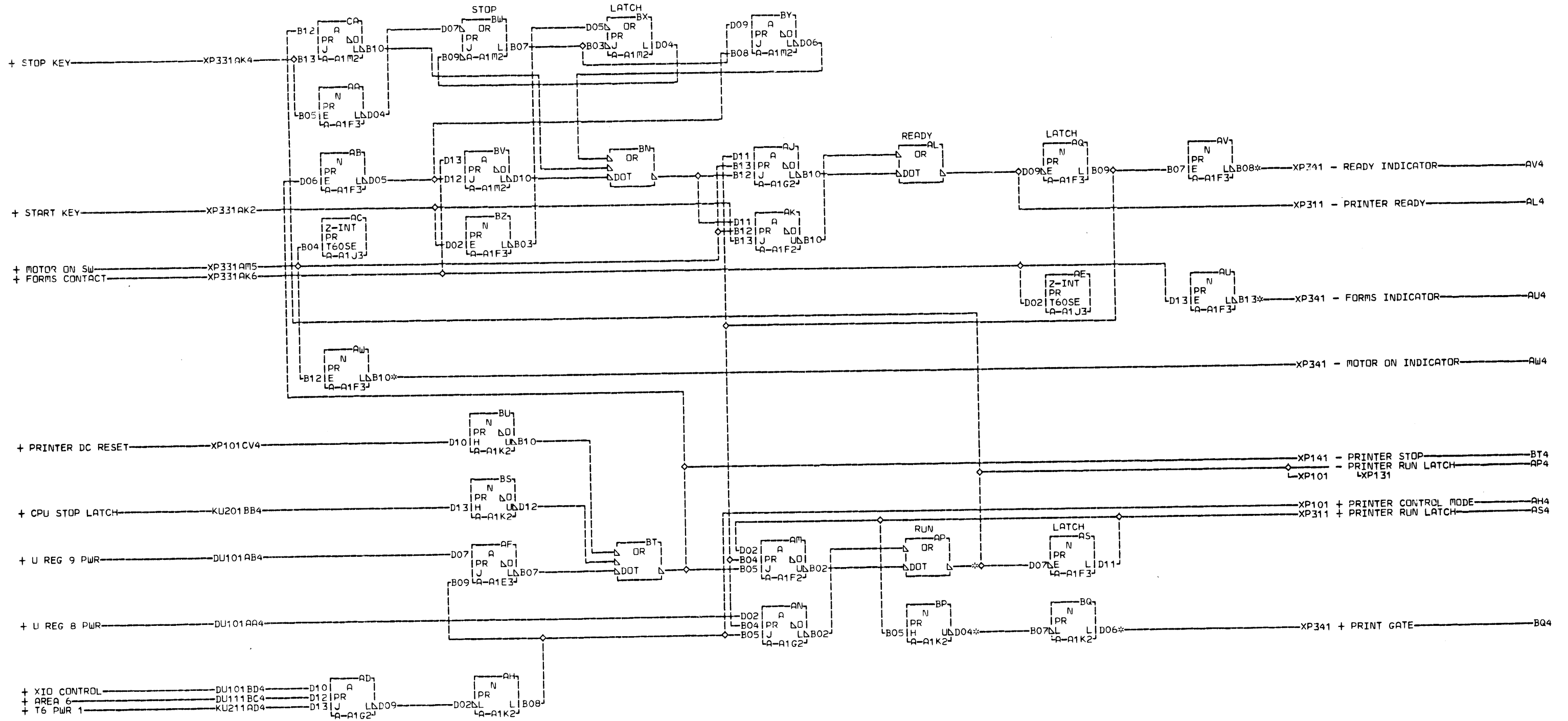
XP101



LOC. TYPE  
 A-1F3 0509  
 A-1J3 6250

CARRIAGE CHANNEL LATCH	
E.C. HISTORY	MACH. 1131-B
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DATE LAST EC	P.N. 2231239
109-02-66 419631	

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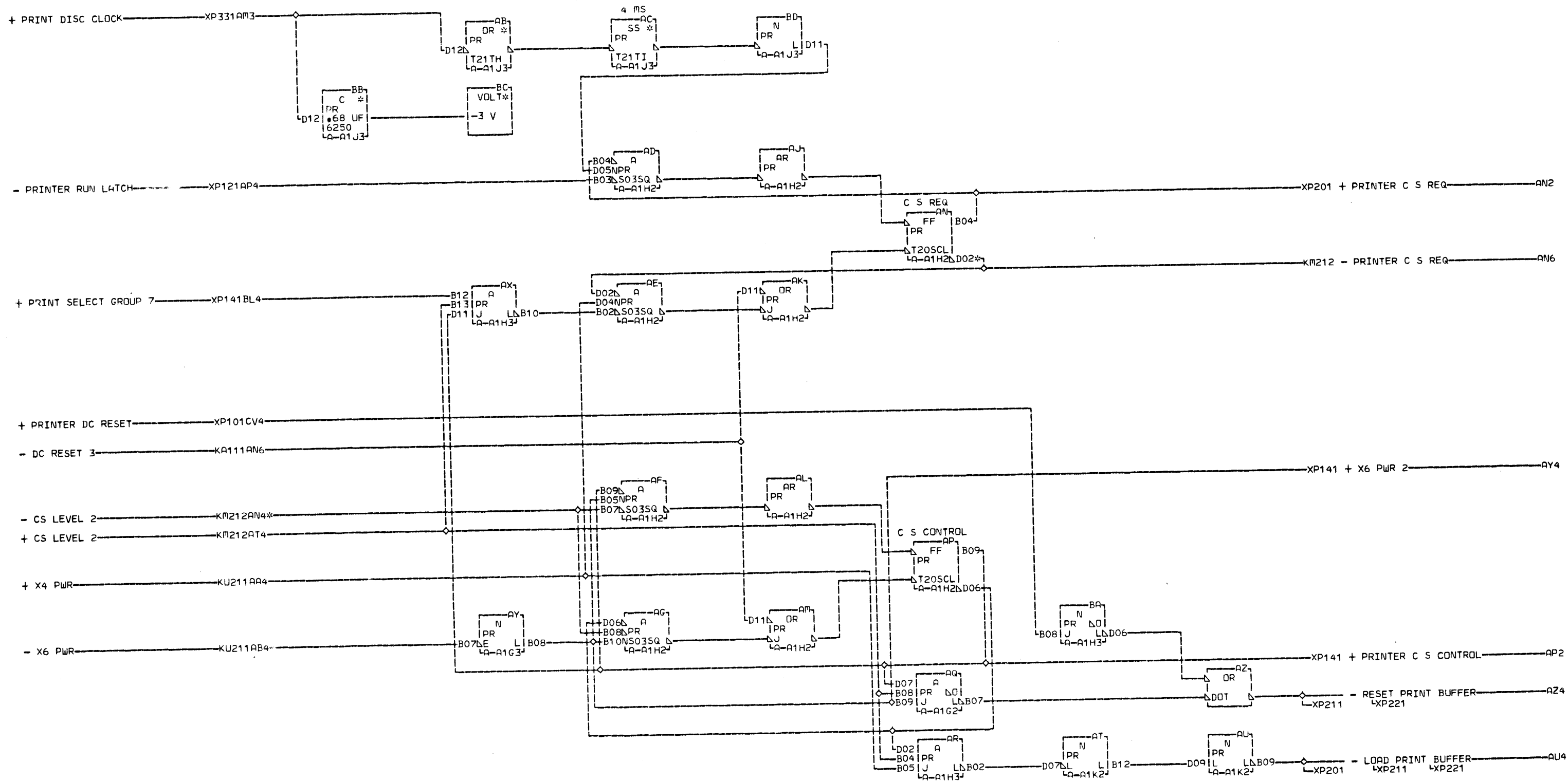
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- AP4 RESISTOR
- A-1J3B05
- AU4 A-1A4D02
- AV4 A-1A4D06
- AW4 A-1A4D05
- BP4 RESISTOR
- A-1K2D05
- BQ4 A-1A4B13

- LOC. TYPE
- A-1E3 0000
- A-1F2 0236
- A-1F3 0509
- A-1G2 0002
- A-1J3 6250
- A-1K2 0346
- A-1M2 0000

PRINTER RUN AND READY CONTROLS	
E.C. HISTORY	
419631	MACH. 1131-B
FRAME 01	
IBM CORP. GPD	
P.N. 2231428	
DATE LAST EC	
06-23-67	419664

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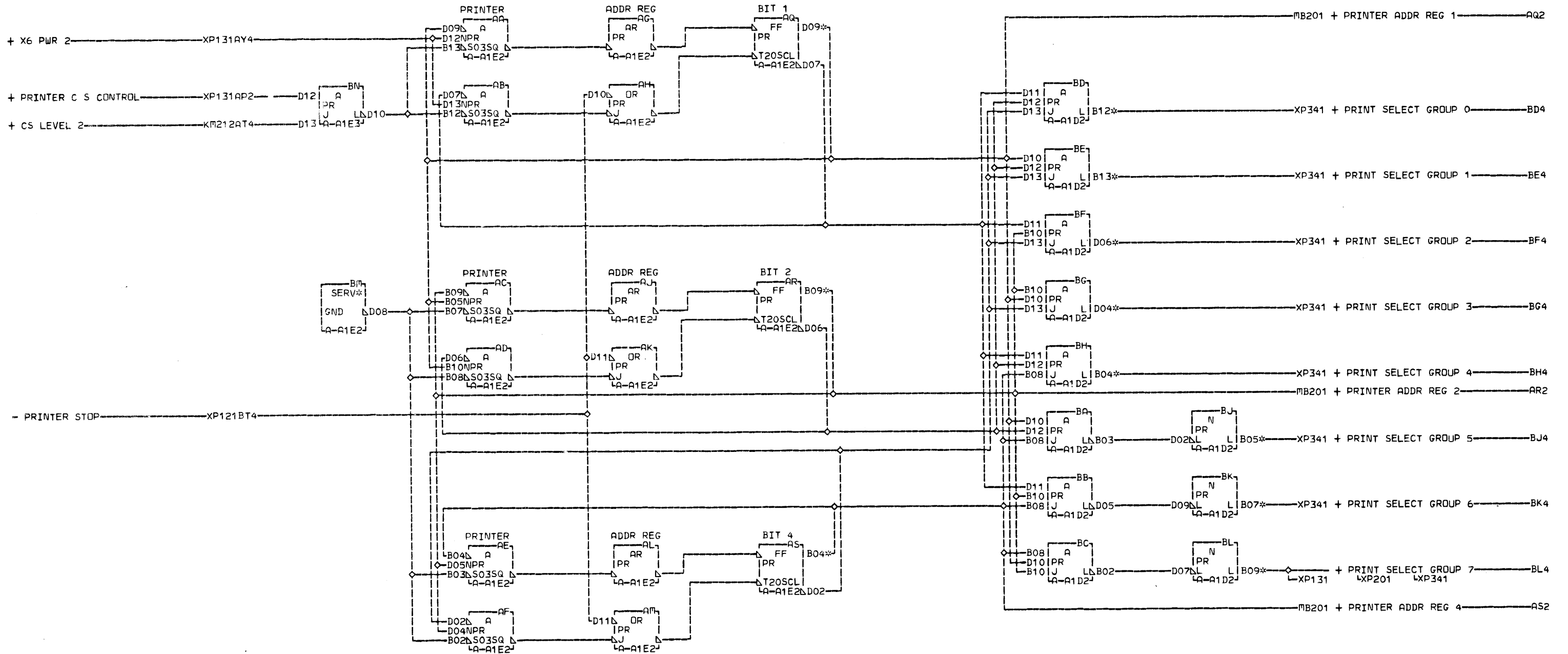


KM212AN4  
RESISTOR  
A-A1J3B10  
AN6 A-A1N4B07

LOC. TYPE  
A-A1G2 0002  
A-A1G3 0509  
A-A1H2 3794  
A-A1H3 0000  
A-A1J3 6250  
A-A1K2 0346

PRINTER DISC CLOCK SS AND C S CONTROLS		X
E.C. HISTORY	MACH. 1131-B	P
419631		1
	FRAME	01 3
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	IBM CORP. GPD	000
DATE	LAST EC	
03-10-67	419648	
	P.N. 2231241	

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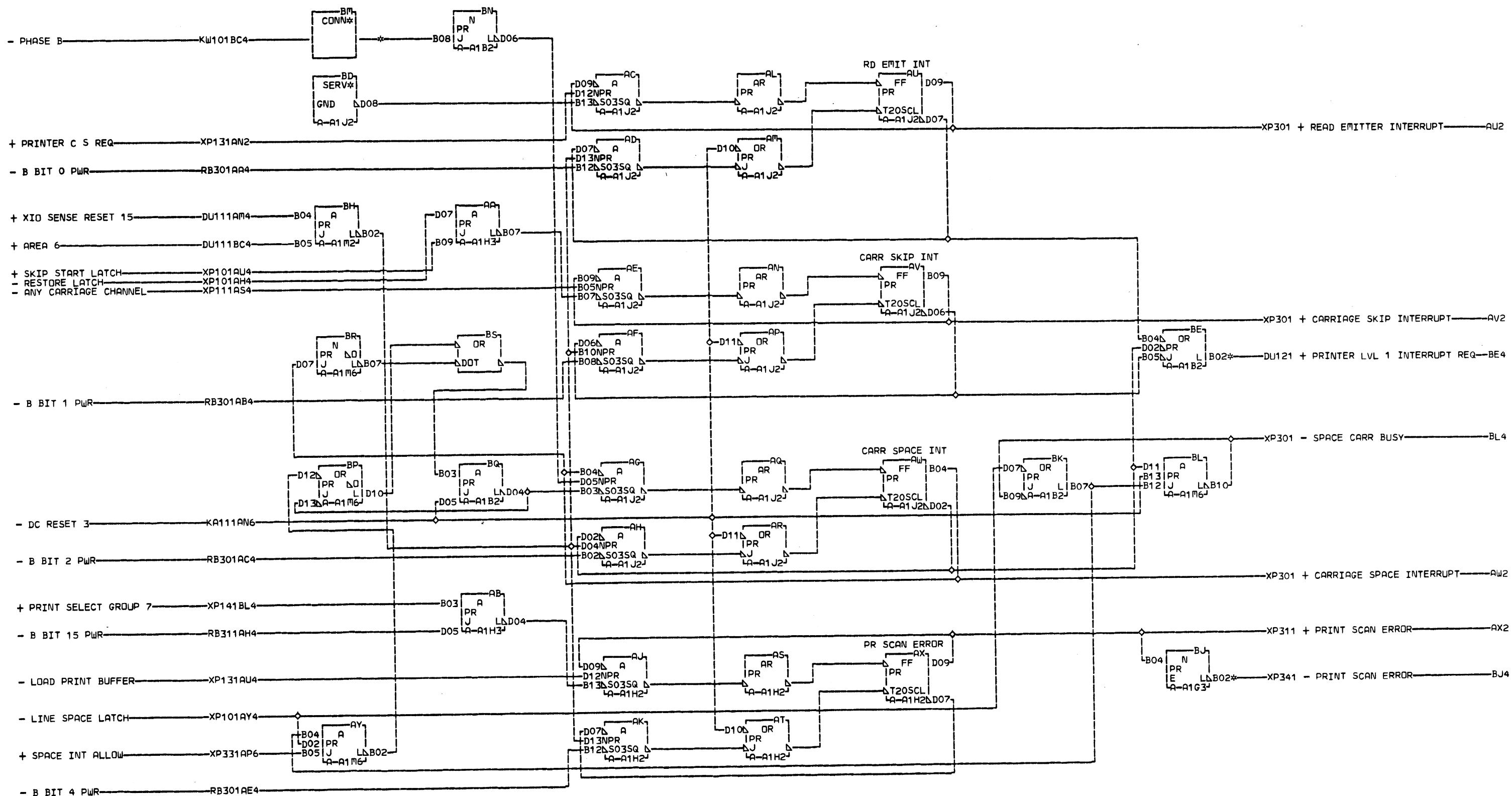


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AQ2 A-A1N4B02 EK4 A-A1A3D12  
 AR2 A-A1N4B03 BL4 A-A1A3D13  
 AS2 A-A1N4B04  
 BD4 A-A1A4D10  
 BE4 A-A1A4D11  
 BF4 A-A1A4D12  
 BG4 A-A1A4D13  
 BH4 A-A1A3B12  
 BJ4 A-A1A3B13

LOC. TYPE  
 A-A1D2 4008  
 A-A1E2 3794  
 A-A1E3 0000

PRINTER ADDR REG AND GROUP DECODE		X P 1 4 1
-E.C.-HISTORY-	MACH. 1131-B	
	FRAME 01	1
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DATE LAST EC	P.N. 2231242	
109-02-66 419631		

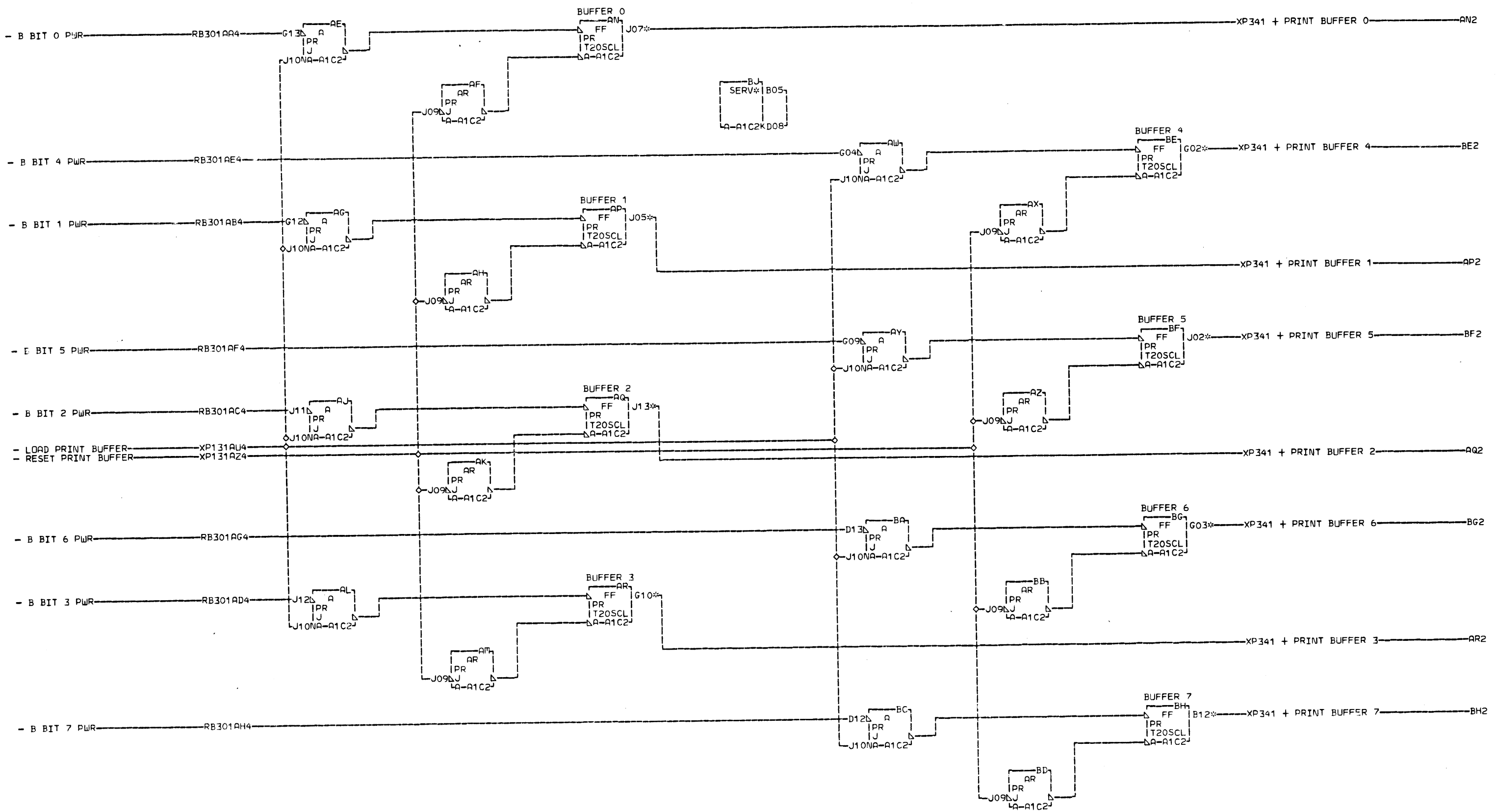


BE4 A-A1N2B11  
 BJ4 A-A1A4D04  
 BM4 A-A1N5D12  
 RESISTOR  
 A-A1K2D11

LOC. TYPE  
 A-A1B2 0000  
 A-A1G3 0509  
 A-A1H2 3794  
 A-A1H3 0000  
 A-A1J2 3794  
 A-A1K2 0346  
 A-A1M2 0000  
 A-A1M6 0000

PRINTER INTERRUPT AND ERROR		MACH#1131-B	X P 2 0 1
E.C.-HISTORY	419648		
DATE	LAST EC	IBM CORP. GPD	012
11-17-67	419668	P.No 2231996	

XP201-1

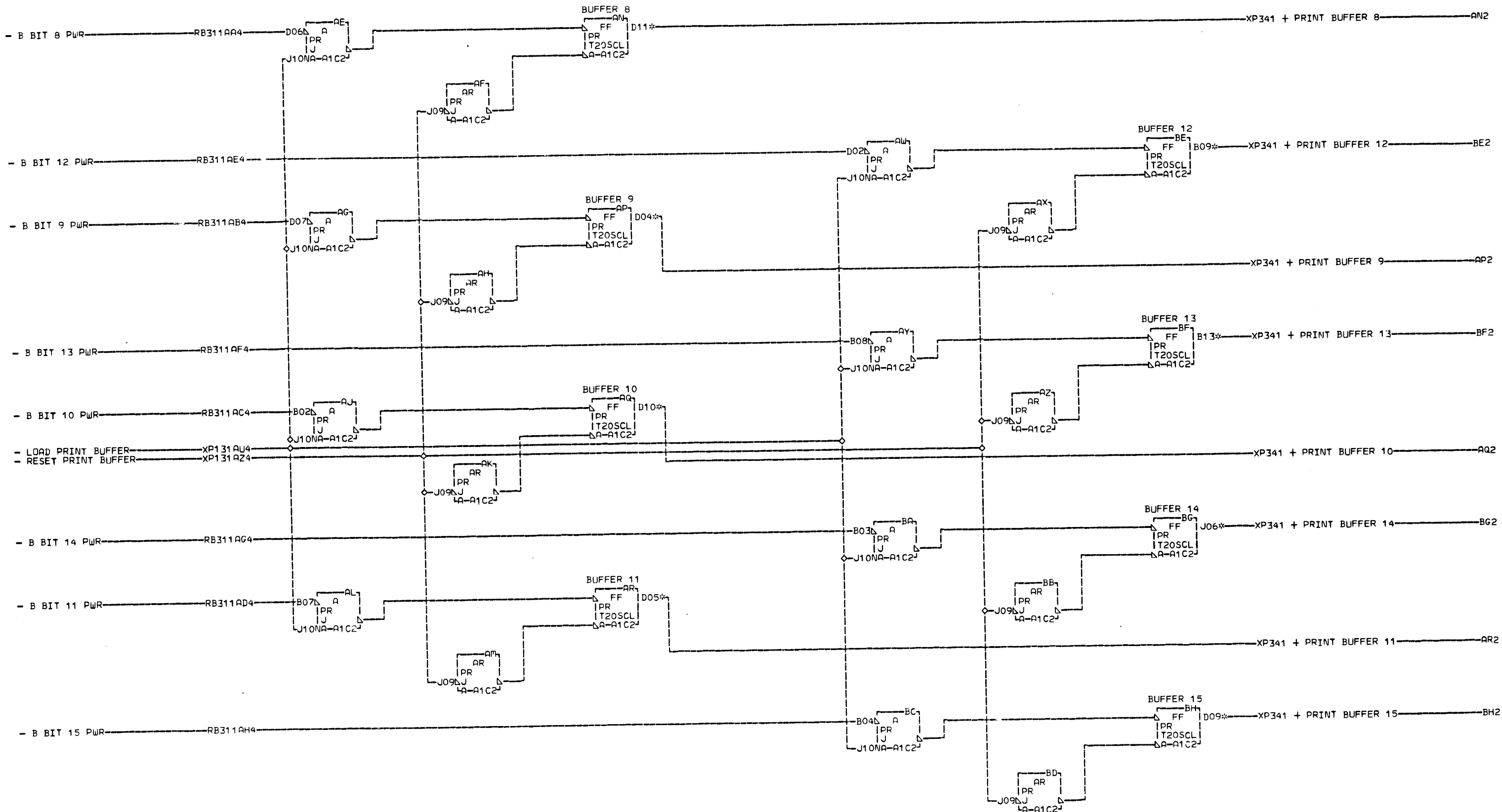


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AN2 A-A1A3B02  
AP2 A-A1A3D02  
AQ2 A-A1A3B03  
AR2 A-A1A3D04  
BE2 A-A1A3B04  
BF2 A-A1A3D05  
BG2 A-A1A3B05  
BH2 A-A1A3D06

LDC TYPE  
A-A1C2 4628

PRINT BUFFER REGISTER		BITS 0-7	
E.C.-HISTORY	MACH.1131-B	X	
419631	FRAME	01	1
	IBM CORP. GPD		1
DATE	LAST EC		000
11-11-66	419644	P.N.	2231429

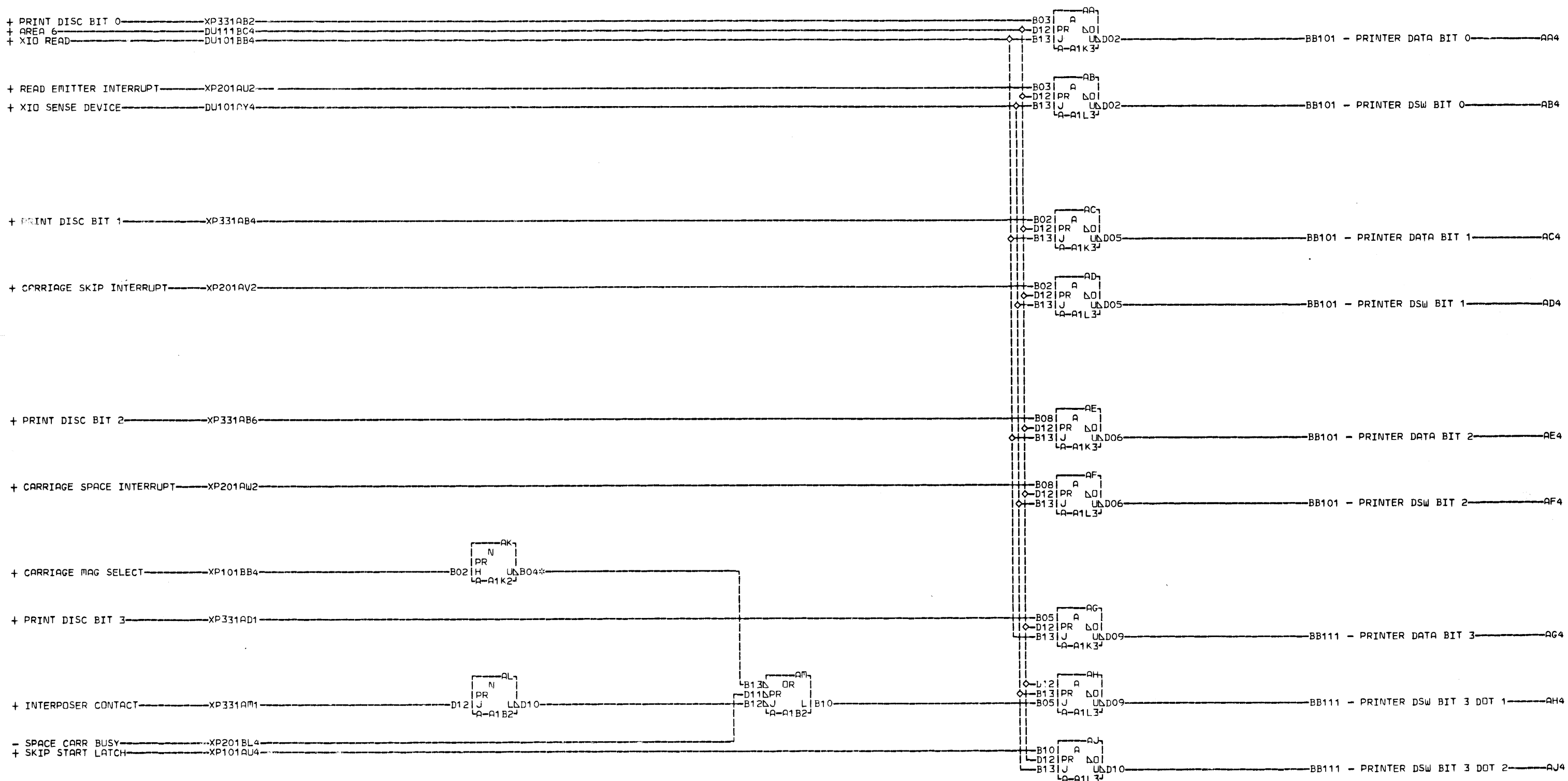


AN2 A-A1A3B07  
 AP2 A-A1A3D07  
 AQ2 A-A1A3B08  
 AR2 A-A1A3D09  
 BE2 A-A1A3B09  
 BF2 A-A1A3D10  
 BG2 A-A1A3B10  
 BH2 A-A1A3D11

LOC. TYPE  
 A-A1C2 4628

PRINT BUFFER REGISTER		X P 2 2 1
BITS 8-15		
E.C.-HISTORY	MACH. 1131-B	000
	FRAME 01	
	IBM CORP. GPD	
DATE 09-02-66	LAST EC 419631	
	IP.N. 2231430	

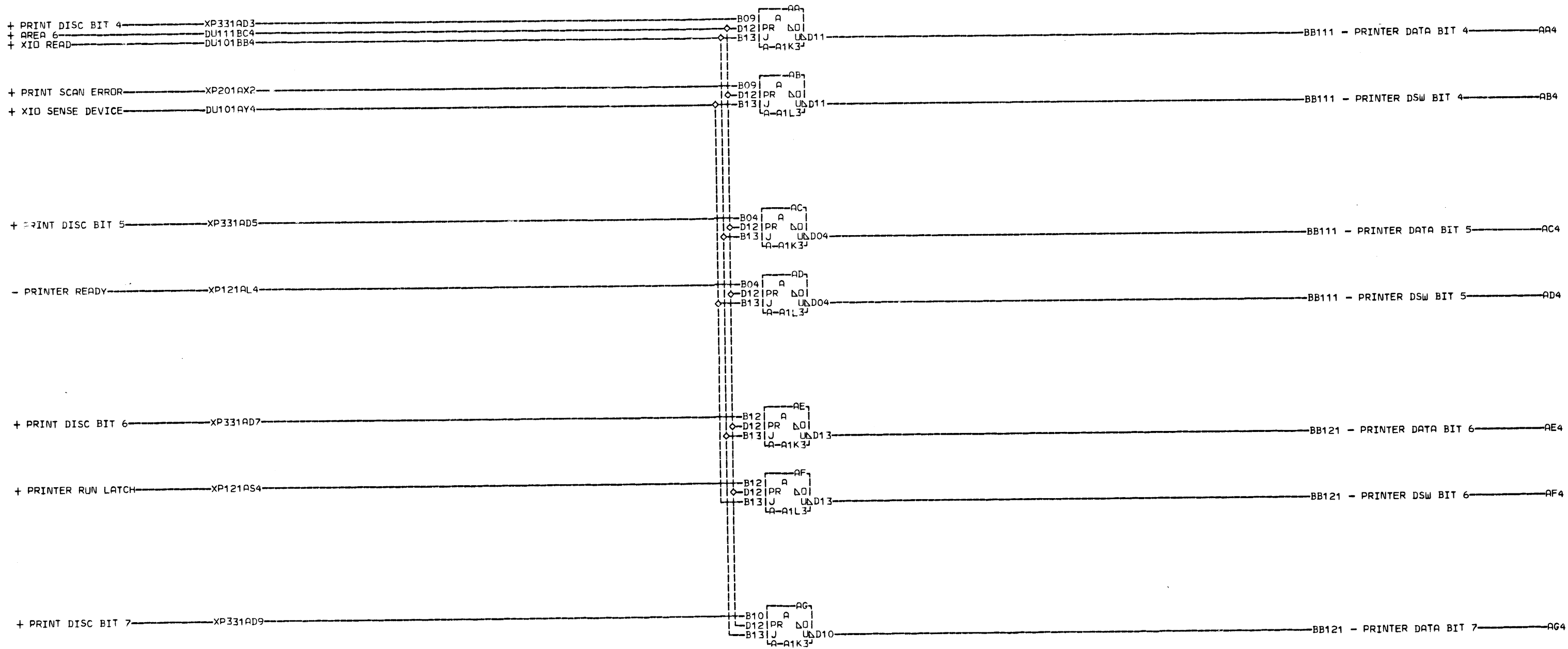




AK4 RESISTOR  
A-A1K2B03

LOC. TYPE  
A-A1B2 0000  
A-A1K2 0346  
A-A1K3 3028  
A-A1L3 3028

PRINTER INPUT BUS		X P 3 1
BITS 0-3		
E.C. HISTORY	MACH. 1131-B	0 1
419631	FRAME 01	
419644	IBM CORP. GPD	000
DATE	LAST EC	000
103-10-67	419648	
IP. N. 2231431		

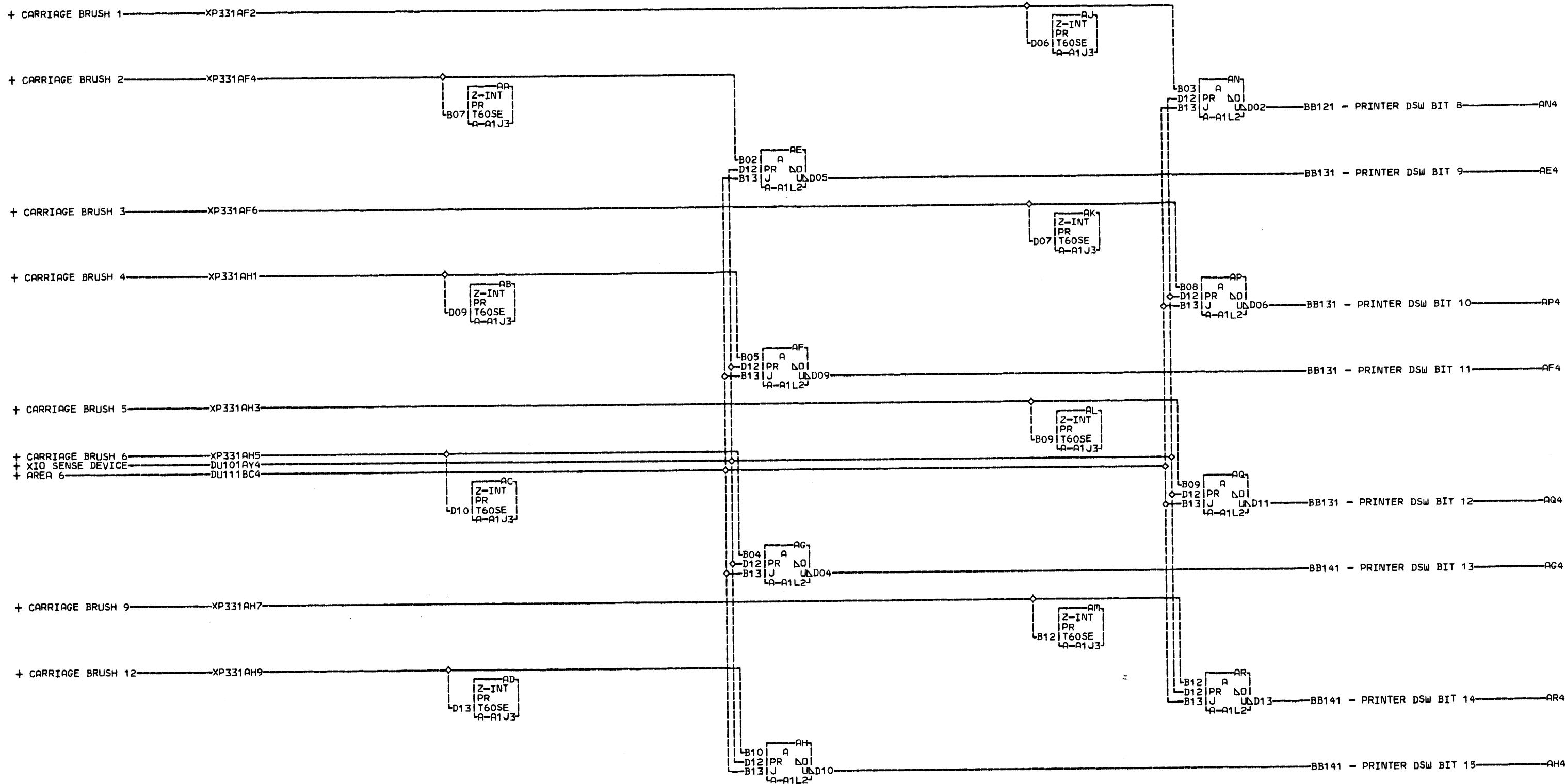


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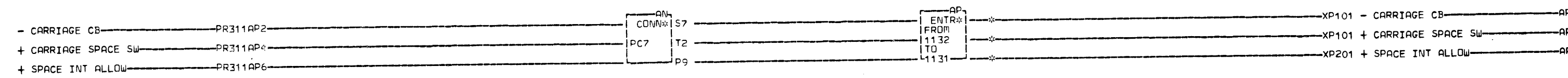
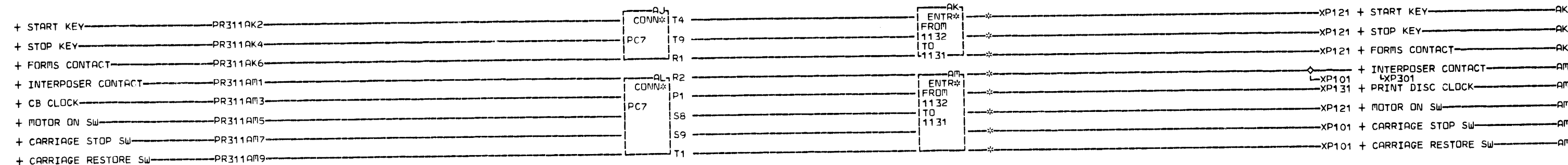
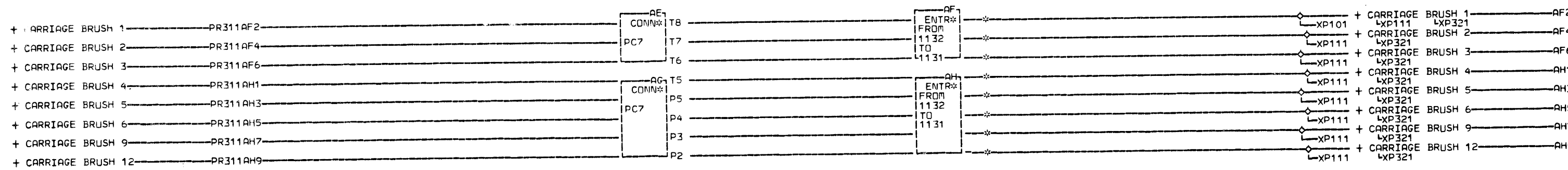
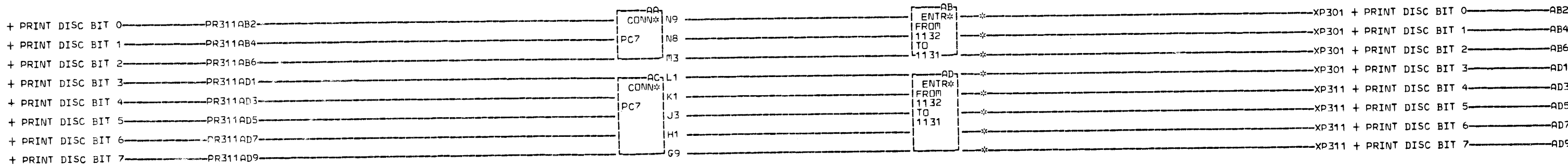
LOC. TYPE  
A-A1K3 3028  
A-A1L3 3028

PRINTER INPUT BUS BITS 4-7		X
-E.C.-HISTORY	MACH.1131-B	P
	FRAME 01	3
	IBM CORP. GPD	1
DATE LAST_EC	PoN. 2231432	1
09-02-66 419631		000



LOC. TYPE  
A-A1J3 6250  
A-A1L2 3028

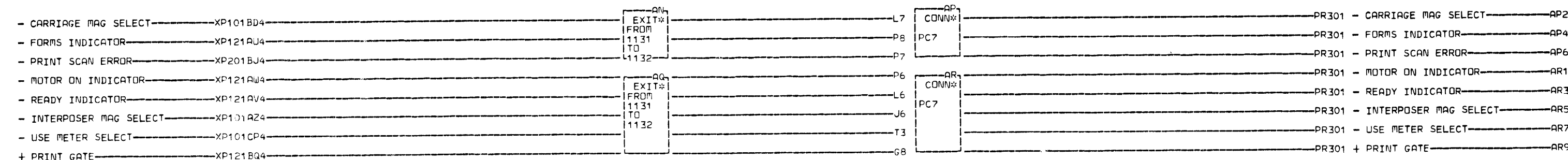
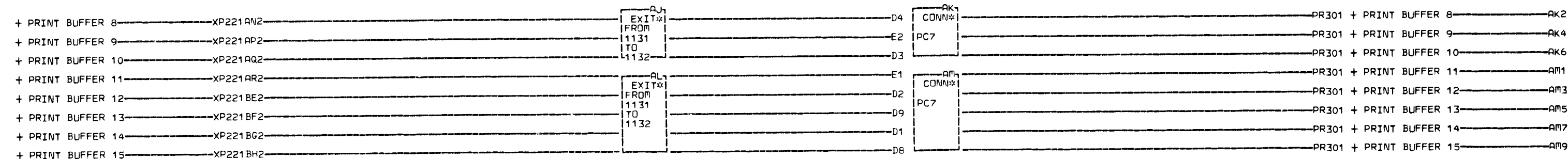
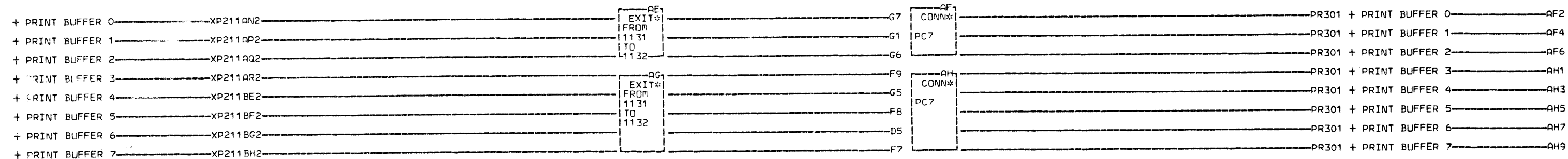
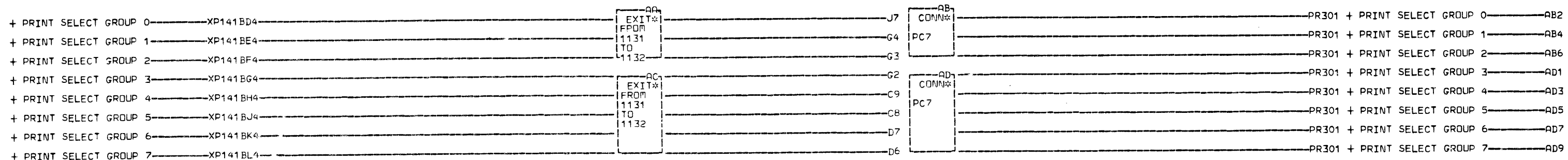
PRINTER INPUT BUS		X P 3 2 1
BITS 8-15		
E.C.-HISTORY	MACH.1131-B	000
	FRAME 01	
DATE	LAST EC	000
09-02-66	419631	
	P.No. 2231433	



AB2 A-A1A4B03 AF4 A-A1A2B05 AK6 A-A1A2D12  
 AB4 A-A1A4B04 AF6 A-A1A2B07 AM1 A-A1A2D11  
 AB6 A-A1A4B05 AH1 A-A1A2B08 AM3 A-A1A4B02  
 AD1 A-A1A4B07 AH3 A-A1A2B09 AM5 A-A1A2D09  
 AD3 A-A1A4B08 AH5 A-A1A2B10 AM7 A-A1A2D07  
 AD5 A-A1A4B09 AH7 A-A1A2B12 AM9 A-A1A2D06  
 AD7 A-A1A4B10 AH9 A-A1A2B13 AP2 A-A1A2D10  
 AD9 A-A1A4B12 AK2 A-A1A2D02 AP4 A-A1A2D05  
 AF2 A-A1A2B04 AK4 A-A1A2B03 AP6 A-A1A2D13

PRINTER ENTRY			
E.C. HISTORY		MACH. 1131-B	
419631		FRAME	01
		IBM CORP. GPD	
DATE	LAST EC	P.O. No. 2231434	
03-10-67	419648		

X P 3 3 1

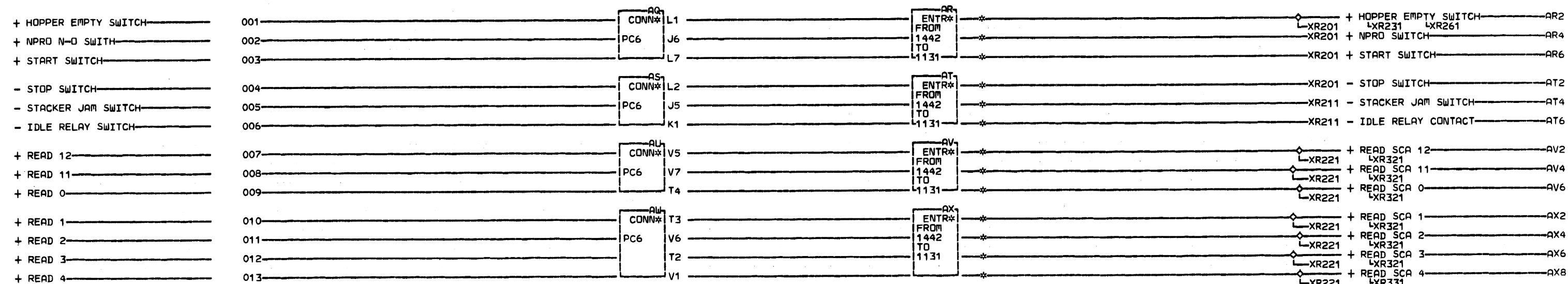
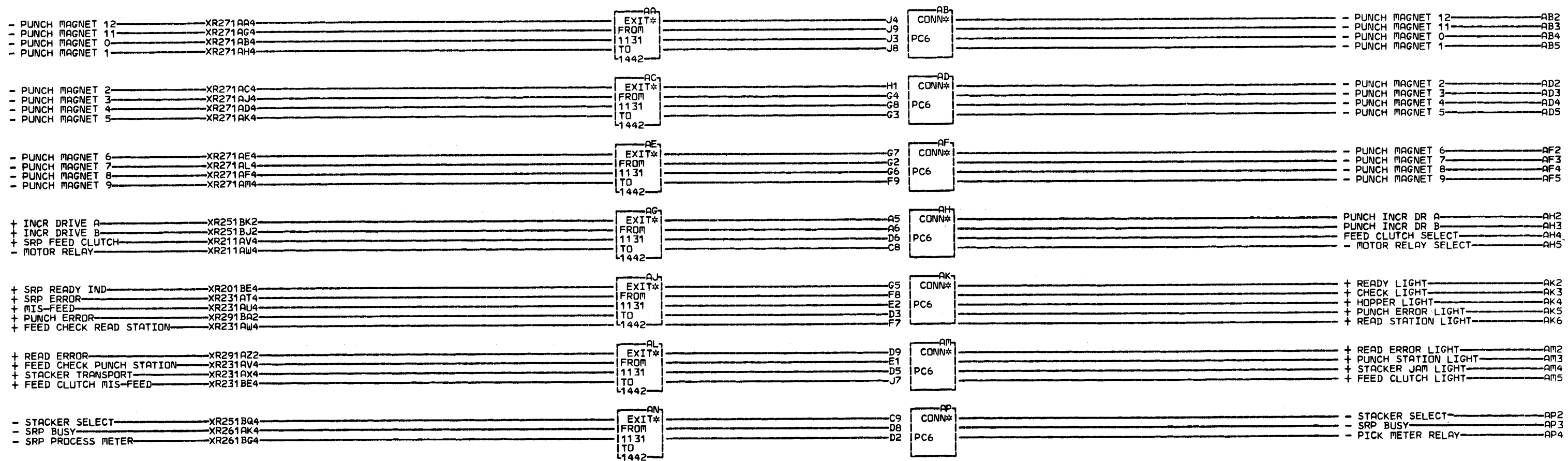


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PRINTER EXIT			
E.C.	HISTORY	MACH.	1131-B
		FRAME	01
		IBM CORP.	GPD
DATE	LAST EC	P.N.	2231435
109-02-66	419631		

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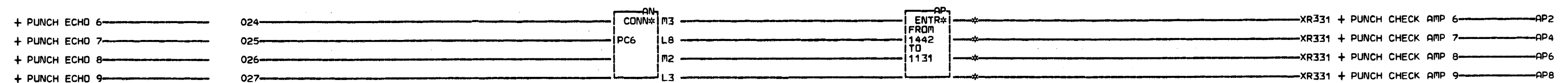
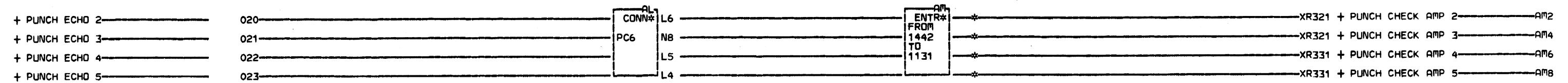
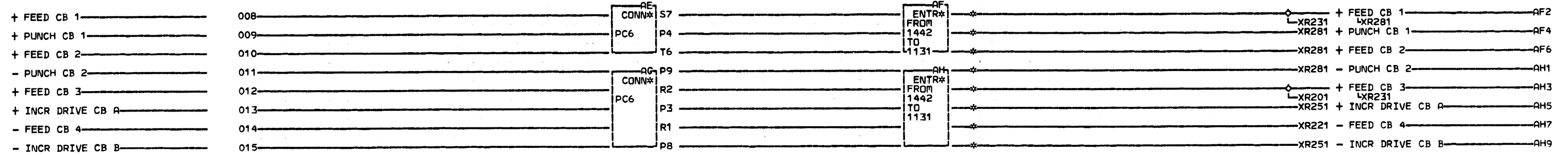
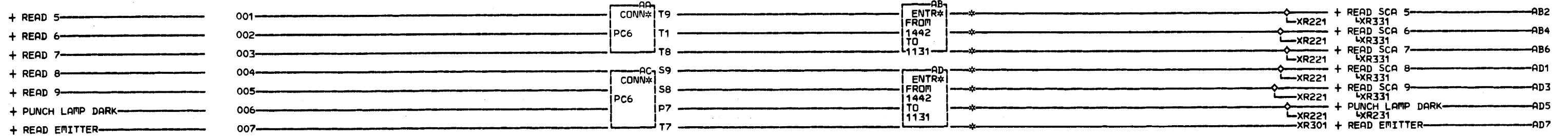
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AR2 A-B1A4D12 AX2 A-B1N2B04  
AR4 A-B1A3B13 AX4 A-B1N2D04  
AR6 A-B1A4B12 AX6 A-B1N2B05  
AT2 A-B1A3D12 AX8 A-B1N2D05  
AT4 A-B1A3B12  
AT6 A-B1A3D10  
AV2 A-B1N2B02  
AV4 A-B1N2D02  
AV6 A-B1N2B03

SRP ENTRY EXIT

E.C. HISTORY MACH. 1131-B  
419631 FRAME 01  
IBM CORP. GPD  
DATE LAST EC 11-11-66 419644 P. N. 2231251

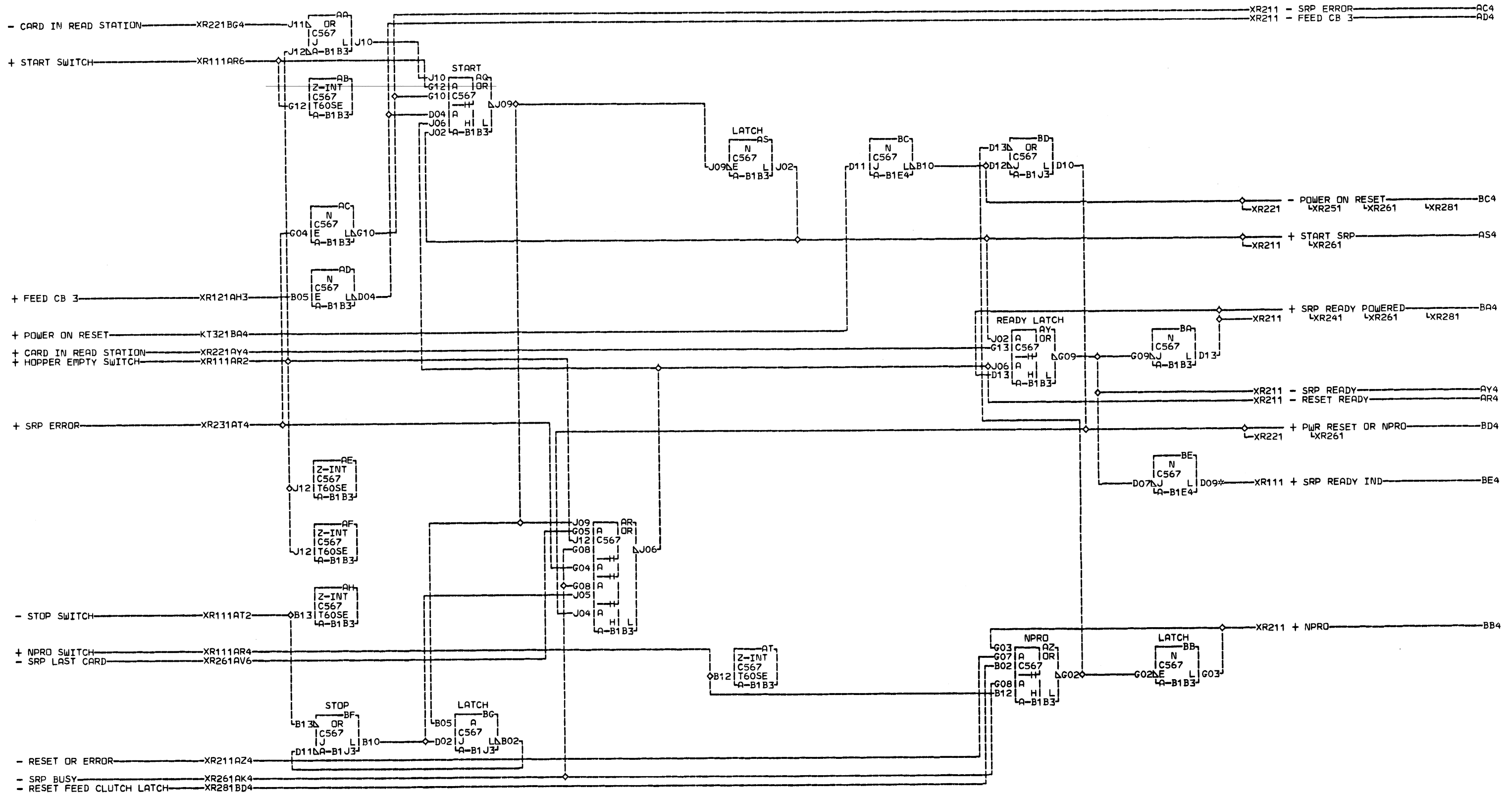
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NOTE THE 1442  
INTERFACE PAGE  
NUMBER IS  
WC010  
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AB2 A-B1N2D06 AF6 A-B1N3D12 AK8 A-B1N2D11  
AB4 A-B1N2B07 AH1 A-B1N3D10 AM2 A-B1N2B12  
AB6 A-B1N2D07 AH3 A-B1N3B12 AM4 A-B1N2D12  
AD1 A-B1N2B08 AH5 A-B1N3D09 AM6 A-B1N2B13  
AD3 A-B1N2B09 AH7 A-B1N3B13 AM8 A-B1N2D13  
AD5 A-B1A4B13 AH9 A-B1N3D13 AP2 A-B1N3B02  
AD7 A-B1N3B08 AK2 A-B1N2D09 AP4 A-B1N3D02  
AF2 A-B1N3B09 AK4 A-B1N2B10 AP6 A-B1N3B03  
AF4 A-B1N3B10 AK6 A-B1N2D10 AP8 A-B1N3B04

SRP ENTRY	
E.C.-HISTORY 419631	MACH#1131-B FRAME 01 IBM CORP. GPD P#N# 2231436
DATE LAST EC 11-11-66 419644	X R 1 2 1 000



BE4 A-B1A3D13

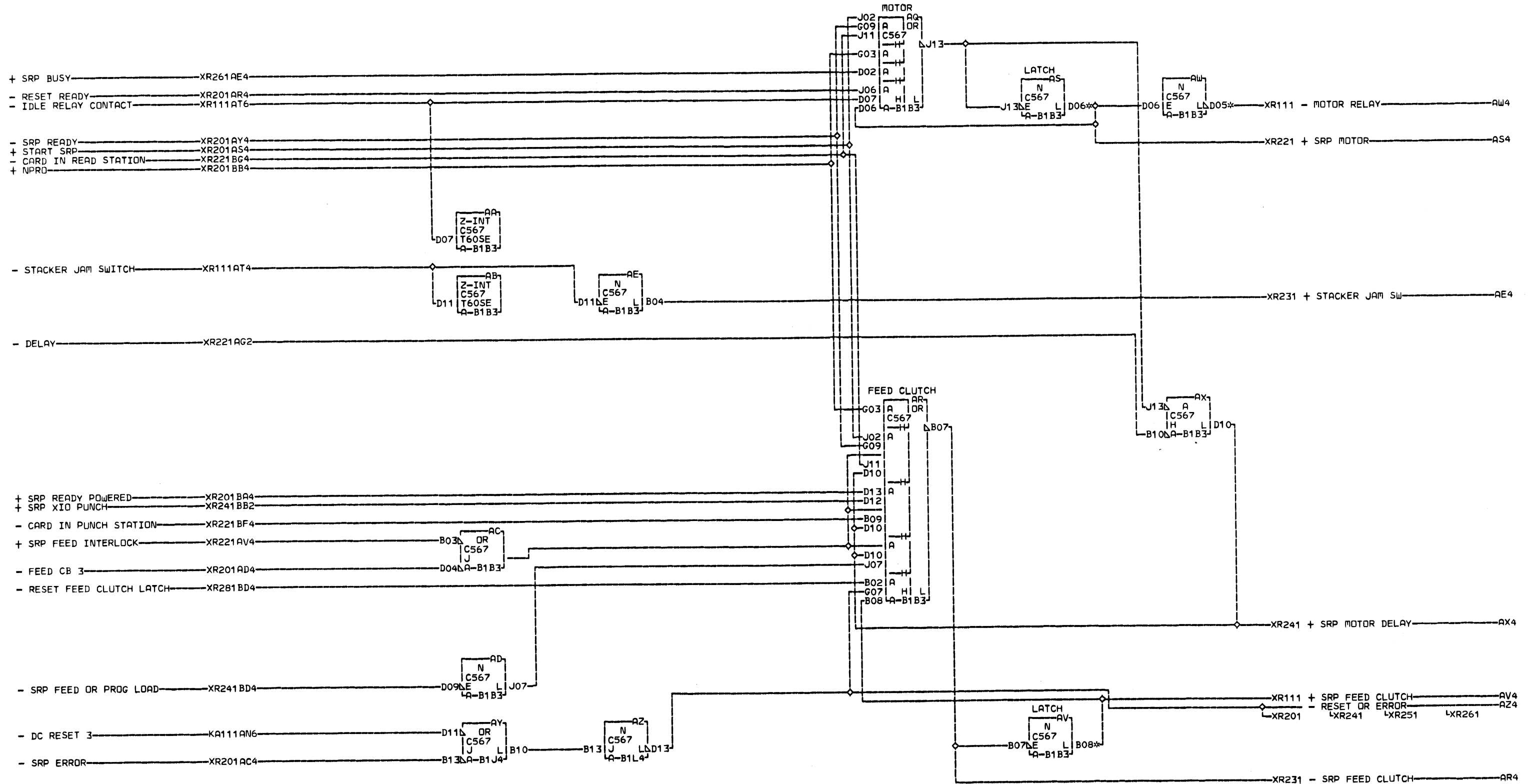
LOC. TYPE  
 A-B1B3 7310  
 A-B1E4 3421  
 A-B1J3 0000

SRP START-READY-NPRD LATCHES		MACH#1131-B	FRAME	IBM CORP. GPD	P.N# 2231253
419631	419644				
DATE	LAST EC				
06-23-67	419664				

XR201

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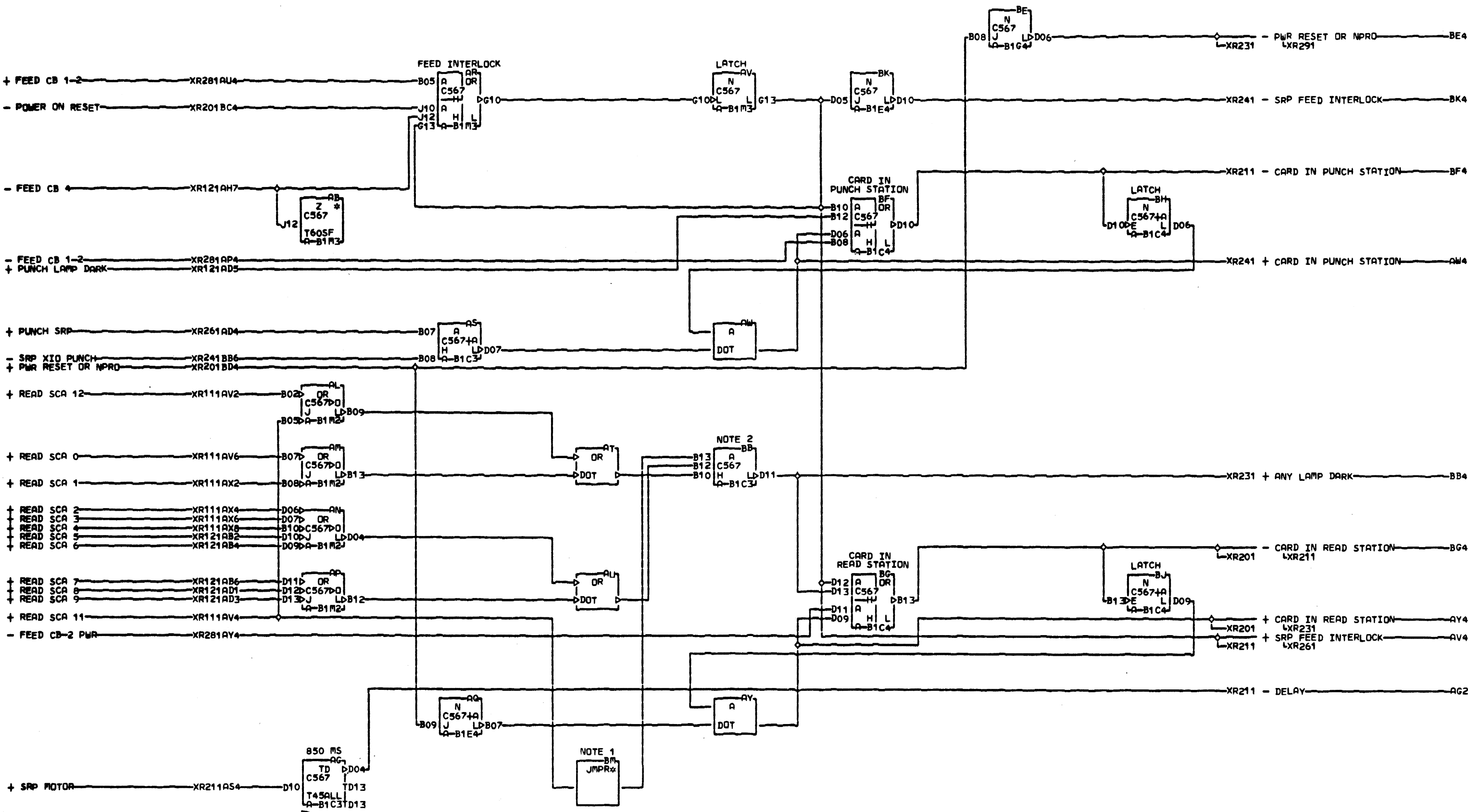


XR211  
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AS4 RESISTOR  
A-B1B3D06  
AV4 A-B1A3D11  
AW4 A-B1A3B10

LOC. TYPE  
A-B1B3 7310  
A-B1J4 0000  
A-B1L4 3421

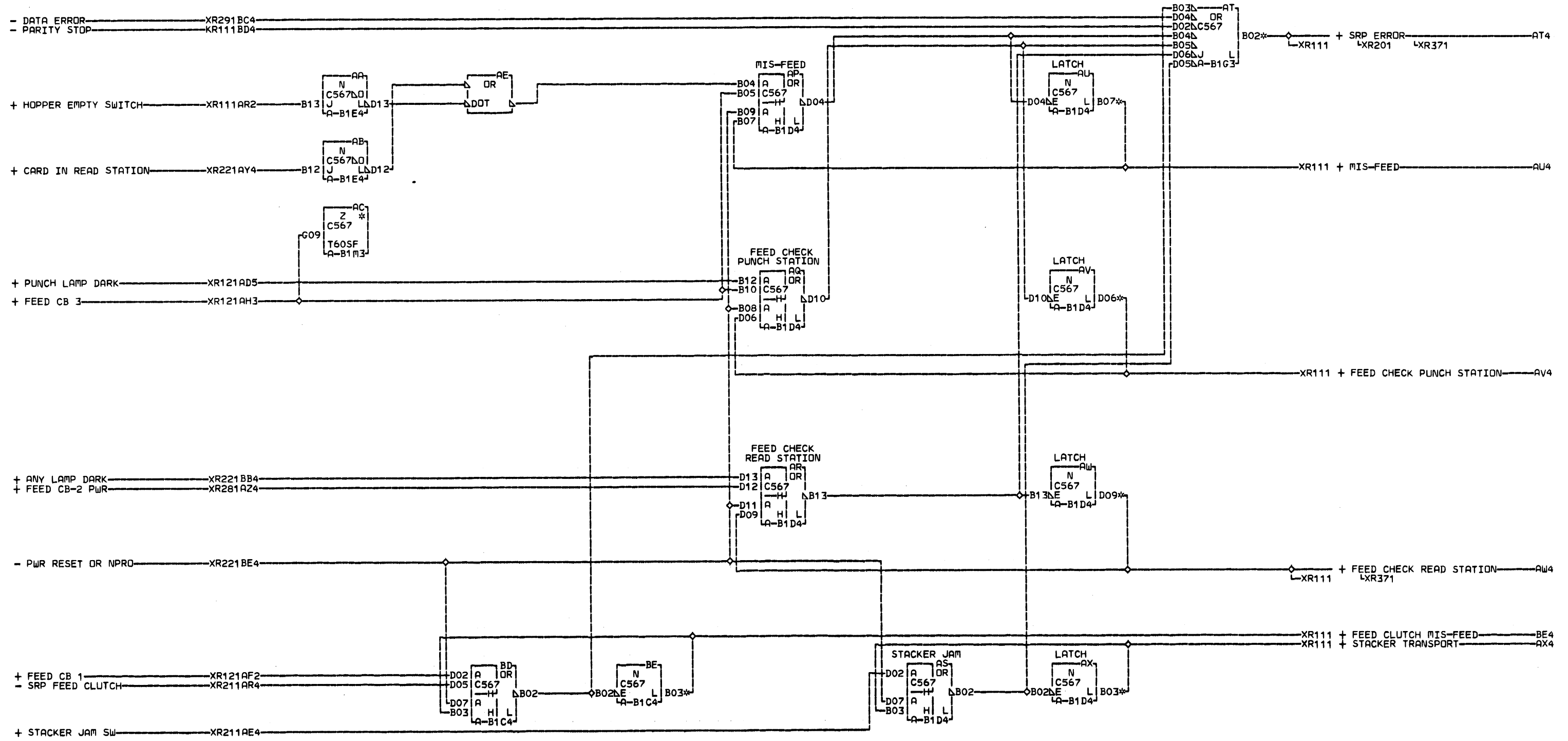
SRP MOTOR FEED CLUTCH LATCHES		X R 2 1 1 000
---E.C.---HISTORY	MACH#1131-B	
419631	FRAME 01	
	IBM CORP. GPD	
DATE LAST EC	P.N. 2231437	
11-11-66 419644		



NOTE 1 THIS JUMPER REQUIRED ON SYSTEMS WITH A 1442 MOD 5  
 NOTE 2 PINS A-B1C3B12 AND A-B1C3B10 ARE NOT CONNECTED ON SYSTEMS WITH A 1442 MOD 5

LOC.	TYPE
A-B1C3	3656
A-B1C4	3130
A-B1E4	3421
A-B1G4	3686
A-B1M2	3404
A-B1M3	6225

SRP FEED INTLK-CARD IN PCH STA		MACH. 1131-B	X R 2 2 1
CARD IN RD STA-ANY LAMP DARK			
E.C. HISTORY			
419631			
419644		FRAME	01
419644A		IBM CORP. GPD	
DATE	LAST EC		
06-23-67	419664	P.No.	2231255

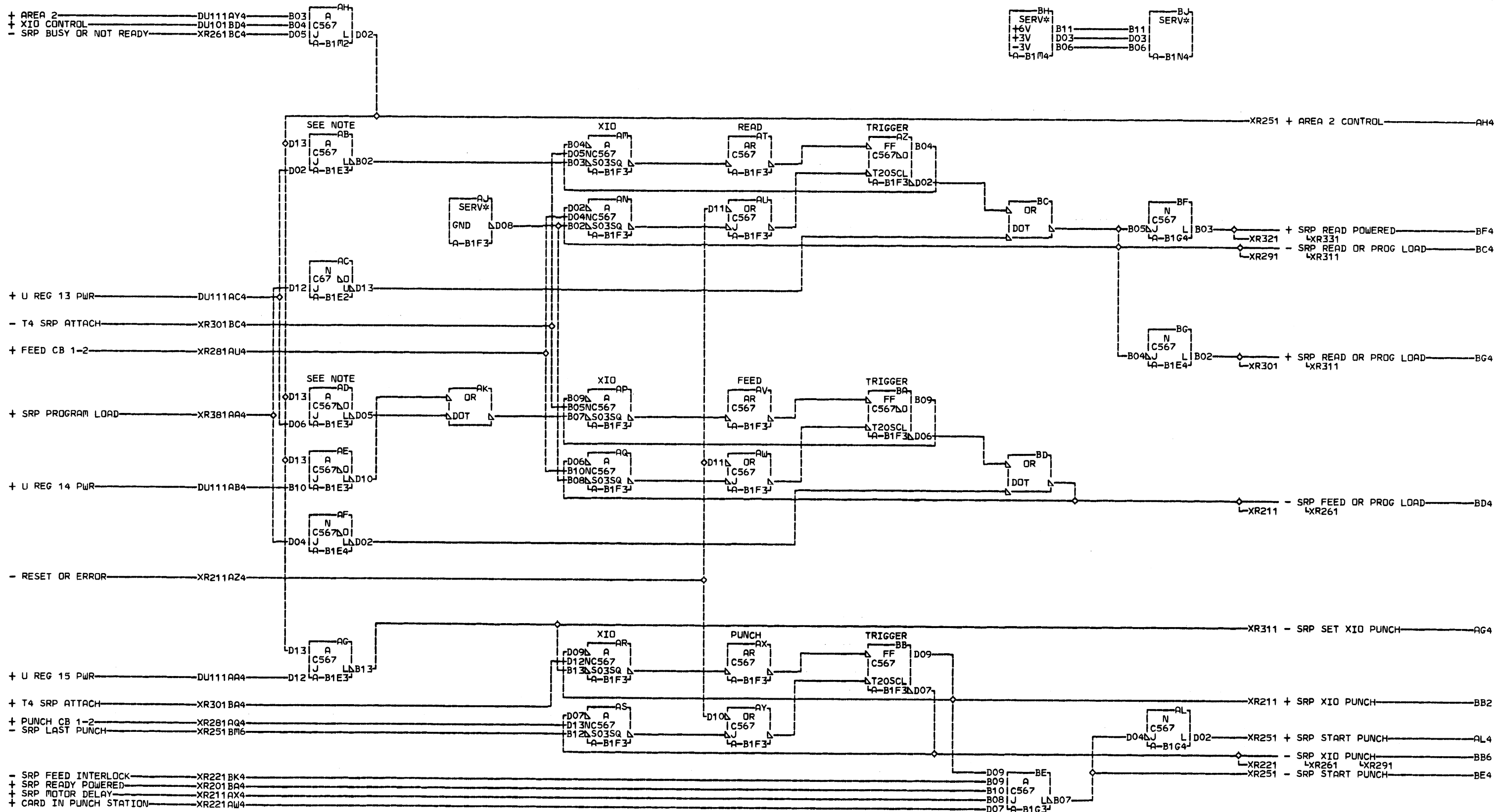


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AT4 A-B1A4B04  
 AU4 A-B1A4B07  
 AV4 A-B1A4D06  
 AW4 A-B1A4D09  
 AX4 A-B1A4B03  
 BE4 A-B1A4B05

LOC. TYPE  
 A-B1C4 3130  
 A-B1D4 3130  
 A-B1E4 3421  
 A-B1G3 0247  
 A-B1M3 6225

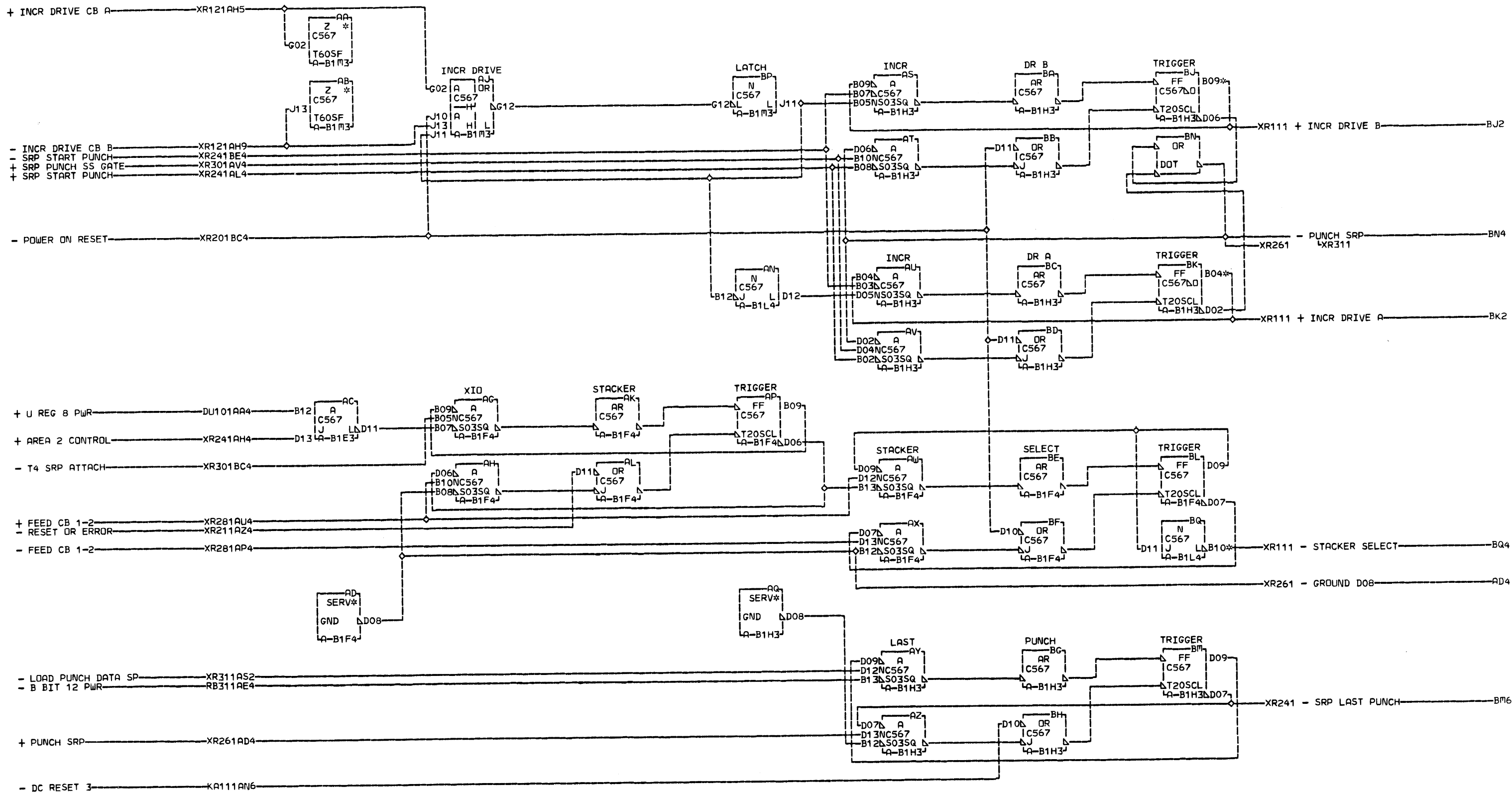
SRP ERROR	CHK-MISFEED	STACKER	
JAM	FEED CHK READ AND PCH STA		
EoC-HISTORY		MACH-1131-B	
		FRAME	01
		IBM CORP. GPD	
DATE	LAST EC		
09-02-66	419631	P.No	2231256



NOTE PINS A-B1E3D02 AND A-B1E3D06 ARE DISCONNECTED AND GROUNDED ON SYSTEMS WITH A 1442 MOD 5. CARD AT 2 A-B1E2 IS NOT PRESENT ON 4 SYSTEMS WITH A 1442 MOD 5 1

LOC.	TYPE
A-B1E2	3028
A-B1E3	4025
A-B1E4	3421
A-B1F3	3794
A-B1G3	0247
A-B1G4	3686
A-B1M2	3404

SRP AREA 2 CTRL-XIO READ		X
XIO FEED-XIO PUNCH		R
E-C-HISTORY		2
419631	MACH#1131-B	4
419644	FRAME	1
419644A		1
DATE LAST EC		000
06-23-67	419664	
P#N. 2231257		

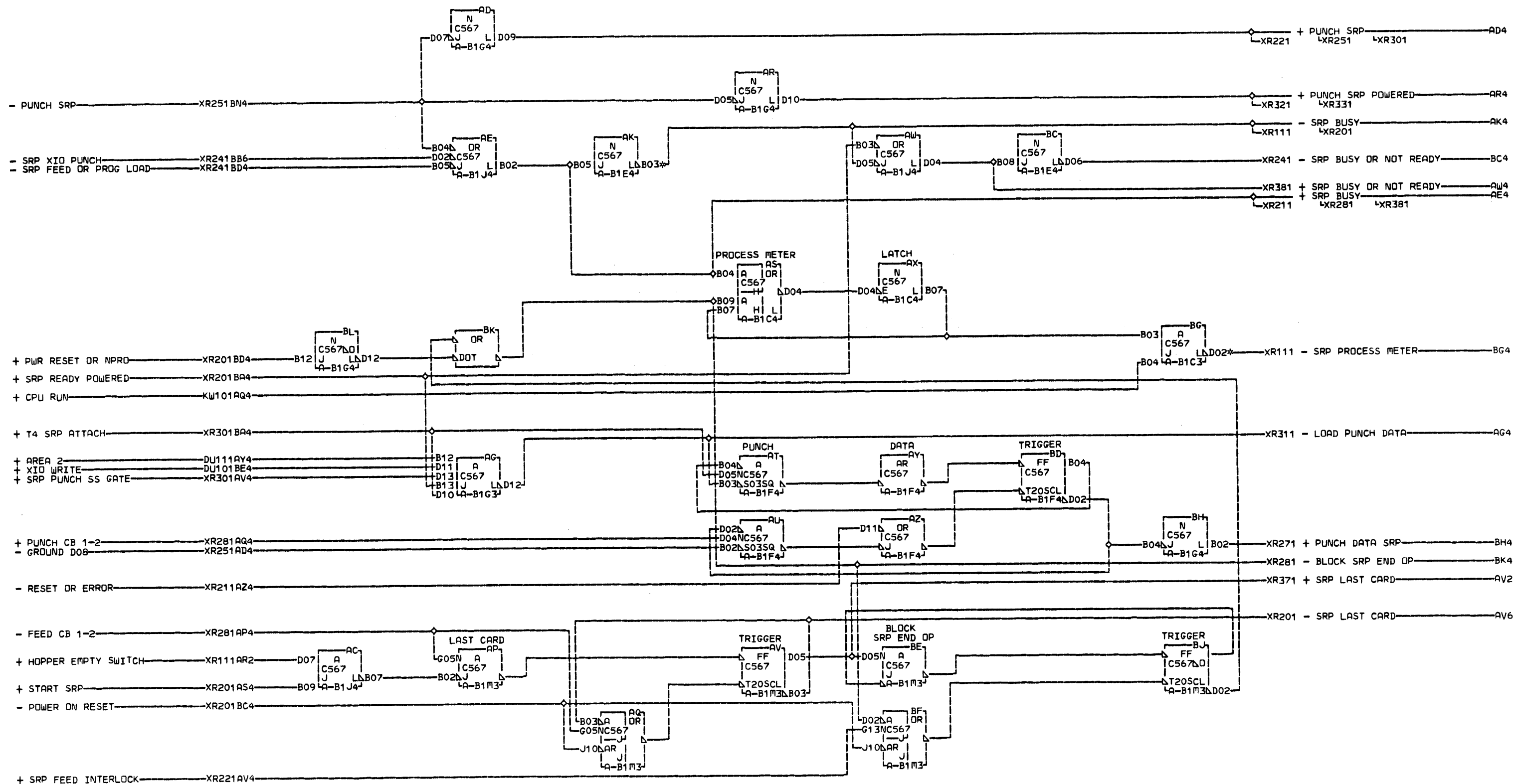


BJ2 A-B1A4D02  
 BK2 A-B1A4B02  
 BQ4 A-B1A4D07

LOC. TYPE  
 A-B1E3 4025  
 A-B1F4 3794  
 A-B1H3 3794  
 A-B1L4 3421  
 A-B1M3 6225

SRP INCR DRIVE A AND B-		X R 2 5 1
STACKER SEL-LAST PUNCH		
E.C.-HISTORY MACH-1131-B		1
FRAME 01		
IBM CORP. GPD		000
DATE LAST EC	P.N. 2231438	
09-02-66 419631		

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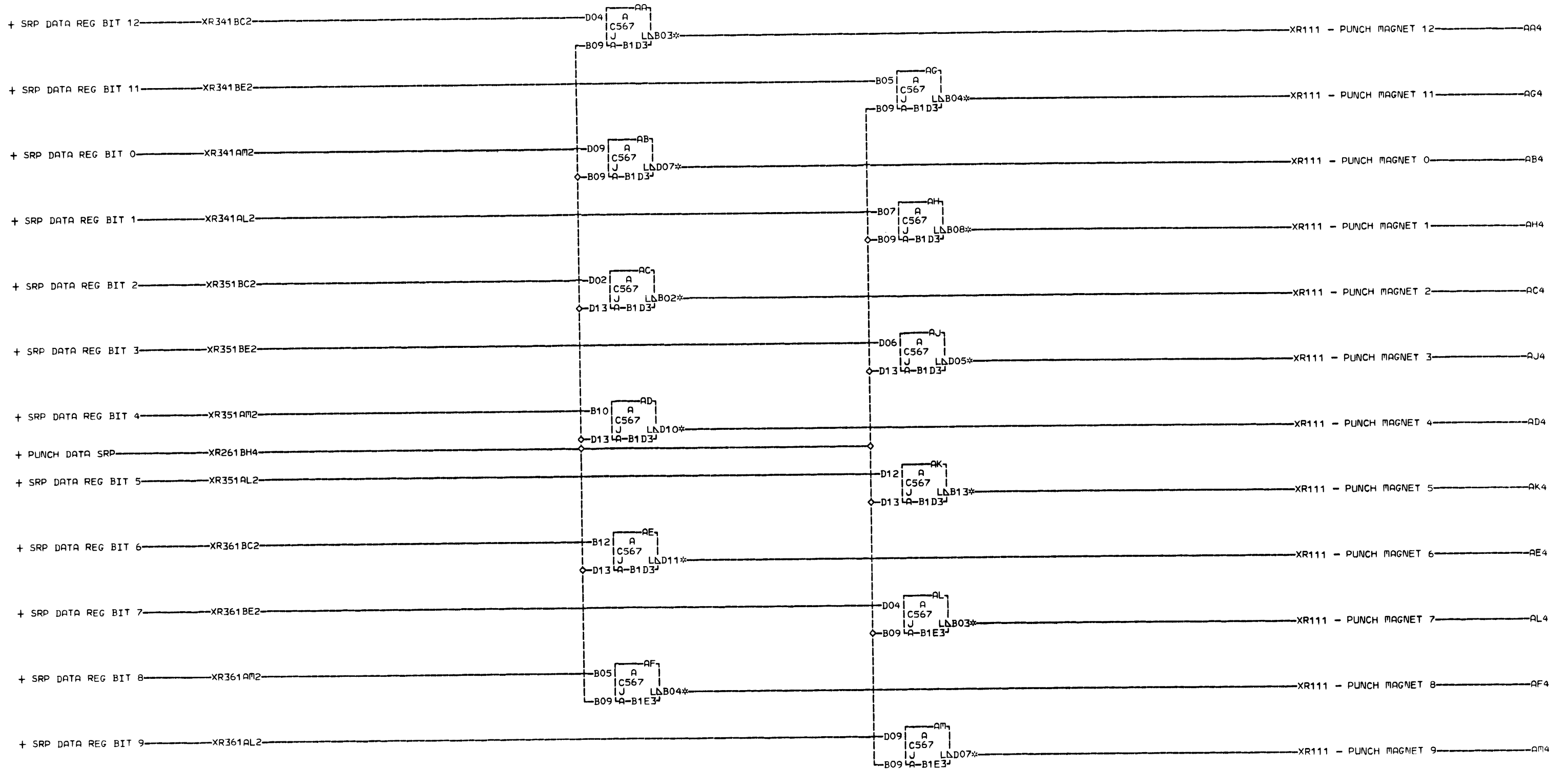


AK4 A-B1A4B08  
BG4 A-B1A3B02

LOC. TYPE  
A-B1C3 3656  
A-B1C4 3130  
A-B1E4 3421  
A-B1F4 3794  
A-B1G3 0247  
A-B1G4 3686  
A-B1J4 0000  
A-B1M3 6225

SRP PUNCH-PCH DATA-BUSY-		X
PROC METER-LAST CARD-BLOCK INT		
E.C.-HISTORY		R
MACH.1131-B		
419631		2
FRAME 01		
		6
		1
IBM CORP. GPD		
DATE	LAST EC	000
06-23-67	419664	
P.No. 2231439		

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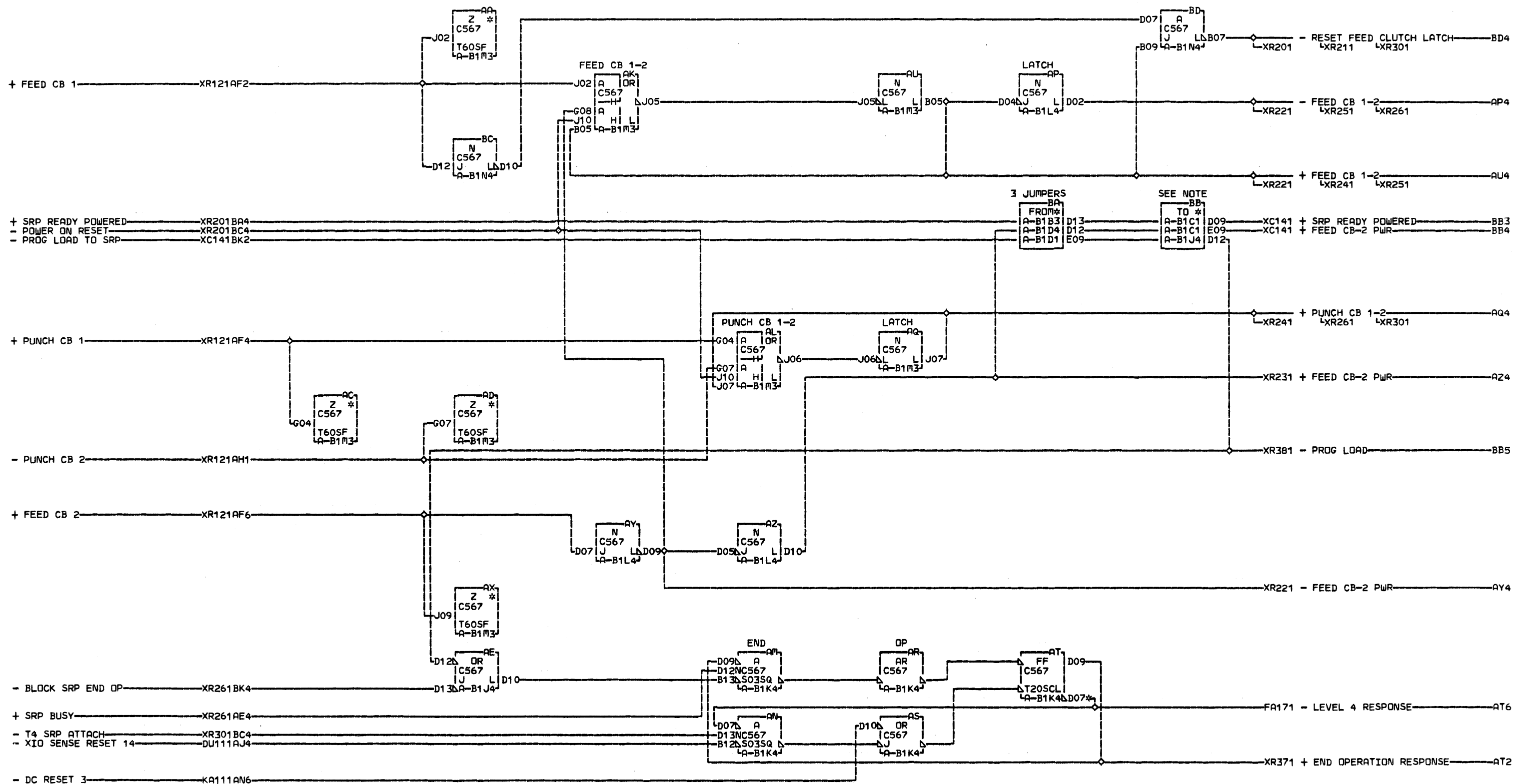
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AA4 A-B1A3D02 AK4 A-B1A3B07  
 AB4 A-B1A3B04 AL4 A-B1A3B08  
 AC4 A-B1A3B05 AM4 A-B1A3D09  
 AD4 A-B1A3D06  
 AE4 A-B1A3D07  
 AF4 A-B1A3B09  
 AG4 A-B1A3B03  
 AH4 A-B1A3D04  
 AJ4 A-B1A3D05

LOC. TYPE  
 A-B1D3 4025  
 A-B1E3 4025

SRP PUNCH MAGNET GATES	
E•C•-HISTORY	MACH•1131-B
FRAME	01
IBM CORP. GPD	
DATE 109-02-66	LAST EC 419631
P•N• 2231440	

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NOTE. THESE 3 JUMPERS ARE  
REQUIRED ON MACHINES  
WITH A 1442 AND NO  
2501

AT6 A-B1F1C11  
01A-C1F1C11  
01A-B1F1D11  
01A-C1F1D11

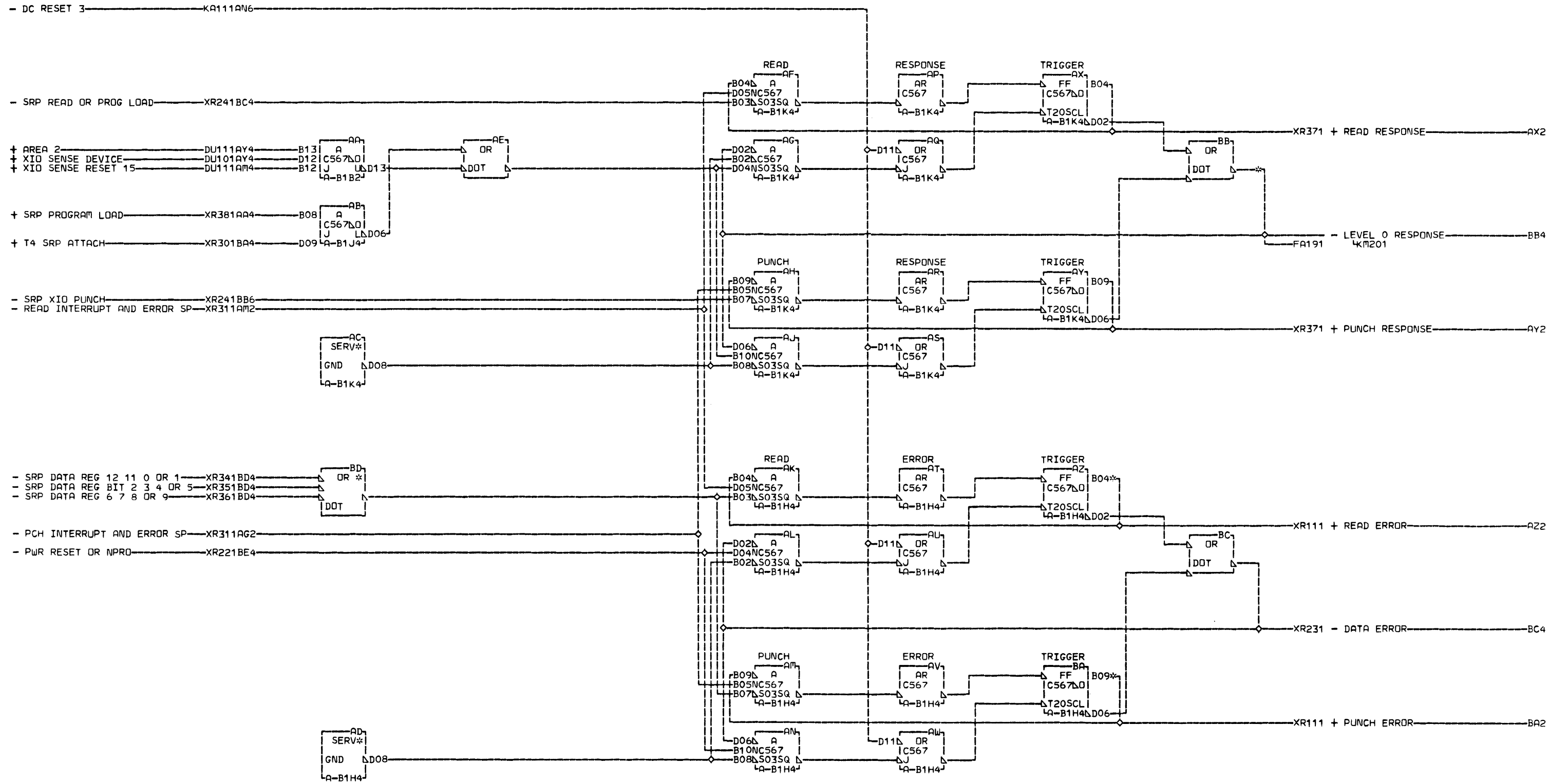
LOC. TYPE  
A-B1J4 0000  
A-B1K4 3794  
A-B1L4 3421  
A-B1M3 6225  
A-B1N4 0000

SRP FEED CB 1-2 - LVL 4 RESP		
PUNCH CB 1-2		
---E.C.---HISTORY---	MACH#1131-B	
419631		
419644	FRAME	01
419644A		
	IBM CORP. GPD	
DATE	LAST EC	
06-23-67	419664	
	IP#N#	2231261

X  
R  
2  
8  
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000

X  
R  
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000



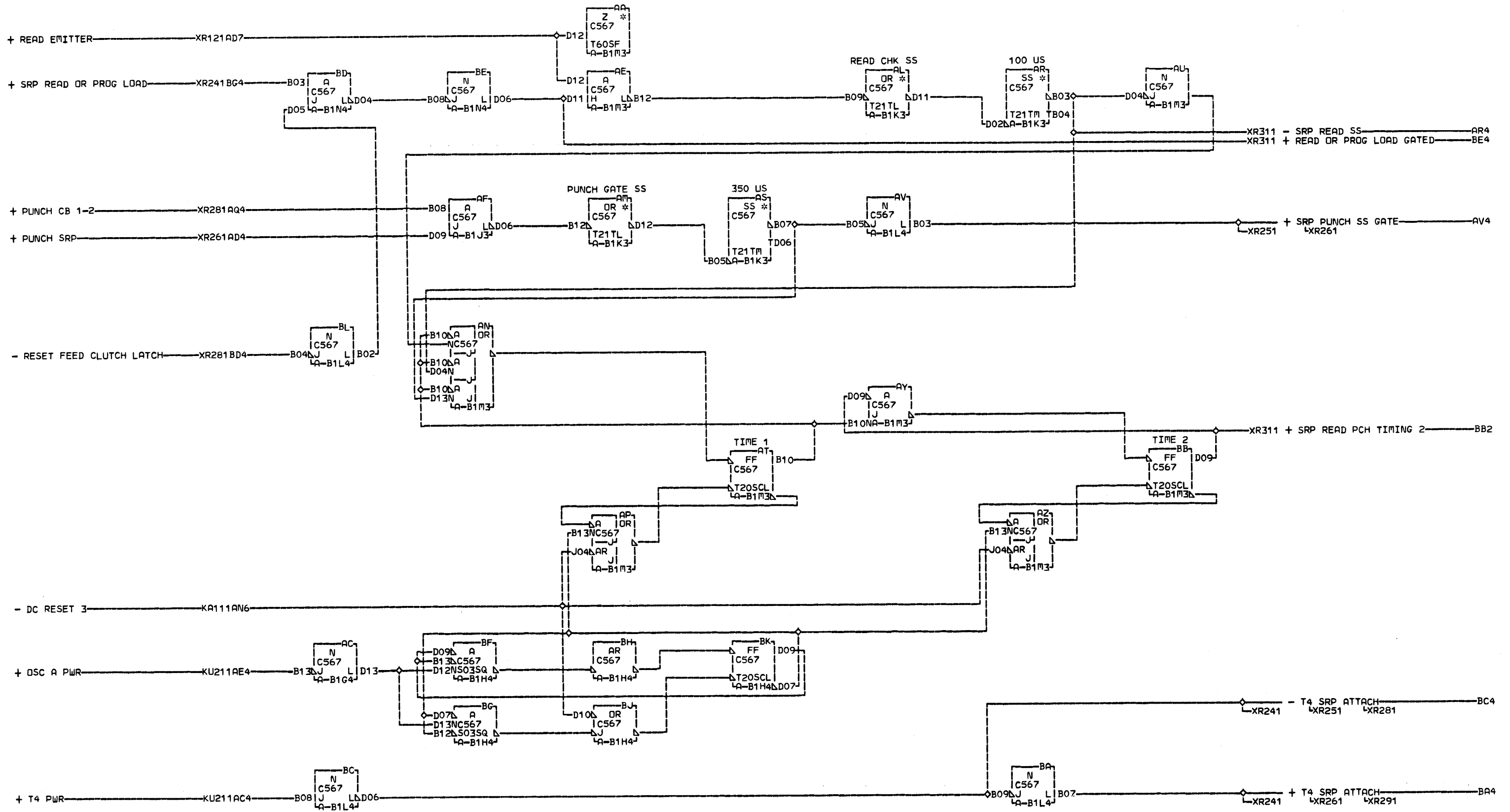


X  
R  
2  
9  
1  
  
000

AZ2 A-B1A4D04  
BA2 A-B1A4B09  
BB4 A-B1D1A09  
01A-C1D1A09  
01A-C1N4D09  
01B-A1A6D09

LOC. TYPE  
A-B1B2 3028  
A-B1H4 3794  
A-B1J4 0000  
A-B1K4 3794

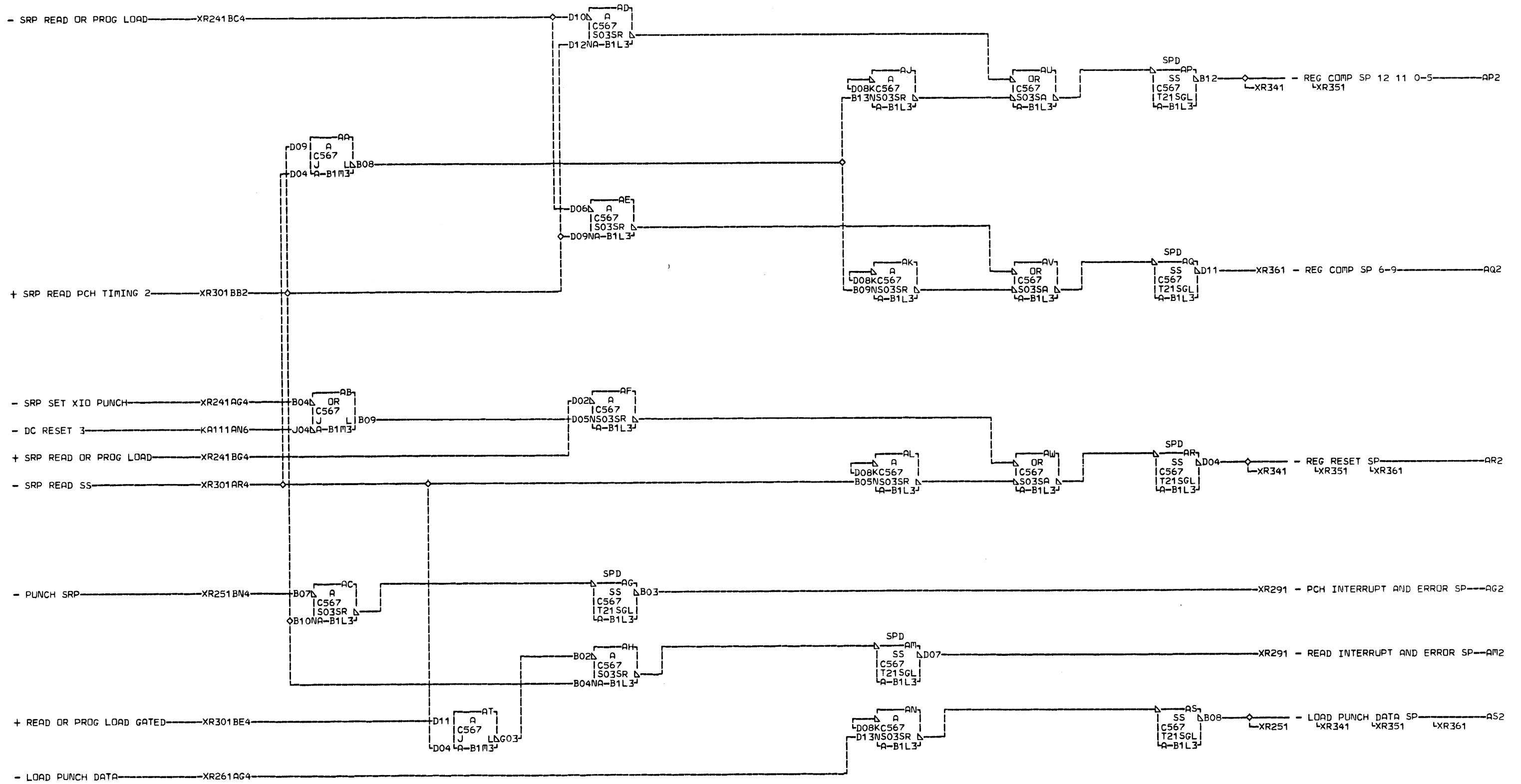
SRP READ PUNCH LVL 0 RESP		X
READ PUNCH DATA ERROR		
E.C. HISTORY	MACH. 11 31-B	R
419631	FRAME 01	2
	IBM CORP. GPD	9
DATE LAST EC	P.N. 2231262	1
103-10-67 419648		000



X  
R NOTE 2 SINGLE SHOT  
3 ADJUSTMENT POTS ARE  
0 SITUATED AS FOLLOWS  
1 READ CHK SS - UPPER POT  
PUNCH GATE SS - LOWER POT  
000

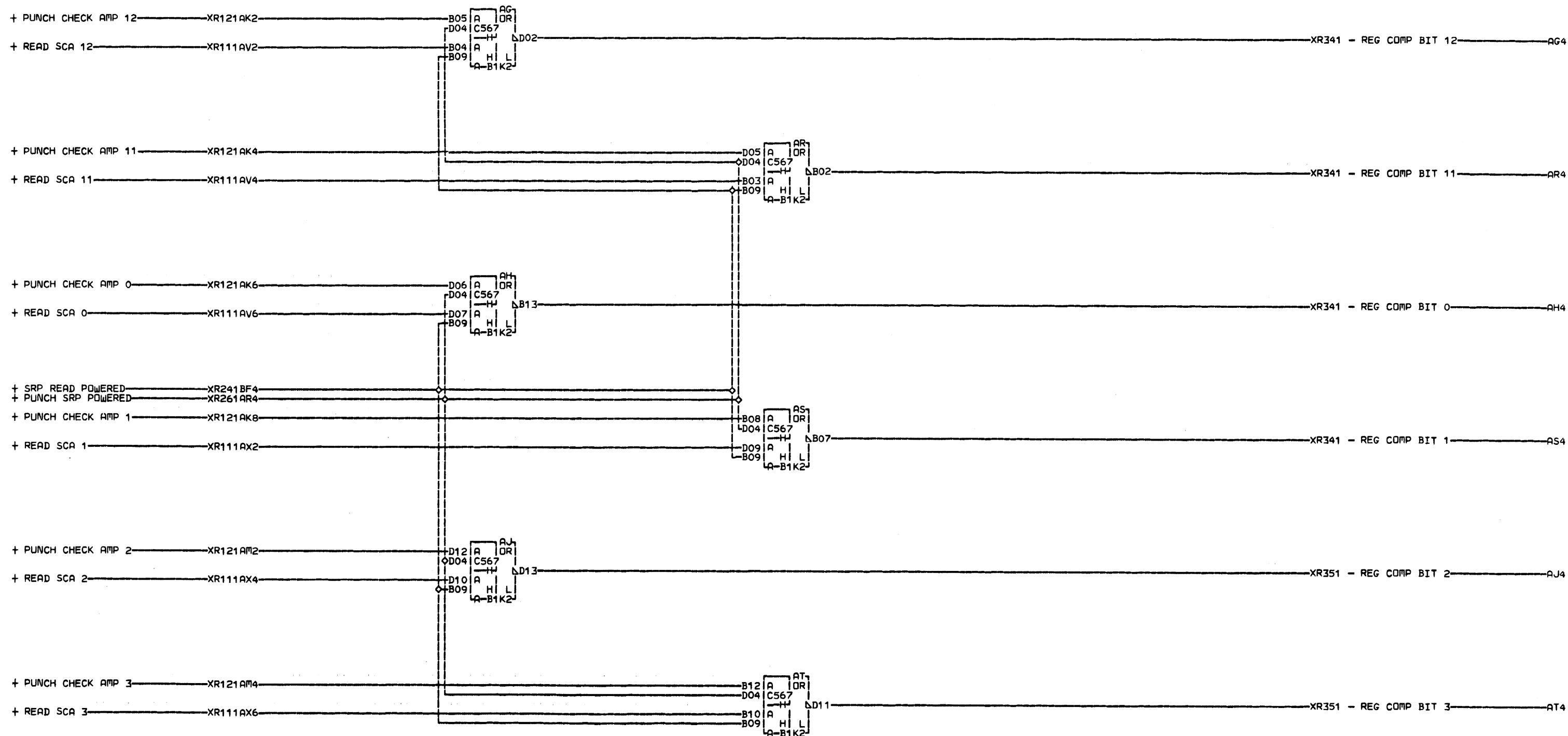
LOC. TYPE  
A-B1G4 3686  
A-B1H4 3794  
A-B1J3 0000  
A-B1K3 3816  
A-B1L4 3421  
A-B1M3 6225  
A-B1N4 0000

SRP SS 1-SS 2-TGR 1-TGR 2		X R 3 0 1 000
CLOCK A		
E.C.-HISTORY	MACH.1131-B	
419631	FRAME 01	
DATE LAST EC	IBM CORP. GPD	
11-11-66 419644	P.No. 2231441	



LOC. TYPE  
 A-B1L3 3757  
 A-B1M3 6225

SRP REG RESET COMP SPD-RD PCH			
INT-ERR SPD-LOAD PCH DATA SPD			
E-C-HISTORY	MACH.1131-B		
419631			
	FRAME	01	
	IBM CORP. GPD		
DATE LAST EC			
11-11-66 419644	P.N. 2231442		



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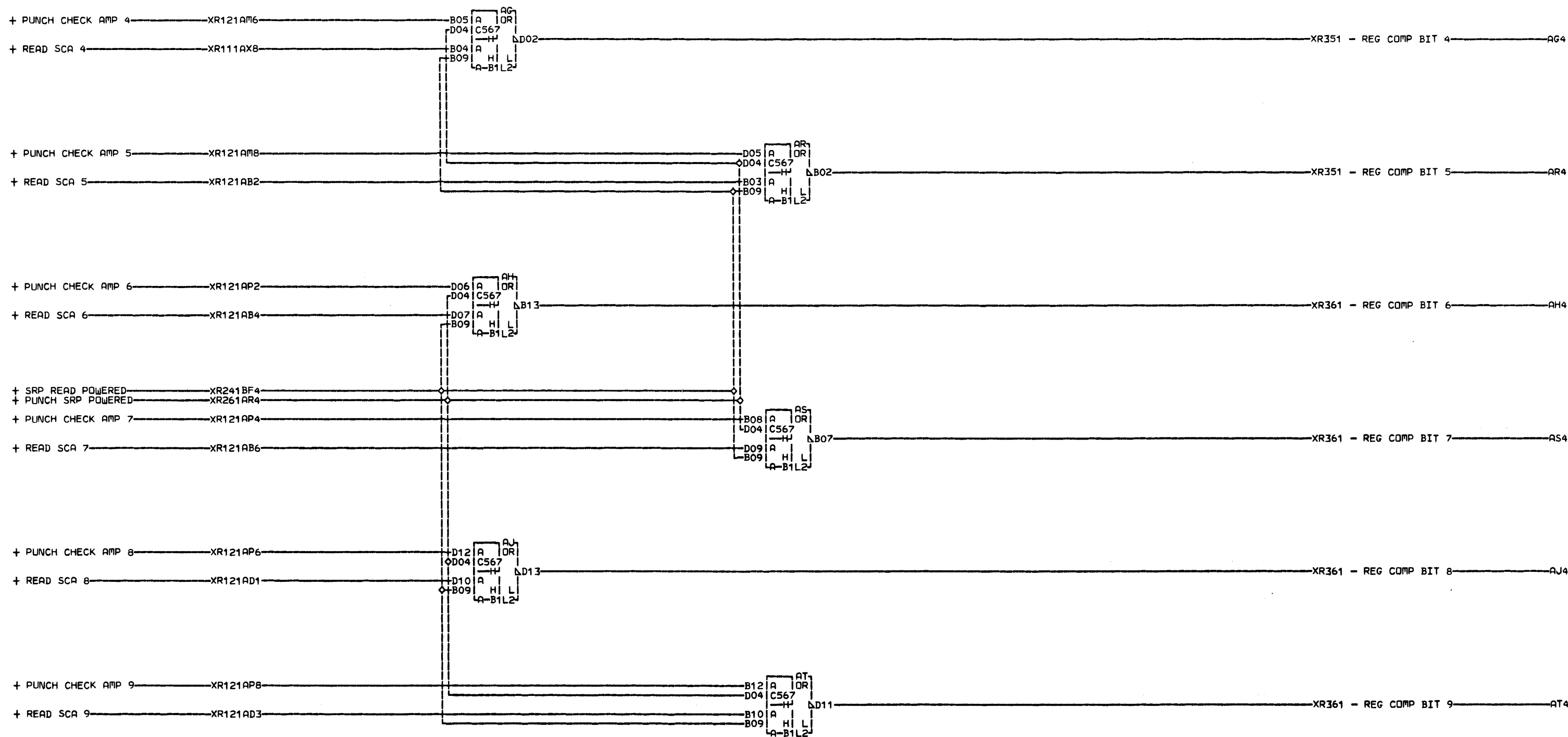
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LOC. TYPE  
A-B1K2 4005

SRP REGISTER COMPLEMENT BITS	
12 11 0 1 2 3	
E.C.-HISTORY	MACH#1131-B
FRAME	01
DATE	LAST EC
09-02-66	419631
P.N.	2231443

X  
R  
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1

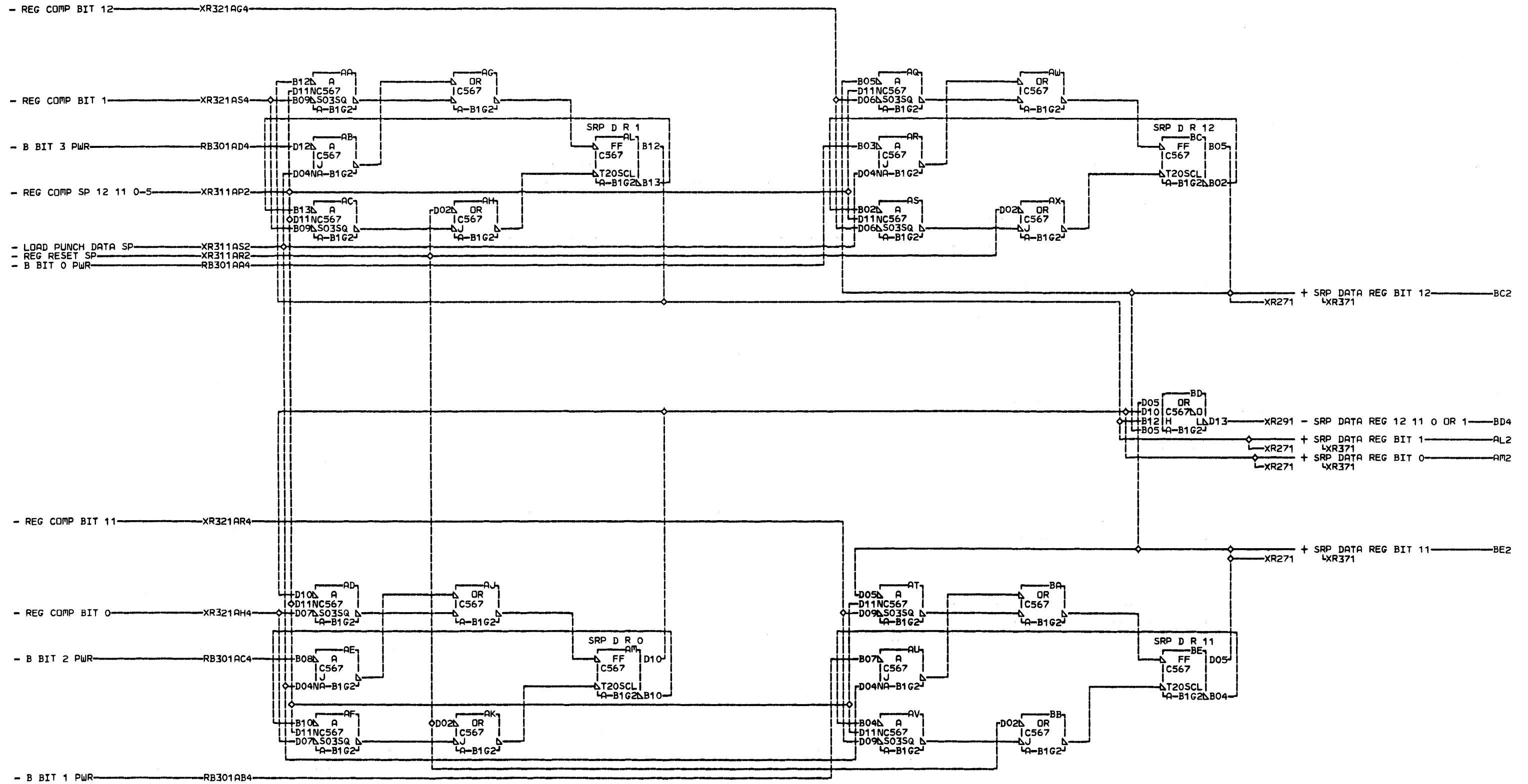
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XR331  
1  
000

LOC. TYPE  
A-B1L2 4005

SRP REGISTER COMPLEMENT BITS		X R 3 3 1
4 5 6 7 8 9		
-EoCo-HISTORY-	MACH.1131-B	
	FRAME 01	
	IBM CORP. GPD	
DATE 09-02-66	LAST EC 419631	000
	PeN# 2231444	

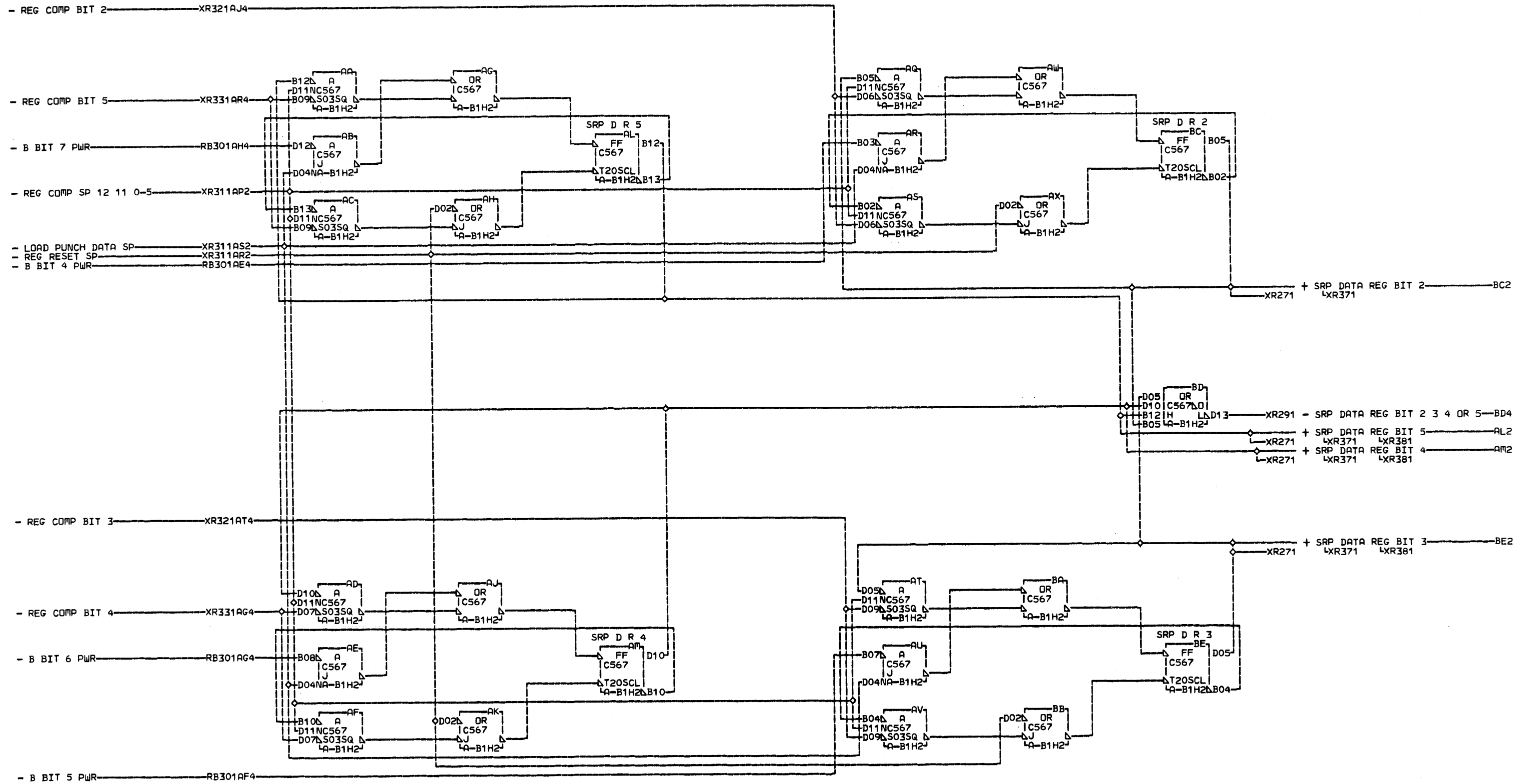


LOC. TYPE  
A-B1G2 6221

SRP BUFFER REGISTER	
BITS 12 11 0 1	
E.C.—HISTORY	MACH.1131-B
	FRAME 01
	IBM CORP. GPD
DATE LAST EC	PoN. 2231445
09-02-66 419631	

X  
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4  
1  
  
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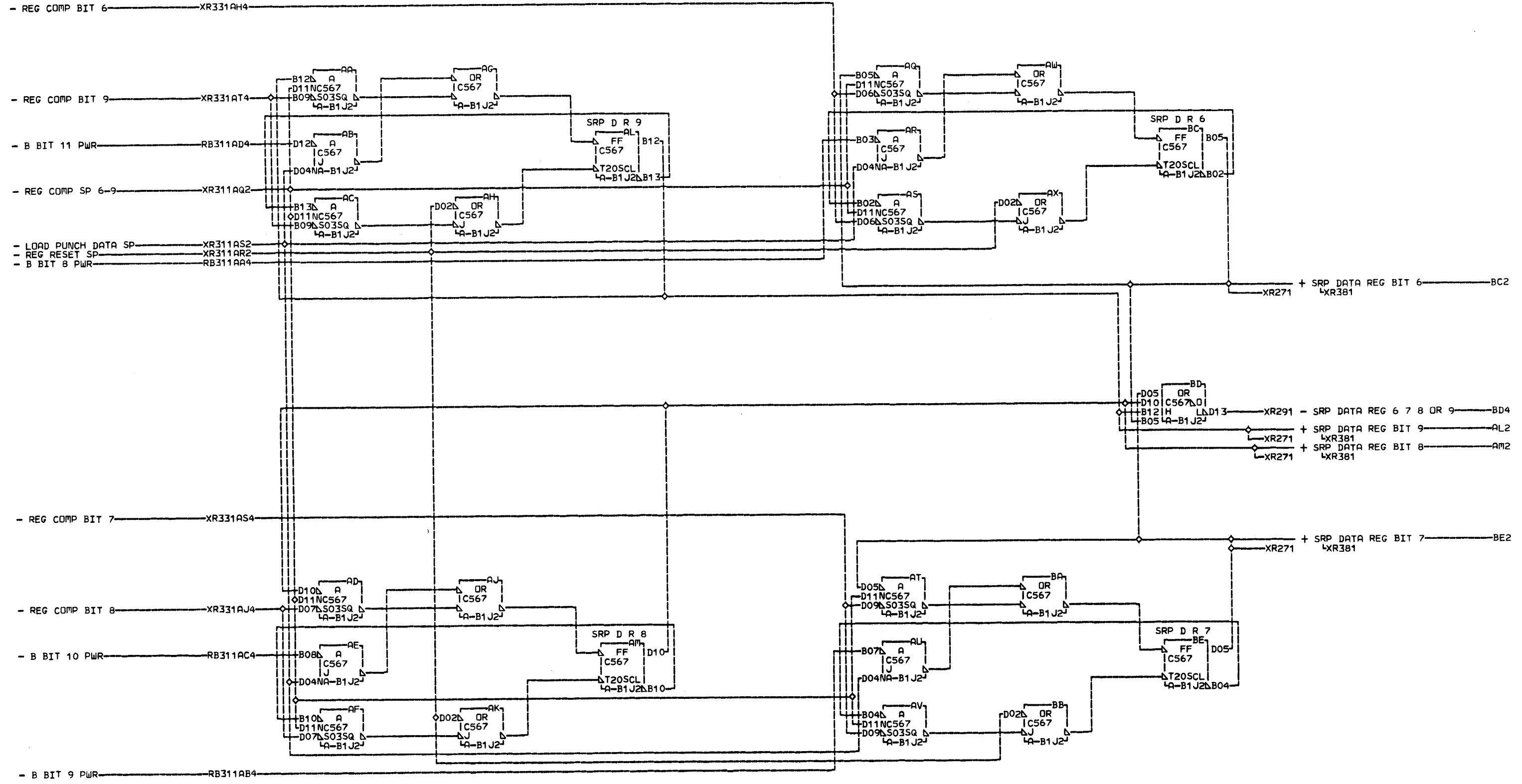
X  
R  
3  
4  
1  
  
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LOC. TYPE  
A-B1H2 6221

SRP BUFFER REGISTER		X R 3 5 1
BITS 2 3 4 5		
E.C. HISTORY 419631	MACH. 1131-B	000
DATE LAST EC 06-23-67 419664	FRAME 01	
	IBM CORP. GPD P.No. 2231446	

X  
R  
3  
5  
1  
  
000

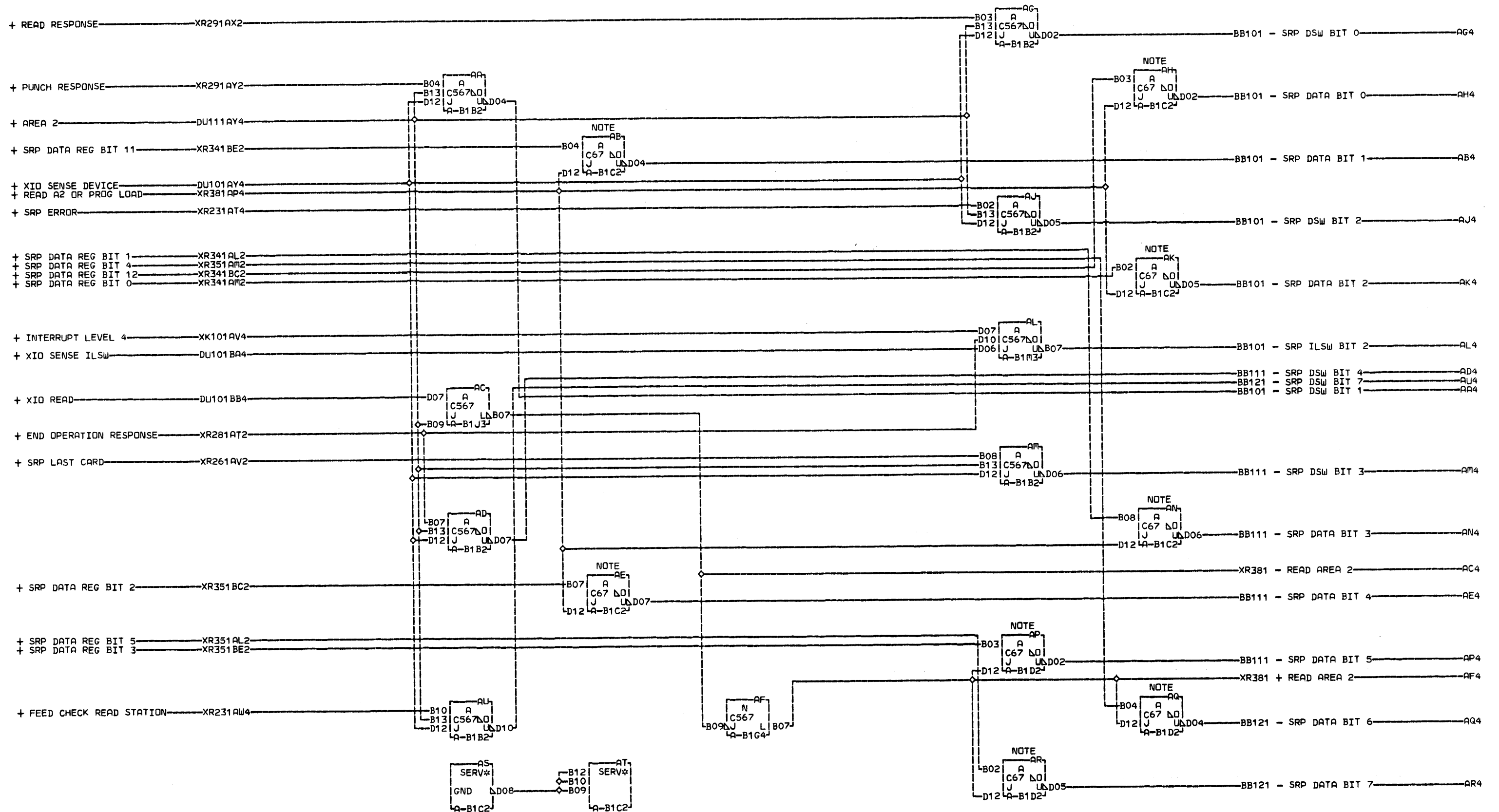


LOC. TYPE  
A-B1J2 6221

SRP BUFFER REGISTER		X R 3 6 1
BITS 6 7 8 9		
E.C. HISTORY 419631	MACH. 1131-B	000
	FRAME 01	
	IBM CORP. GPD	
DATE LAST EC 106-23-67 419664	P.N. 2231447	

X  
R  
3  
6  
1  
  
000





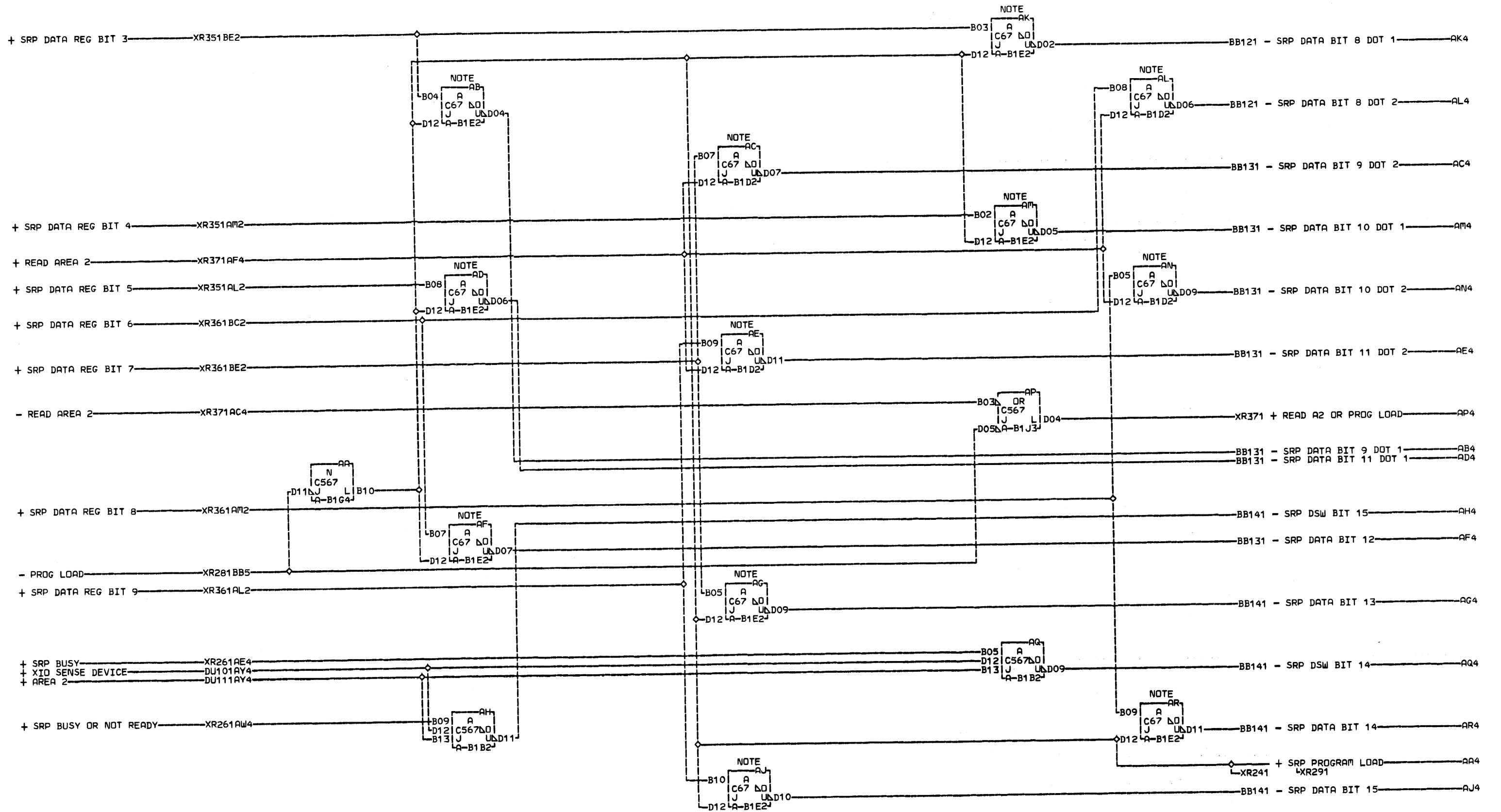
NOTE THIS CARD IS NOT  
INSERTED ON SYSTEMS  
WITH A 1442 MOD 5

X  
R  
3  
7  
1

000

LOC. TYPE  
A-B1B2 3028  
A-B1C2 3028  
A-B1D2 3028  
A-B1G4 3686  
A-B1J3 0000  
A-B1M3 6225

SRP DSW BITS AND DATA BITS		X
E.C. HISTORY		R
419631	MACH. 1131-B	3
419644	FRAME	7
419644A	IBM CORP. GPD	1
DATE LAST EC	P.N. 2231270	000
06-23-67 419664		



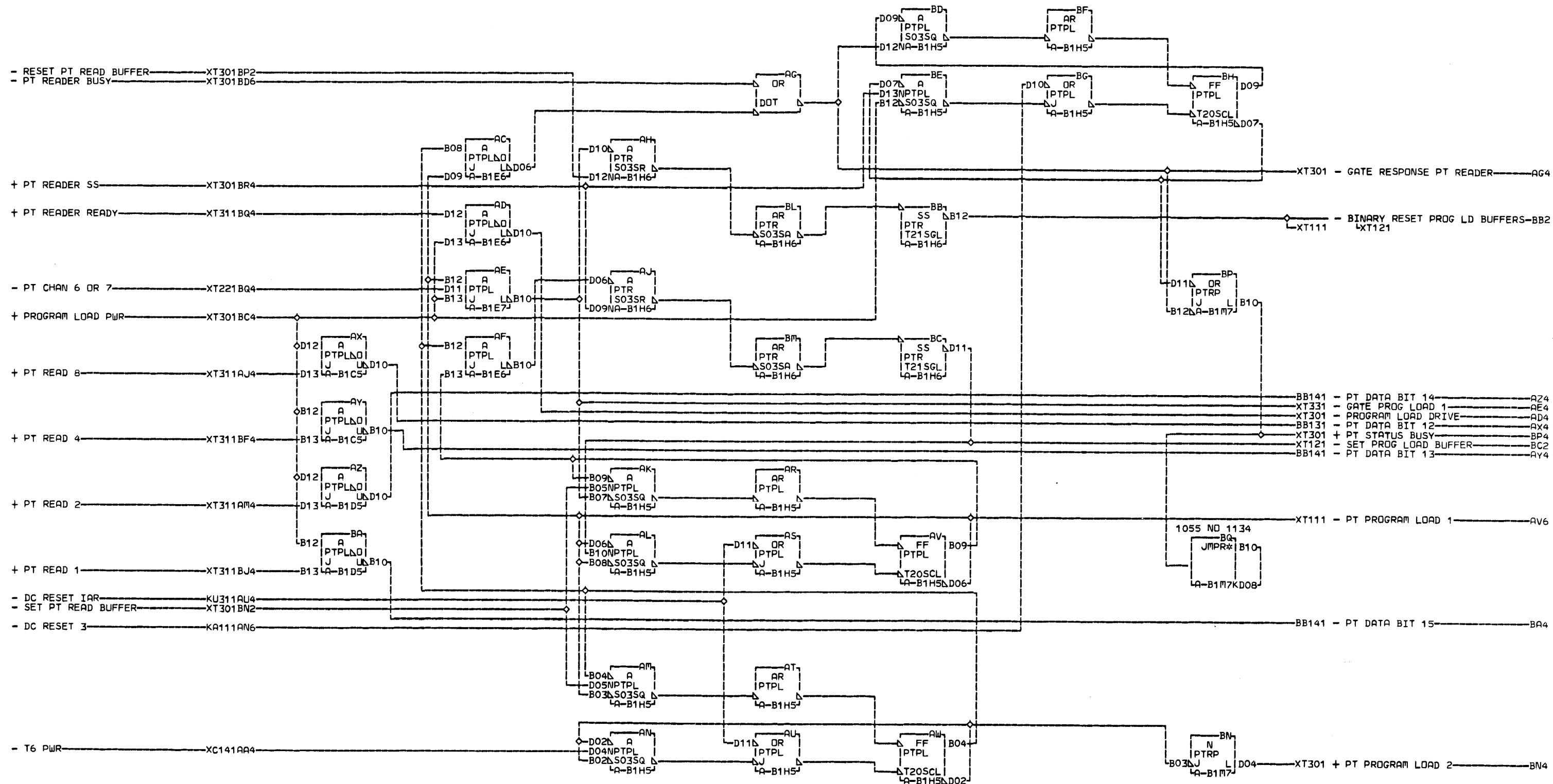
NOTE THIS CARD IS NOT  
INSERTED ON SYSTEMS  
WITH A 1442 MOD 5

X  
R  
3  
8  
1

000

LOC. TYPE  
A-B1B2 3028  
A-B1D2 3028  
A-B1E2 3028  
A-B1G4 3686  
A-B1J3 0000

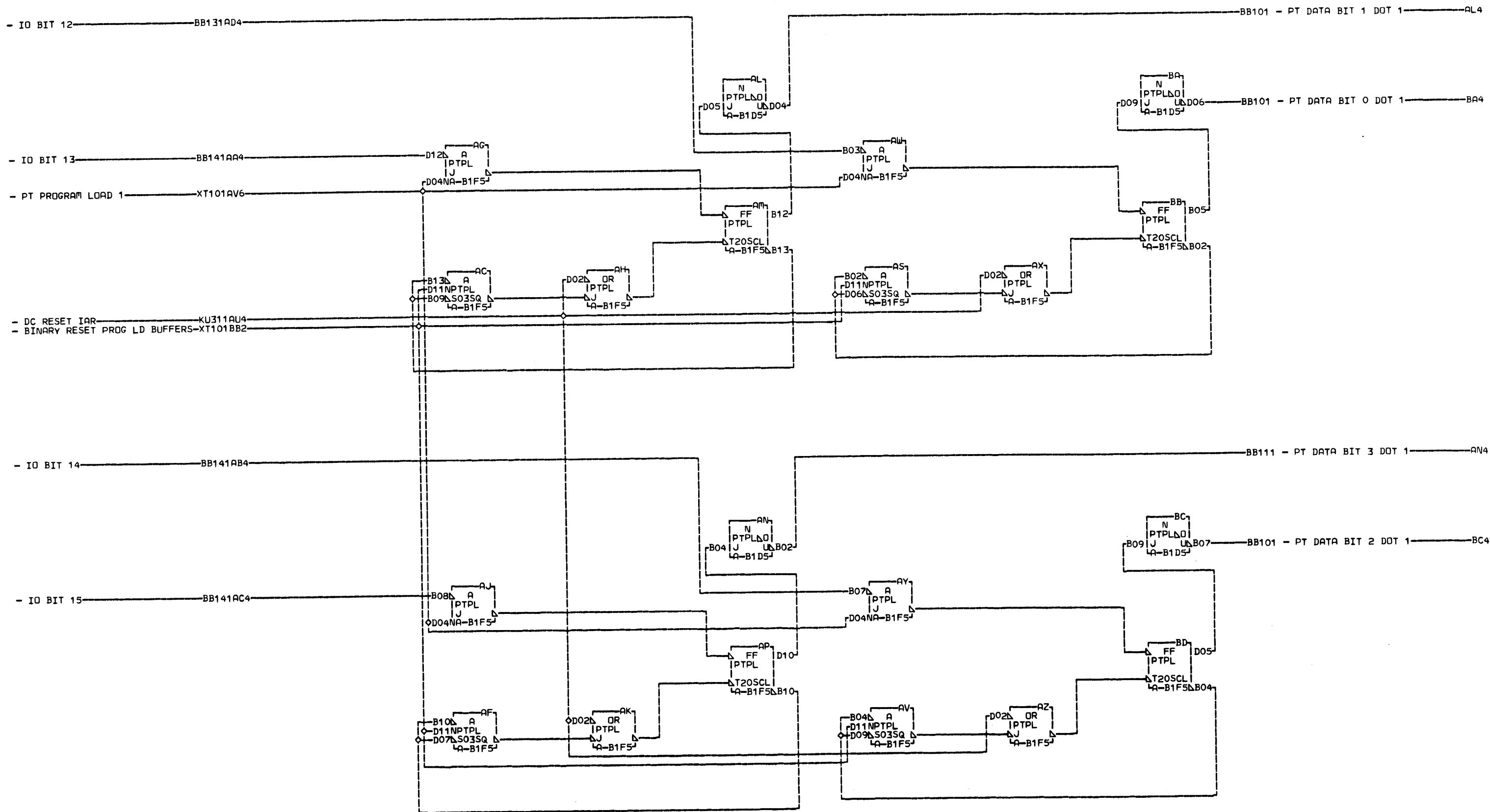
SRP DSW BITS AND DATA BITS		X
8	9 10 11 12 13 14 15	R
E.C. HISTORY	MACH. 1131-B	3
419631		8
419644A	FRAME	1
	IBM CORP. GPD	
DATE	LAST EC	000
06-23-67	419664	
	P.N. 2231271	



X  
T  
1  
0  
1  
000

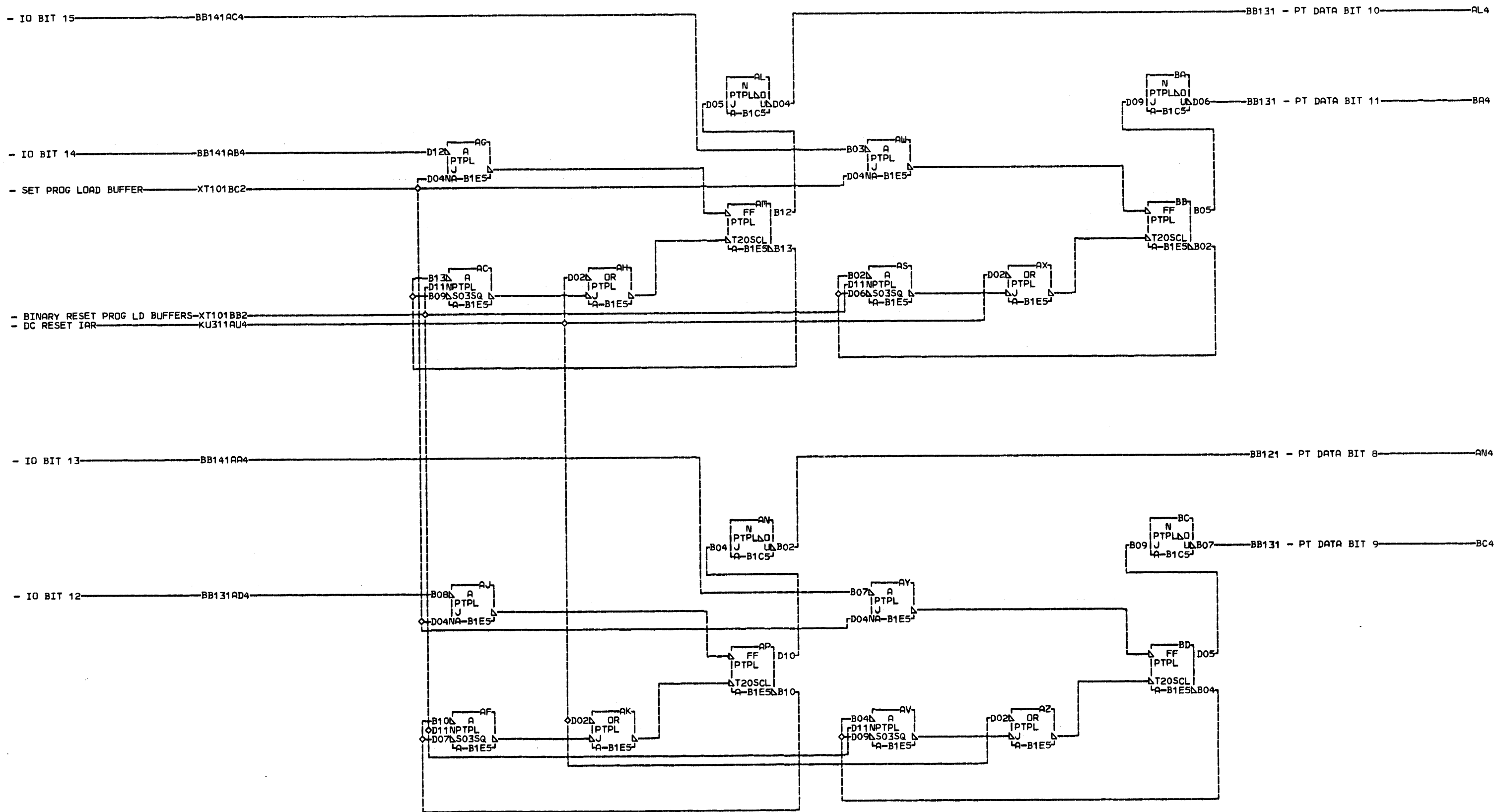
LOC# TYPE  
 A-B1C5 0236  
 A-B1D5 0236  
 A-B1E6 0000  
 A-B1E7 0000  
 A-B1H5 3794  
 A-B1H6 3757  
 A-B1M7 0000

PAPER TAPE PROGRAM LOAD		X
E-C-HISTORY	MACH#1131-B	T
419631	FRAME 01	1
	IBM CORP. GPD	1
DATE LAST EC	IP#N# 2231448	000
103-10-67 419648		



LOC. TYPE  
 A-B1D5 0236  
 A-B1F5 6221

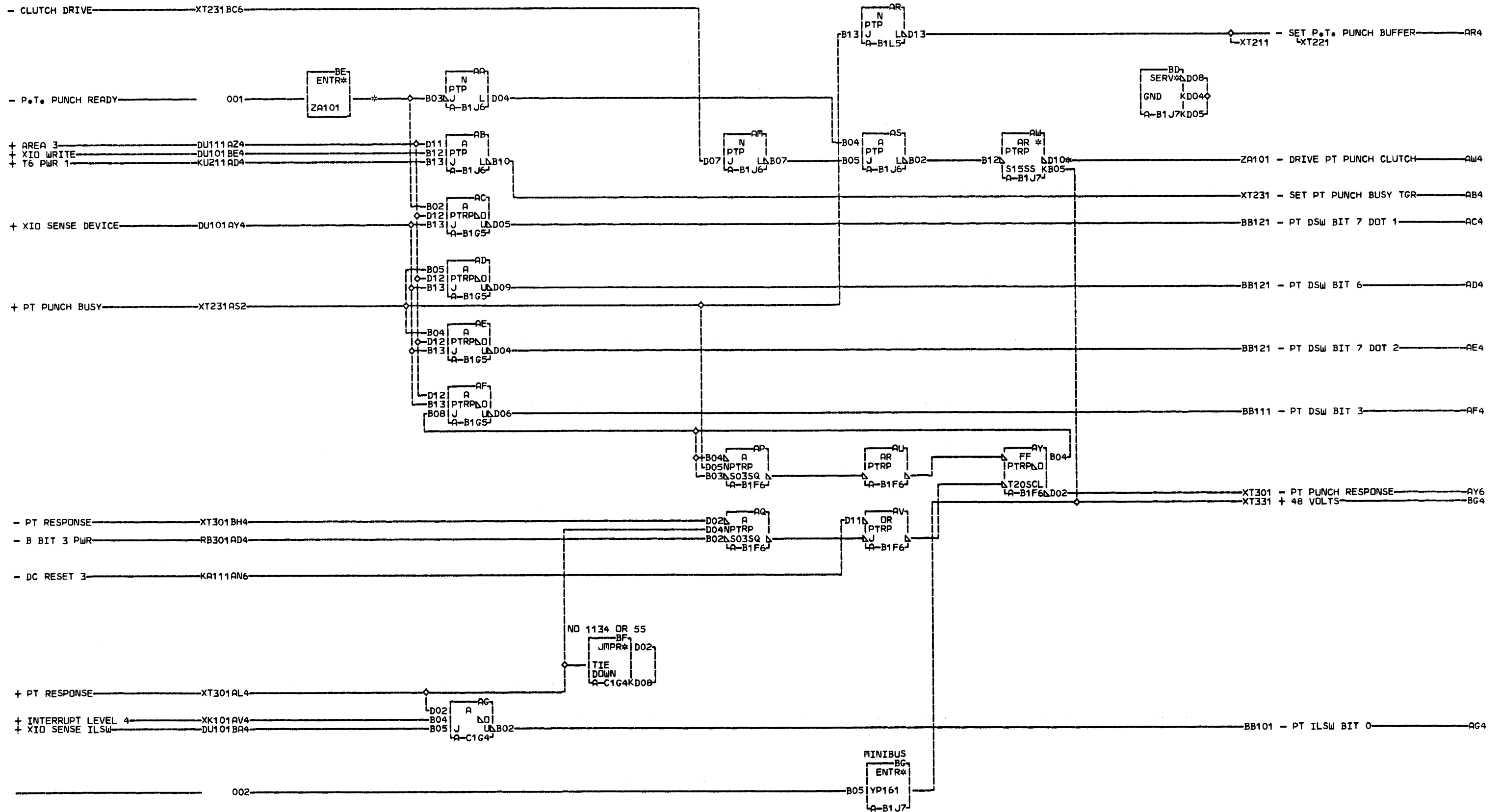
PAPER TAPE PROG LOAD BUFFERS		X T 1 1 1 000
BITS 0-3		
E.C.-HISTORY	MACH#1131-B	1
DATE	LAST EC	1
09-02-66	419631	1
	IBM CORP. GPD	1
	P.No. 2231449	000



LOC. TYPE  
 A-B1C5 0236  
 A-B1E5 6221

PAPER TAPE PROG LOAD BUFFERS		XT 1 2 1 000
BITS 8-11		
E-C-HISTORY	MACH-1131-B	
	FRAME 01	
	IBM CORP. GPD	
DATE LAST EC	P.No. 2231450	
09-02-66 419631		

X  
T  
1  
2  
1  
000



AW4 A-B1N5D04  
 BE4 A-B1N5B03

LOC. TYPE  
 A-B1F6 3794  
 A-B1G5 3028  
 A-B1J6 0000  
 A-B1J7 3819  
 A-B1L5 3421  
 A-C1G4 0236

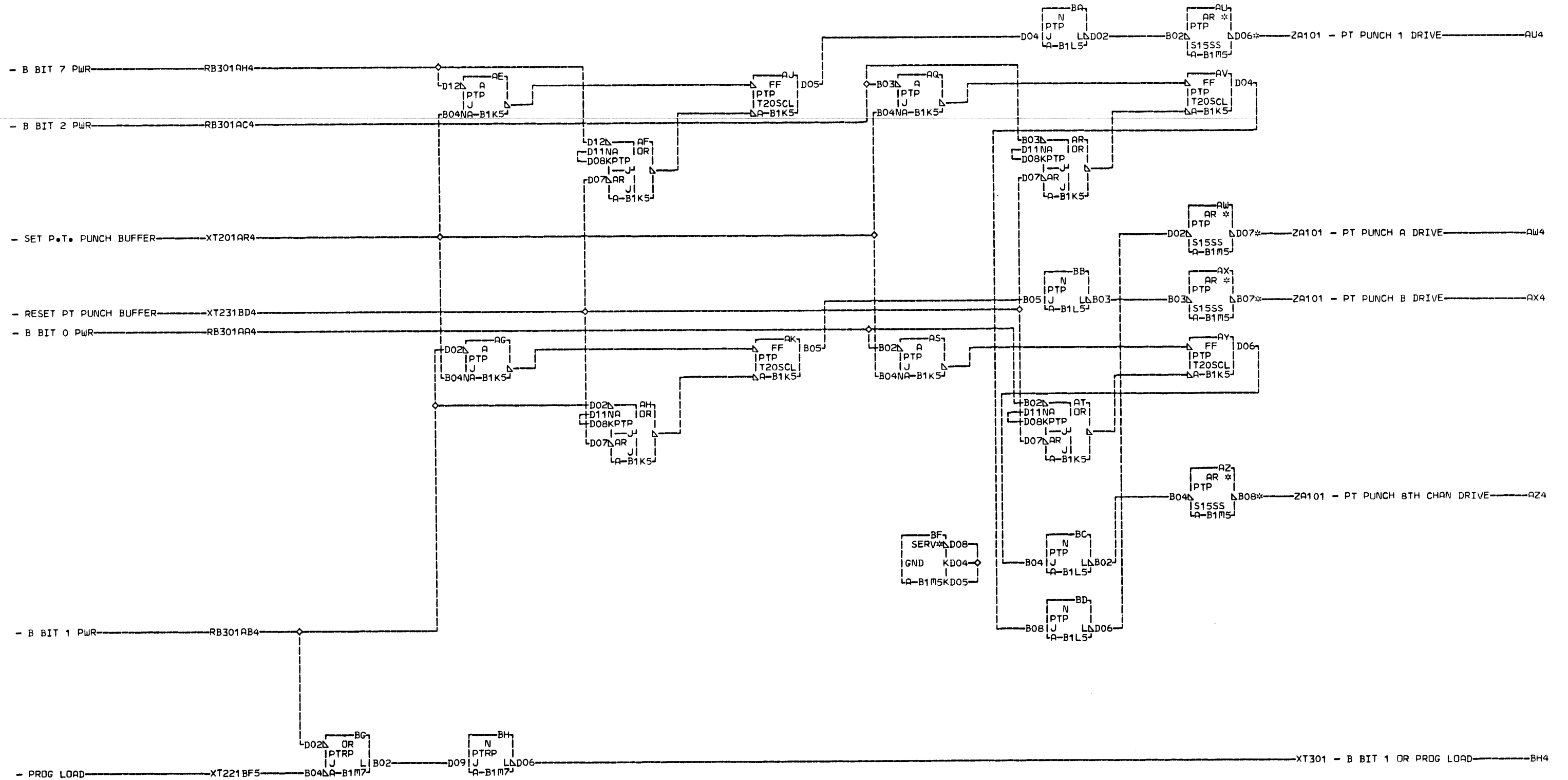
PAPER TAPE PUNCH		
E.C. HISTORY	MACH. 1131-B	
	FRAME	01
	IBM CORP. GPD	
DATE	LAST EC	
109-02-66	419631	
	P.N.	2231451

X  
T  
2  
0  
1

000

X  
T  
2  
0  
1

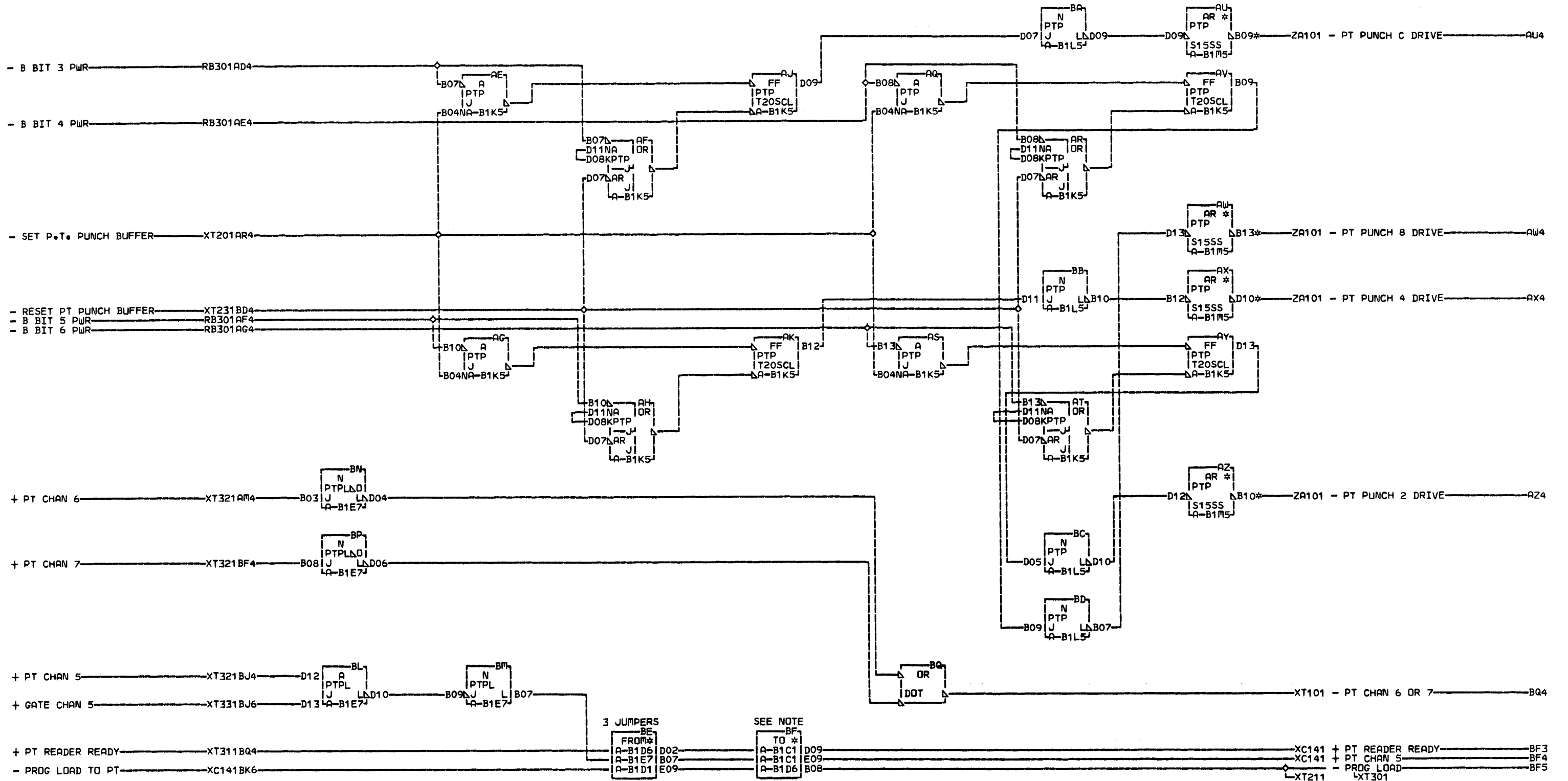
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AU4 A-B1N5D06  
 AW4 A-B1N5D07  
 AX4 A-B1N5B07  
 AZ4 A-B1N5B08

LOC. TYPE  
 A-B1K5 3763  
 A-B1L5 3421  
 A-B1M5 3819  
 A-B1M7 0000

PAPER TAPE PUNCH BUFFERS DRIVE			
1 A B 8TH			
-E.C.-HISTORY-		MACH. 1131-B	X
		FRAME	01
		IBM CORP. GPD	1
DATE	LAST EC	P.N. 2231452	000
09-02-66	419631		



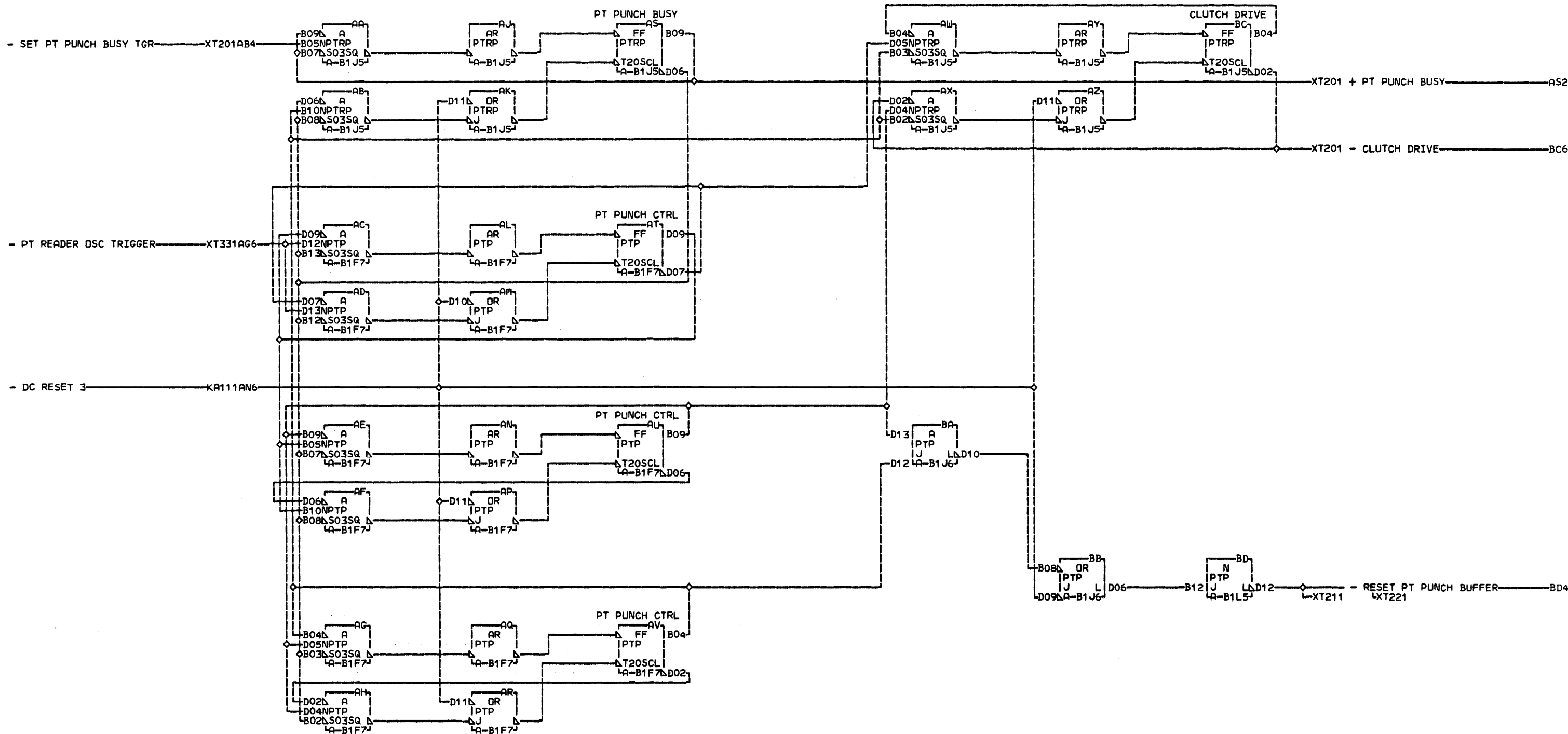
NOTE. THESE 3 JUMPERS ARE REQUIRED ON MACHINES WITHOUT A 1442 OR 2501

AU4 A-B1N5B09  
 AW4 A-B1N5B13  
 AX4 A-B1N5D10  
 A24 A-B1N5B10

LOC. TYPE  
 A-B1E7 0000  
 A-B1K5 3763  
 A-B1L5 3421  
 A-B1M5 3819

PAPER TAPE PUNCH BUFFERS DRIVE				X
2 4 8 C				T
E.C.	HISTORY	MACH.	1131-B	1
419631				2
419644A		FRAME	01	2
		IBM CORP.	GPD	1
DATE	LAST EC			000
06-23-67	419664	P.#	2231277	





XT231

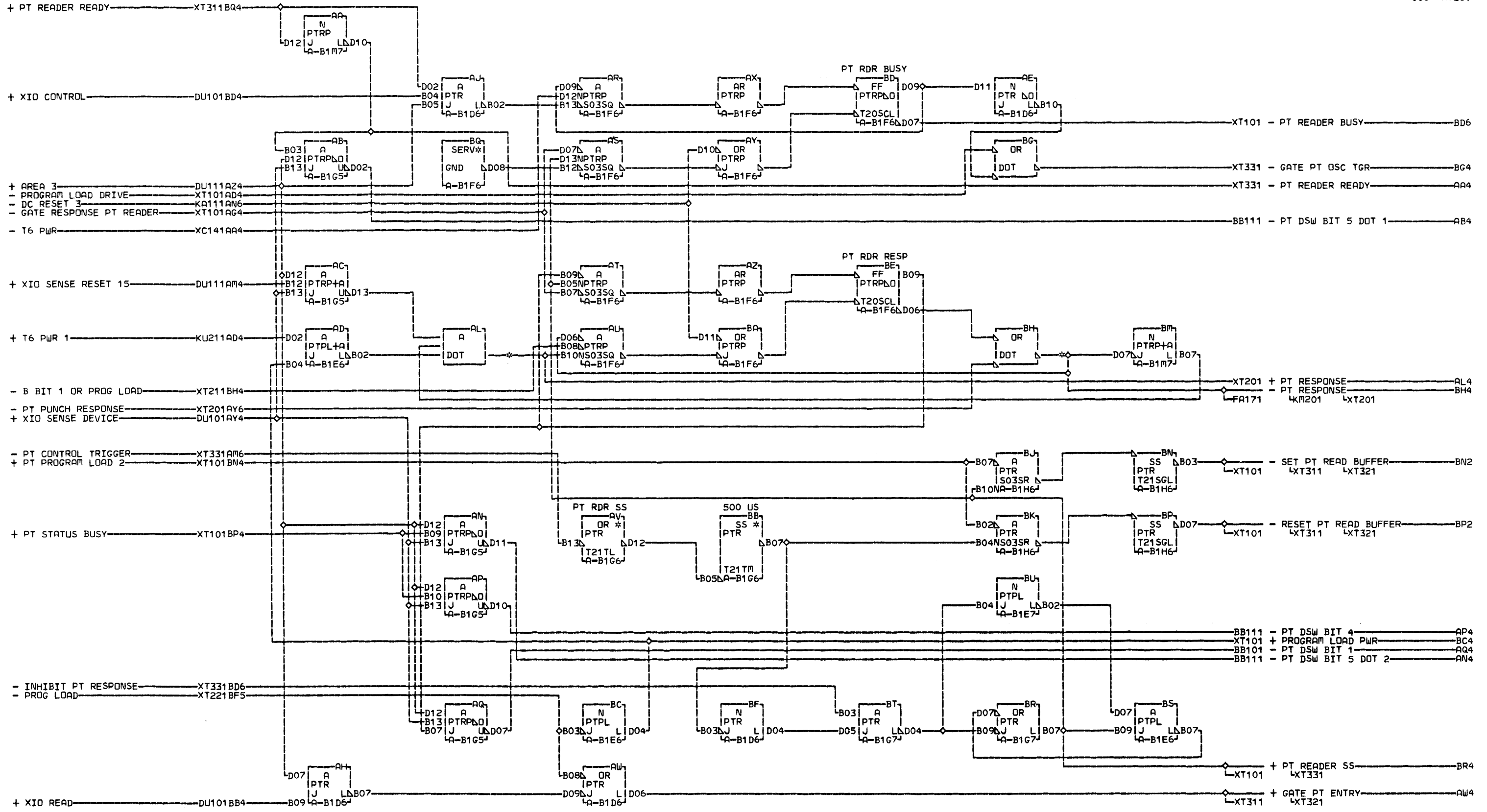
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LOC. TYPE  
 A-B1F7 3794  
 A-B1J5 3794  
 A-B1J6 0000  
 A-B1L5 3421

PAPER TAPE PUNCH CONTROL	
E-C-HISTORY	MACH.1131-B
DATE	FRAME 01
LAST EC	IBM CORP. SDD
09-02-66 419631	P.N. 2231453

XT231

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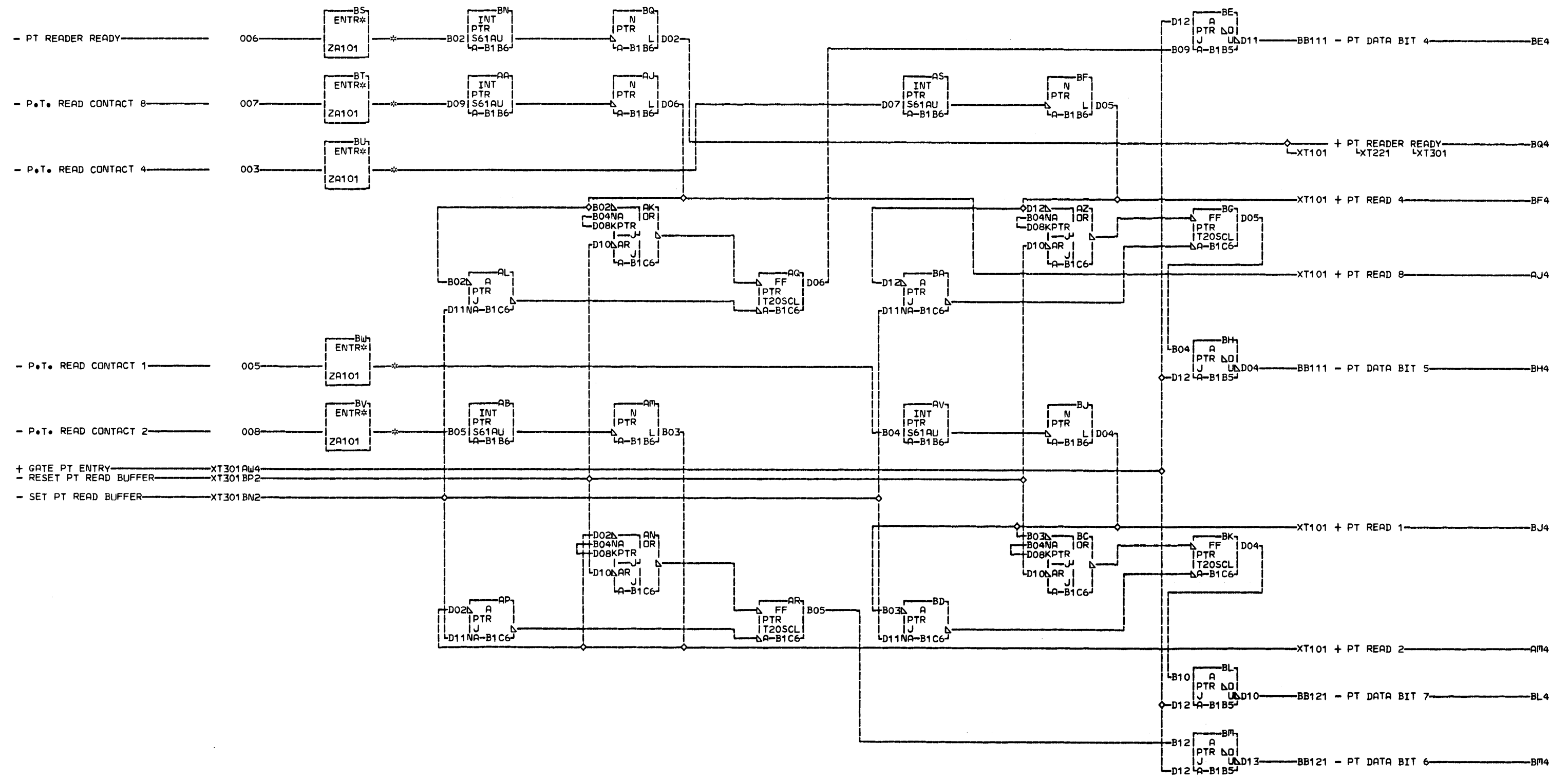


NOTE SINGLE SHOT  
ADJUSTMENT POT IS  
SITUATED AS FOLLOWS  
X PT READER SS - LOWER POT  
T  
3  
0  
1

AL4 A-B1N7D04  
01A-C1A7D04  
BH4 A-B1N7D05  
01A-C1A7D05  
01A-C1N6D05  
01B-A1A7D05

LOC. TYPE  
A-B1D6 0000  
A-B1E6 0000  
A-B1E7 0000  
A-B1F6 3794  
A-B1G5 3028  
A-B1G6 3816  
A-B1G7 0000  
A-B1H6 3757  
A-B1M7 0000

PAPER TAPE READ CLUTCH DRIVE		
READY-BUSY-RESPONSE		X
E-C-HISTORY	MACH-1131-B	T
419631		3
419664	FRAME	01
		0
	IBM CORP. GPD	1
DATE	LAST EC	000
09-15-67	419676	
	P.No. 2231279	

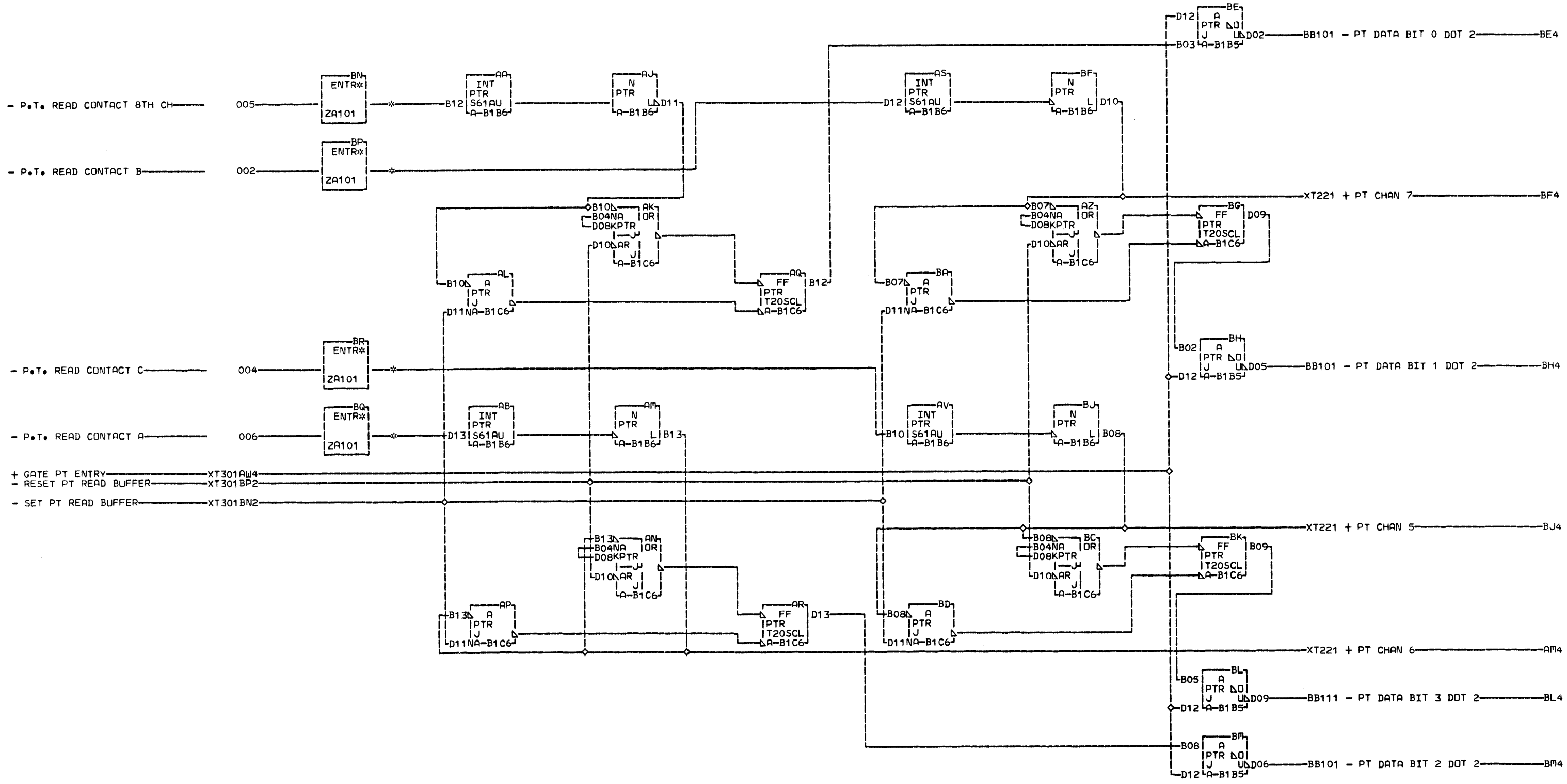


X  
T  
3  
1  
1

BS4 A-B1A6B03  
BT4 A-B1A6D09  
BU4 A-B1A6D07  
BV4 A-B1A6B05  
BW4 A-B1A6B04

LOC. TYPE  
A-B1B5 3028  
A-B1B6 3129  
A-B1C6 3763

PT READ CONTACTS 1 2 4 8	X
STROBE DATA BITS 4 5 6 7	T
-E.C.-HISTORY-	3
MACH#1131-B	1
FRAME	01
IBM CORP. GPD	1
DATE LAST EC	000
109-02-66 419631	
P.No. 2231454	

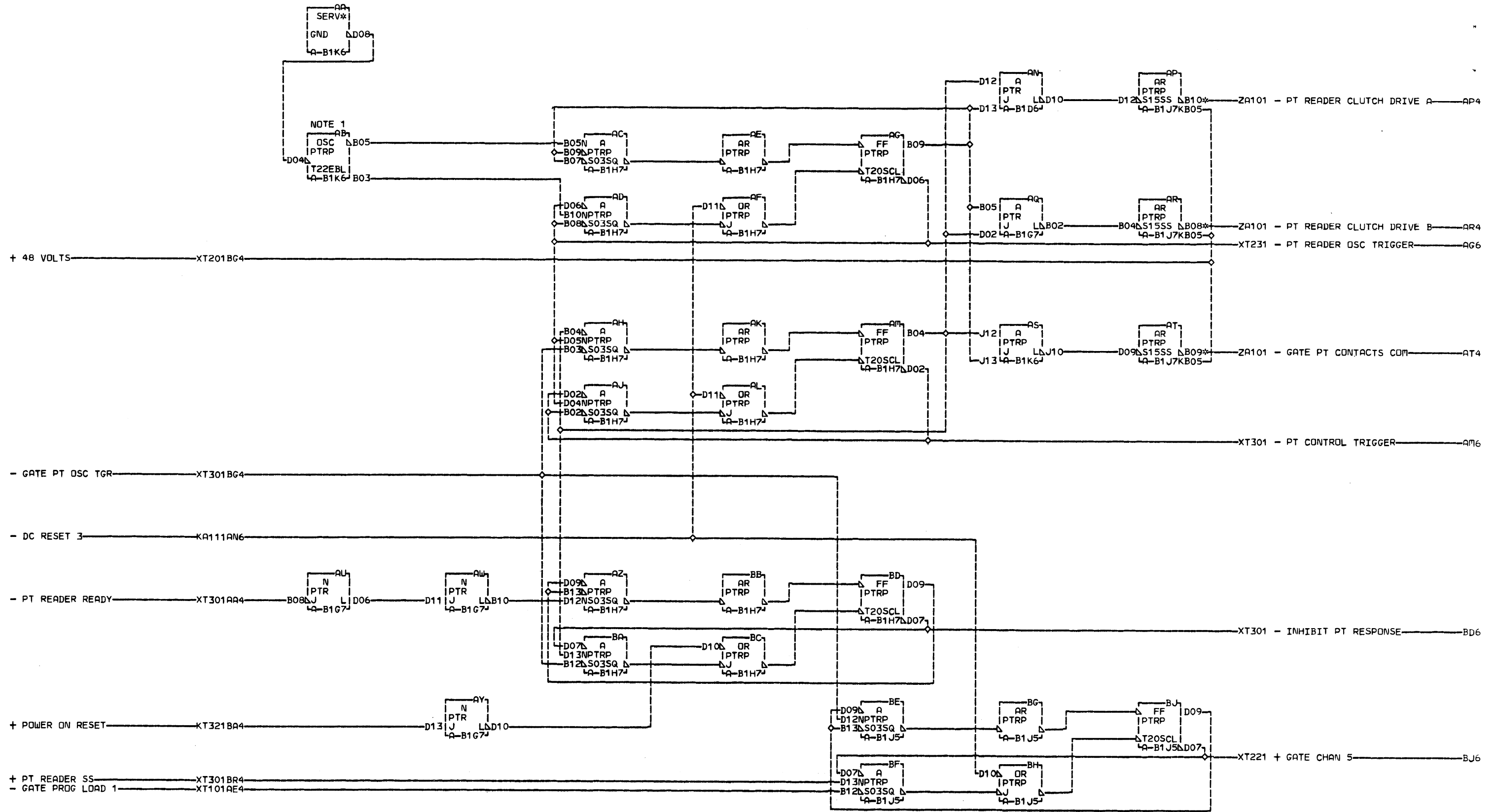


BN4 A-B1A6B12  
 BP4 A-B1A6D12  
 BQ4 A-B1A6D13  
 BR4 A-B1A6B10

LOC. TYPE  
 A-B1B5 3028  
 A-B1B6 3129  
 A-B1C6 3763

PT READ CONTACTS A B C 8TH		X T 3 2 1
DATA BITS 0 1 2 3		
-E.C.-HISTORY	MACH-1131-B	
DATE	LAST EC	FRAME 01
109-02-66	419631	IBM CORP. GPD
	P.N. 2231455	000

X  
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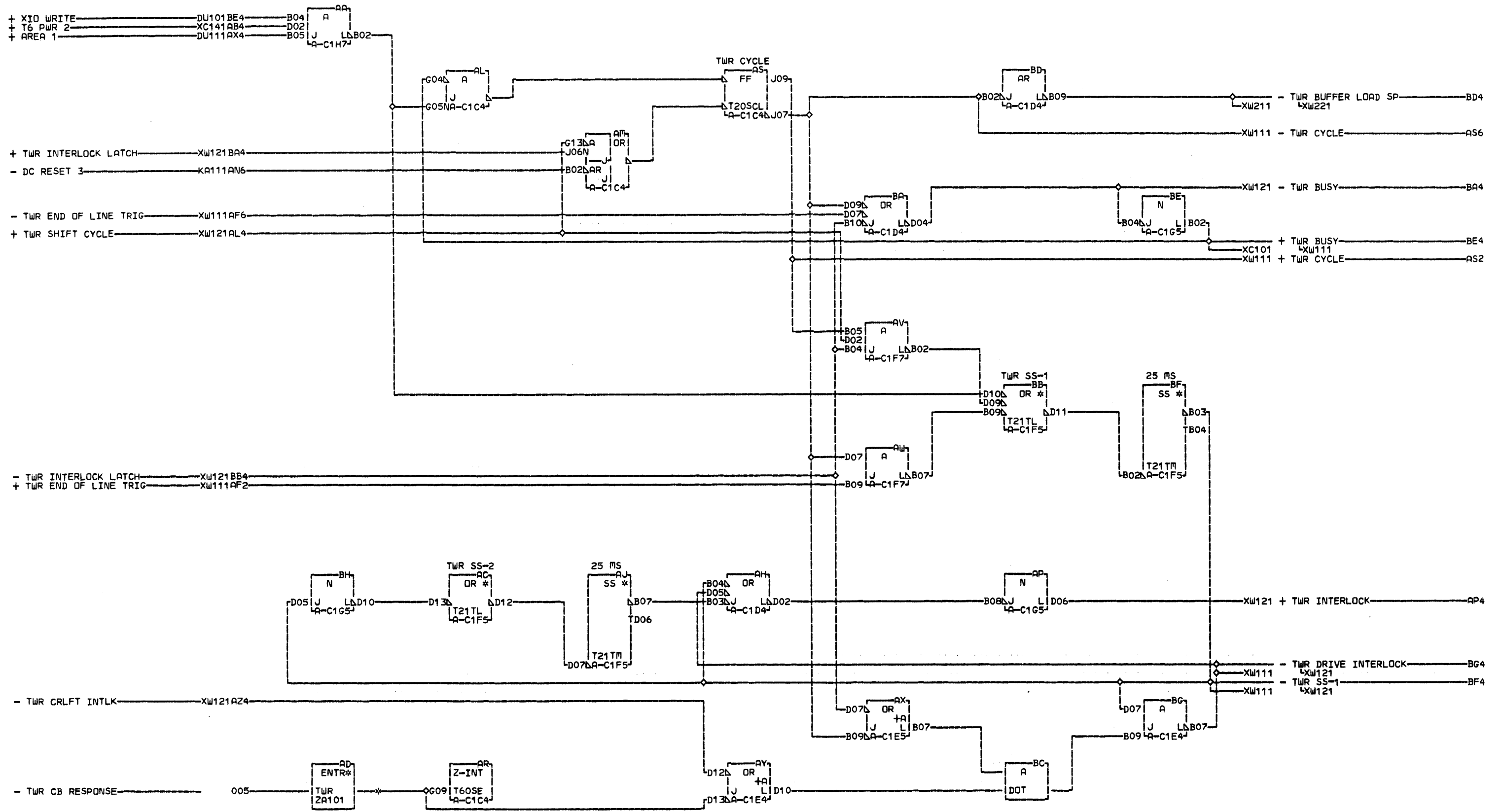


NOTE 1 FREQUENCY IS  
120 CPS. SEE  
PAGE A000 FOR  
SYMMETRY AND  
ADJUSTMENTS.

AP4 A-B1A6D06  
AR4 A-B1A6D02  
AT4 A-B1A6B02

LOC. TYPE  
A-B1D6 0000  
A-B1G7 0000  
A-B1H7 3794  
A-B1J5 3794  
A-B1J7 3819  
A-B1K6 3734

PAPER TAPE READER OSC AND CONTROL			
E.C. HISTORY		MACH. 1131-B	
419631			
419664	FRAME	01	3
	DATE	LAST EC	
01-24-69	419695		
	IBM CORP. SDD		
	P.N.	2231282	

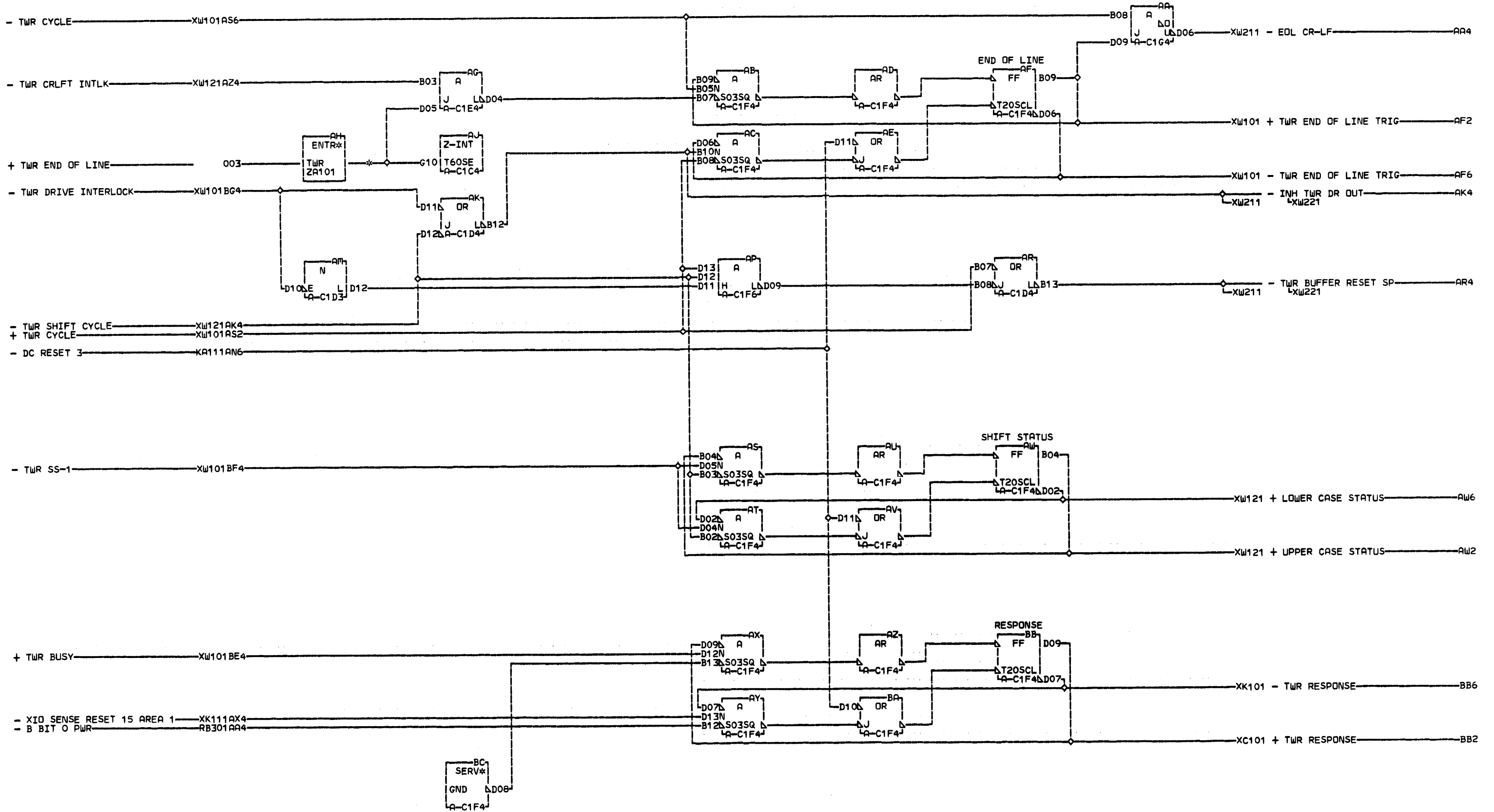


NOTE SINGLE SHOT  
ADJUSTMENT POTS ARE  
SITUATED AS FOLLOWS  
X TWR SS-1 - UPPER POT  
W TWR SS-2 - LOWER POT  
0  
1

AD4 A-C1A4D10

LOC. TYPE  
A-C1C4 6208  
A-C1D4 3404  
A-C1E4 0000  
A-C1F5 0000  
A-C1F7 3816  
A-C1G5 3421  
A-C1H7 0000

TWR BUSY	SS 1	TWR INTLK	X
E-C-HISTORY	MACH#1131-B		W
	FRAME	01	1
	IBM CORP. GPD		0
DATE LAST EC	P.No. 2231456		1
09-02-66 419631			000

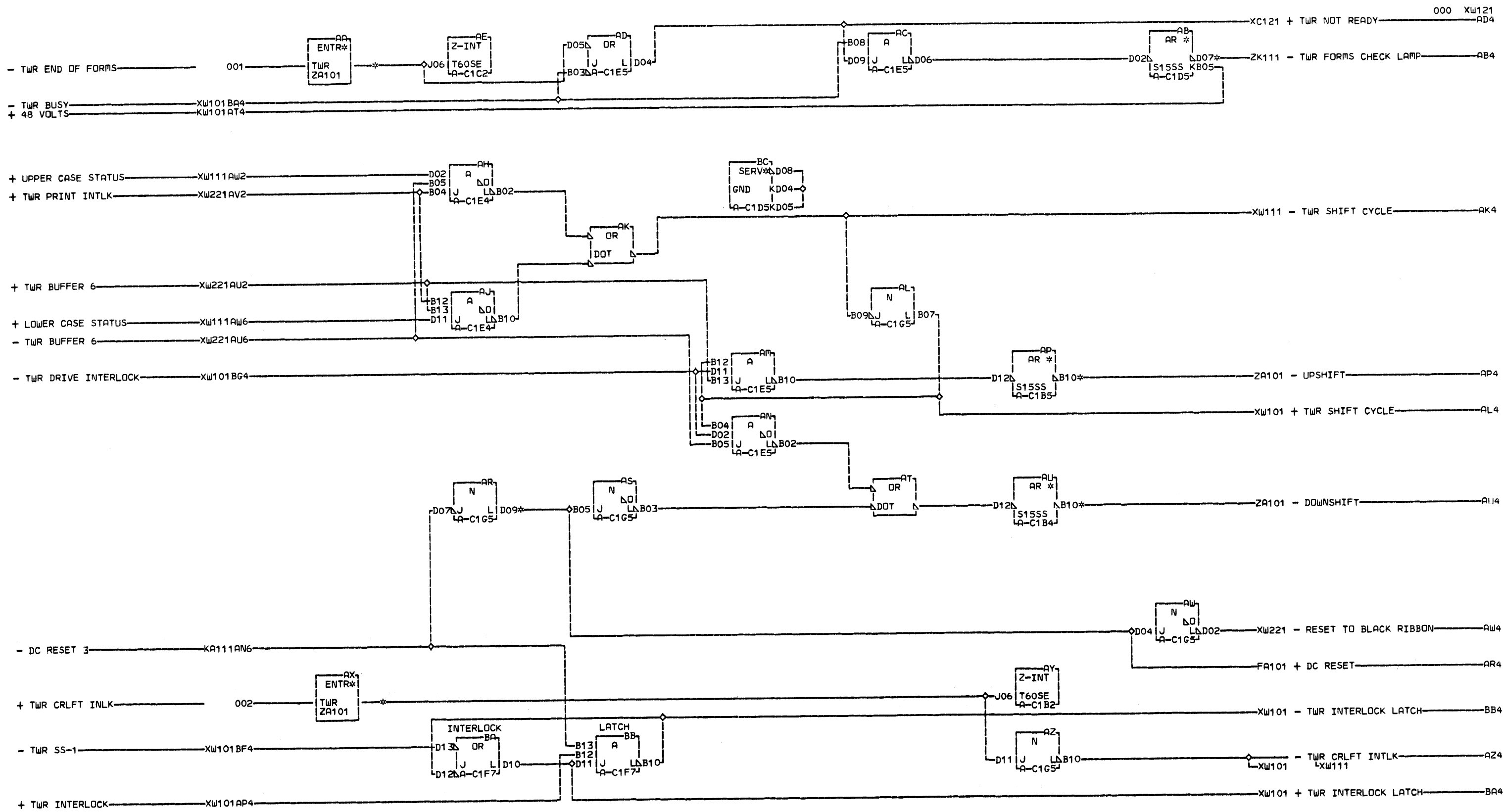


AH4 A-C1A4B09

X  
W  
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1  
1  
000

LOC.	TYPE
A-C1C4	6208
A-C1D3	0509
A-C1D4	3404
A-C1E4	0000
A-C1F4	3794
A-C1F6	0453
A-C1G4	0236

TWR EOL CR-LF		RESET SP	
RESPONSE UPPER	LOWER CASE		
-E.C.-HISTORY	MACH#1131-B		X
	FRAME	01	1
	IBM CORP. GPD		1
DATE	LAST EC		000
09-02-66	419631	P#N# 2231284	



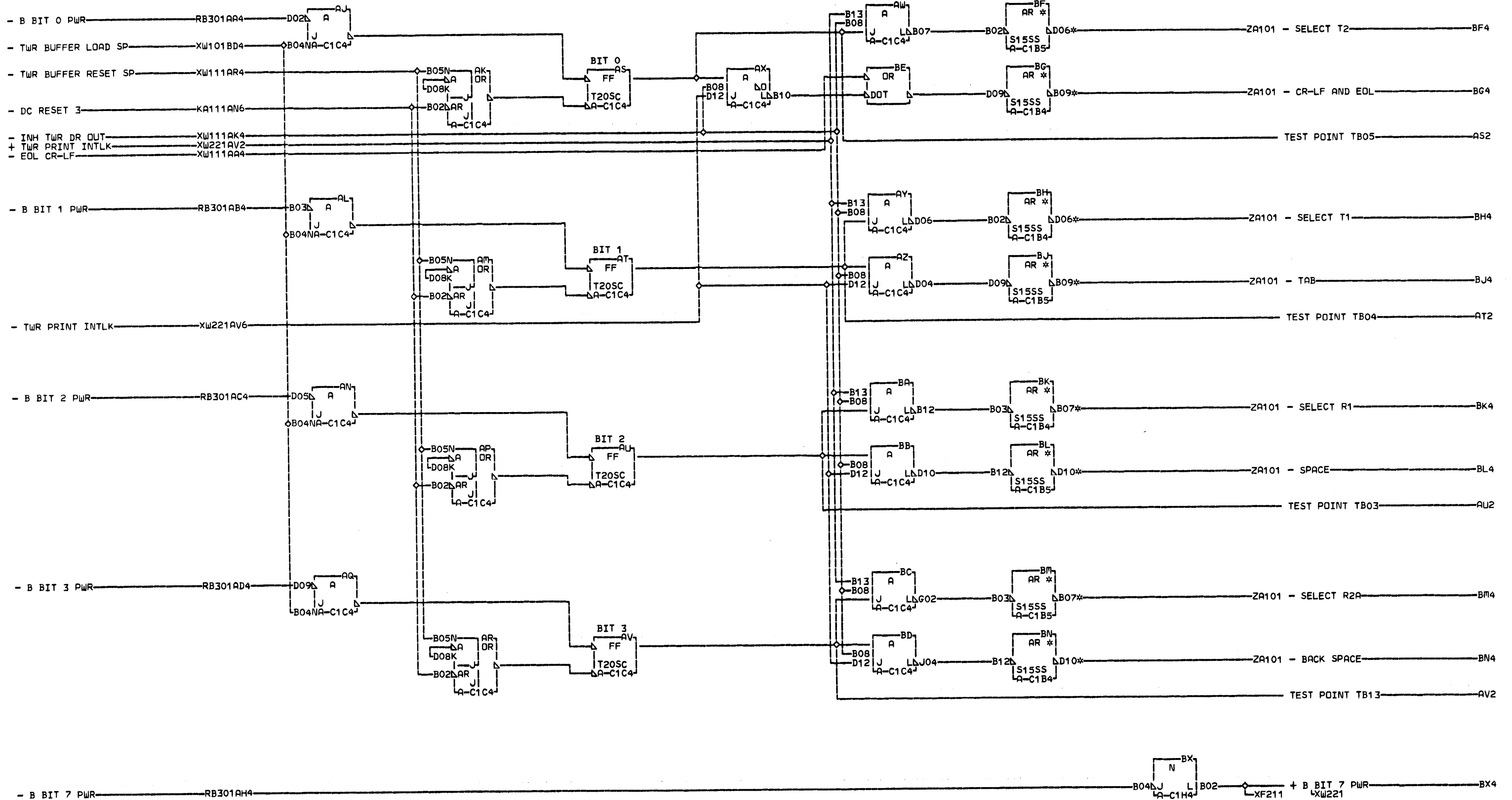
X  
W  
1  
2  
1  
000

AA4 A-C1A4D12  
 AB4 A-C1A5D13  
 AP4 A-C1A4B08  
 AR4 A-C1N3B13  
 01B-B1D8A06  
 AU4 A-C1A4D09  
 AX4 A-C1A4B13

LOC. TYPE  
 A-C1B2 4615  
 A-C1B4 3819  
 A-C1B5 3819  
 A-C1C2 4615  
 A-C1D5 3819  
 A-C1E4 0000  
 A-C1E5 0000  
 A-C1F7 0000  
 A-C1G5 3421

TWR SHIFT UP	DOWN	SHIFT CYCLE	
CRLF INTLK	INTERLOCK LATCH		
E.C. HISTORY		MACH. 1131-B	
		FRAME	01
		IBM CORP. GPD	000
DATE	LAST EC	P.N. 2231285	
09-02-66	419631		



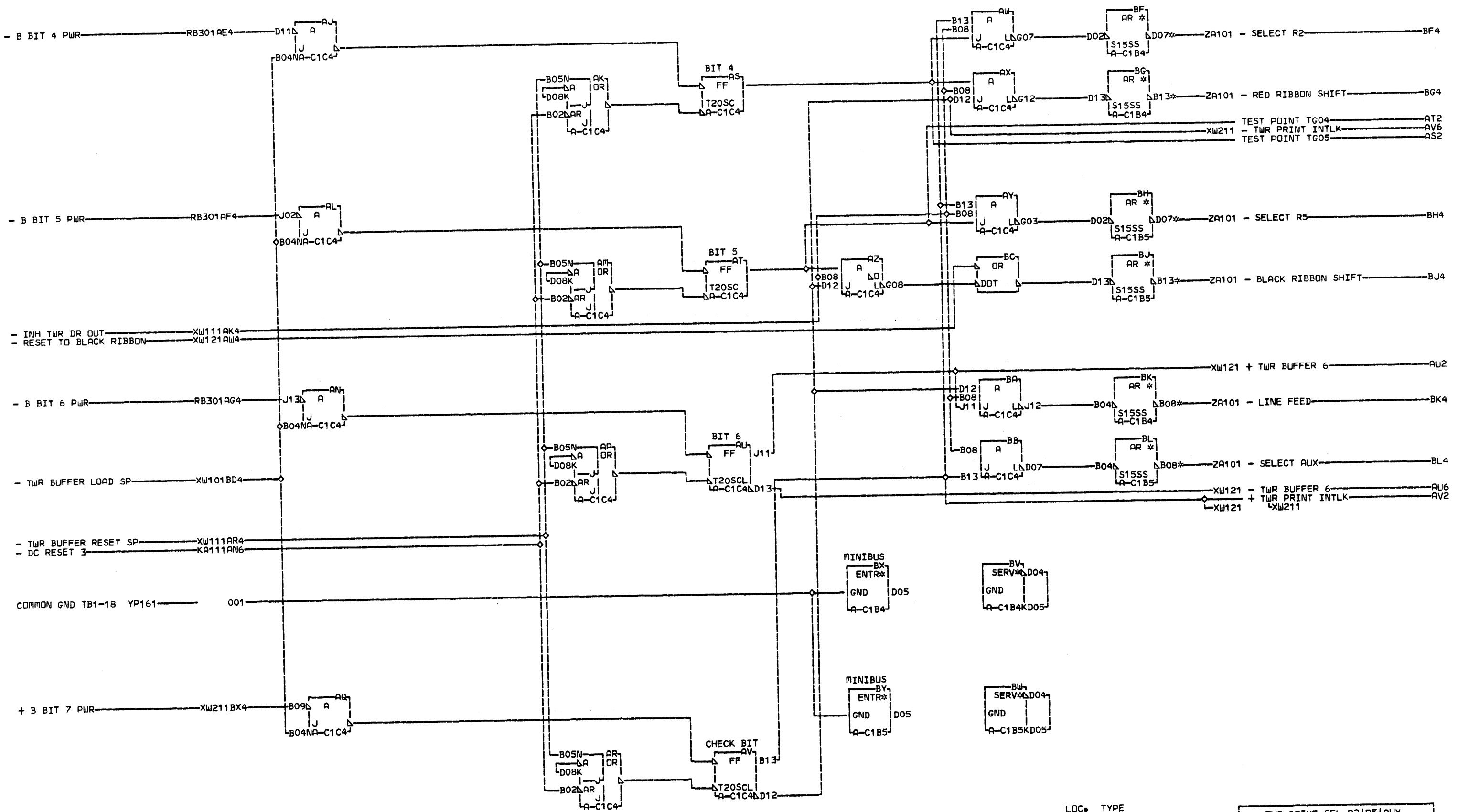


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BF4 A-C1A4B02  
 BG4 A-C1A4D07  
 BH4 A-C1A4D02  
 BJ4 A-C1A4B07  
 BK4 A-C1A4D04  
 BL4 A-C1A4B10  
 BM4 A-C1A4B03  
 BN4 A-C1A4D11

LDC TYPE  
 A-C1B4 3819  
 A-C1B5 3819  
 A-C1C4 6208  
 A-C1H4 3421

TWR DRIVE SEL	T1	T2	R1	R2A	
CR-LF AND EOL	TAB	SPACE			
E.C.-HISTORY	MACH.1131-B				X
	FRAME	01			1
	IBM CORP.	GPD			1
DATE	LAST EC				000
09-02-66	419631			P.No. 2231286	



- BF4 A-C1A4D05
- BG4 A-C1A4D13
- BH4 A-C1A4B04
- BJ4 A-C1A4B12
- BK4 A-C1A4D06
- BL4 A-C1A4B05

LOC. TYPE  
 A-C1B4 3819  
 A-C1B5 3819  
 A-C1C4 6208

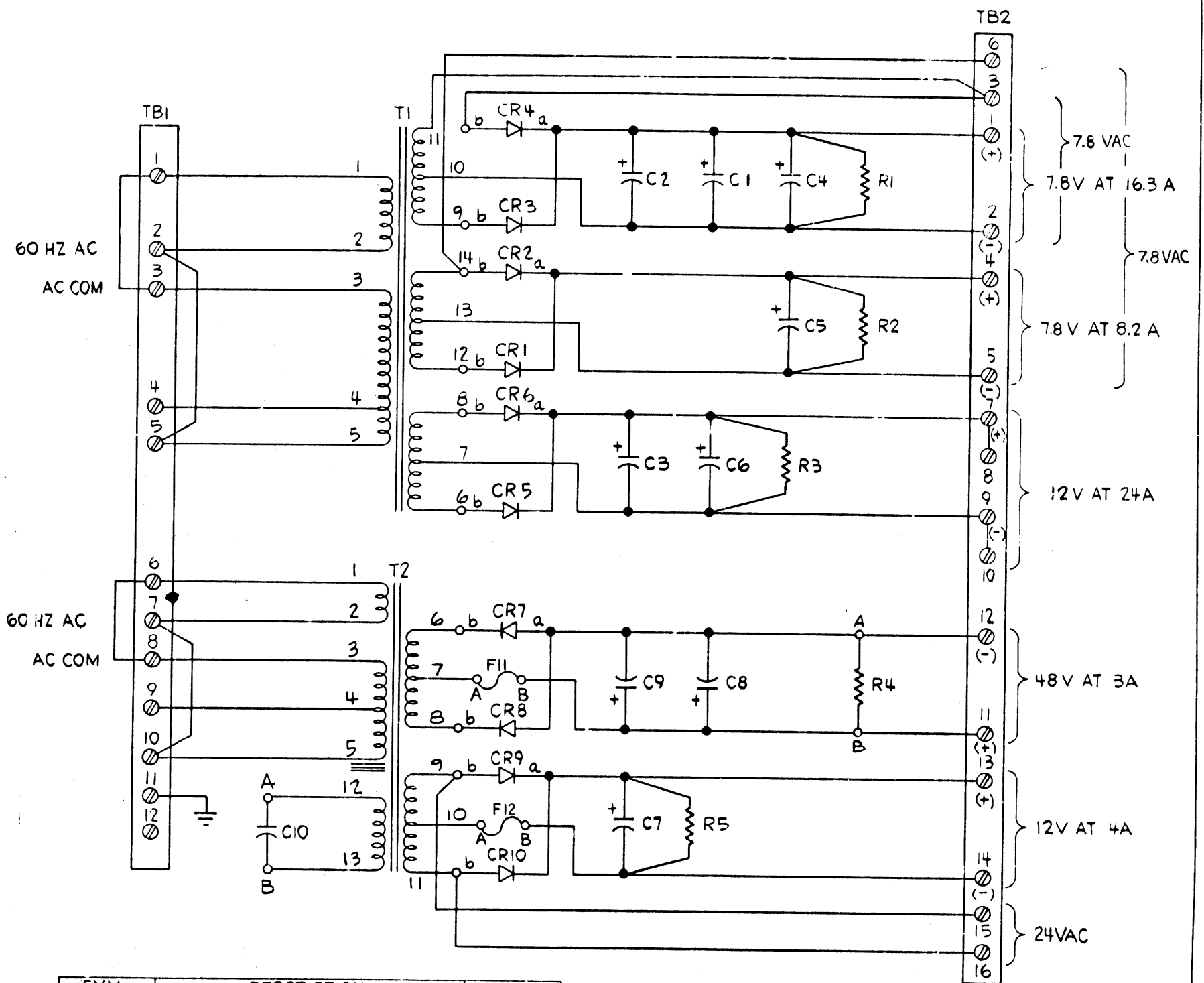
TWR DRIVE SEL	R2/R5/AUX	
RIBBON SHIFT	PRINT INTLK	
E.C.-HISTORY	MACH#1131-B	
	FRAME	01
	IBM CORP. GPD	
DATE	LAST EC	
09-02-66	419631	
	P.#	2231457

X  
2  
2  
1  
000

REFERENCE DWG

YF409  
M.L.=C

5760701



SYM	DESCRIPTION	PART NO
C1, C2, C4 & C5	CAPACITOR 49,000 UF 10V DC	5709382
C3 & C6	CAPACITOR 54 KUF 15V DC	5760613
C7	CAPACITOR 70,000 UF 13V DC	5239120
C8 & C9	CAPACITOR 18,000 UF 55V DC	5239119
C10	CAPACITOR 15 UF 330 VAC	1143069
CR1, 2, 9 & 10	RECTIFIER 10A AT 150 V	598479
CR3, 4, 5 & 6	RECTIFIER 30A AT 150 V	127324
CR7 & CR8	RECTIFIER 10A AT 150 V	598480
R1 & R2	RESISTOR 70Ω, 5W	208190
R3 & R5	RESISTOR 200Ω, 5W	477144
R4	RESISTOR 200Ω, 50W	504694
T1	TRANSFORMER	5760703
T2	TRANSFORMER	5760704
F11	FUSE 4A	1143492
F12	FUSE 5A	512137

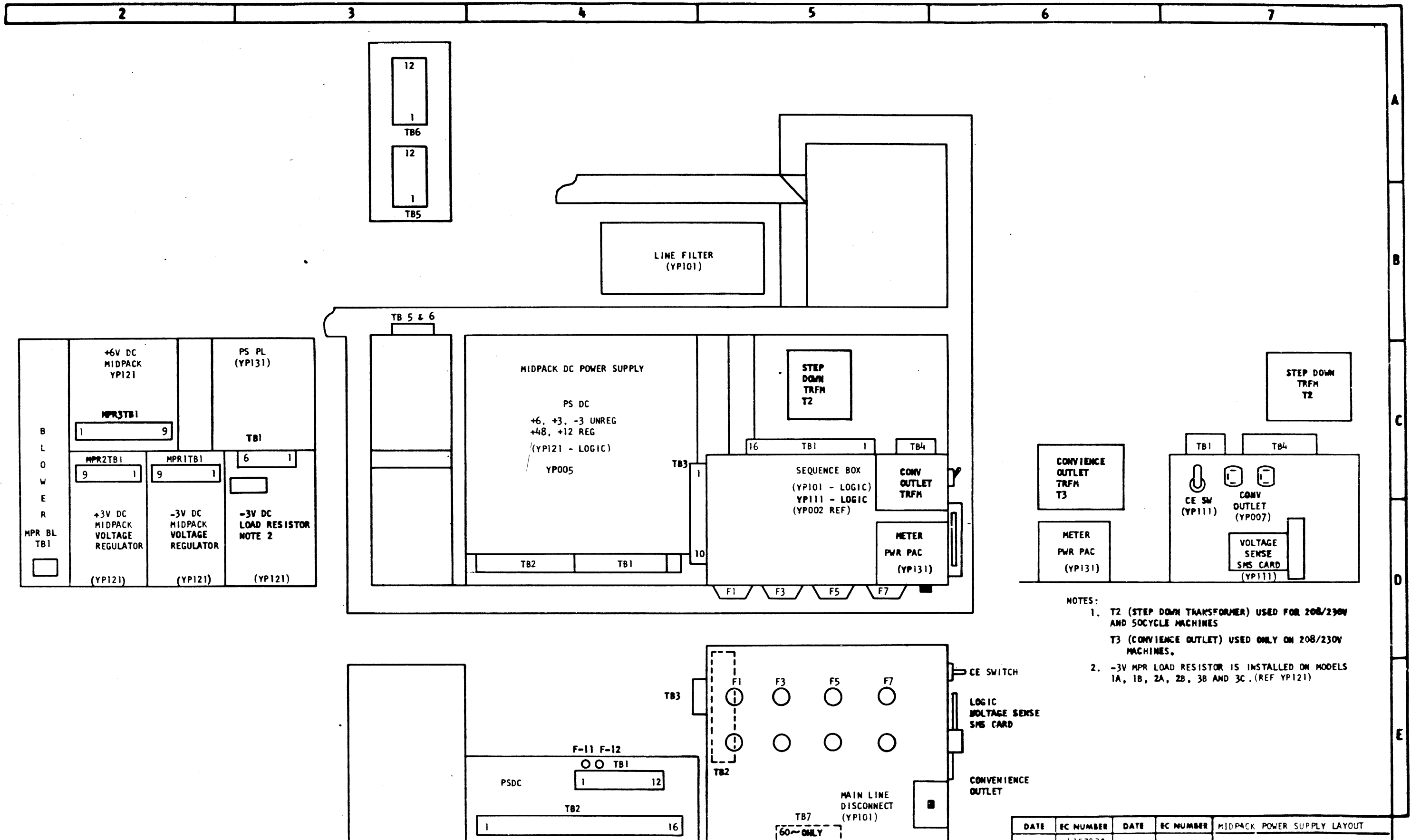
INPUT VOLTAGE	JUMPER	LINE CONNECTION
115	1 & 3, 2 & 5	2 & 3
208	1 & 4	2 & 3
230	1 & 5	2 & 3

INPUT VOLTAGE	JUMPER	LINE CONNECTION
115	6 & 8, 7 & 10	7 & 8
208	6 & 9	7 & 8
230	6 & 10	7 & 8

NOTES

XI UNIT FACTORY WIRED FOR 115VAC OPERATION.

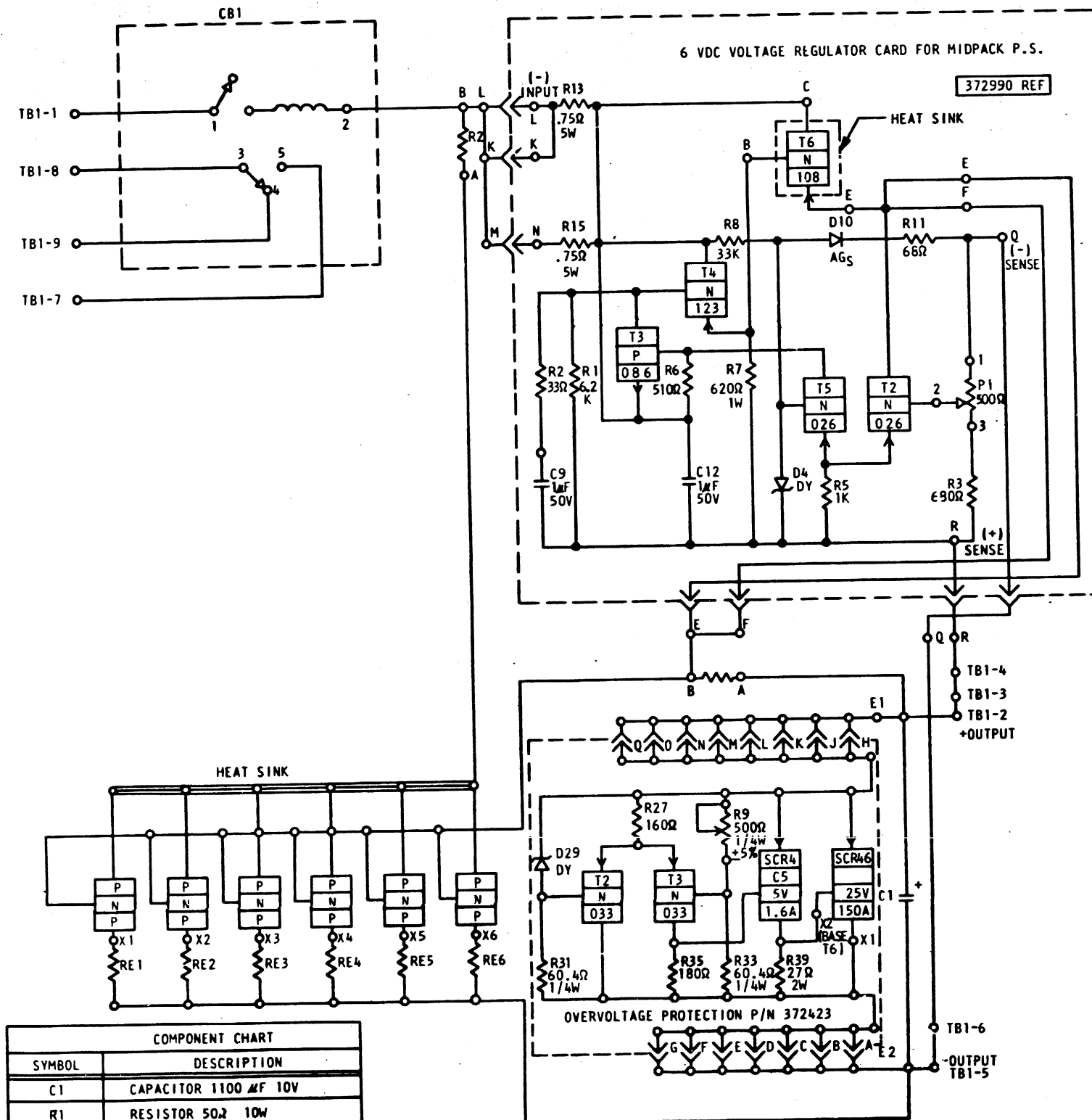
INTERNATIONAL BUSINESS MACHINES CORP.				DATE	CHANGE NO.	DATE	CHANGE NO.	NOTE	DEVELOPMENT NO.
NAME WIRING DIAGRAM				OCT 66	420301-A			X PRINT TO ENG. SPEC. NO. 895291	5760701
MULTI-LEVEL, 60 HZ				20 MAR 67	709089				
DESIGN	MODEL			10 OCT 67	709527				5760701
CHECK	RDY	2-15-67	DRAW	GT	8 FEB 67	8 DEC 67	710513		YF409
APPRO	WCL	2-17-67	CHECK			25 MAR 68	711003		



- NOTES:
- T2 (STEP DOWN TRANSFORMER) USED FOR 208/230V AND 50CYCLE MACHINES
  - T3 (CONVIENCE OUTLET) USED ONLY ON 208/230V MACHINES.
  - 3V MPR LOAD RESISTOR IS INSTALLED ON MODELS 1A, 1B, 2A, 2B, 3B AND 3C. (REF YP121)

DATE	EC NUMBER	DATE	EC NUMBER	MIDPACK POWER SUPPLY LAYOUT		
	415727A					
MAR 67	415748			DATE	JUL 66	P/N 2231324
NOV 67	419691					TYPE 1131
30MAY68	420417			<b>IBM</b>		YP001
22JUL68	420442					

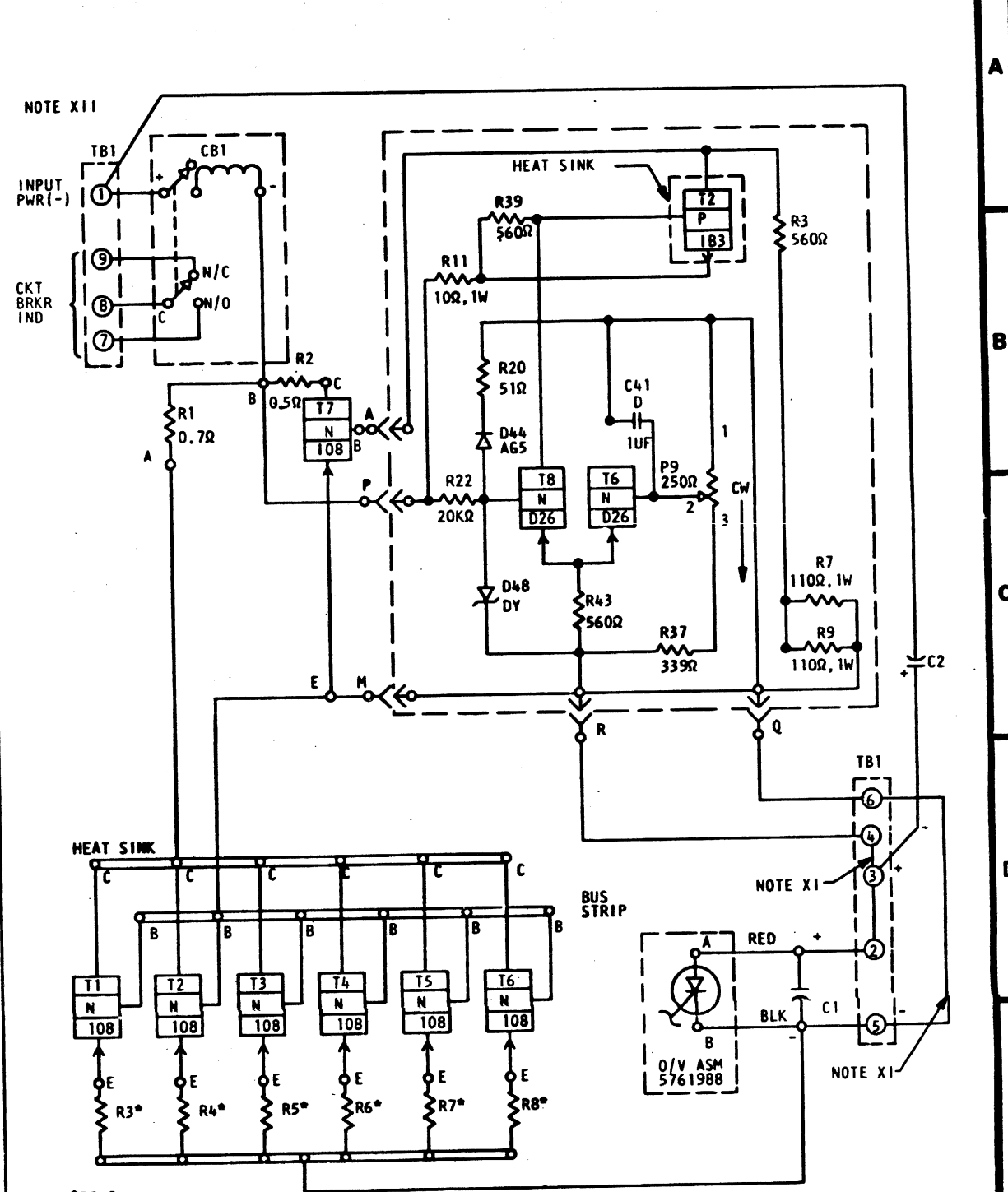
POWER SUPPLY 6V AT 24A MID-PAC P/N 730490 (PREVIOUS LEVEL)



COMPONENT CHART	
SYMBOL	DESCRIPTION
C1	CAPACITOR 1100 $\mu$ F 10V
R1	RESISTOR 50 $\Omega$ 10W
R2	RESISTOR .07 $\Omega$ 90W
RE1-6	RESISTOR 0.1 $\Omega$ 5W
X1-6	TRANSISTOR TYPE 10B

NOTE ADJUST P1 OF VR CARD FOR +6V OUTPUT

POWER SUPPLY 6V AT 24A MID-PAC P/N 5762030 (LATEST LEVEL)



NOTE XI I

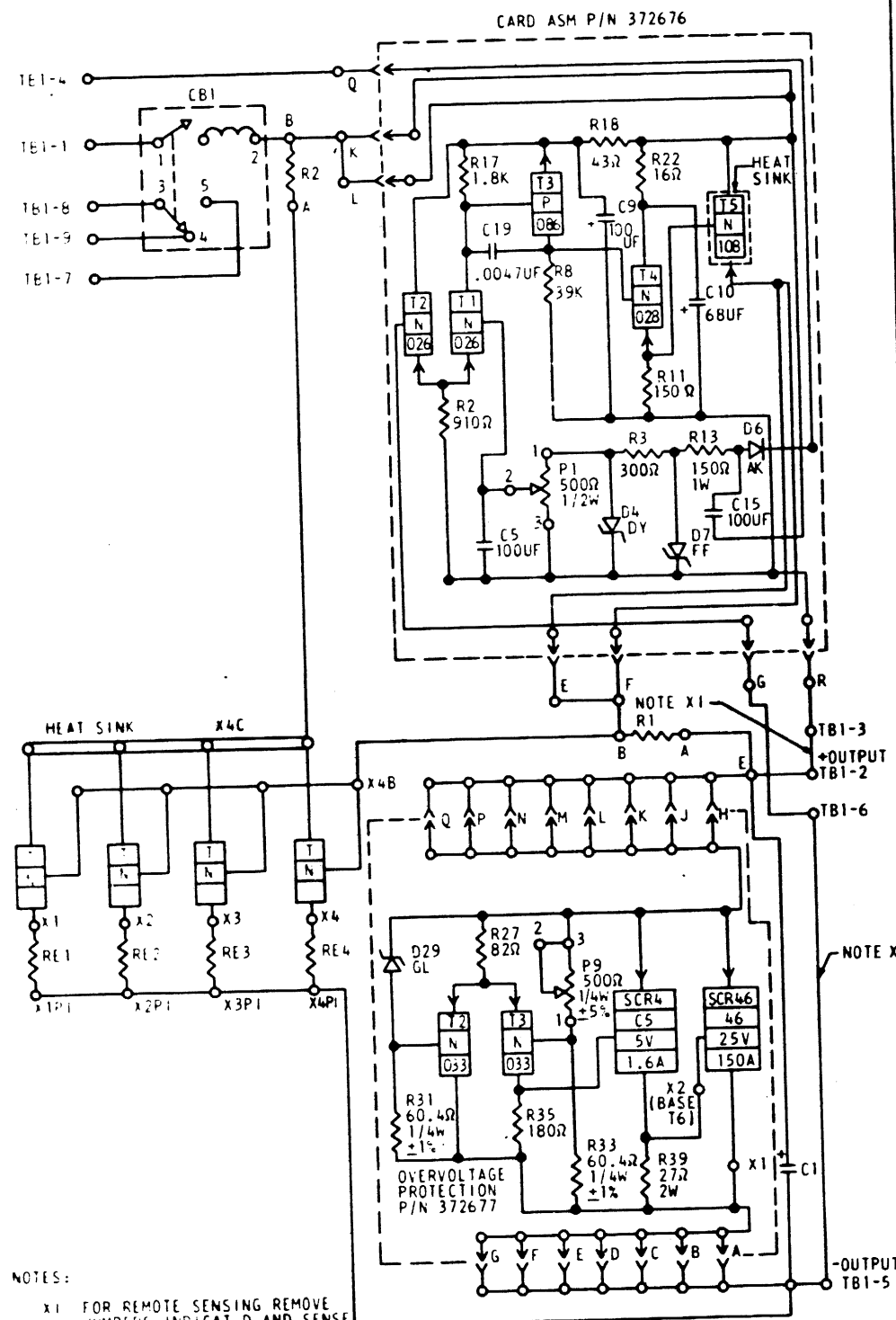
NOTES:

- X1 FOR REMOTE SENSING REMOVE INDICATED JUMPERS AND SENSE BETWEEN TB1-4 AND TB1-6.
- X14 INPUT POWER APPLIED BETWEEN TERMINALS TB1-1 AND TB1-2.

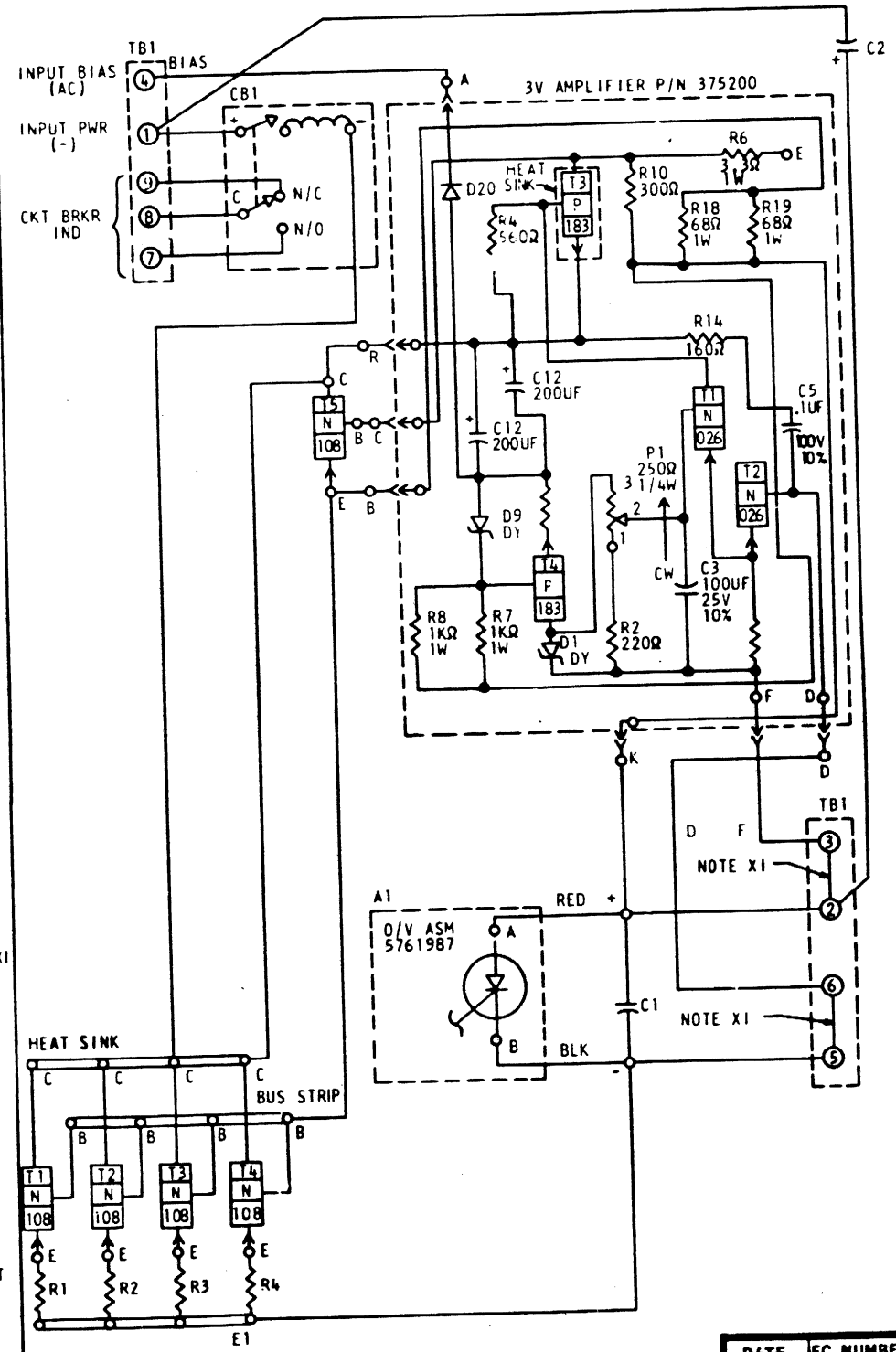
DATE	EC NUMBER	DATE	EC NUMBER	IBM
8 JUL 68	420442			6V 24A PWR SUP MID-PAC REF ONLY
		DATE	JUL 68	P/N 2231326
				TYPE 1131
				<b>IBM</b> YPO03

POWER SUPPLY 3V AT 20A MID-PAC  
P/N 5234379 (PREVIOUS LEVEL)

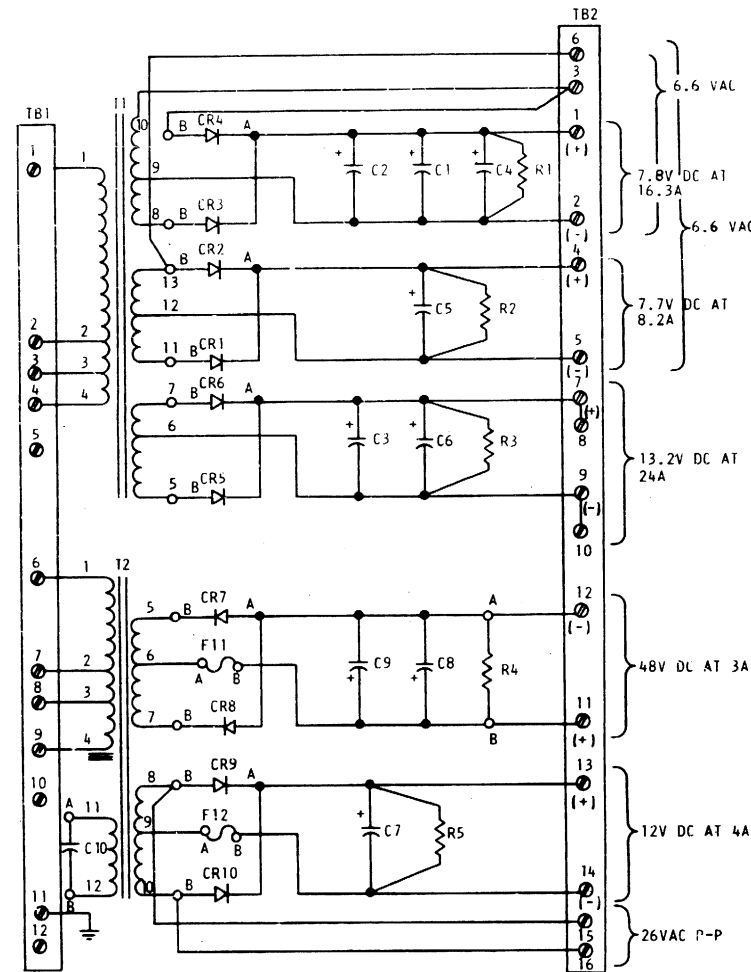
POWER SUPPLY 3V AT 20A MID-PAC  
P/N 5762000 (LATEST LEVEL)



NOTES:  
XI FOR REMOTE SENSING REMOVE JUMPERS INDICATED AND SENSE BETWEEN TB1-3 AND TB1-6



DATE	EC NUMBER	DATE	EC NUMBER	3V 20A PWR SUP. MID-PAC
8 JUL 68	420442			REFERENCE ONLY
				DATE JUL 68 P/N 2231327
				TYPE 1131
				<b>IBM</b> YP004

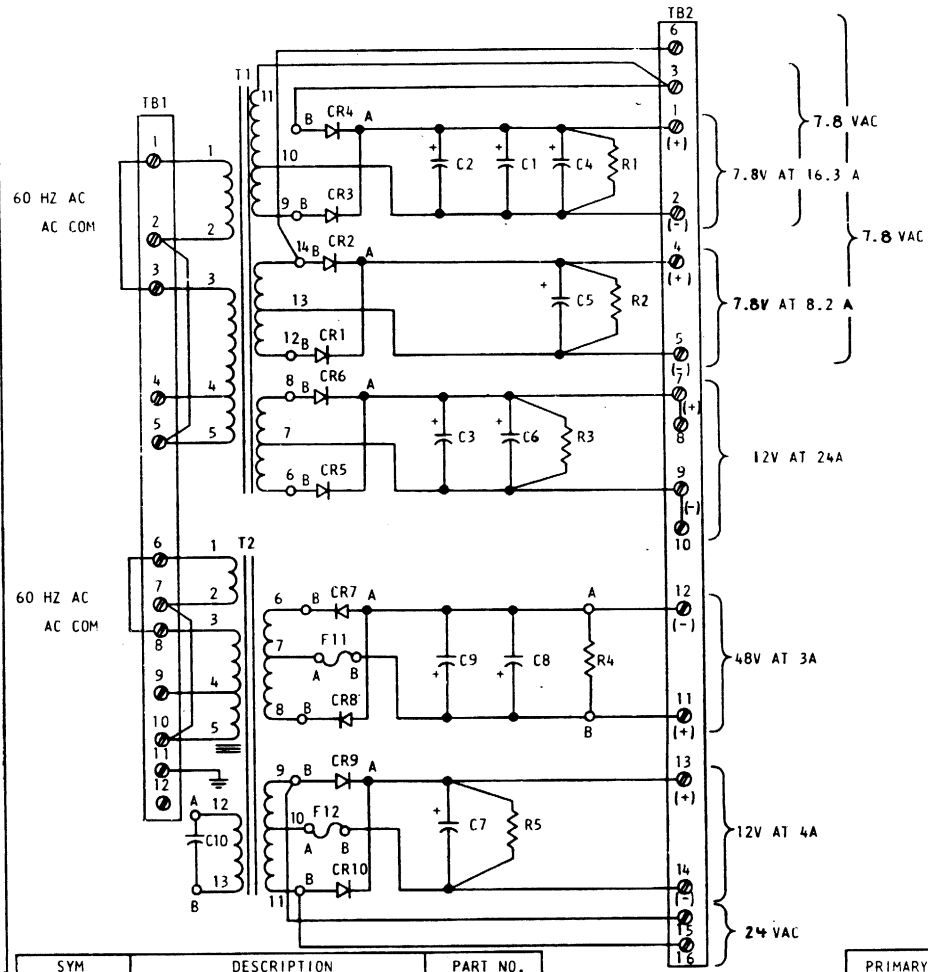


SYM	DESCRIPTION	PART NO.
C1,C2,C4&C5	CAPACITOR 49,000 UF 10V DC	5709382
C3&C6	CAPACITOR 54,000 UF 15V DC	5760613
C7	CAPACITOR 70,000 UF 13V DC	5239120
C8&C9	CAPACITOR 18,000 UF 55V DC	5239119
C10	CAPACITOR 15 UF 330 VAC	1143069
CR1,2,9&10	RECTIFIER 10A, 150V	598479
CR3,4,5&6	RECTIFIER 30A, 150V	127324
CR7&CR8	RECTIFIER 10A, 150V	598480
F11	FUSE 4A	1143492
F12	FUSE 5A	512137
R1&R2	RESISTOR 70Ω, 5W	208190
R3&R5	RESISTOR 200Ω, 5W	477144
R4	RESISTOR 200Ω, 50W	504694
T1	TRANSFORMER	5760699
T2	TRANSFORMER	5760719

PRIMARY TERM CONN FOR (T1)		
INPUT VOLTAGE	JUMPER	LINE CONN
195	-	1&2
220	-	1&3
235	-	1&4

PRIMARY TERM CONN FOR (T2)		
INPUT VOLTAGE	JUMPER	LINE CONN
195	-	6&7
220	-	6&8
235	-	6&9

P/N 5760711 50 HZ



SYM	DESCRIPTION	PART NO.
C1,C2,C4&C5	CAPACITOR 49,000 UF 10V DC	5709382
C3&C6	CAPACITOR 54 K UF 15V DC	5760613
C7	CAPACITOR 70,000 UF 13V DC	5239120
C8&C9	CAPACITOR 18,000 UF 55V DC	5239119
C10	CAPACITOR 15 UF 330 VAC	1143069
CR1,2,9&10	RECTIFIER 10A AT 150V	598479
CR3,4,5&6	RECTIFIER 30A AT 150V	127324
CR7&CR8	RECTIFIER 10A AT 150V	598480
R1&R2	RESISTOR 70Ω, 5W	208190
R3,R5	RESISTOR 200Ω, 5W	477144
R4	RESISTOR 200Ω, 50W	504694
T1	TRANSFORMER	5760703
T2	TRANSFORMER	5760704
F11	FUSE 4A	1143492
F12	FUSE 5A	512137

PRIMARY TERM CONN FOR (T1)		
INPUT VOLTAGE	JUMPER	LINE CONN
115	1&3,2&5	2&3
208	1&4	2&3
230	1&5	2&3

PRIMARY TERM CONN FOR (T2)		
INPUT VOLTAGE	JUMPER	LINE CONN
115	6&8,7&10	7&8
208	6&9	7&8
230	6&10	7&8

P/N 5760701 60 HZ

DATE	EC NUMBER	DATE	EC NUMBER	M.D.-PACK DC POWER SUPPLY
8 JUL 68	420442			REFERENCE DWG.
9 DEC 68	571003			DATE JUL 68 P/N 2231328
				TYPE
				<b>IBM</b> YP005

A  
B  
C  
D  
E

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3

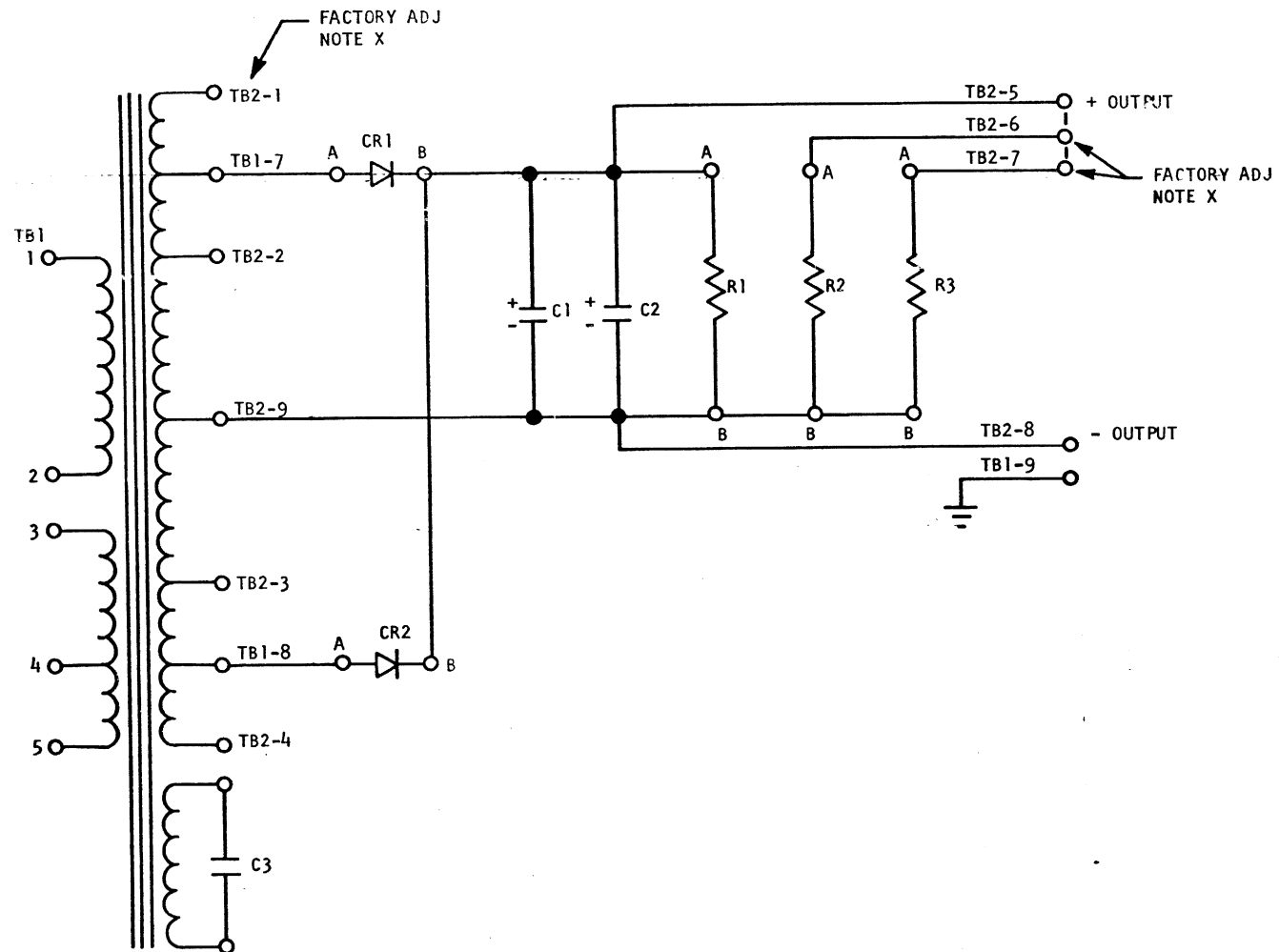
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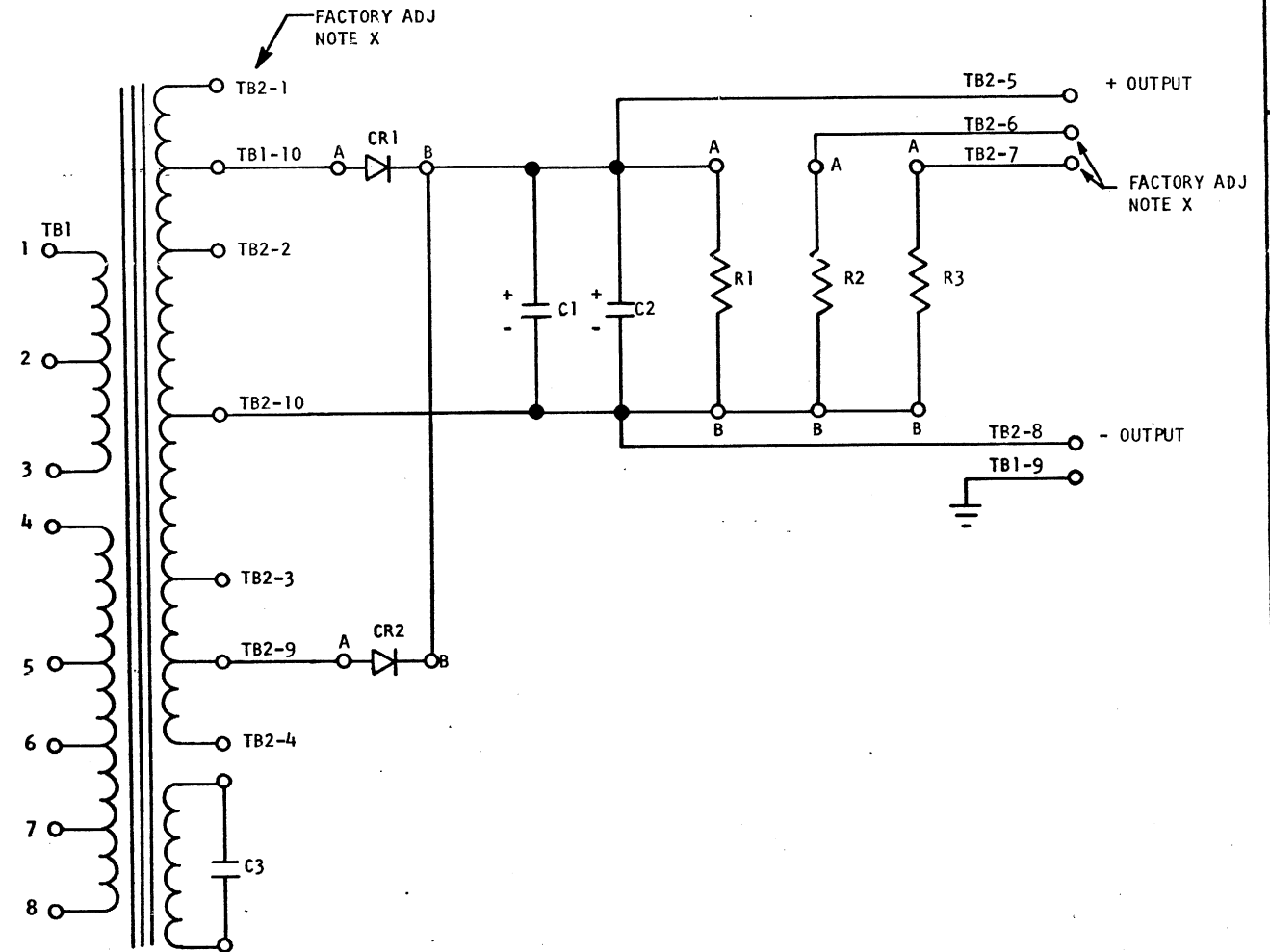
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12V AT 4 AMPS, 60 HZ 5760620



12V AT 4 AMPS, 50 HZ 5760625



COMPONENT CHART

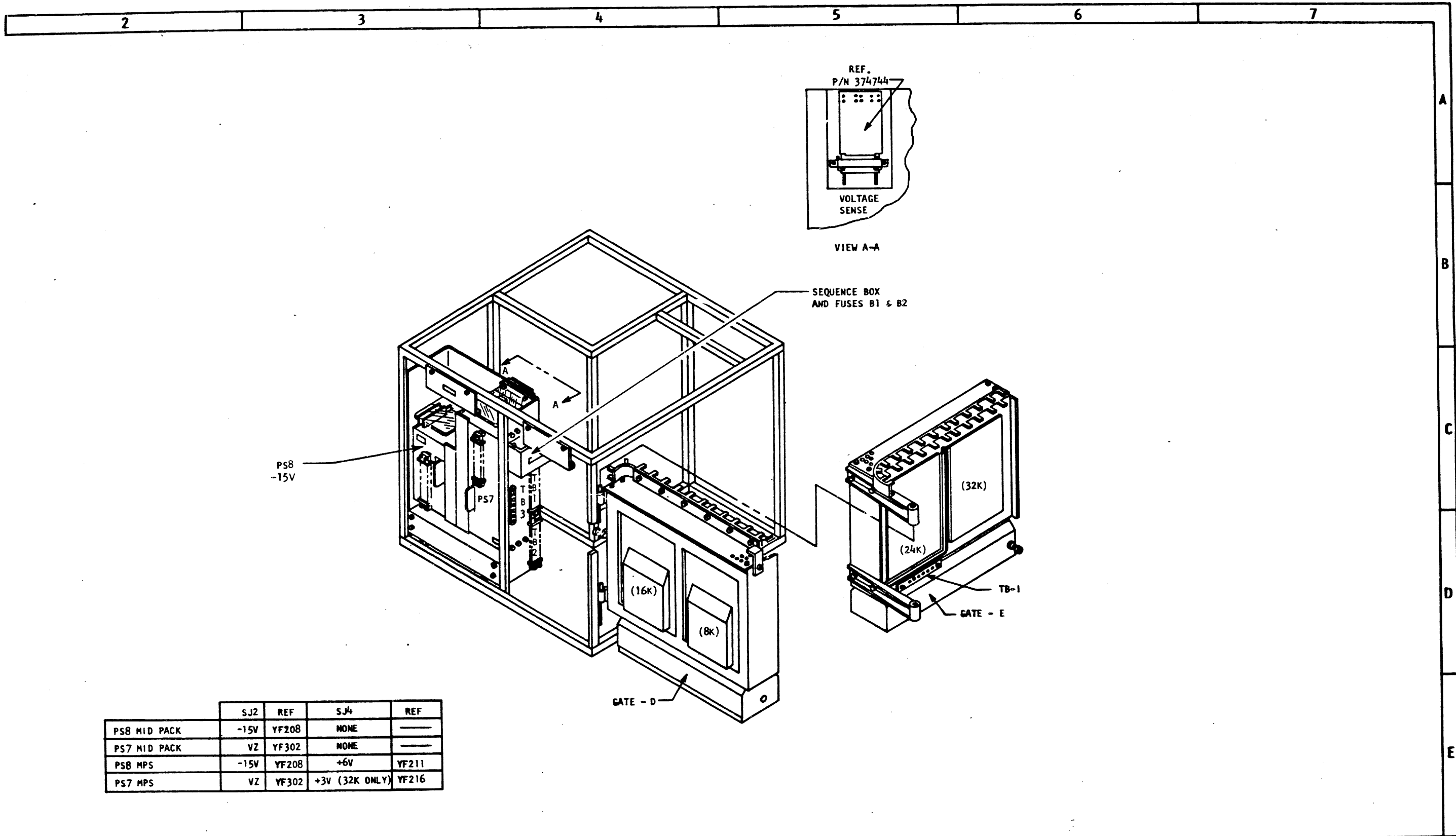
SYMBOL	DESCRIPTION
C1 & C2	CAP 42,000 UF 13VDC
C3-50 CY	CAP 8 UF 330VAC
C3-60 CY	CAP 7 UF 350VAC
R1	RESISTOR 25Ω, 25W
R2 & R3	RESISTOR 10Ω, 25W
C4	CAP 10,000 13VDC
R4	RESISTOR 50Ω, 10W

## NOTES:

- X THE VOLTAGE TAPS AND BLEEDER SHOULD BE CONNECTED AS REQUIRED DEPENDING ON LOAD CONDITIONS TO INSURE AN OUTPUT VOLTAGE WITHIN 1% TOLERANCE.

DATE	EC NUMBER	DATE	EC NUMBER	12V POWER SUPPLY - SCA ONLY		
APR 66	419610A			50 & 60 HZ		
JAN 66	419646			DATE	APR 66	P/N 2231290
MAY 67	420325					TYPE 1131
FEB 68	420364			<b>IBM</b>		YP006





PS8  
-15V

PS7

GATE - D

SEQUENCE BOX  
AND FUSES B1 & B2

REF.  
P/N 374744

VOLTAGE  
SENSE

VIEW A-A

(32K)

(24K)

TB-1

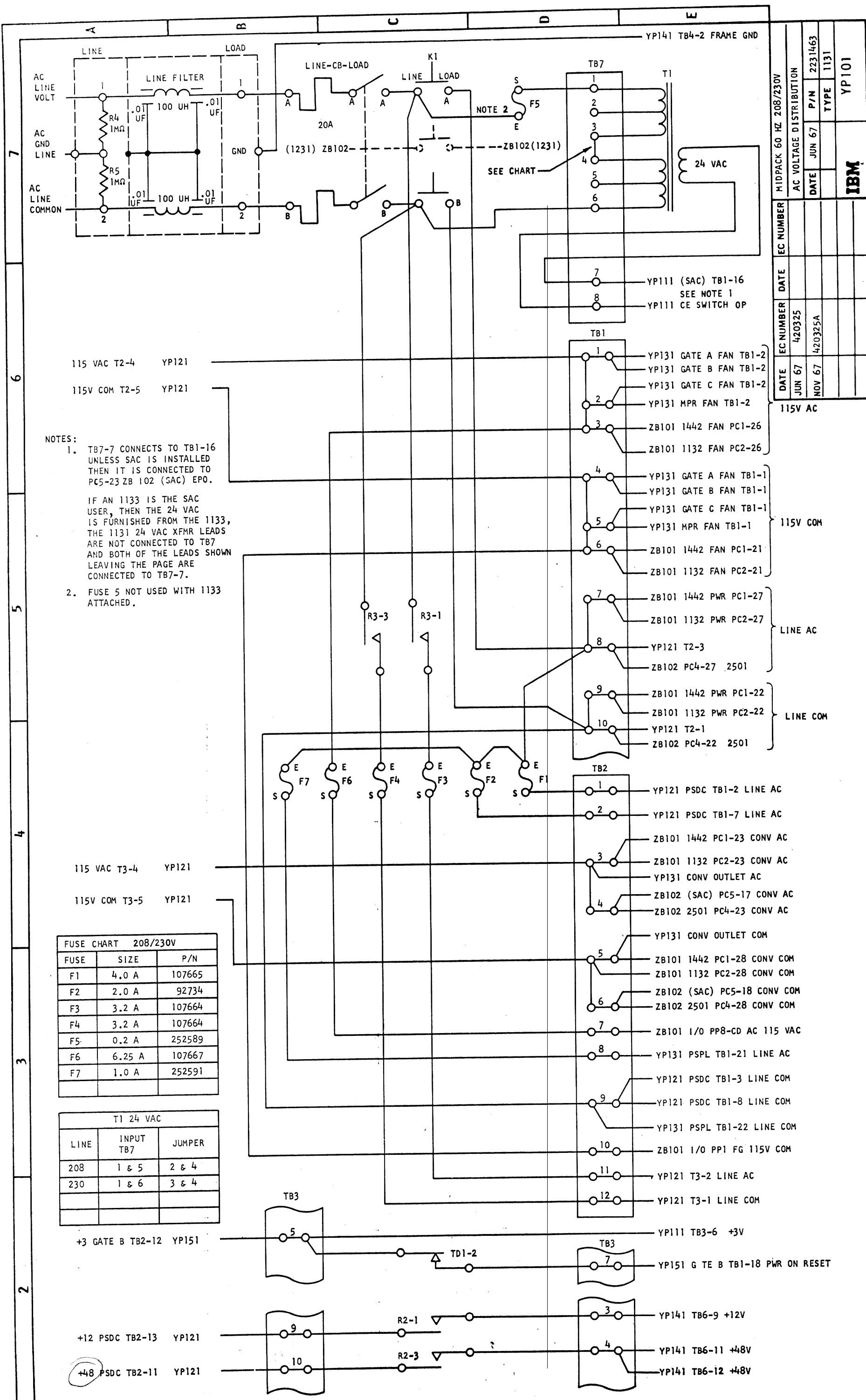
GATE - E

(8K)

(16K)

	SJ2	REF	SJ4	REF
PS8 MID PACK	-15V	YF208	NONE	---
PS7 MID PACK	VZ	YF302	NONE	---
PS8 MPS	-15V	YF208	+6V	YF211
PS7 MPS	VZ	YF302	+3V (32K ONLY)	YF216

DATE	EC NUMBER	DATE	EC NUMBER	COMPONENT LOCATION BLISTER		
JUN 67	420325			(EXPANDED MEMORY)		
OCT67	420327			DATE	JUN 67	P/N 2231464
30MAR68	420364					TYPE 1131
13JAN69	571003			<b>IBM</b>		YP009



NOTES:  
 1. TB7-7 CONNECTS TO TB1-16 UNLESS SAC IS INSTALLED THEN IT IS CONNECTED TO PC5-23 ZB 102 (SAC) EPO.  
 IF AN 1133 IS THE SAC USER, THEN THE 24 VAC IS FURNISHED FROM THE 1133, THE 1131 24 VAC XFMR LEADS ARE NOT CONNECTED TO TB7 AND BOTH OF THE LEADS SHOWN LEAVING THE PAGE ARE CONNECTED TO TB7-7.  
 2. FUSE 5 NOT USED WITH 1133 ATTACHED.

FUSE CHART 208/230V		
FUSE	SIZE	P/N
F1	4.0 A	107665
F2	2.0 A	92734
F3	3.2 A	107664
F4	3.2 A	107664
F5	0.2 A	252589
F6	6.25 A	107667
F7	1.0 A	252591

T1 24 VAC		
LINE	INPUT TB7	JUMPER
208	1 & 5	2 & 4
230	1 & 6	3 & 4

+3 GATE B TB2-12 YP151  
 +12 PSDC TB2-13 YP121  
 +48 PSDC TB2-11 YP121

- 1 YP111 (SAC) TB1-16 SEE NOTE 1
- 2 YP111 CE SWITCH OP
- 3 YP131 GATE A FAN TB1-2
- 4 YP131 GATE B FAN TB1-2
- 5 YP131 GATE C FAN TB1-2
- 6 YP131 MPR FAN TB1-2
- 7 ZB101 1442 FAN PC1-26
- 8 ZB101 1132 FAN PC2-26
- 9 YP131 GATE A FAN TB1-1
- 10 YP131 GATE B FAN TB1-1
- 11 YP131 GATE C FAN TB1-1
- 12 YP131 MPR FAN TB1-1
- 13 ZB101 1442 FAN PC1-21
- 14 ZB101 1132 FAN PC2-21
- 15 ZB101 1442 PWR PC1-27
- 16 ZB101 1132 PWR PC2-27
- 17 YP121 T2-3
- 18 ZB102 PC4-27 2501
- 19 ZB101 1442 PWR PC1-22
- 20 ZB101 1132 PWR PC2-22
- 21 YP121 T2-1
- 22 ZB102 PC4-22 2501
- 23 YP121 PSDC TB1-2 LINE AC
- 24 YP121 PSDC TB1-7 LINE AC
- 25 ZB101 1442 PC1-23 CONV AC
- 26 ZB101 1132 PC2-23 CONV AC
- 27 YP131 CONV OUTLET AC
- 28 ZB102 (SAC) PC5-17 CONV AC
- 29 ZB102 2501 PC4-23 CONV AC
- 30 YP131 CONV OUTLET COM
- 31 ZB101 1442 PC1-28 CONV COM
- 32 ZB101 1132 PC2-28 CONV COM
- 33 ZB102 (SAC) PC5-18 CONV COM
- 34 ZB102 2501 PC4-28 CONV COM
- 35 ZB101 I/O PP8-CD AC 115 VAC
- 36 YP131 PSPL TB1-21 LINE AC
- 37 YP121 PSDC TB1-3 LINE COM
- 38 YP121 PSDC TB1-8 LINE COM
- 39 YP131 PSPL TB1-22 LINE COM
- 40 ZB101 I/O PP1 FG 115V COM
- 41 YP121 T3-2 LINE AC
- 42 YP121 T3-1 LINE COM

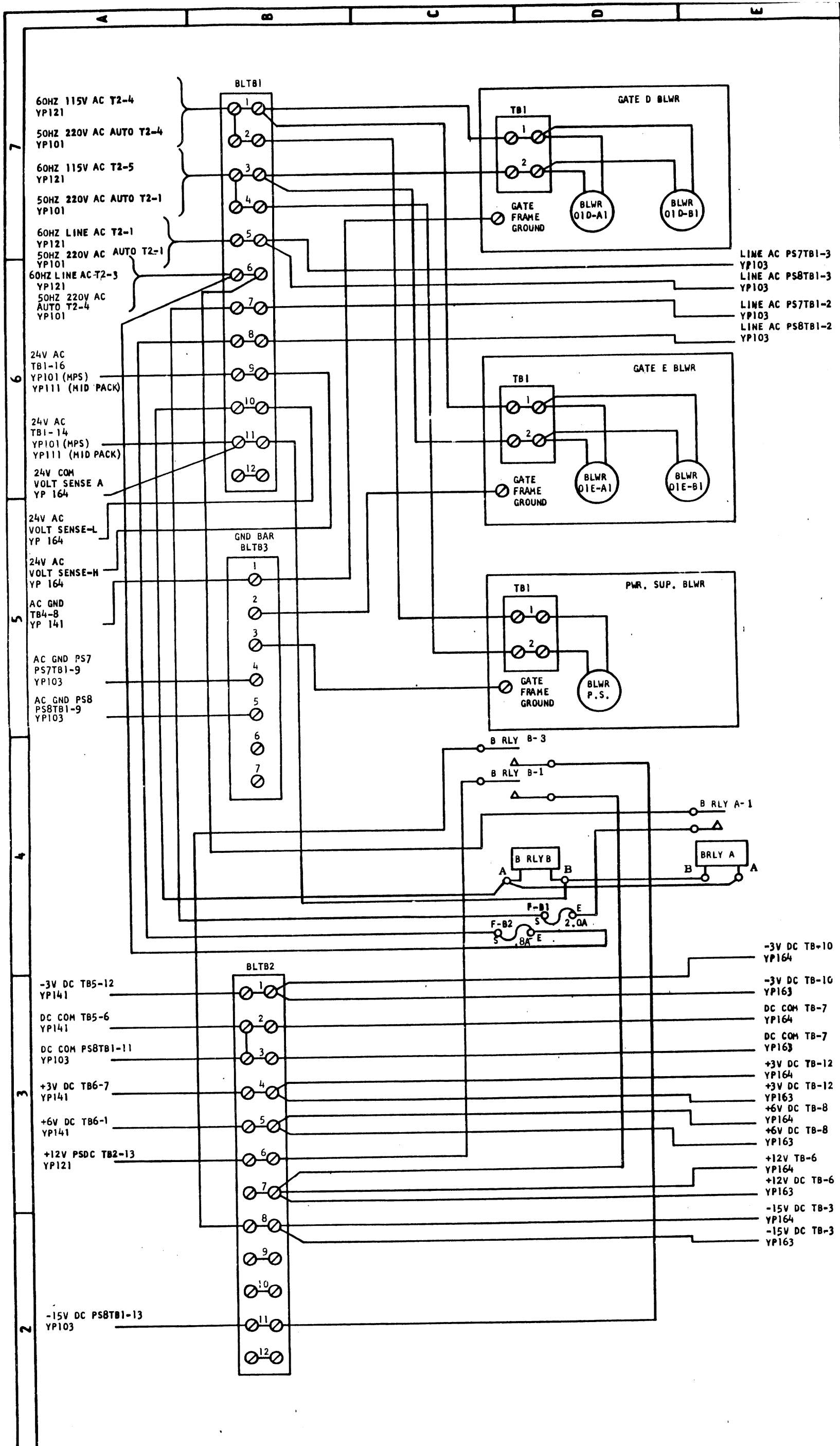
MIDPACK 60 HZ 208/230V	
AC VOLTAGE DISTRIBUTION	
DATE	P/N
JUN 67	2331463
DATE	TYPE
NOV 67	1131

EC NUMBER	DATE	EC NUMBER	DATE
420325	JUN 67	420325A	NOV 67

AC VOLTAGE DISTRIBUTION	
DATE	P/N
JUN 67	2331463
DATE	TYPE
NOV 67	1131

IBM

YP101



1131 BLISTER AC-DC DISTRIBUTION	
DATE	EC NUMBER
SEP 66	419640A
JUL 67	420325
AUG 67	420368
OCT 67	420327
DEC 67	420398

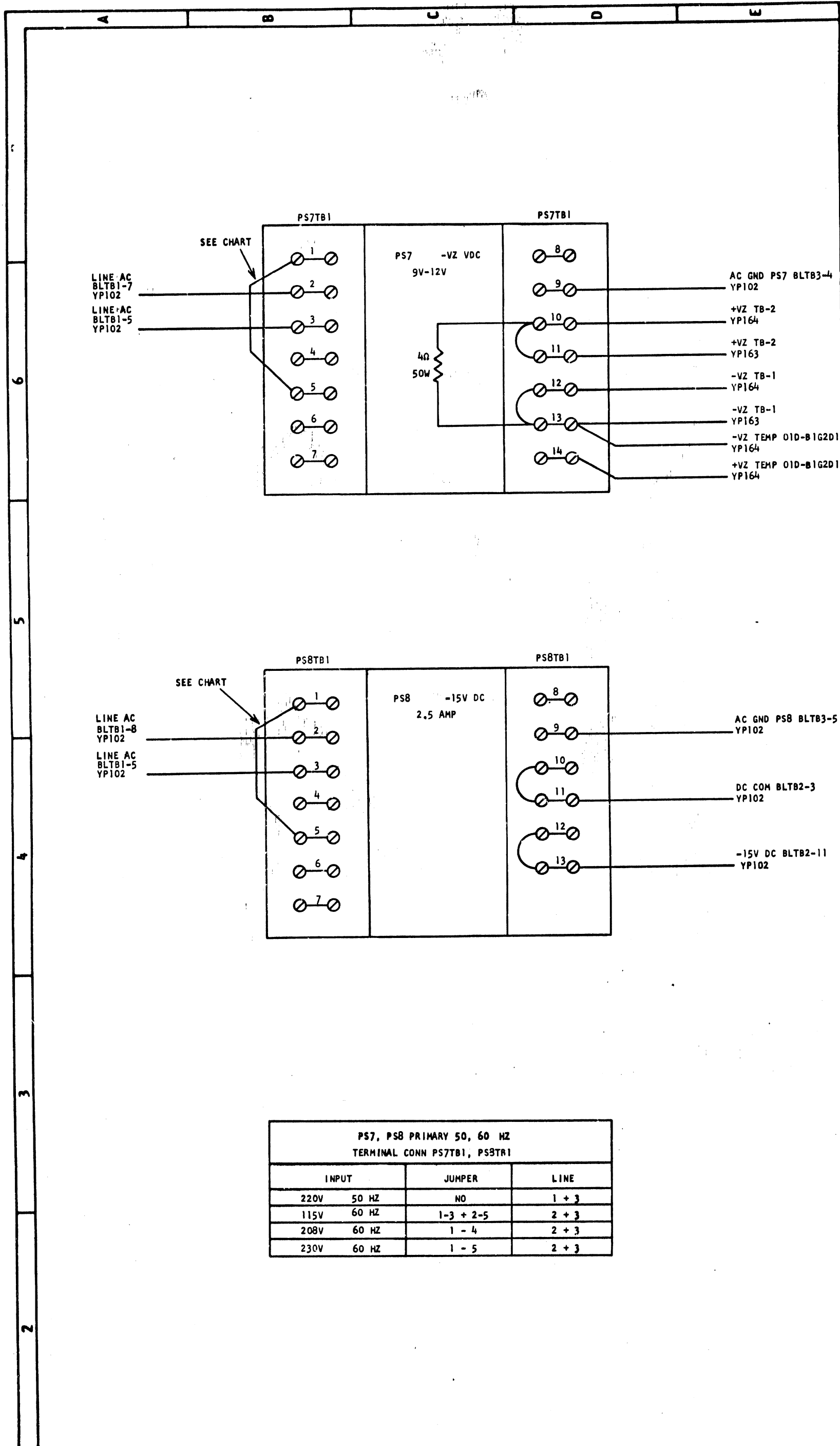
DATE	EC NUMBER	DATE	EC NUMBER
29 MAR 68	420369	420426	521003
09 MAY 68	420426	11 DEC 68	

DATE	P/N	TYPE
2231568		1131

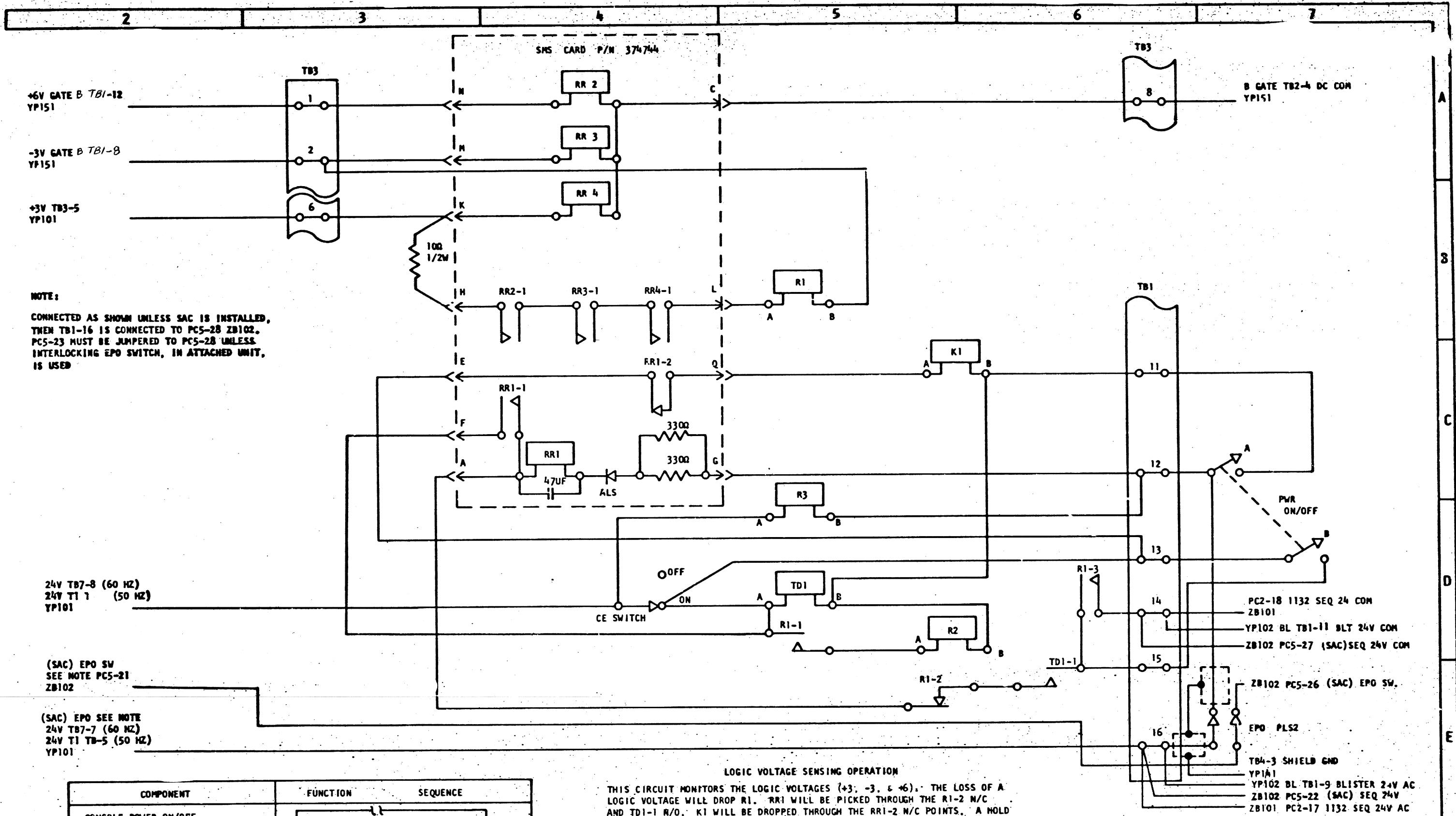
IBM	
DATE	YP102



1131 BLISTER POWER SUPPLIES						
DATE	EC NUMBER	DATE	EC NUMBER	DATE	P/N	TYPE
SEP 66	419640A	SEP 66	420325	SEP 66	2231569	1131
JUN 67	420325	JUN 67	420325			
DEC 67	420312	DEC 67	420312			
						YP103
				<b>IDM</b>		

PS7, PS8 PRIMARY 50, 60 HZ					
TERMINAL CONN PS7TB1, PS8TB1					
INPUT		JUMPER		LINE	
220V	50 HZ	NO		1 + 3	
115V	60 HZ	1-3	+ 2-5	2 + 3	
208V	60 HZ	1 - 4		2 + 3	
230V	60 HZ	1 - 5		2 + 3	

6  
5  
4  
3  
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**NOTE:**  
 CONNECTED AS SHOWN UNLESS SAC IS INSTALLED,  
 THEN TB1-16 IS CONNECTED TO PC5-28 ZB102.  
 PC5-23 MUST BE JUMPED TO PC5-28 UNLESS  
 INTERLOCKING EPO SWITCH, IN ATTACHED UNIT,  
 IS USED

24V TB7-8 (60 HZ)  
 24V T1 1 (50 HZ)  
 YP101

(SAC) EPO SW  
 SEE NOTE PC5-21  
 ZB102

(SAC) EPO SEE NOTE  
 24V TB7-7 (60 HZ)  
 24V T1 TB-5 (50 HZ)  
 YP101

COMPONENT	FUNCTION	SEQUENCE
CONSOLE POWER ON/OFF	[Symbol]	[Symbol]
K1 COIL & TD COIL	[Symbol]	[Symbol]
R1 (+6, +3, -3)	[Symbol]	[Symbol]
R2 (+12, +48)	[Symbol]	[Symbol]
TD1 CONTACTS 5 SEC. DELAY	[Symbol]	[Symbol]

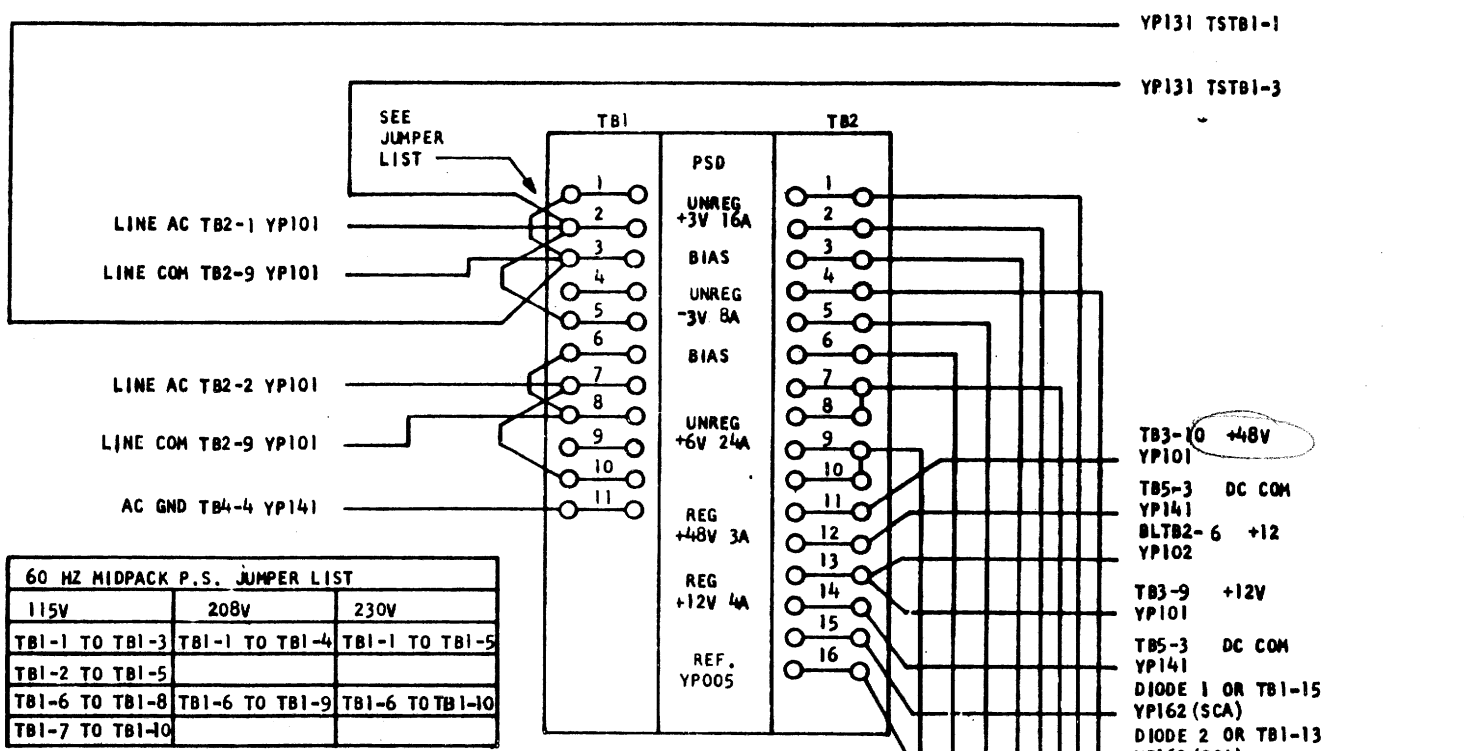
**LOGIC VOLTAGE SENSING OPERATION**

THIS CIRCUIT MONITORS THE LOGIC VOLTAGES (+3, -3, & +6). THE LOSS OF A LOGIC VOLTAGE WILL DROP R1. RR1 WILL BE PICKED THROUGH THE R1-2 N/C AND TD1-1 R/O. K1 WILL BE DROPPED THROUGH THE RR1-2 N/C POINTS. A HOLD CIRCUIT IS ESTABLISHED TO RR1 THROUGH ITS -1 POINT. THE POWER ON/OFF SWITCH IS THUSLY DISABLED TO PREVENT POWER ON ATTEMPTS WITH A LOGIC VOLTAGE MISSING.

TO RESET THE CIRCUIT, RR1 MUST BE DROPPED OUT BY THE CE MANUALLY OPERATING EITHER THE CE SWITCH OR THE MAINLINE CB ON THE AC SEQUENCE BOX. (IF 1133 IS ATTACHED, RESET WITH MAINLINE CB ON 1133, OR CE SWITCH ON 1131.)

DATE	EC NUMBER	DATE	EC NUMBER	MIDPACK POWER ON
NOV 66	415727A			SEQUENCE & VOLTAGE SENSE
APR 67	415727B			DATE JUL 66 P/N 2231332
JULY 67	420325A			TYPE 1131
				<b>IBM</b> YP111

7  
6  
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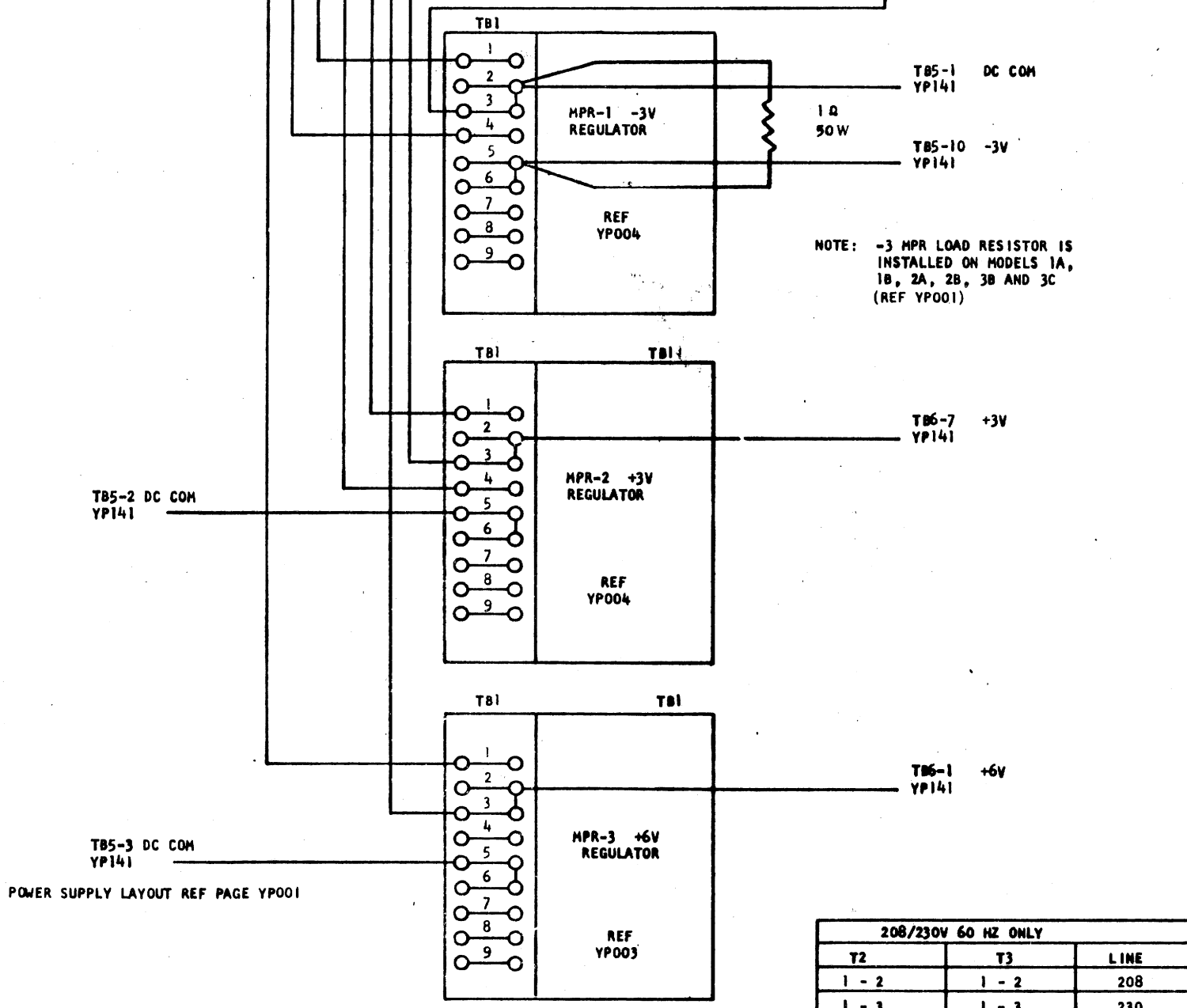


60 HZ MIDPACK P.S. JUMPER LIST

115V	208V	230V
TBI-1 TO TBI-3	TBI-1 TO TBI-4	TBI-1 TO TBI-5
TBI-2 TO TBI-5		
TBI-6 TO TBI-8	TBI-6 TO TBI-9	TBI-6 TO TBI-10
TBI-7 TO TBI-10		

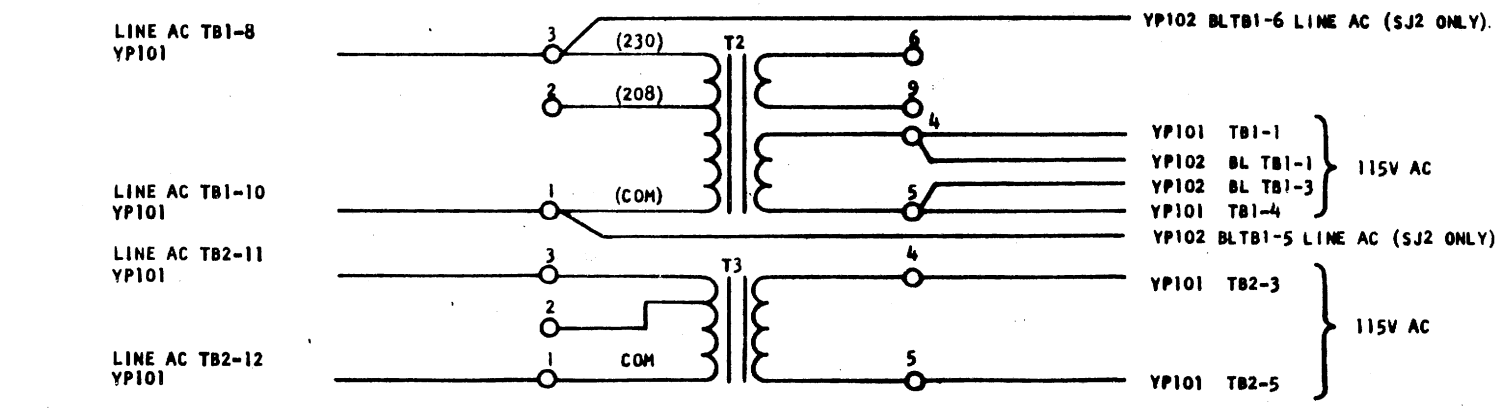
DATE	EC NUMBER	DATE	EC NUMBER	DATE	EC NUMBER
NOV 66	415727A	NOV 67	420325A	NOV 67	420325A
MAR 67	415727G	NOV 67	419691		
JUN 67	420325	FEB 68	420364		
AUG 67	420368	22JUL68	420442		
OCT 67	420327	13JAN69	571003		

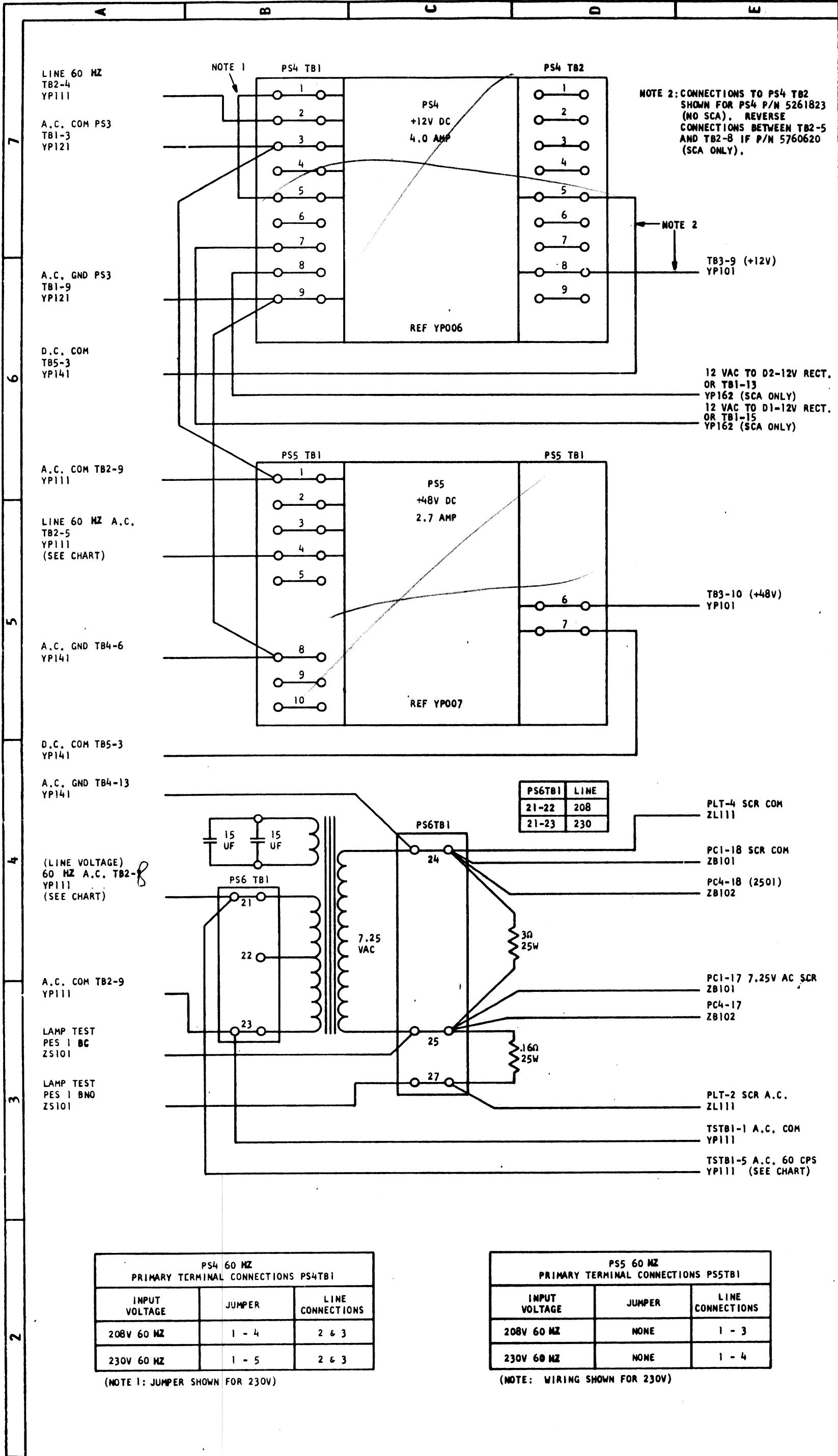
60HZ MIDPACK POWER SUPPLY REG  
+6, +3, -3, +12, +48VDC  
P/N 2231333  
DATE JUL 66  
TYPE 1131  
IBM  
YP121



208/230V 60 HZ ONLY

T2	T3	LINE
1 - 2	1 - 2	208
1 - 3	1 - 3	230





DATE	EC NUMBER	DATE	EC NUMBER	POWER SUPPLY	48V & 12V
OCT 66	419610A	11 DEC 66	4571003	60 HERTZ	208/230
APR 67	420319			DATE	SEP 66
JUN 67	415777H			P/N	2231562
AUG 67	415325A			TYPE	1131
FEB 68	420364				YPI31

IBM

LINE 60 MZ  
TB2-4  
YP111

A.C. COM PS3  
TB1-3  
YP121

A.C. GND PS3  
TB1-9  
YP121

D.C. COM  
TB5-3  
YP141

A.C. COM TB2-9  
YP111

LINE 60 MZ A.C.  
TB2-5  
YP111  
(SEE CHART)

A.C. GND TB4-6  
YP141

D.C. COM TB5-3  
YP141

A.C. GND TB4-13  
YP141

(LINE VOLTAGE)  
60 MZ A.C. TB2-8  
YP111  
(SEE CHART)

A.C. COM TB2-9  
YP111

LAMP TEST  
PES 1 BC  
ZS101

LAMP TEST  
PES 1 BNO  
ZS101

NOTE 2: CONNECTIONS TO PS4 TB2  
SHOWN FOR PS4 P/N 5261823  
(NO SCA). REVERSE  
CONNECTIONS BETWEEN TB2-5  
AND TB2-8 IF P/N 5760620  
(SCA ONLY).

NOTE 2  
TB3-9 (+12V)  
YP101

12 VAC TO D2-12V RECT.  
OR TB1-13  
YP162 (SCA ONLY)  
12 VAC TO D1-12V RECT.  
OR TB1-15  
YP162 (SCA ONLY)

TB3-10 (+48V)  
YP101

PS6TB1	LINE
21-22	208
21-23	230

PLT-4 SCR COM  
ZL111

PC1-18 SCR COM  
ZB101

PC4-18 (2501)  
ZB102

PC1-17 7.25V AC SCR  
ZB101

PC4-17  
ZB102

PLT-2 SCR A.C.  
ZL111

TSTB1-1 A.C. COM  
YP111

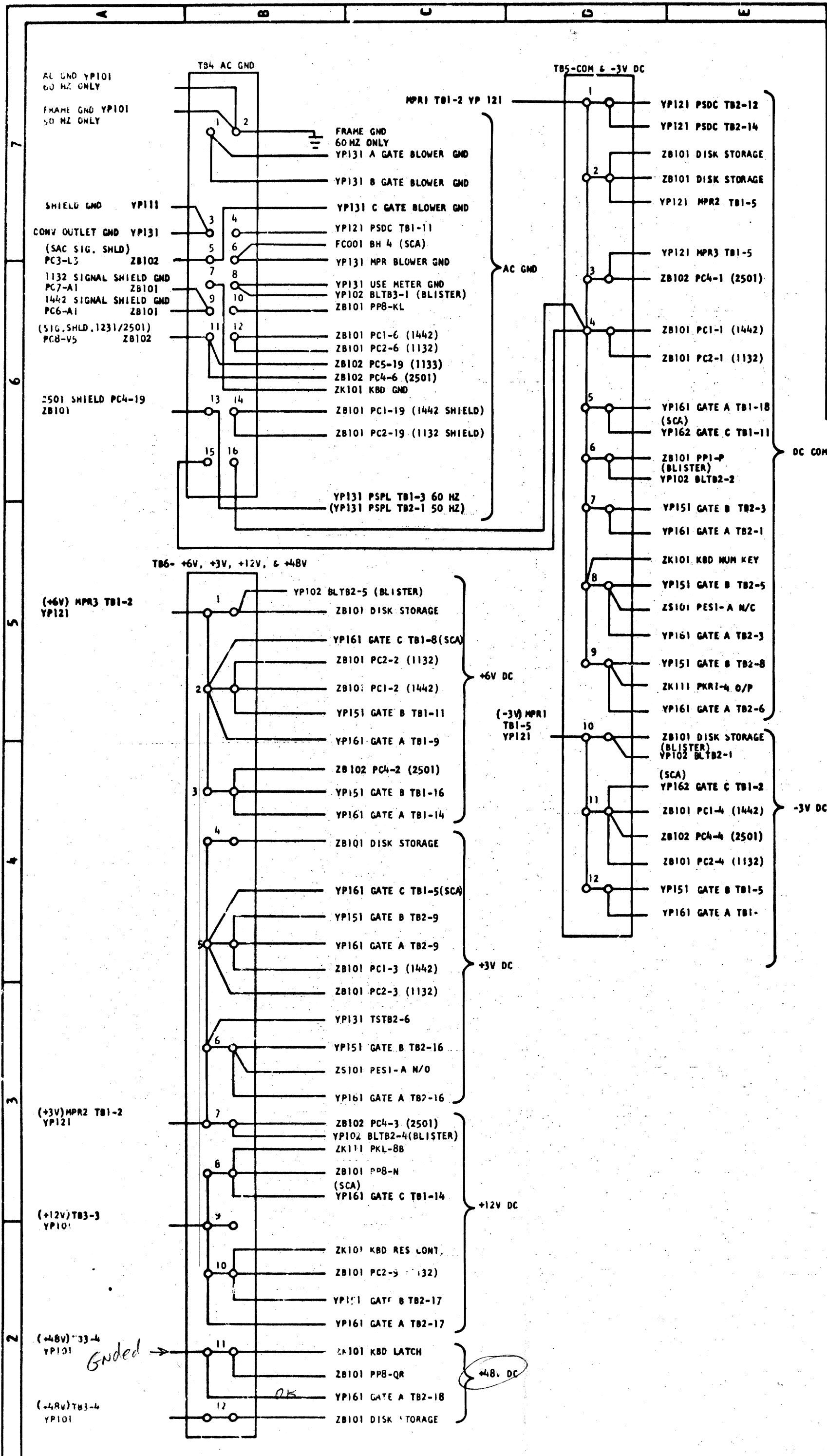
TSTB1-5 A.C. 60 CPS  
YP111 (SEE CHART)

PS4 60 MZ PRIMARY TERMINAL CONNECTIONS PS4TB1		
INPUT VOLTAGE	JUMPER	LINE CONNECTIONS
208V 60 MZ	1 - 4	2 & 3
230V 60 MZ	1 - 5	2 & 3

(NOTE 1: JUMPER SHOWN FOR 230V)

PS5 60 MZ PRIMARY TERMINAL CONNECTIONS PS5TB1		
INPUT VOLTAGE	JUMPER	LINE CONNECTIONS
208V 60 MZ	NONE	1 - 3
230V 60 MZ	NONE	1 - 4

(NOTE: WIRING SHOWN FOR 230V)



MIDPACK DC VOLTAGE		E. STRIBUTUM 50 & 60 HERTZ	
DATE	EC NUMBER	DATE	P/N
NOV 66	415727A	FEB 68	2231335
MAR 67	415727G		
JUN 67	420325		1131
AUG 67	420368		
OCT 67	420227		

Y P 1 4 1
<b>IBM</b>

7  
 6  
 5  
 4  
 3  
 2

*Grounded* →

*OK*

*+48V DC*

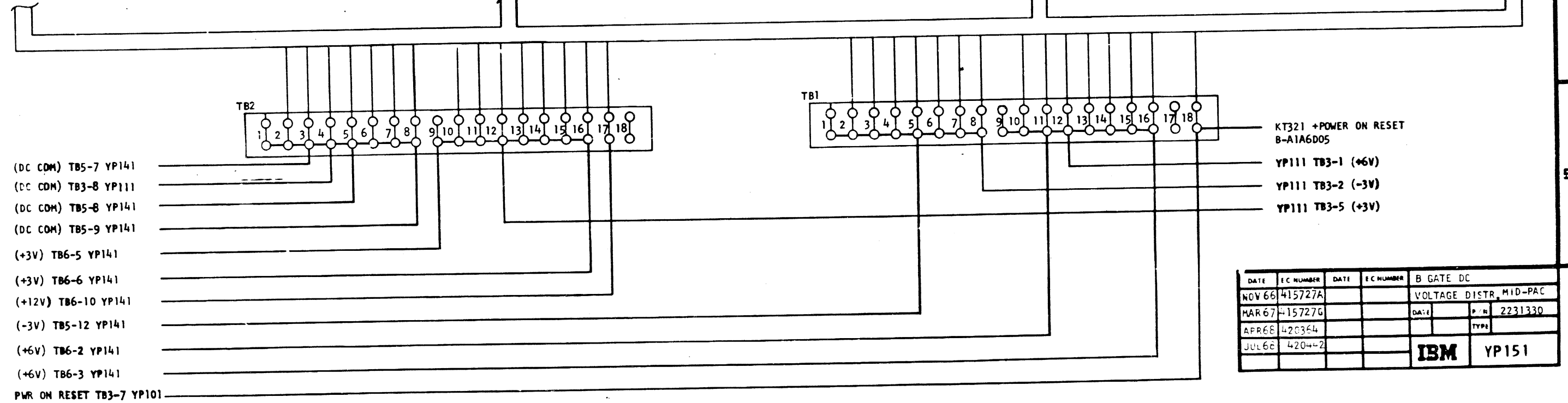
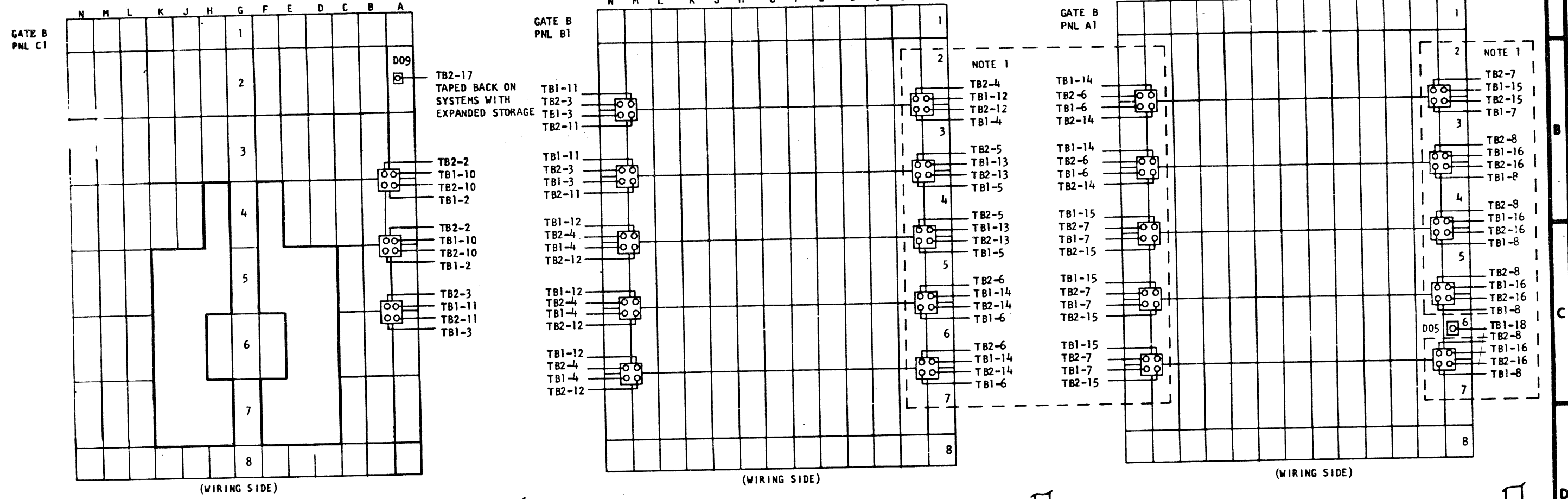


NOTE 1: TERMINALS NOT USED ON LATER SYSTEMS. VOLTAGES ARE SUPPLIED TO A 1 BOARD WITH CROSSOVERS.

O1B-C1 (REFERRED TO AS 63Z-Z1 IN MEMORY LOGIC PAGES SDXXX)

O1B-B1

O1B-A1



DATE	EC NUMBER	DATE	EC NUMBER	B GATE DC
NOV 66	415727A			VOLTAGE DISTR. MID-PAC
MAR 67	415727G			DATE P/N 2231330
APR 68	420364			TYPE
JUL 68	420442			IBM YP151

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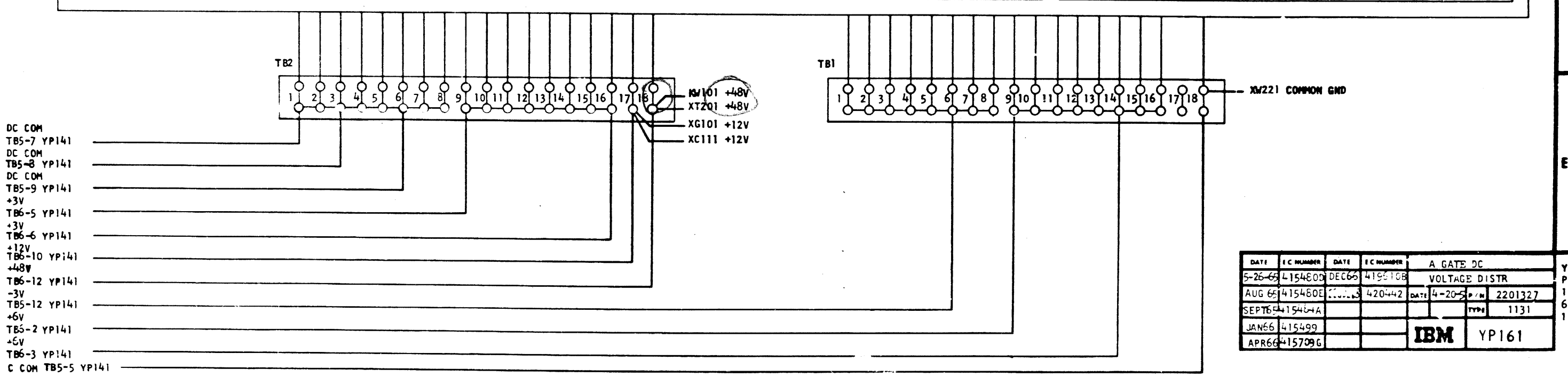
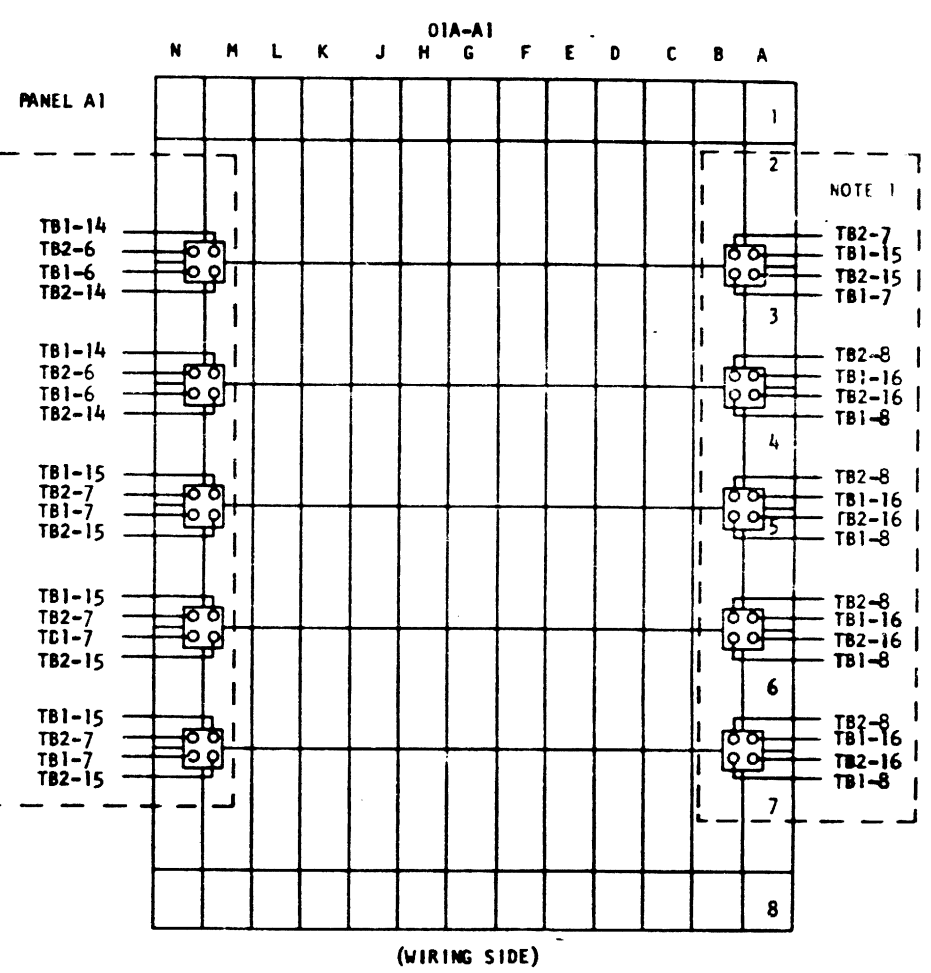
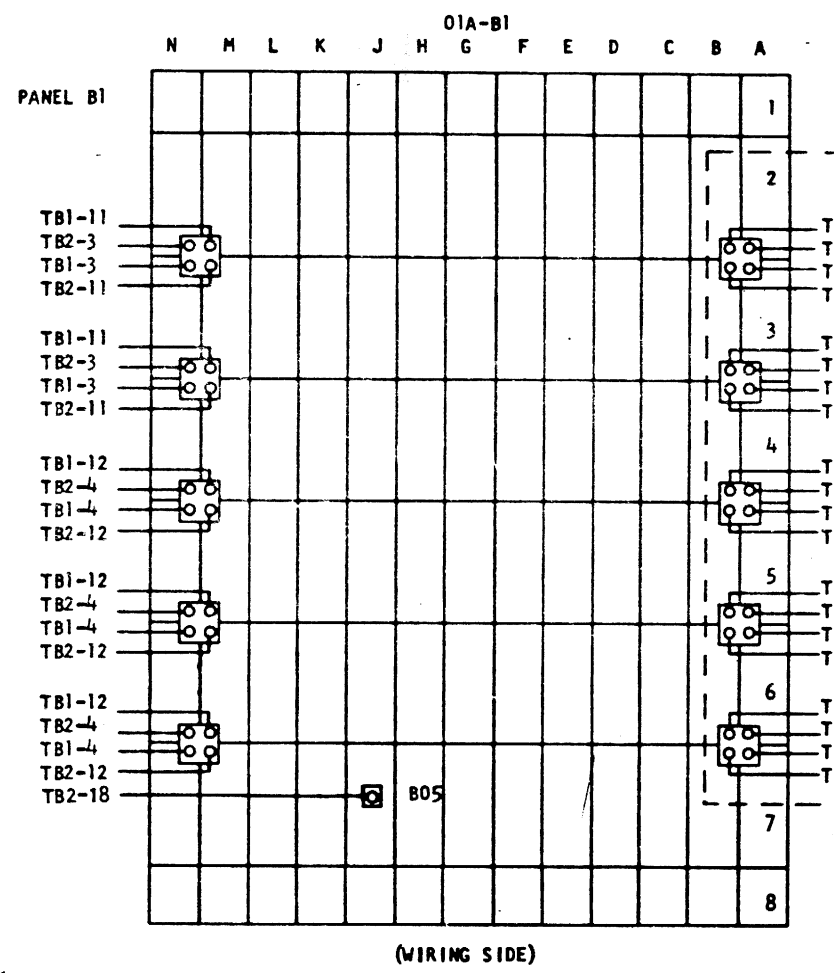
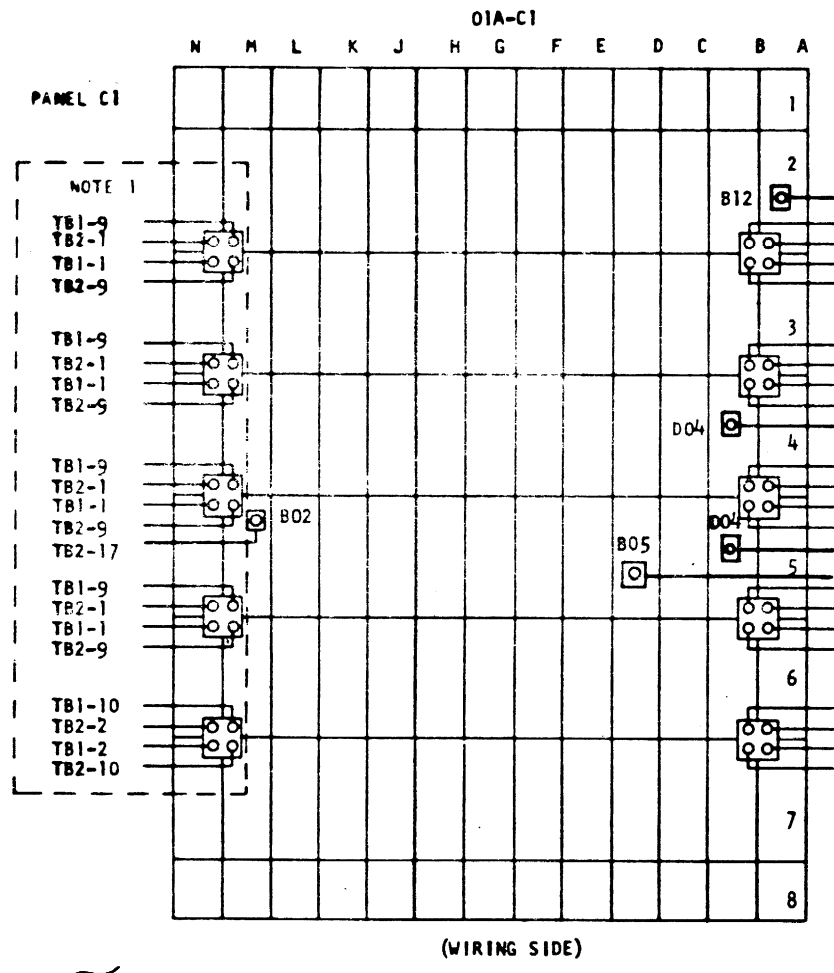
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6

7

NOTE 1: TERMINALS NOT USED ON LATER SYSTEMS. VOLTAGES ARE SUPPLIED TO A I BOARD WITH CROSSOVERS.

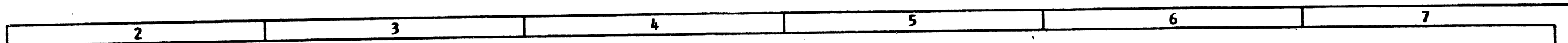
YP161



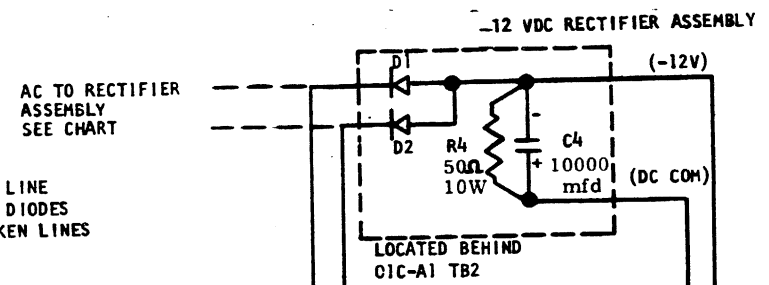
DATE	EC NUMBER	DATE	EC NUMBER	A GATE DC
5-26-65	4154800	DEC66	4195108	VOLTAGE DISTR
AUG 65	415480E		420442	DATE 4-20-5 P/M 2201327
SEPT65	415484A			TYPE 1131
JAN66	415499			
APR66	415709G			

**IBM** YP161

Y P 1 6 1



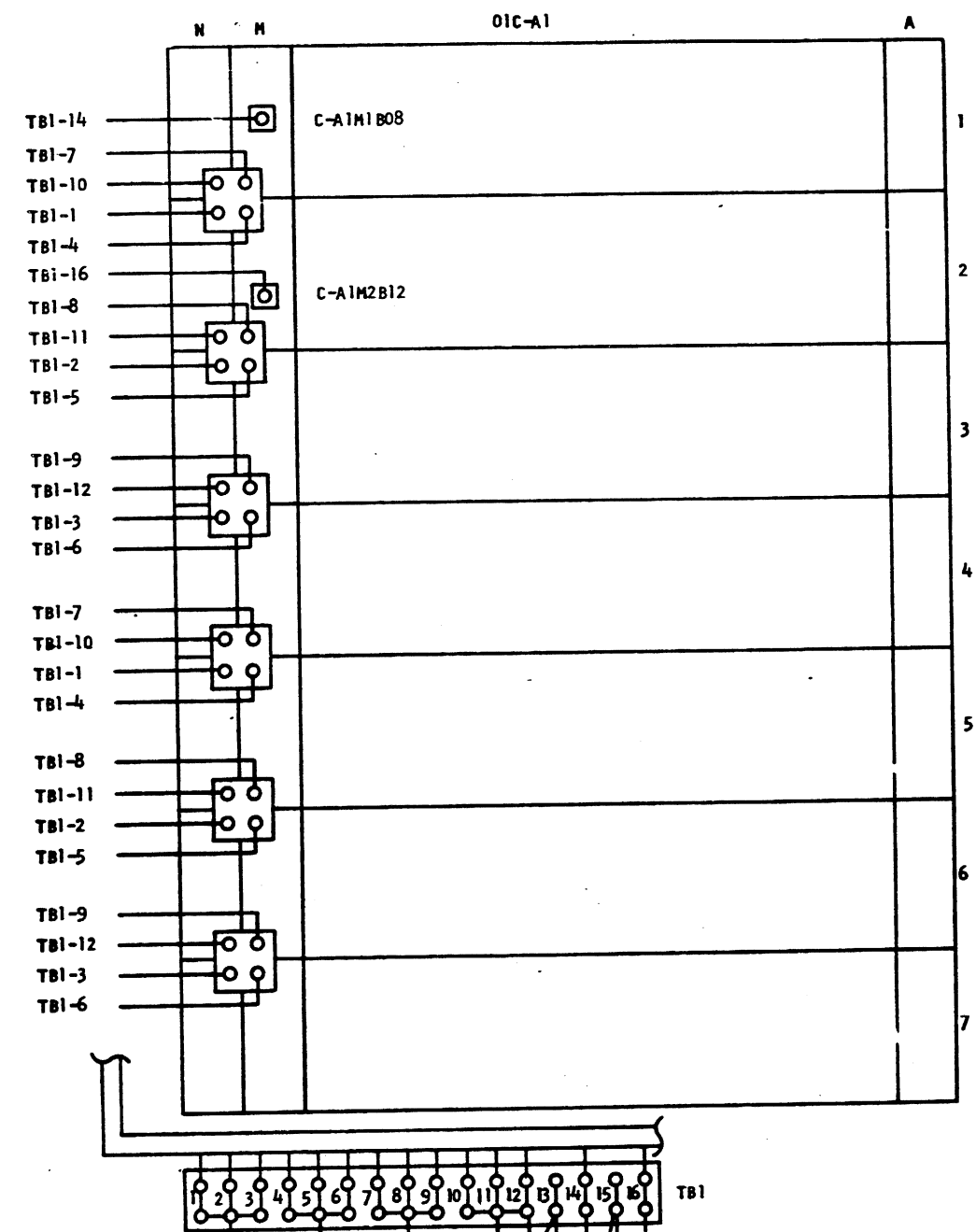
NOTE:  
ON EARLY SYSTEMS AC LINE  
CONNECT DIRECTLY TO DIODES  
AS INDICATED BY BROKEN LINES



SYSTEM POWER SUPPLY TYPE	FROM	TO
MPS 60 HZ	YP131 PS4 TB1-7	D1 OR TB1-15
	YP131 PS4 TB1-8	D2 OR TB1-13
MPS 50 HZ	YP131 PS4 TB1-10	D1 OR TB1-15
	YP131 PS4 TB2-9	D2 OR TB1-13
MIDPACK 50 & 60 HZ	YP121 PSDC TB2-15	D1 OR TB1-15
	YP121 PSDC TB2-16	D2 OR TB1-13

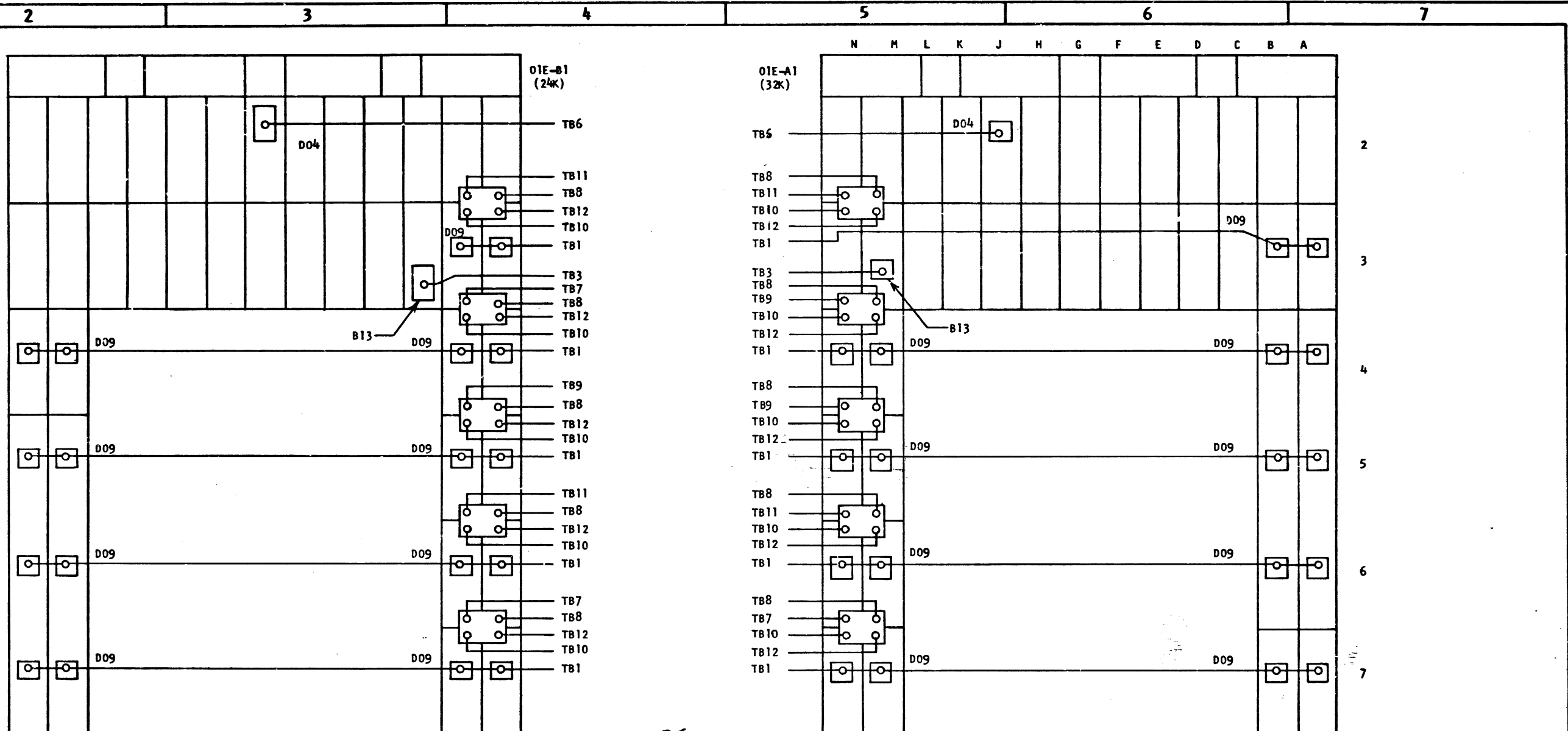
AC TO RECTIFIER ASSEMBLY SEE CHART

-3V TB5-11 YP141  
+3V TB6-5 YP141  
+6V TB6-2 YP141  
DC COM TB5-5 YP141  
+12V TB6-8 YP141

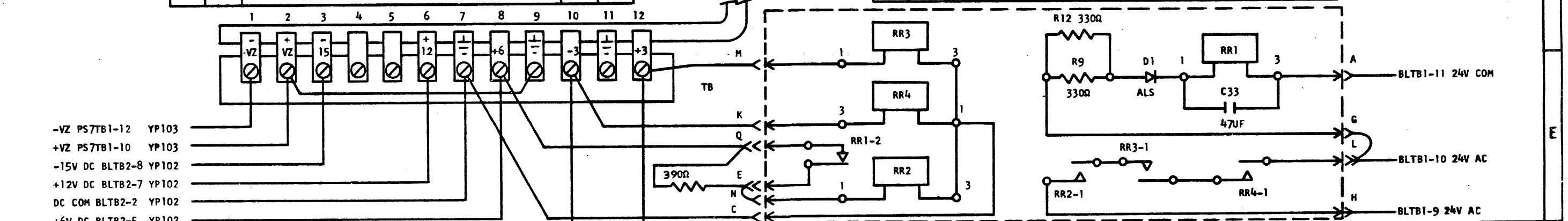
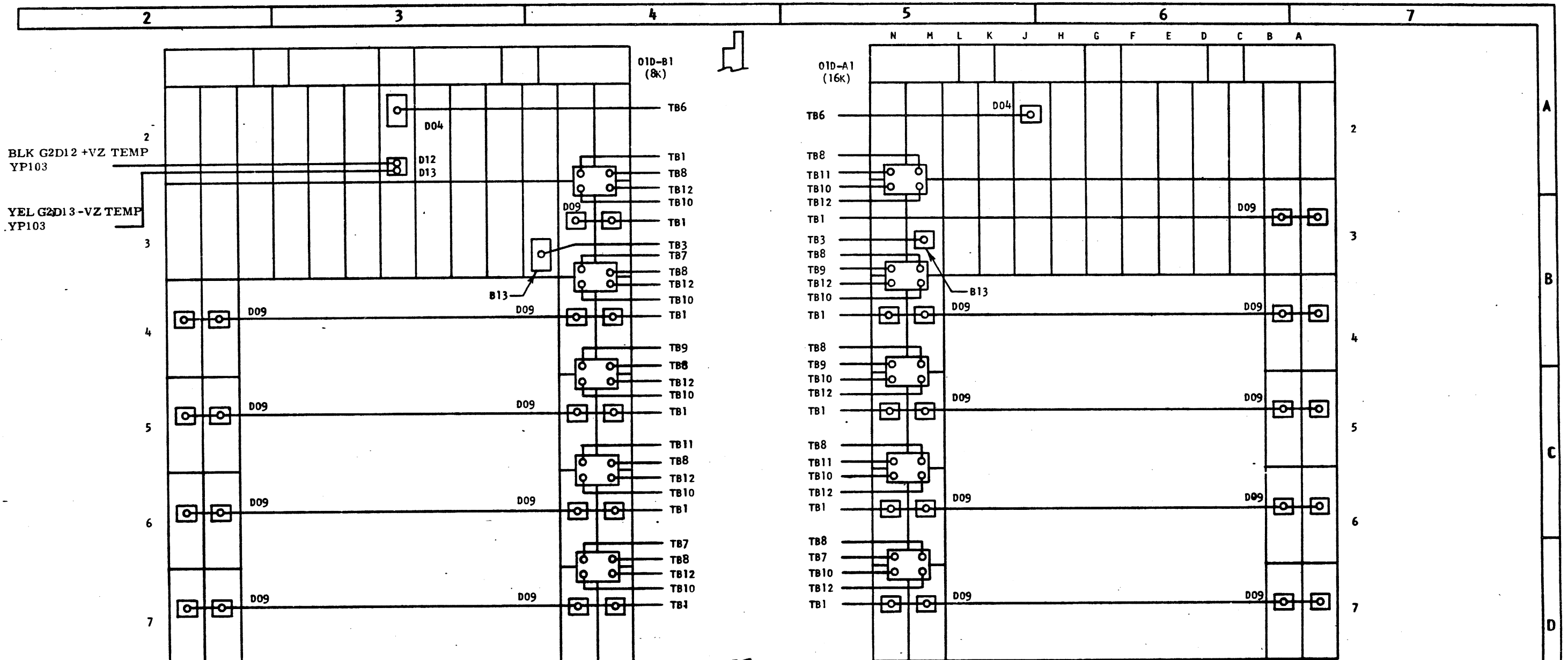


DATE	EC NUMBER	DATE	EC NUMBER	C GATE DC VOLTAGE (SCA)		
APR 66	419610A			DISTRIBUTION		
MAY 67	420325			DATE	P/N	2231291
FEB 68	420364				TYPE	1131
11DEC68	571003			<b>IBM</b>		<b>YP162</b>

A  
B  
C  
D  
E



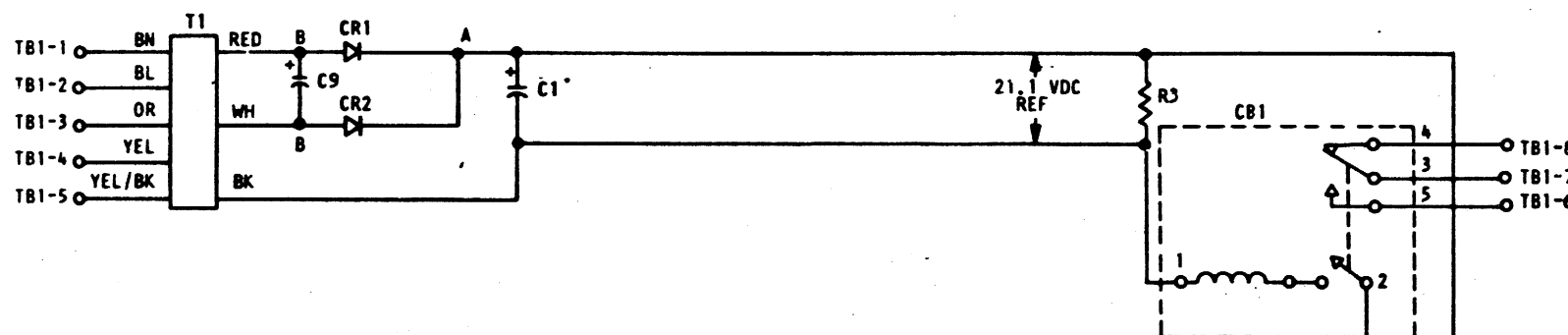
DATE	EC NUMBER	DATE	EC NUMBER	E GATE POWER DISTRIBUTION SJ2 (2.2 MICRO SECOND)	
SEP 66	419640A			DATE	SEP 66
DEC 67	420312			P/N	2231571
				TYPE	1131
				<b>IBM</b>	YP163



DATE	EC NUMBER	DATE	EC NUMBER	D GATE POWER DISTRIBUTION SJ2 (2.2 MICRO SECOND)	
SEP 66	419640A			DATE	SEP 66
DEC 67	420312			P/N	2231570
MAR 67	420426			TYPE	1131
11DEC68	571003			<b>IBM</b>	YP164

REFERENCE DRAWING

15V MPS POWER SUPPLY SJ-2 BLISTER

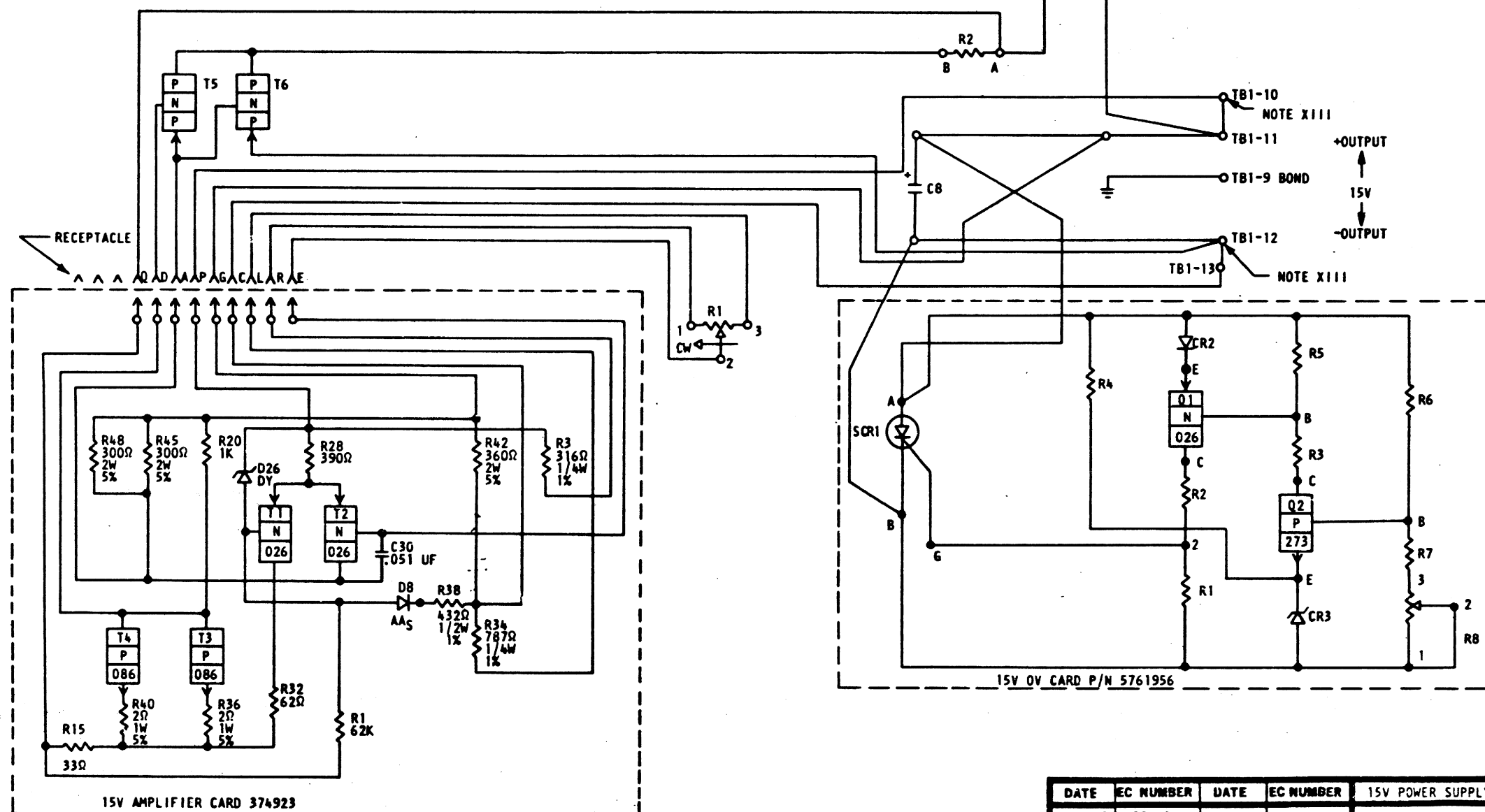


NOTES:

- XI
- XII
- XIII FOR REMOTE SENSING REMOVE JUMPERS INDICATED AND SENSE BETWEEN TB1-10 AND TB1-13
- XIV TRANSFORMER (T1) PART NUMBER 5261483 IS FOR 60 HZ WHILE PART NUMBER 4116461 IS FOR 50 HZ

FOR 60HZ PRIMARY TERM CONN		
INPUT VOLTAGE	JUMPER	LINE CONN
115	1-3 2-5	2-3
208	1-4	2-3
230	1-5	2-3

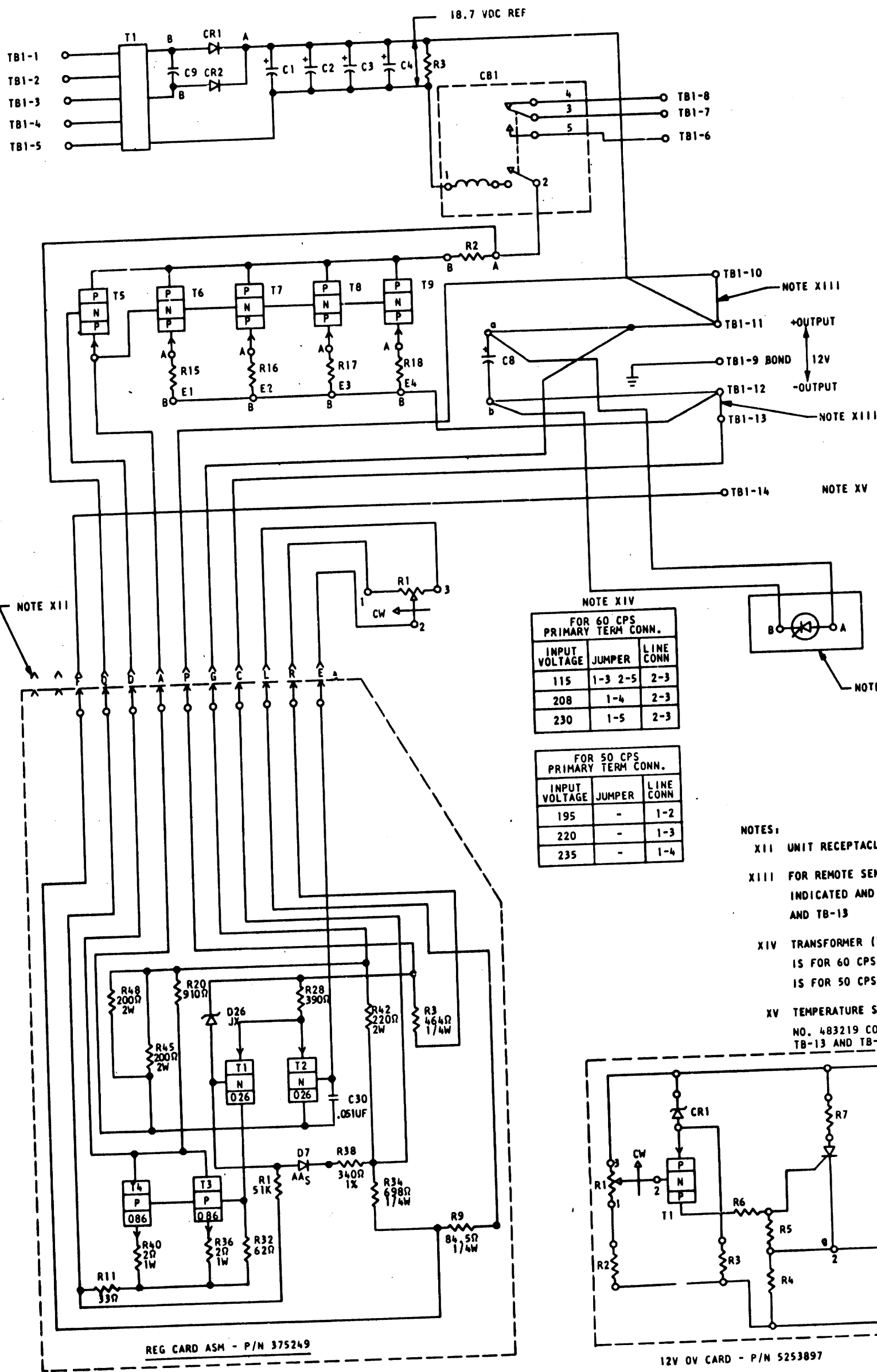
FOR 50HZ PRIMARY TERM CONN		
INPUT VOLTAGE	JUMPER	LINE CONN
195	-	1-2
220	-	1-3
235	-	1-4



DATE	EC NUMBER	DATE	EC NUMBER	15V POWER SUPPLY SJ-2 BLISTER	
1 JUL 68	420442			DATE	AUG 68 P/N 2231893
					TYPE
				<b>IBM</b>	YPI65

POWER SUPPLY 9 - 12 VDC SJ - 2 BLISTER

REFERENCE DRAWING



DATE		EC NUMBER		DATE		DATE		P/M		TYPE	
1 JUL 68		420-42		9-12 VDC POWER SUPPLY		SJ-2 BLISTER		AUG 68		2231894	
										YPI66	
										IBM	

NOTE XIV  
FOR 60 CPS  
PRIMARY TERM CONN.

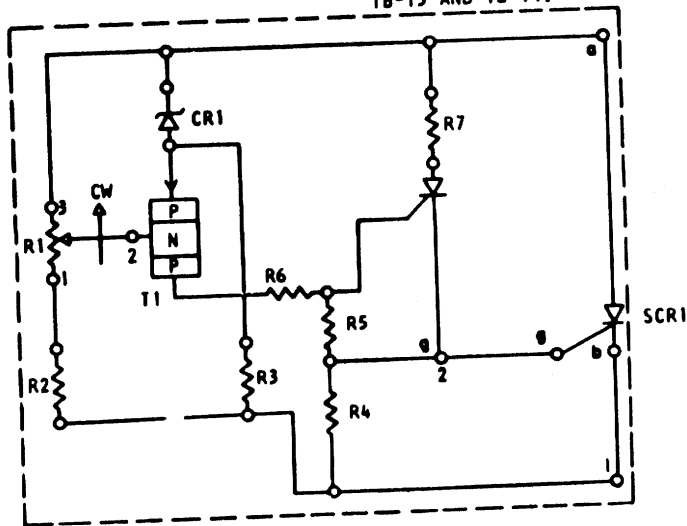
INPUT VOLTAGE	JUMPER	LINE CONN
115	1-3 2-5	2-3
208	1-4	2-3
230	1-5	2-3

NOTE XIV  
FOR 50 CPS  
PRIMARY TERM CONN.

INPUT VOLTAGE	JUMPER	LINE CONN
195	-	1-2
220	-	1-3
235	-	1-4

NOTES:

- XII UNIT RECEPTACLE "AM".
- XIII FOR REMOTE SENSING REMOVE JUMPERS INDICATED AND SENSE BETWEEN TB-10 AND TB-13
- XIV TRANSFORMER (T1) PART NO. 5261083 IS FOR 60 CPS WHILE PART NO. 4116411 IS FOR 50 CPS.
- XV TEMPERATURE SENSING THERMISTOR, PART NO. 483219 CONNECTED BETWEEN TERMINALS TB-13 AND TB-14.



12V 0V CARD - P/M 5253897

REG CARD ASM - P/N 375249

1131 CONSOLE PRINTER (PF1 & 2) SIGNAL CONNECTIONS

FROM LOGIC	CONNECTION	LINE TITLE	TO LOGIC	CONNECTION
XW211	A-C1A4B02	-SELECT T2	ZW101	PF1A
XW211	A-C1A4D02	-SELECT T1	ZW101	PF1B
XW211	A-C1A4B03	-SELECT R2A	ZW101	PF1C
XW211	A-C1A4D04	-SELECT R1	ZW101	PF1D
XW221	A-C1A4B04	-SELECT R5	ZW101	PF1E
XW221	A-C1A4D05	-SELECT R2	ZW101	PF1F
XW221	A-C1A4B05	-SELECT AUX	ZW101	PF1G
XW221	A-C1A4D06	-LINE FEED	ZW101	PF1H
XW211	A-C1A4B07	-TAB	ZW101	PF1J
XW211	A-C1A4D07	-CR-LF AND EOL	ZW101	PF1K
XW121	A-C1A4B08	-UP SHIFT	ZW101	PF1L
-	-	NO CONNECTION	-	PF1M
-	-	NO CONNECTION	-	PF1N
-	-	NO CONNECTION	-	PF1P
-	-	NO CONNECTION	-	PF1Q
-	-	NO CONNECTION	-	PF1R
XW121	A-C1A4D09	-DOWN SHIFT	ZW101	A-C1A4B09
ZW101	PF2A	+TWR END OF LINE	XW111	-
-	PF2B	NO CONNECTION	-	-
ZW101	PF2C	+12V E.O.L. INPUT	ZW101	PF2L (SEE ZW101)
-	PF2D	NO CONNECTION	-	-
ZW101	PF2E	-TWR CB RESPONSE	XW101	A-C1A4D10
ZW101	PF2F	CAR RET INLK	-	NOT USED
ZW101	PF2G	CKLFT INLK 2	-	NOT USED
XW211	A-C1A4B10	-SPACE	ZW101	PF2H
XW211	A-C1A4D11	-BACKSPACE	ZW101	PF2J
XW221	A-C1A4B12	-BLACK RIBBON SHIFT	ZW101	PF2K
ZW101	PF2L	-TWR END OF FORMS	XW121	A-C1A4D12
-	PF2M	NO CONNECTION	-	-
ZW101	PF2N	+TWR CKLFT INLK	XW121	A-C1A4B13
XW221	A-C1A4D13	-RED RIBBON SHIFT	ZW101	PF2P
-	NOT USED	DOUBLE LINE FEED	ZW101	PF2Q
-	NOT USED	SINGLE LINE FEED	ZW101	PF2R

1134 PAPER TAPE READER (PR3) SIGNAL CONNECTIONS

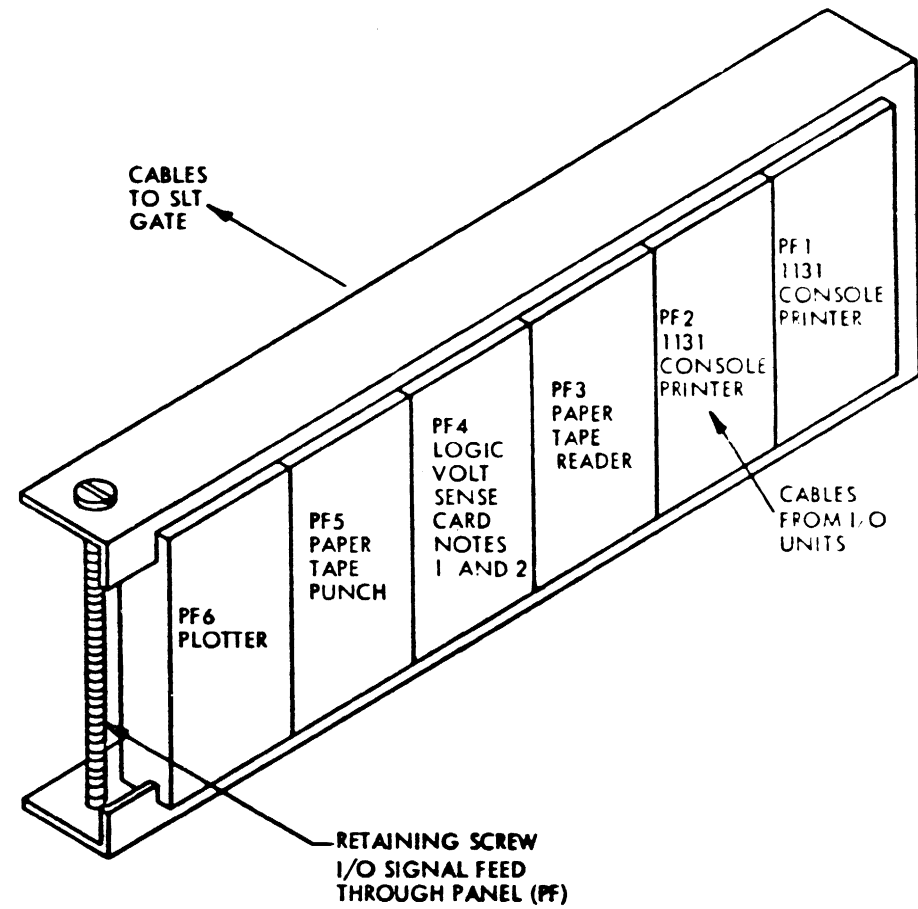
FROM LOGIC	CONNECTION	LINE TITLE	TO LOGIC	CONNECTION
XT331	A-B1A6D02	-PT READER CLUTCH DRIVE B	ZT101	PF3A
ZT101	PF3B	-PT READER READY	XT311	A-B1A6B03
ZT101	PF3C	-PT READ CONTACT 8TH CHNL	XT321	A-B1A6B12
-	NOT USED	REVERSE DRIVE A	ZT101	PF3D
-	NOT USED	REVERSE DRIVE B	ZT101	PF3E
XT331	A-B1A6D06	-PT READER CLUTCH DRIVE A	ZT101	PF3F
-	-	NO CONNECTION	-	PF3G
-	-	NO CONNECTION	-	PF3H
XT331	A-B1A6B02	-GATE PT CONTACTS COM	ZT101	PF3J
ZT101	PF3K	-PT READ CONTACT C	XT321	A-B1A6B10
ZT101	PF3L	-PT READ CONTACT 1	XT311	A-B1A6B04
ZT101	PF3M	-PT READ CONTACT 2	XT311	A-B1A6B05
ZT101	PF3N	-PT READ CONTACT 4	XT311	A-B1A6D07
ZT101	PF3P	-PT READ CONTACT 8	XT311	A-B1A6D09
ZT101	PF3Q	-PT READ CONTACT A	XT321	A-B1A6D13
ZT101	PF3R	-PT READ CONTACT B	XT321	A-B1A6D12

1055 PAPER TAPE PUNCH (PF5) SIGNAL CONNECTIONS

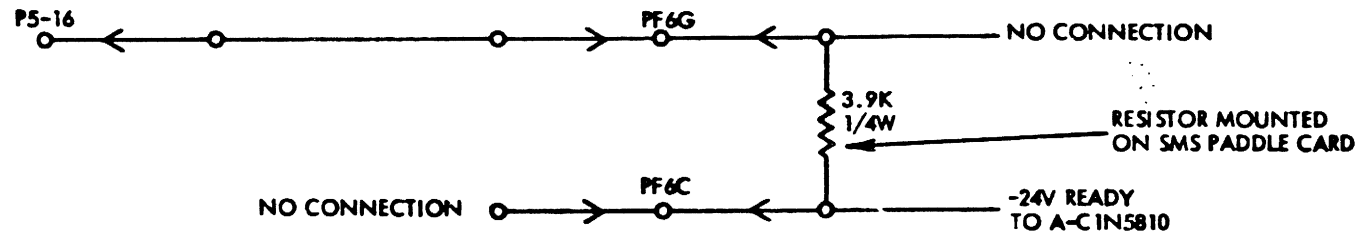
FROM LOGIC	CONNECTION	LINE TITLE	TO LOGIC	CONNECTION
ZT111	PF5A	BKSP PUNCH R & S COUNTER	-	NOT USED
-	PF5C	NO CONNECTION	ZT111	PF5B
-	PF5D	NO CONNECTION	-	-
-	PF5E	NO CONNECTION	-	-
XT201	A-B1N5D04	-DRIVE P.T. PUNCH CLUTCH	ZT111	PF5F
XT211	A-B1N5B08	-P.T. PUNCH 8TH CHAN DRIVE	ZT111	PF5G
ZT111	PF5H	-P.T. PUNCH READY	XT201	A-B1N5B03
ZT111	PF5J	GND 8TH CHAN	-	NOT USED
XT221	A-B1N5B09	-P.T. PUNCH C DRIVE	ZT111	PF5K
XT211	A-B1N5D06	-P.T. PUNCH 1 DRIVE	ZT111	PF5L
XT221	A-B1N5B10	-P.T. PUNCH 2 DRIVE	ZT111	PF5M
XT221	A-B1N5D10	-P.T. PUNCH 4 DRIVE	ZT111	PF5N
XT221	A-B1N5B13	-P.T. PUNCH 8 DRIVE	ZT111	PF5P
XT211	A-B1N5D07	-P.T. PUNCH A DRIVE	ZT111	PF5Q
XT211	A-B1N5B07	-P.T. PUNCH B DRIVE	ZT111	PF5R

1627 MOD I OR II PLOTTER (PF6) SIGNAL CONNECTIONS

FROM LOGIC	CONNECTION	LINE TITLE	CONNECTION	PLUG P5
XG111	A-C1N5B10	NO CONNECTION	PF6A	-
-	-	NO CONNECTION	PF6B	-
-	-	-24V READY	PF6C*	-
-	-	PF6A TO 6F NO CONNECTION	-	-
-	-	-24V	-	-
-	-	NO CONNECTION	PF6G*	16
-	-	NO CONNECTION	PF6H	N.C.
-	-	NO CONNECTION	PF6J	-
-	-	NO CONNECTION	PF6K	-
XG111	A-C1N5D05	-PEN DOWN DRIVE	PF6L	12
XG111	A-C1N5B04	-PEN UP DRIVE	PF6M	11
XG101	A-C1N5D04	-CARR LEFT DRIVE	PF6N	7
XG101	A-C1N5B03	-CARR RIGHT DRIVE	PF6P	8
XG101	A-C1N5D02	-DRUM DOWN DRIVE	PF6Q	6
XG101	A-C1N5B02	-DRUM UP DRIVE	PF6R	5



- NOTES:  
 1. ALL PF4 CONNECTIONS SHOWN ON YP008  
 2. ON MIDPACK MACHINES LOGIC VOLTAGE SENSE CARD IS LOCATED ON THE SIDE OF SEQ BOX ALL CONNECTIONS ARE ON YP111 P/N 2231332



\*READY CIRCUIT (1627)

DATE	EC NUMBER	DATE	EC NUMBER	I/O SIGNAL		
MAY 65	415480D	JAN 67	419610B	FEED THROUGH		
SEPT 65	415484A	MAR 67	415727G	DATE	P/N	2201309
SEPT 65	415435	MAY 67	420325		TYPE	1131
OCT 65	415483B			<b>IBM</b> ZA101		
MAR 66	415497					

Z  
A  
1  
0  
1



1442 POWER CONNECTIONS				
FROM 1131 LOGIC PAGE	CONN POSITION	LINE TITLE		TO 1442 LOGIC PAGE
		50 HZ	60 HZ	
YP141	PC1-1	DC COM	DC COM	YA100
YP141	PC1-2	+6V	+6V	YA100
YP141	PC1-3	+3V	+3V	YA100
YP141	PC1-4	-3V	-3V	YA100
YP141	PC1-6	A.C. GND	A.C. GND	YA100
-	PC1-9	SPARE	SPARE	-
YP131	PC1-17	SCR AC	SCR AC	YA100
YP131	PC1-18	SCR COM	SCR COM	YA100
YP141	PC1-19	SHIELD GND	SHIELD GND	-
YP101	PC1-21	FAN AC COM	FAN AC COM	YA100
YP101	PC1-22	220V AC COM	LINE COM	YA100
YP101	PC1-23	CONV AC FAN	CONV AC FAN	YA100
YP101	PC1-26	220V AC	115V AC	YA100
YP101	PC1-27	220V AC	LINE V	YA100
YP101	PC1-28	CONV COM	CONV COM	YA100

SMS POWER PANEL (PP) I/O UNIT CONNECTIONS			
VOLTAGE	POSITION	I/O UNIT	TO LOGIC PAGE
220 V AC (50HZ) A.C. COMMON	PP1-AB	CONSOLE PR	ZW101
115V AC (60HZ)	PP1-FG	CONSOLE PR	ZW101
AC GND	PP1-CD	CONSOLE PR	ZW101
+12V	PP1-KL	CONSOLE PR	ZW101
D.C. COMMON	PP1-MN	CONSOLE PR	ZW101
+48V	PP1-P	CONSOLE PR	NOT USED
	PP1-QR	CONSOLE PR	ZW101
NOT USED	PP2-AB	-----	-----
A.C. COMMON	PP2-FG	PLOTTER	CONN P5-17
115V A.C. *	PP2-CD	PLOTTER	CONN P5-18
A.C. GND	PP2-KL	PLOTTER	CONN P5-14
+12V	PP2-MN	PLOTTER	NOT USED
D.C. COMMON	PP2-P	PLOTTER	CONN P5-15
+48V	PP2-QR	PLOTTER	CONN P5-15
220 VAC (50HZ) A.C. COMMON	PP3-AB	DISK STORAGE	XA101
115 VAC (60HZ)	PP3-FG	DISK STORAGE	XA101
A.C. GND	PP3-CD	DISK STORAGE	XA101
+12V	PP3-KL	DISK STORAGE	XA101
D.C. COMMON	PP3-MN	NOT USED	SEE BELOW
+48V	PP3-P	NOT USED	FOR DC CONNECTIONS
	PP3-QR	NOT USED	NOT USED
220 VAC (50HZ) A.C. COMMON	PP4-AB	1134 P.T. RDR	ZT101
115 VAC (60HZ)	PP4-FG	1134 P.T. RDR	ZT101
A.C. GND	PP4-CD	1134 P.T. RDR	ZT101
D.C. COMMON	PP4-KL	1134 P.T. RDR	ZT101
+48V	PP4-MN	1134 P.T. RDR	ZT101
	PP4-P	1134 P.T. RDR	ZT101
	PP4-QR	1134 P.T. RDR	ZT101
220 VAC (50HZ) A.C. COMMON	PP5-AB	1055 P.T. PUN	ZT111
115 VAC (60HZ)	PP5-FG	1055 P.T. PUN	ZT111
A.C. GND	PP5-CD	1055 P.T. PUN	ZT111
D.C. COMMON	PP5-KL	1055 P.T. PUN	ZT111
+48V	PP5-MN	1055 P.T. PUN	ZT111
	PP5-P	1055 P.T. PUN	ZT111
	PP5-QR	1055 P.T. PUN	ZT111

1132 POWER CONNECTIONS				
FROM 1131 LOGIC PAGE	CONN POSITION	LINE TITLE		TO 1132 LOGIC PAGE
		50 CY	60 CY	
YP141	PC2-1	DC COM	DC COM	YA101
YP141	PC2-2	+6V	+6V	YA101
YP141	PC2-3	+3V	+3V	YA101
YP141	PC2-4	-3V	-3V	YA101
YP141	PC2-6	AC GND	AC GND	YA111
YP141	PC2-9	+12V	+12V	YA101
YP101	PC2-17	24V AC	24V AC	YA111
YP101	PC2-18	24V AC COM	24V AC COM	YA111
YP141	PC2-19	SHIELD GND	SHIELD GND	-
YP101	PC2-21	FAN AC COM	FAN AC COM	YA111
YP101	PC2-22	220V AC COM	LINE COM	YA111
YP101	PC2-23	CONV AC	CONV AC	YA111
YP101	PC2-26	FAN 220V AC	FAN 115V AC	YA111
YP101	PC2-27	220V AC	LINE V	YA111
YP101	PC2-28	CONV COM	CONV COM	YA111

DISK STORAGE DC VOLTAGE CONNECTIONS			
FROM CPU LOGIC	1131 CONN	VOLTAGE	TO FILE LOGIC
YP141	TB5-2	D.C. COMMON	XA101
YP141	TB5-10	-3V	XA101
YP141	TB6-1	+6V	XA101
YP141	TB6-4	+3V	XA101
YP141	TB6-12	+48V	XA101
YP141	TB5-2	+48V GND	XA101

DISK STORAGE CONTROL LINES		
FROM CPU LOGIC	SIGNAL NAME	TO FILE LOGIC
ZK111	-DISK UNLOCK LAMP +48V	XA101
ZK111	-FILE MOTOR LATCH ON	XA101
ZK111	48V GND	XA101
ZK111	-NOT HEAD LOAD SWITCH	XA101
ZK111	-START FILE MOTOR	XA101

\* NOTE: ON 50 HERTZ SYSTEMS THE PLOTTER USES 115 VAC 50 HZ

#50 HZ 115VAC TB2-7  
YP101

60 HZ 115VAC TB2-7  
YP101

AC GND TB4-10  
YP141

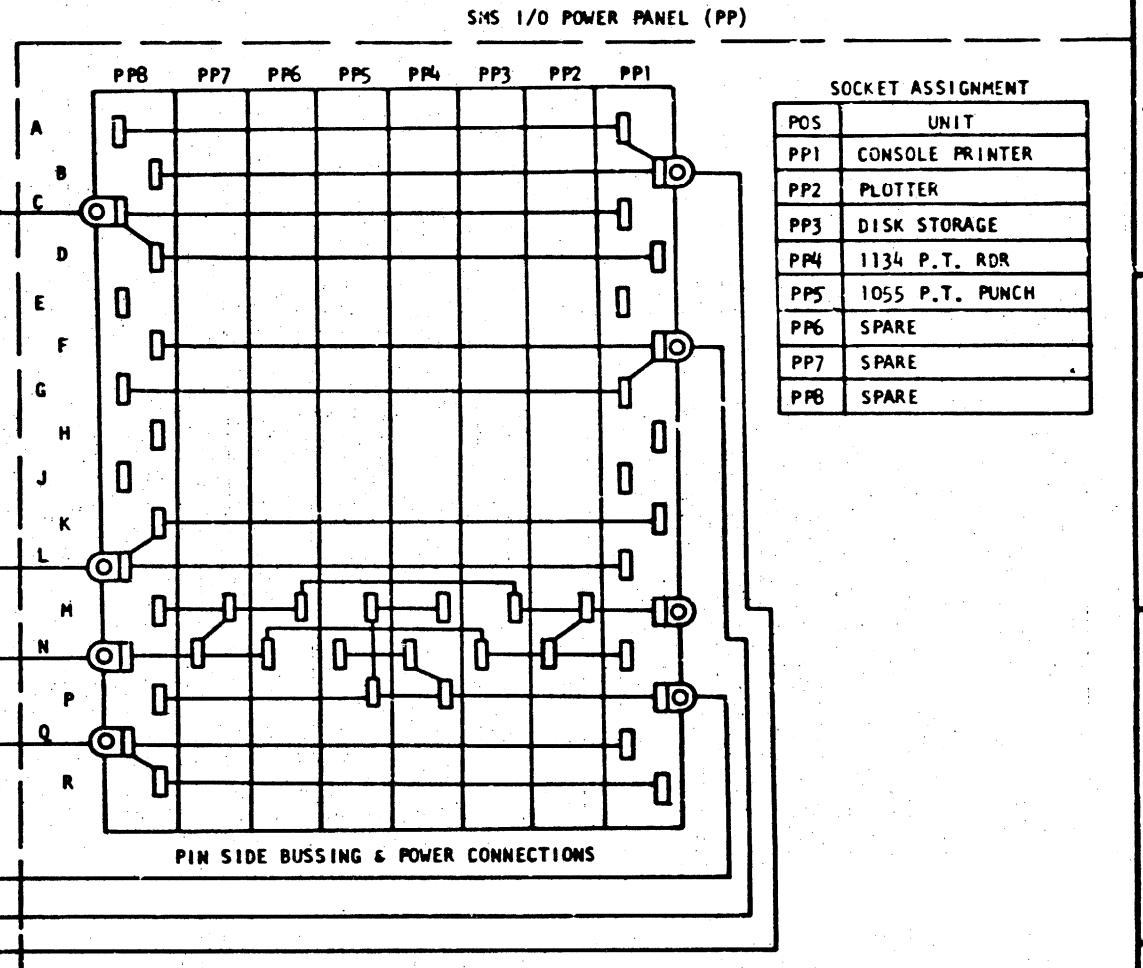
+12V TB6-8  
YP141

+48V TB6-11  
YP141

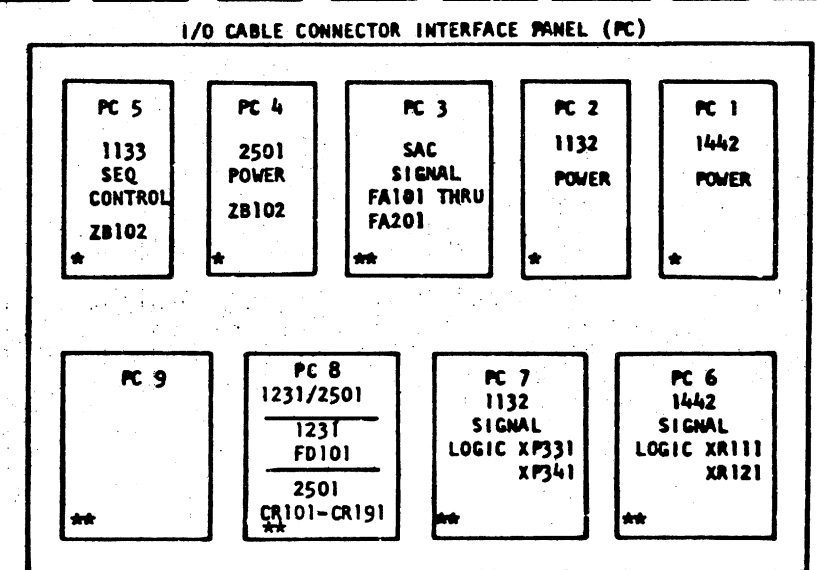
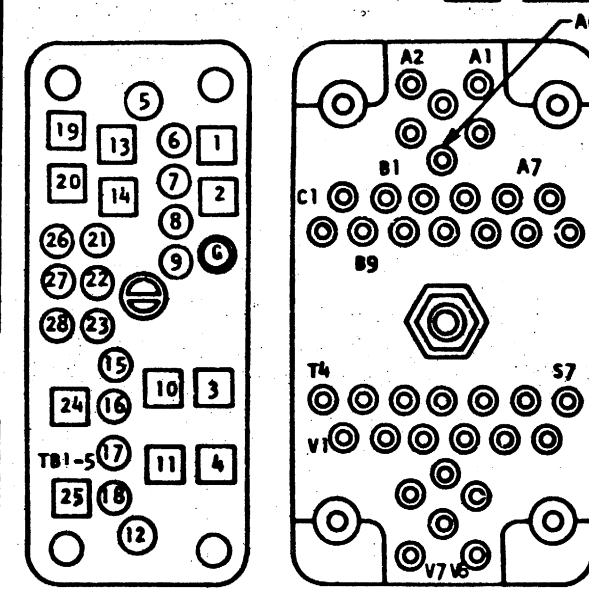
D.C. COMMON TB5-6  
YP141

115V AC COMMON TB2-10  
YP101

50 HZ 220 VAC TB2-7  
YP101



SOCKET ASSIGNMENT	
POS	UNIT
PP1	CONSOLE PRINTER
PP2	PLOTTER
PP3	DISK STORAGE
PP4	1134 P.T. RDR
PP5	1055 P.T. PUNCH
PP6	SPARE
PP7	SPARE
PP8	SPARE



VIEW FROM I/O CABLE PLUG SIDE					
DATE	EC NUMBER	DATE	EC NUMBER	I/O POWER DISTRIBUTION	
DEC 66	415727A			AC/DC 50/60 HZ (MIDPACK)	
MAR 67	415727G			DATE	P/N 2231589
JUL 67	420325				TYPE 1131
FEB 68	420364			IBM ZB101	

I/O CONNECTOR INTERFACE POWER CONNECTIONS

2501 POWER CONNECTIONS				
FROM 1131 LOGIC PAGE	CONN POSITION	LINE TITLE		TO 2501 LOGIC PAGE
		50 CY	60 CY	
YP141	PC4-2	+6	+6	CR831
YP141	PC4-1	GND	GND	CR831
YP141	PC4-3	+3	+3	CR831
YP141	PC4-4	-3	-3	CR831
YP101	PC4-22	208 COM	208 COM	CR805
YP101	PC4-27	208 AC	208 AC	CR805
YP101	PC4-28	115 COM	115 COM	CR805
YP101	PC4-33	115 AC	115 AC	CR805
YP141	PC4-6	AC GND	AC GND	CR805
YP131	PC4-18	7.25 COM	7.25 COM	CR805
YP131	PC4-17	7.25 AC	7.25 AC	CR805
YP141	PC4-19	SHIELD	SHIELD	

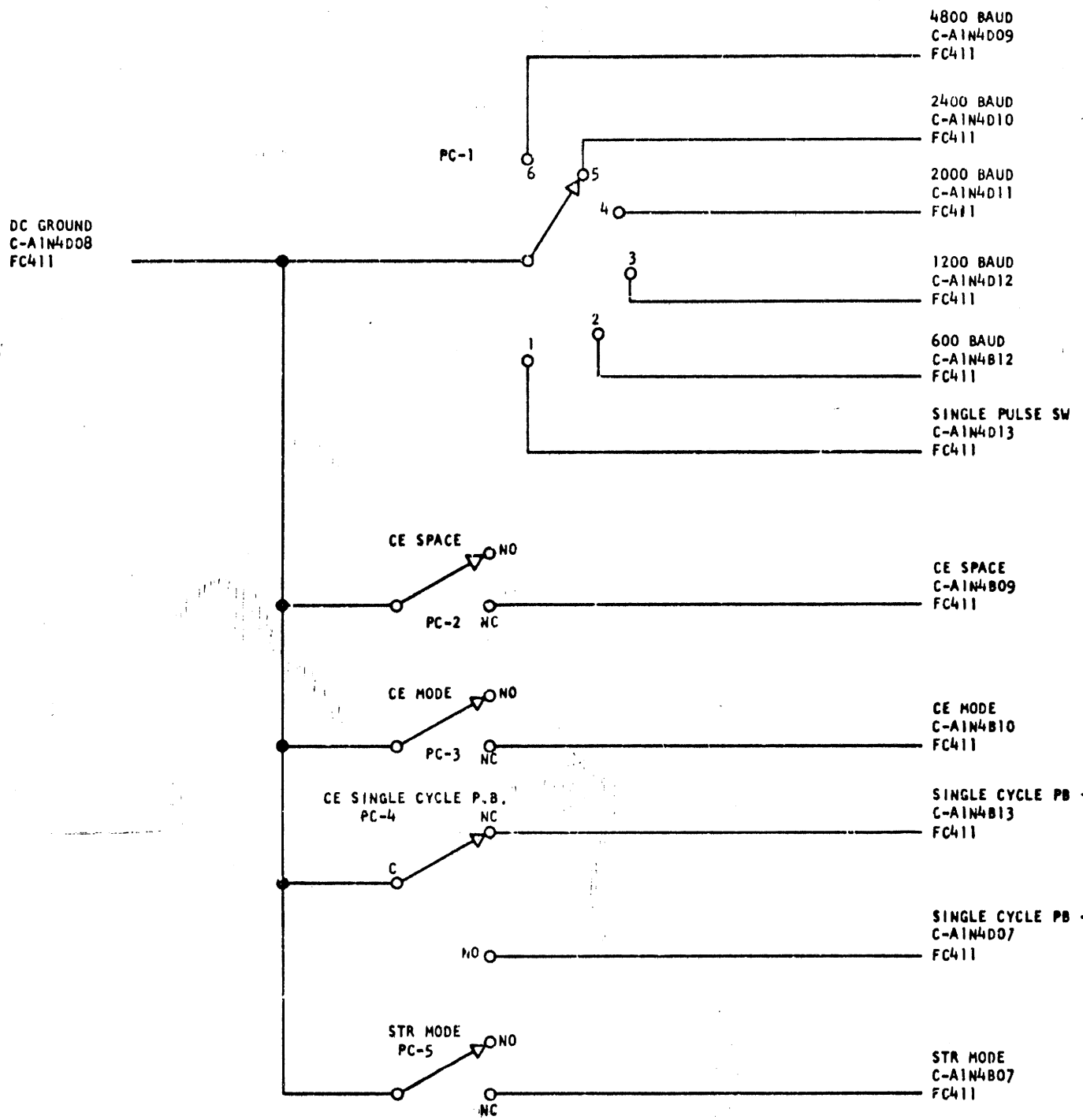
1231 EPO CONNECTIONS			
FROM 1131 LOGIC PAGE	CONNECTOR	LINE TITLE	TO 1231 LOGIC PAGE
YP101	PC8-L6	EMER. OFF	01.16.01.1
YP101	PC8-H7	EMER. OFF	01.16.01.1
YP141	PC8-V5	SIG. SHLD. GND	---

SAC SEQ CONNECTIONS (SEE NOTE 3)				
FROM 1131 LOGIC PAGE		CONN. POSITION	LINE TITLE	TO (NOTE 1)
MPS	MIDPACK			
YP101	YP101	PC5-17	CONV. AC	
YP101	YP101	PC5-18	CONV. AC	
YP141	YP141	PC5-19	SAC SHLD. GND	
YP101	YP111	PC5-21	EPO SW	
YP101	YP111	PC5-26	EPO SW	
YP101	YP111	PC5-22	SAC SEQ. 24 VAC	
YP101	YP111	PC5-27	SAC SEQ. 24 VAC COM	
YP101	YP111	PC5-23*	SAC EPO	
YP101	YP111	PC5-28*	SAC EPO	

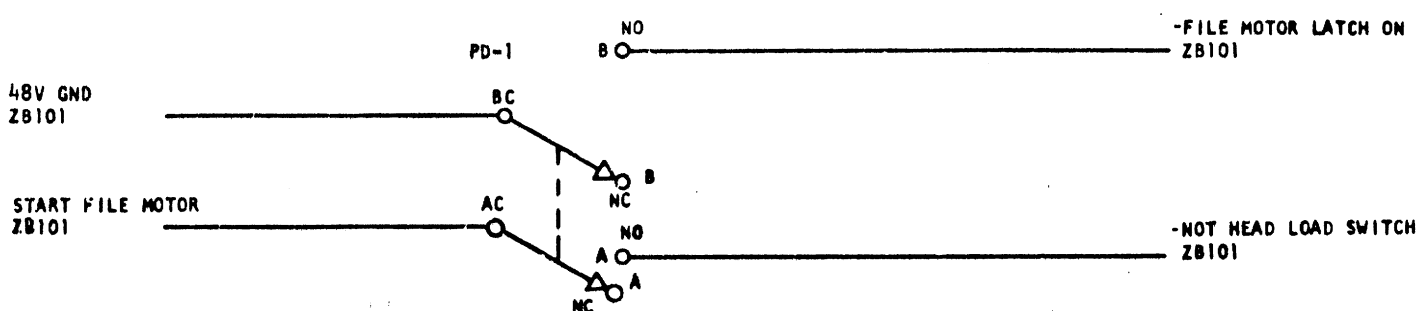
- NOTES:
1. FILL IN PER SAC USER ON SYSTEM (IF 1133 IS USER REF YG001 CCB)
  2. JUMPER PC5-23 TO PC5-28 IF USER CABLE IS NOT IN PC5.
  3. PC5 MAY NOT BE ON ALL SYSTEM WITH SAC ATTACHMENT INSTALLED.

DATE	EC NUMBER	DATE	EC NUMBER	I/O POWER DISTRIBUTION	
APR 66	419610A			AC/DC 50/60 HERTZ	
MAY 67	420319			DATE	P/M 2231292
JUN 67	420325			TYPE	1131
FEB 68	420364			<b>IBM</b> ZB102	

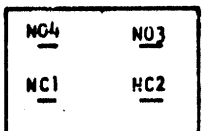
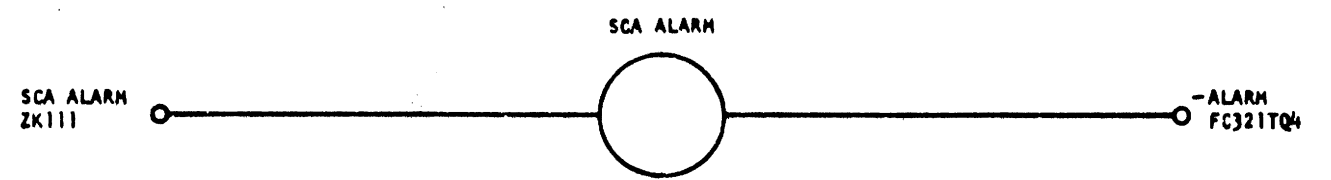
SCA CE SWITCHES



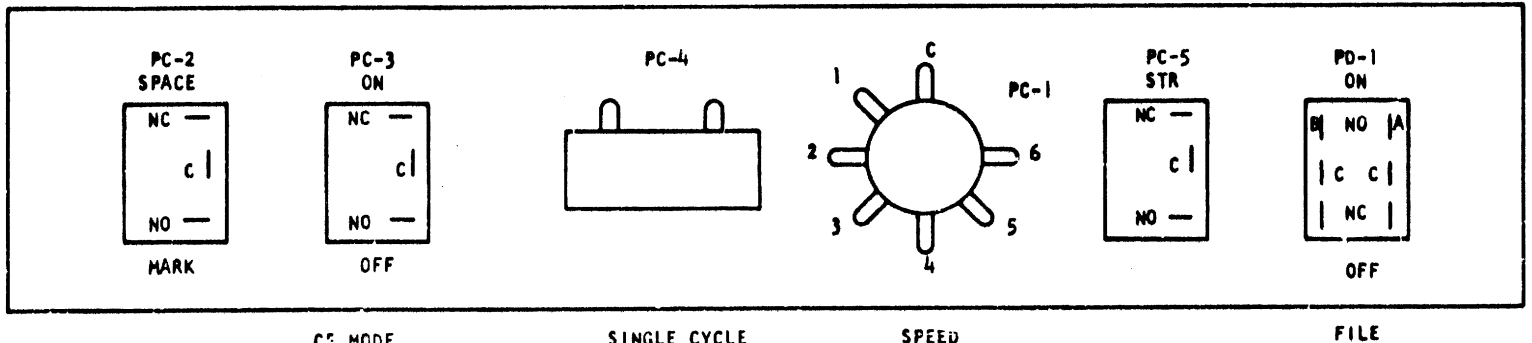
FILE MOTOR ON/OFF SWITCH



CAT/FILE SWITCH PANEL (PC/PD) LOGIC



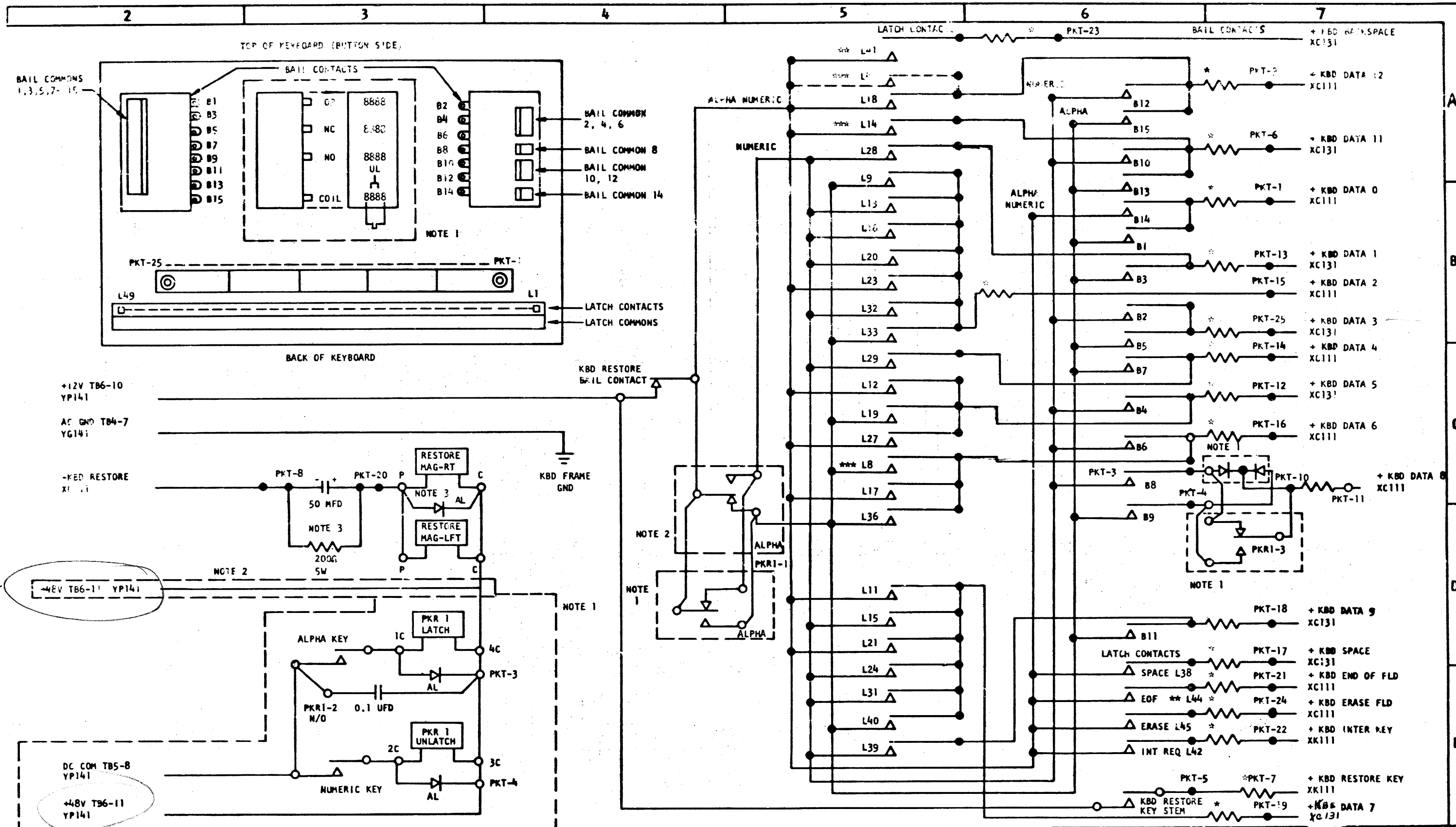
"A" ↓ DETAIL ↓ "A"



SCA/FILE SWITCH PANEL (PC/PD) BACKVIEW

SCA/FILE SWITCH PANEL			
DATE	EC NUMBER	DATE	P/M
SEP 66	419610A		2231300
			TYPE
			ZC101

7  
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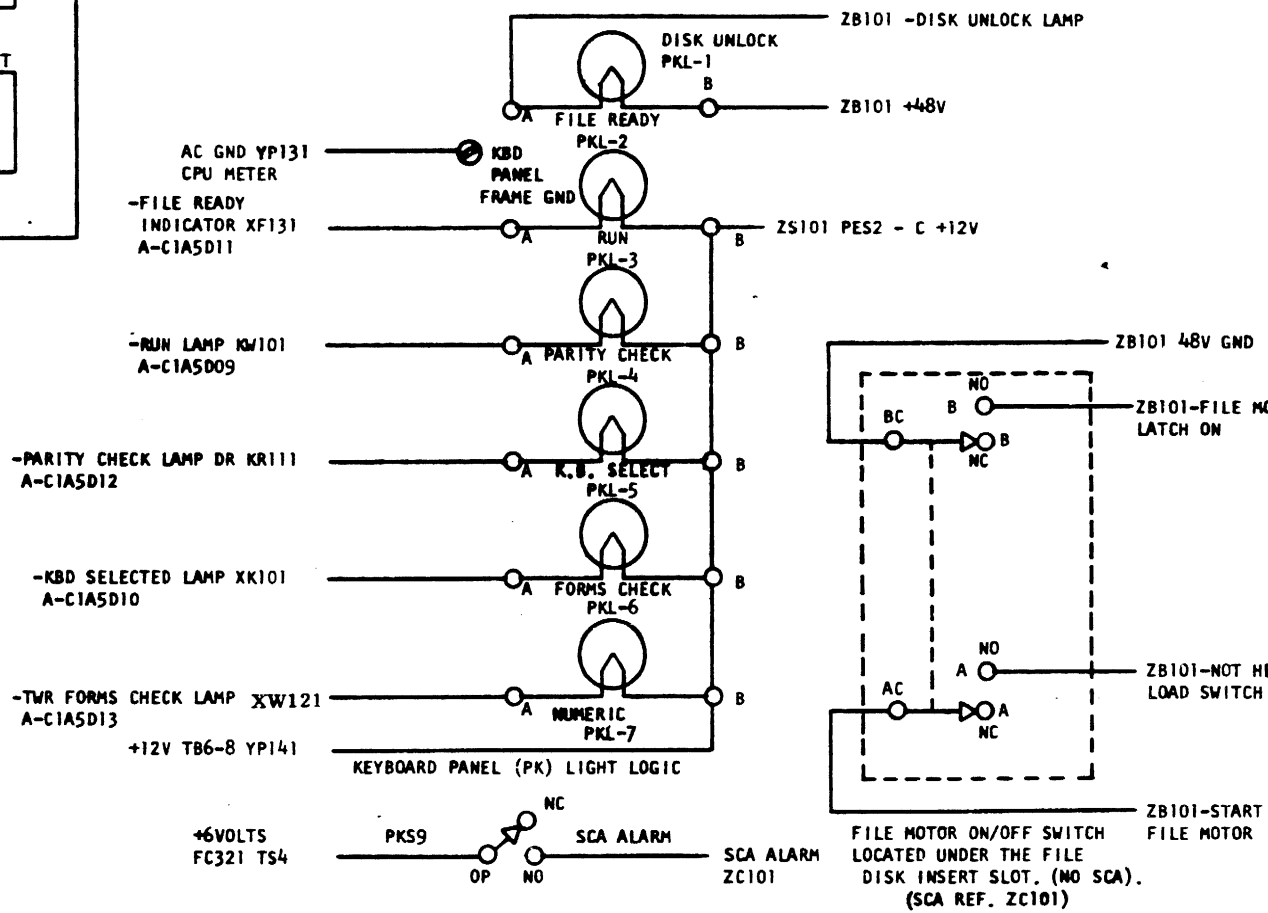
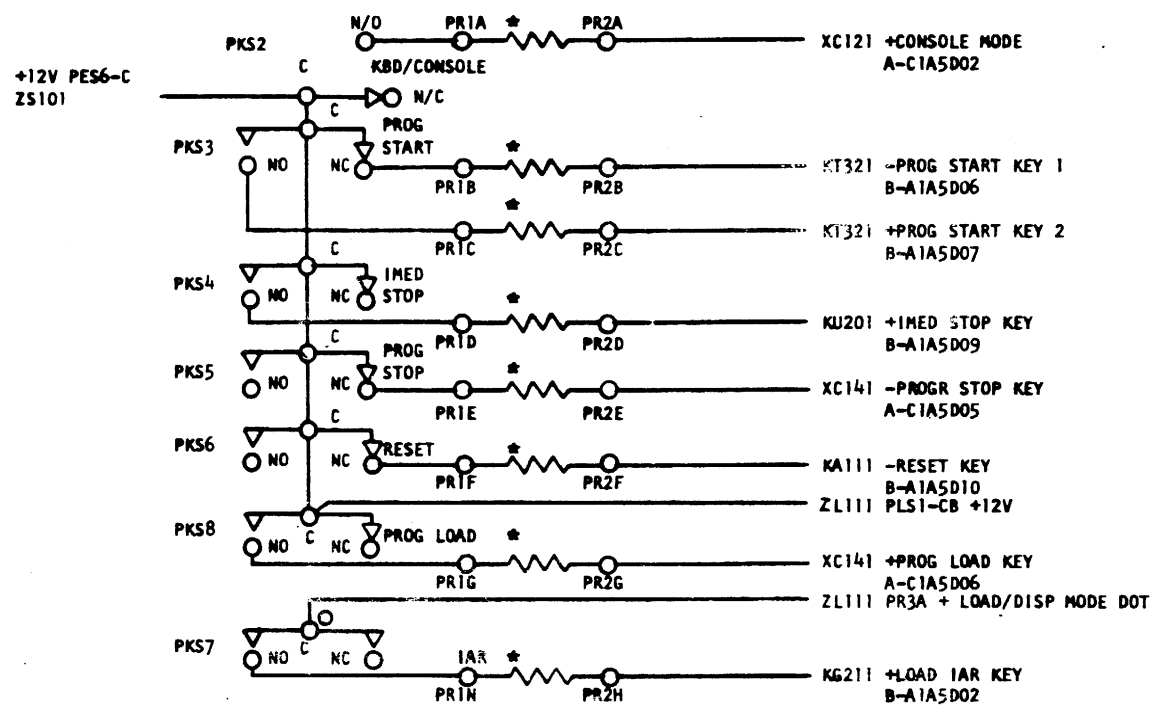
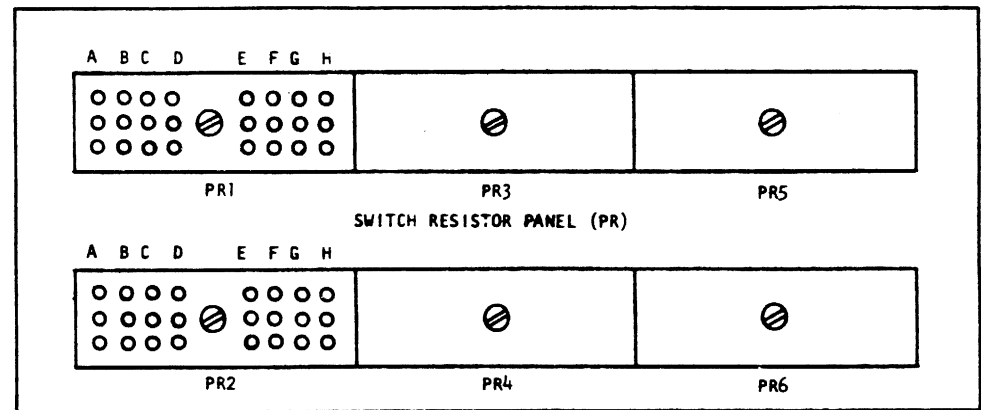
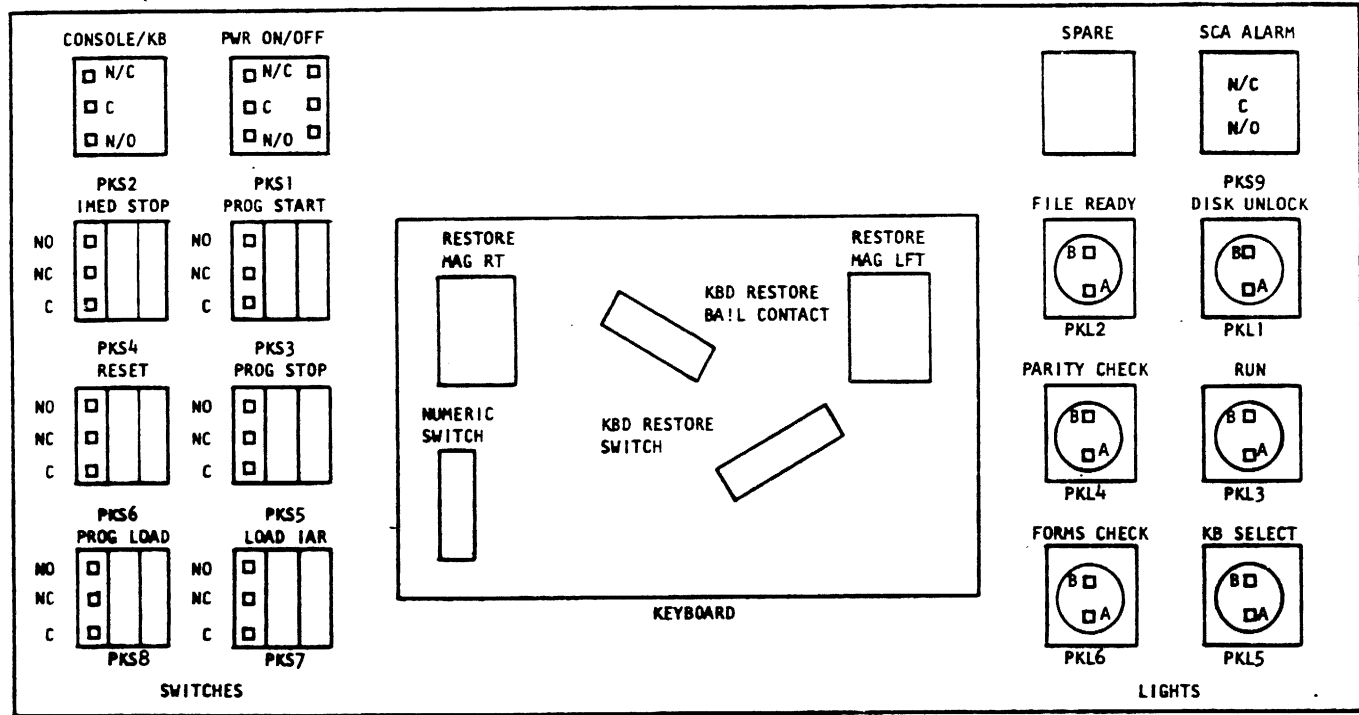


NOTES:  
 \* ALL RESISTORS 470Ω 1/4W UNLESS OTHERWISE NOTED  
 \*\* ON EARLY PRODUCTION KEYBOARDS BACKSPACE AND ERASE FIELD SIGNALS ARE CONNECTED TO L43 AND L41 RESPECTIVELY  
 \*\*\* ON FRENCH/BELGIAN KEYBOARDS ONLY: L4 IS CONNECTED AS SHOWN AND LB IS REPLACED WITH L7. ON GERMAN, NORW/DANNISH, AND SWEDISH/FINNISH KEYBOARDS ONLY: L14 IS NOT CONNECTED  
 1. CIRCUIT CONFIGURATION ON ALL MACHINES WITH ALPHA & NUMERIC LENSES.  
 2. CIRCUIT CONFIGURATION ON ALL MACHINES WITHOUT ALPHA & NUMERIC LENSES.

NOTES:  
 3. KEYBOARDS WITH RC NETWORK BETWEEN PKT-8 & PKT-20 WILL NOT HAVE DIODE ACROSS RESTORE MAGNET.

RED

DATE	EC NUMBER	DATE	EC NUMBER	KEYBOARD LOGIC
MAY 55	4154800	APR 67	415734A	
AUG 65	415480E	FEB 65	420364	DATE APR 67 F/N 2201300
JAN 66	415439			TYPE 151
APR 66	415709G			IBM ZK101
SEP 66	415734			



KEYBOARD PANEL (PK) PUSH BUTTON SWITCH LOGIC \*

\* NOTE: ALL RESISTORS 470Ω 1/4W

DATE	EC NUMBER	DATE	EC NUMBER	MIDPACK KEYBOARD SW	
	415727A			E LITE PANEL	
APR 67	415734A			DATE	JUL 66 P/N 2231336
13DEC68	571003				TYPE 1131
				<b>IBM</b>	<b>ZK111</b>

A

B

C

D

E

Z K 1 1 1

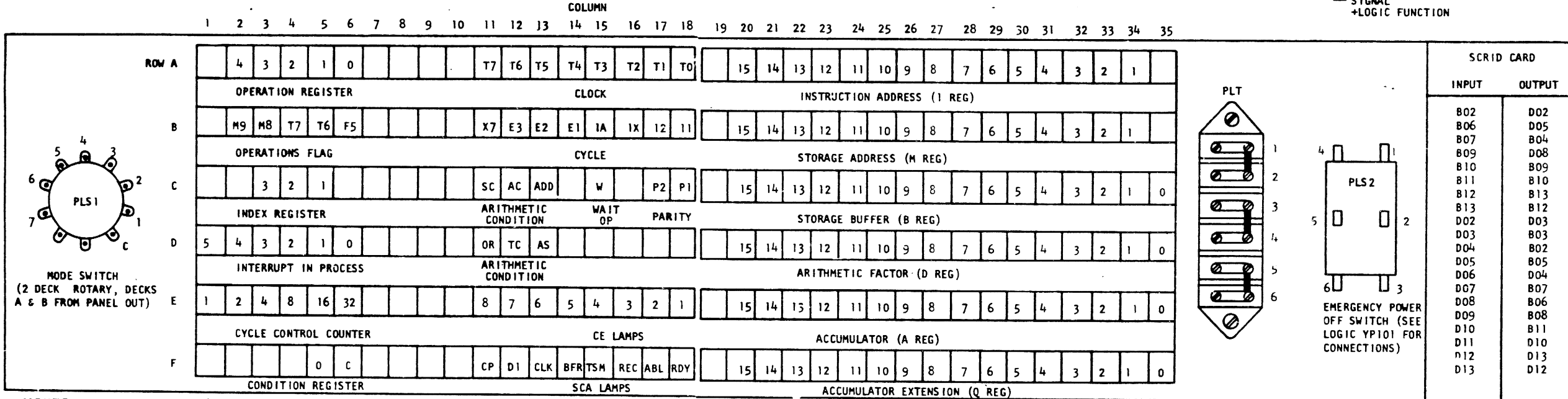
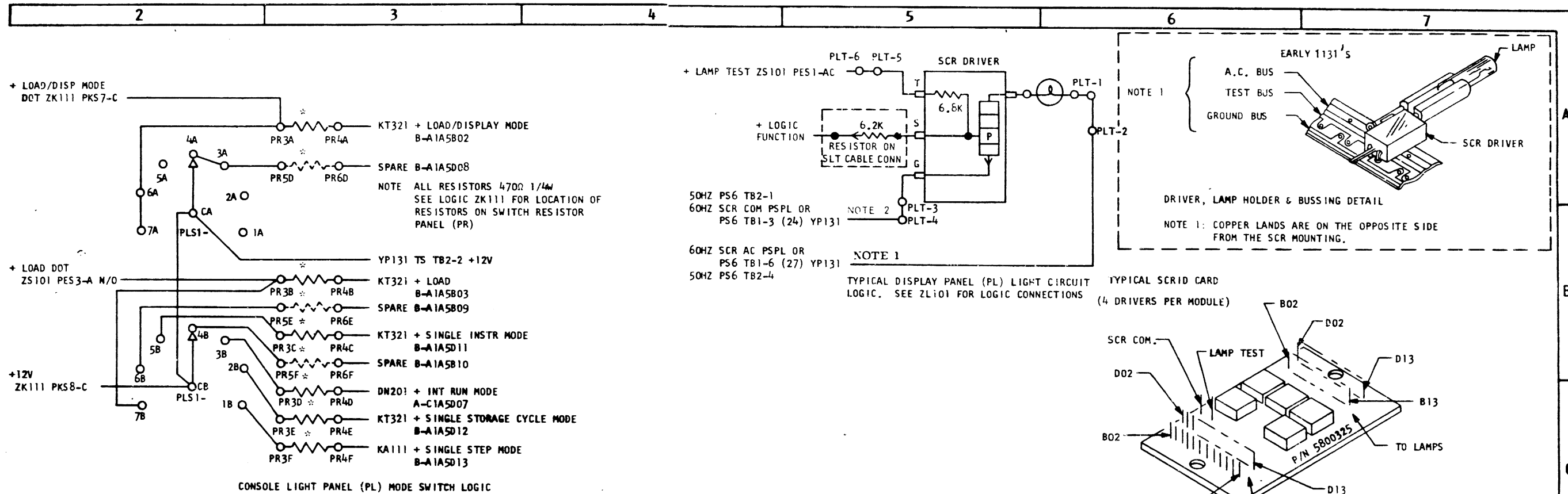
2					3					4					5					6					7				
LIGHT POSITION	LINE TITLE	FROM LOGIC	GATE AND POSITION	NOTE 1	LIGHT POSITION	LINE TITLE	FROM LOGIC	GATE AND POSITION	NOTE 1	LIGHT POSITION	LINE TITLE	FROM LOGIC	GATE AND POSITION	NOTE 1	LIGHT POSITION	LINE TITLE	FROM LOGIC	GATE AND POSITION	NOTE 1	LIGHT POSITION	LINE TITLE	FROM LOGIC	GATE AND POSITION	NOTE 1	LIGHT POSITION	LINE TITLE	FROM LOGIC	GATE AND POSITION	NOTE 1
PLA02	+ OP BIT 4	RN101	B-A1A2B07	1-007	PLB20	+ STORAGE ADDR BIT 15	MB101	B-B1M2D10	4-D10	PLC35	+ B REG BIT 0	RB101	B-B1M3B02	7-B02	PLE22	+ A REG BIT 13	RA251	B-B1N3D12	9-D12										
PLA03	+ OP BIT 3	RN101	B-A1A2B05	1-006	PLB21	+ STORAGE ADDR BIT 14	RB261	B-B1M2B09	4-B10	PLD01	+ INT LEVEL 5	KM321	B-A1A4D11	2-D11	PLE23	+ A REG BIT 12	RA241	B-B1N3B12	9-B12										
PLA04	+ OP BIT 2	RN101	B-A1A2B04	1-005	PLB22	+ STORAGE ADDR BIT 13	RB251	B-B1M2D09	4-D09	PLD02	+ INT LEVEL 4	KM321	B-A1A4B10	2-B11	PLE24	+ A REG BIT 11	RA231	B-B1M3D13	7-D13										
PLA05	+ OP BIT 1	RN101	B-A1A2B03	1-003	PLB23	+ STORAGE ADDR BIT 12	RB241	B-B1M2B08	4-B09	PLD03	+ INT LEVEL 3	KM311	B-A1A4D10	2-D10	PLE 25	+ A REG BIT 10	RA221	B-B1M3B13	7-B13										
PLA06	+ OP BIT 0	RN101	B-A1A2B02	1-802	PLB24	+ STORAGE ADDR BIT 11	RB231	B-B1M2D07	4-D08	PLD04	+ INT LEVEL 2	KM311	B-A1A4B09	2-B10	PLE26	+ A REG BIT 9	RA211	B-B1M3D12	7-D12										
PLA11	+ T7	KC111	B-A1A3D12	3-D12	PLB25	+ STORAGE ADDR BIT 10	RB221	B-B1M2B07	4-D07	PLD05	+ INT LEVEL 1	KM301	B-A1A4D09	2-D09	PLE27	+ A REG BIT 8	RA201	B-B1M3B12	7-B12										
PLA12	+ T6	KC111	B-A1A3B12	3-B12	PLB26	+ STORAGE ADDR BIT 9	RB211	B-B1M2D06	4-B07	PLD06	+ INT LEVEL 0	KM301	B-A1A4B08	2-B09	PLE28	+ A REG BIT 7	RA171	B-B1N2D12	6-D12										
PLA13	+ T5	KC111	B-A1A3D11	3-D11	PLB27	+ STORAGE ADDR BIT 8	RB201	B-B1M2B05	4-B06	PLD11	+ ZERO RMDR TR	KT131	B-A1A4D05	2-B06	PLE29	+ A REG BIT 6	RA161	B-B1N2B12	6-B12										
PLA14	+ T4	KC111	B-A1A3B10	3-B11	PLB28	+ STORAGE ADDR BIT 7	RB171	B-B1M2D05	4-B06	PLD12	+ TEMP CARRY TR	KS101	B-A1A4D04	2-D04	PLE30	+ A REG BIT 5	RA151	B-B1N2D11	6-D11										
PLA15	+ T3	KC101	B-A1A3D10	3-D10	PLB29	+ STORAGE ADDR BIT 6	RB161	B-B1M2B04	4-D05	PLD13	+ ARITH SIGN TR	KT111	B-A1A4D02	2-D02	PLE31	+ A REG BIT 4	RA141	B-B1N2B10	6-B11										
PLA16	+ T2	KC101	B-A1A3B09	3-B10	PLB30	+ STORAGE ADDR BIT 5	RB151	B-B1M2D04	4-D04	PLD20	+ D REG BIT 15	RD171	B-B1N4D11	8-D11	PLE32	+ A REG BIT 3	RA131	B-B1M2D12	4-D12										
PLA17	+ T1	KC101	B-A1A3D09	3-D09	PLB31	+ STORAGE ADDR BIT 4	RB141	B-B1M2B03	4-D03	PLD21	+ D REG BIT 14	RD171	B-B1N4B10	8-B11	PLE33	+ A REG BIT 2	RA121	B-B1M2B12	4-B12										
PLA18	+ T0	KC101	B-A1A3B08	3-B09	PLB32	+ STORAGE ADDR BIT 3	RB131	B-B1M2D02	4-D02	PLD22	+ D REG BIT 13	RD161	B-B1N4D10	8-D10	PLE34	+ A REG BIT 1	RA111	B-B1M2D11	4-D11										
PLA20	+ INSTR ADDR BIT 15	RB271	B-B1N2D10	6-D10	PLB33	+ STORAGE ADDR BIT 2	RB121	B-B1M2B02	4-B02	PLD23	+ D REG BIT 12	RD161	B-B1N4B09	8-B10	PLE35	+ A REG BIT 0	RA101	B-B1M2B10	4-B11										
PLA21	+ INSTR ADDR BIT 14	RB261	B-B1N2B09	6-B10	PLB34	+ STORAGE ADDR BIT 1	RB111	B-B1N4B13	8-B13	PLD24	+ D REG BIT 11	RD151	B-B1N4D09	8-D09	PLF05	+ OVERFLOW TR	KS111	B-A1A4D06	2-B07										
PLA22	+ INSTR ADDR BIT 13	RB251	B-B1N2D09	6-D09	PLC03	+ INDEX ADDR 3	KU201	B-A1A2D13	1-D13	PLD25	+ D REG BIT 10	RD151	B-B1N4B08	8-B09	PLF06	+ CARRY TR	KS101	B-A1A4B05	2-D06										
PLA23	+ INSTR ADDR BIT 12	RB241	B-B1N2B08	6-B09	PLC04	+ INDEX ADDR 2	KU201	B-A1A2B13	1-B13	PLD26	+ D REG BIT 9	RD141	B-B1N4D07	8-D08	PLF11	CP	FC371	C-A1N3B05	5-D06										
PLA24	+ INSTR ADDR BIT 11	RB231	B-B1N2D07	6-D08	PLC05	+ INDEX ADDR 1	KU201	B-A1A2B12	1-B12	PLD27	+ D REG BIT 8	RD141	B-B1N4B07	8-D07	PLF12	D1	FC411	C-A1N3D05	5-B06										
PLA25	+ INSTR ADDR BIT 10	RB221	B-B1N2B07	6-D07	PLC11	+ SHIFT CTRL TR	KT121	B-A1A4B04	2-D05	PLD28	+ D REG BIT 7	RD131	B-B1N4D06	8-B07	PLF13	CLK	FC121	C-A1N3D02	5-D02										
PLA26	+ INSTR ADDR BIT 9	RB211	B-B1N2D06	6-B07	PLC12	+ ARITH CTRL TR	KT121	B-A1A4B03	2-D03	PLD29	+ D REG BIT 6	RD131	B0B1N4B05	8-D06	PLF14	BFR	FC741	C-A1N3D06	5-B07										
PLA27	+ INSTR ADDR BIT 8	RB201	B-B1N2B05	6-D06	PLC13	+ ADD TR	KT111	B-A1A4B02	2-B02	PLD30	+ D REG BIT 5	RD121	B-B1N4D05	8-B06	PLF15	TSM	FC311	C-A1N3D04	5-D04										
PLA28	+ INSTR ADDR BIT 7	RB171	B-B1N2D05	6-B06	PLC15	+ WAIT OP	KU211	B-A1A2D12	1-D12	PLD31	+ D REG BIT 4	RD121	B-B1N4B04	8-D05	PLF16	REC	FC311	C-A1N3B03	5-D07										
PLA29	+ INSTR ADDR BIT 6	RB161	B-B1N2B04	6-D05	PLC17	+ CK BIT P2	KR111	B-A1A3D07	3-D08	PLD32	+ D REG BIT 3	RD111	B-B1N4D04	8-D04	PLF17	ABL	FC341	C-A1N3B02	5-B02										
PLA30	+ INSTR ADDR BIT 5	RB151	B-B1N2D04	6-D04	PLC18	+ CK BIT P1	KR111	B-A1A3B07	3-D07	PLD33	+ D REG BIT 2	RD111	B-B1N4B03	8-D03	PLF18	RDY	FC361	C-A1N3B04	5-D05										
PLA31	+ INSTR ADDR BIT 4	RB141	B-B1N2B03	6-D03	PLC20	+ B REG BIT 15	RB271	B-B1M3D11	7-D11	PLD34	+ D REG BIT 1	RD101	B-B1N4D02	8-D02	PLF20	+ Q REG BIT 15	RQ171	B-B1N3D11	9-D11										
PLA32	+ INSTR ADDR BIT 3	RB131	B-B1N2D02	6-D02	PLC21	+ B REG BIT 14	RB261	B-B1M3B10	7-B11	PLD35	+ D REG BIT 0	RD101	B-B1N4B02	8-B02	PLF21	+ Q REG BIT 14	RQ171	B-B1N3B10	9-B11										
PLA33	+ INSTR ADDR BIT 2	RB121	B-B1N2B02	6-B02	PLC22	+ B REG BIT 13	RB251	B-B1M3D10	7-D10	PLE01	+ CCC 1	RS101	B-A1A2B08	1-B09	PLF22	+ Q REG BIT 13	RQ161	B-B1N3D10	9-D10										
PLA34	+ INSTR ADDR BIT 1	RB111	B-B1N4D13	8-D13	PLC23	+ B REG BIT 12	RB241	B-B1M3B09	7-B10	PLE02	+ CCC 2	RS101	B-A1A2B09	1-B10	PLF23	+ Q REG BIT 12	RQ161	B-B1N3B09	9-B10										
PLB02	+ MOD 9	RN111	B-A1A2D07	1-D08	PLC24	+ B REG BIT 11	RB231	B-B1M3D09	7-D09	PLE03	+ CCC 4	RS111	B-A1A2B10	1-B11	PLF24	+ Q REG BIT 11	RQ151	B-B1N3D09	9-D09										
PLB03	+ MOD 8	RN111	B-A1A2D06	1-B07	PLC25	+ B REG BIT 10	RB221	B-B1M3B08	7-B09	PLE04	+ CCC 8	RS111	B-A1A2D09	1-D09	PLF25	+ Q REG BIT 10	RQ151	B-B1N3B08	9-B09										
PLB04	+ TAG 7	RN101	B-A1A2D05	1-B06	PLC26	+ B REG BIT 9	RB211	B-B1M3D07	7-D08	PLE05	+ CCC 16	RS121	B-A1A2D10	1-D10	PLF26	+ Q REG BIT 9	RQ141	B-B1N3D07	9-D08										
PLB05	+ TAG 6	RN101	B-A1A2D04	1-D04	PLC27	+ B REG BIT 8	RB201	B-B1M3B07	7-D07	PLE06	+ CCC 32	RS121	B-A1A2D11	1-D11	PLF27	+ Q REG BIT 8	RQ141	B-B1N3B07	9-D07										
PLB06	+ FORMAT 5	RN101	B-A1A2D02	1-D02	PLC28	+ B REG BIT 7	RB171	B-B1M3D06	7-B07	PLE11	+ CE LAMP 8		B-B1M2D13	4-D13	PLF28	+ Q REG BIT 7	RQ131	B-B1N3D06	9-B07										
PLB11	+ X7	KM111	B-A1A4D07	2-D08	PLC29	+ B REG BIT 6	RB161	B-B1M3B05	7-D06	PLE12	+ CE LAMP 7		B-B1M2B13	4-B13	PLF29	+ Q REG BIT 6	RQ131	B-B1N3B05	9-D06										
PLB12	+ E3 CYCLE	KD111	B-A1A3D05	3-B06	PLC30	+ B REG BIT 5	RB151	B-B1M3D05	7-B06	PLE13	+ CE LAMP 6		B-A1A4D13	2-D13	PLF30	+ Q REG BIT 5	RQ121	B-B1N3D05	9-B06										
PLB13	+ E2 CYCLE	KD111	B-A1A3D04	3-D04	PLC31	+ B REG BIT 4	RB141	B-B1M3B04	7-D05	PLE14	+ CE LAMP 5		B-A1A4B13	2-B13	PLF31	+ Q REG BIT 4	RQ121	B-B1N3B04	9-D05										
PLB14	+ E1 CYCLE	KD111	B-A1A3D02	3-D02	PLC32	+ B REG BIT 3	RB131	B-B1M3D04	7-D04	PLE15	+ CE LAMP 4		B-A1A4D12	2-D12	PLF32	+ Q REG BIT 3	RQ111	B-B1N3D04	9-D04										
PLB15	+ 1A CYCLE	KD111	B-A1A3B04	3-D05	PLC33	+ B REG BIT 2	RB121	B-B1M3B03	7-D03	PLE16	+ CE LAMP 3		B-A1A4B12	2-B12	PLF33	+ Q REG BIT 2	RQ111	B-B1N3B03	9-D03										
PLB16	+ 1X CYCLE	KD101	B-A1A3B05	3-D06	PLC34	+ B REG BIT 1	RB111	B-B1M3D02	7-D02	PLE17	+ CE LAMP 2		B-A1A3D13	3-D13	PLF34	+ Q REG BIT 1	RQ101	B-B1N3D02	9-D02										
PLB17	+ 12 CYCLE	KD101	B-A1A3B03	3-D03						PLE18	+ CE LAMP 1		B-A1A3B13	3-B13	PLF35	+ Q REG BIT 0	RQ101	B-B1N3B02	9-B02										
PLB18	+ 11 CYCLE	KD101	B-A1A3B02	3-B02						PLE20	+ A REG BIT 15	RA271	B-B1N3D13	9-D13	-	SPARE	-	B-A1A4B07											
										PLE21	+ A REG BIT 14	RA261	B-B1N3B13	9-B13	-	SPARE	-	B-A1A3D06											
															-	SPARE	-	B-B1N4B13											
															-	SPARE	-	B-B1N4D13											

NOTES:

1. 1ST DIGIT IS SCRID CARD NUMBER FOLLOWED BY INPUT PIN DESIGNATION REF. ZL111 FOR SCRID CARD SCHEMATIC AND INPUT OUTPUT PIN CHART.

DATE	EC NUMBER	DATE	EC NUMBER	LIGHT PANEL COLLECTOR LISTING			
SEP 66	419610A						
JUN 67	420325			DATE	MAY 68	P/N	2231565
FEB 68	420364					TYPE	1131
2 JUL 68	420442			<b>IBM</b>		ZL101	

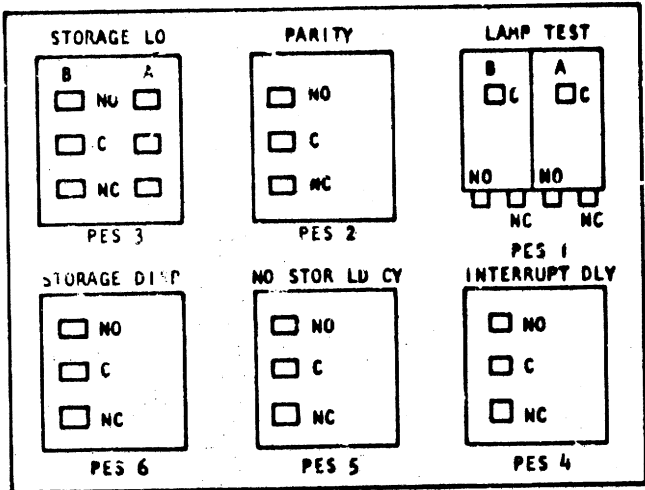
RED



- NOTES:
- THIS WIRE CONNECTED TO PS6 TB1-6 (115V) OR PS6 TB1-27, (208/230V).
  - THIS WIRE CONNECTED TO PS6 TB1-3 (115V) PS6 TB1-24 (208/230V).

FIGURE 3 - BACK VIEW OF LIGHT PANEL (PL)

DATE	EC NUMBER	DATE	EC NUMBER	LIGHT PANEL		
MAY 66	415480D	FEB 68	420364			
AUG 65	415480E	2 JUL 68	420442	DATE	MAY 68	P/N 2201304
OCT 65	415483B	11 DEC 68	571003			TYPE 1131
NOV 66	415727A			<b>IBM</b>		ZL111
MAR 67	415727G					



CE TEST PANEL (PE) BACK VIEW

BIT SWITCH & LIGHT LOG C		DATE		P/M		TYPE		ZS101	
EC NUMBER	4157276	DATE	DEC 64	P/M	2201305	TYPE	1131	IBM	
DATE	MAY 65	EC NUMBER	4154809	DATE	FEB 68	P/M	420364		
	AUG 65		415480E						
	OCT 65		415483B						
	AUG 66		419616						
	NOV 66		415727A						

208/230V 60HZ PS6 (PSPL) TB1-27  
 115V 60HZ PS6 (PSPL) TB1-6  
 50HZ PS6 (PSPL) TB2-4

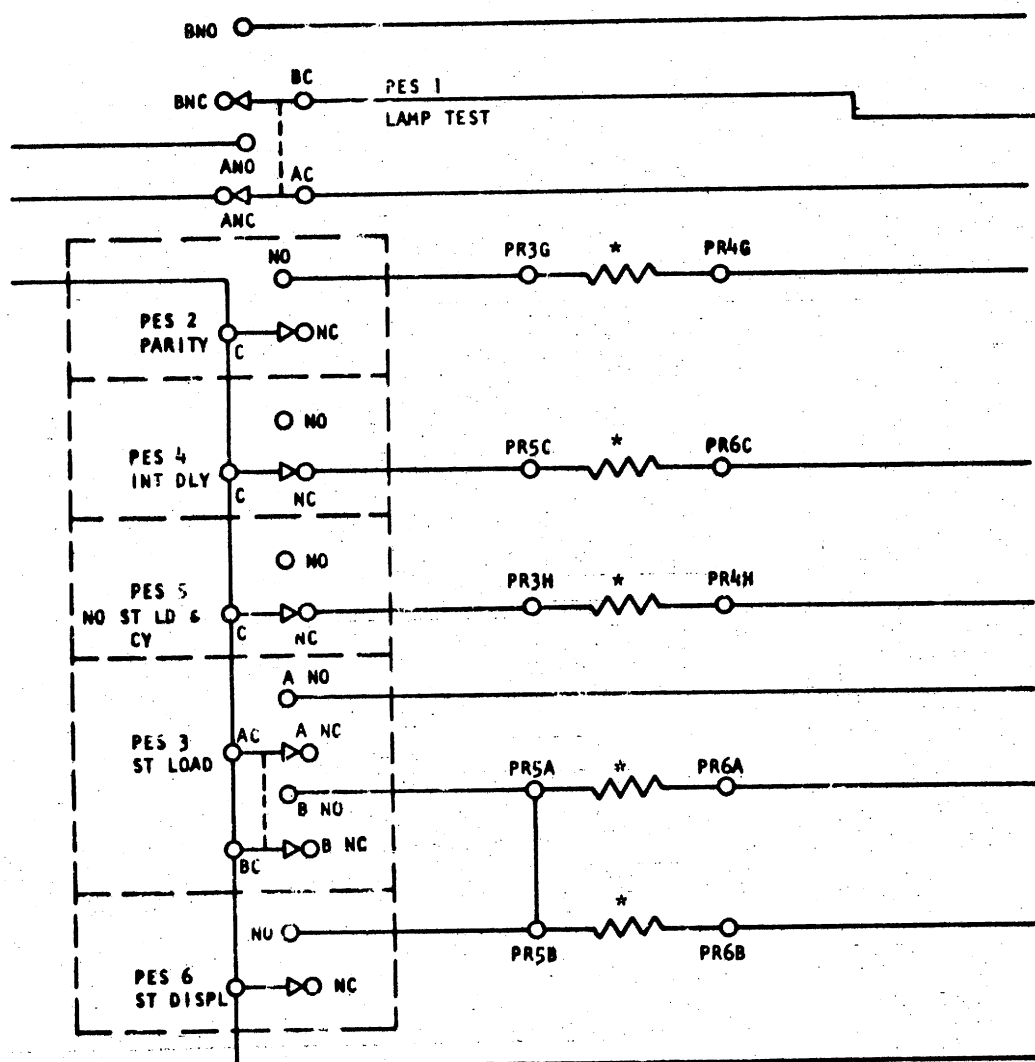
YPI31 LAMP TEST  
 208/230V 60HZ PS6 (PSPL) TB1-25  
 115V 60HZ PS6 (PSPL) TB14  
 50HZ FSC (PSPL) TG2-2

YPI31 LAMP TEST  
 + LAMP TEST  
 PLT-6  
 ZL111

+ PARITY RUN SW  
 B-A1A5D04  
 KR111

+3V TB6-6  
 YPI41  
 DC COM TB5-8  
 YPI41

+12V PKL-3B  
 ZK111



CE TEST PANEL (PE) SWITCH LOGIC

- INTERRUPT DELAY  
 B-A1A5B13  
 KT331

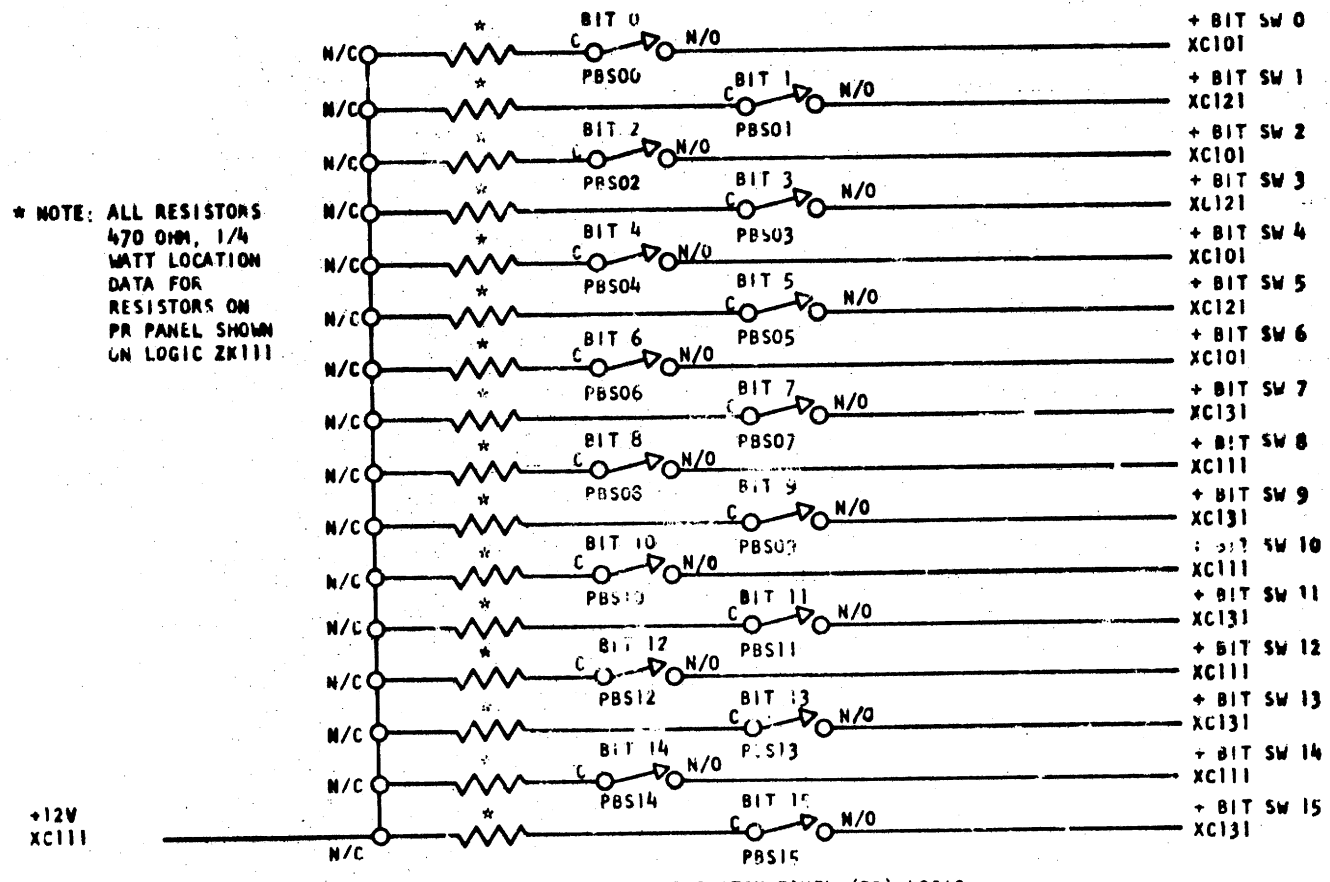
- NON STORAGE LOAD AND  
 CYCLE B-A1A5D05  
 KT331

+ LOAD DOT  
 PR3B  
 ZL111

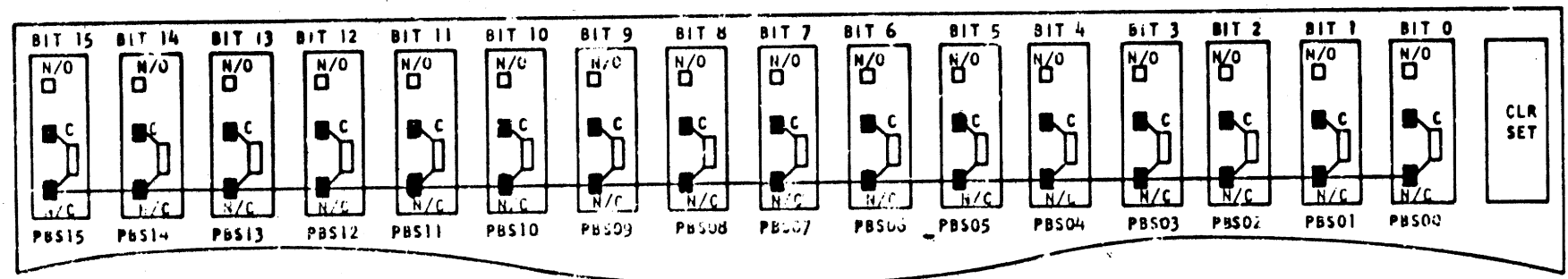
+ STORAGE LOAD/DISPLAY 1  
 B-A1A5B04  
 KT321

+ STORAGE LOAD/DISPLAY 2  
 B-A1A5B05  
 KT321

\* NOTE: ALL RESISTORS  
 470 OHM, 1/4  
 WATT LOCATION  
 DATA FOR  
 RESISTORS ON  
 PR PANEL SHOWN  
 ON LOGIC ZK111



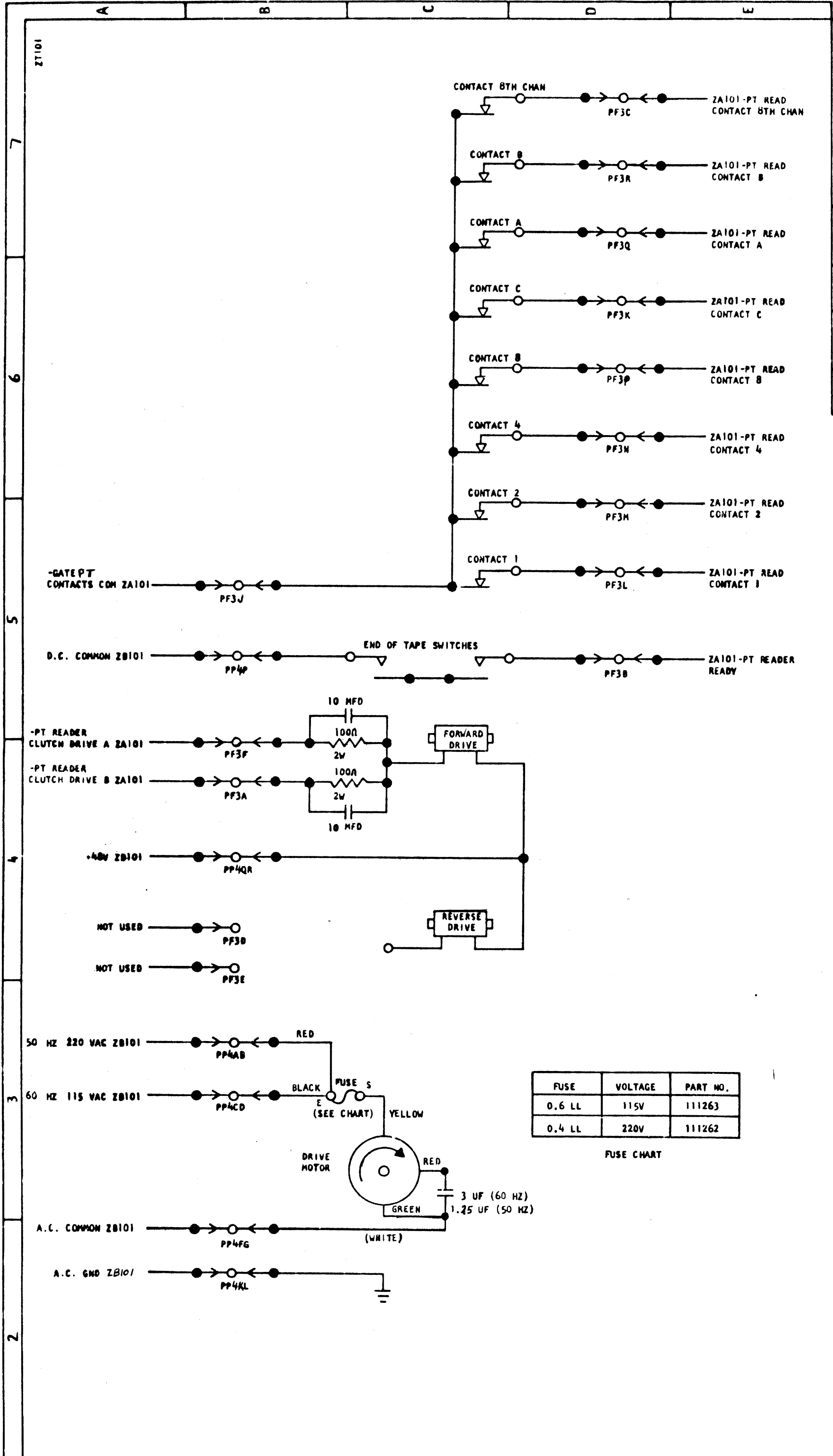
CONSOLF BIT SWITCH PANEL (PB) LOGIC



BIT SWITCH PANEL (PB) BACKVIEW

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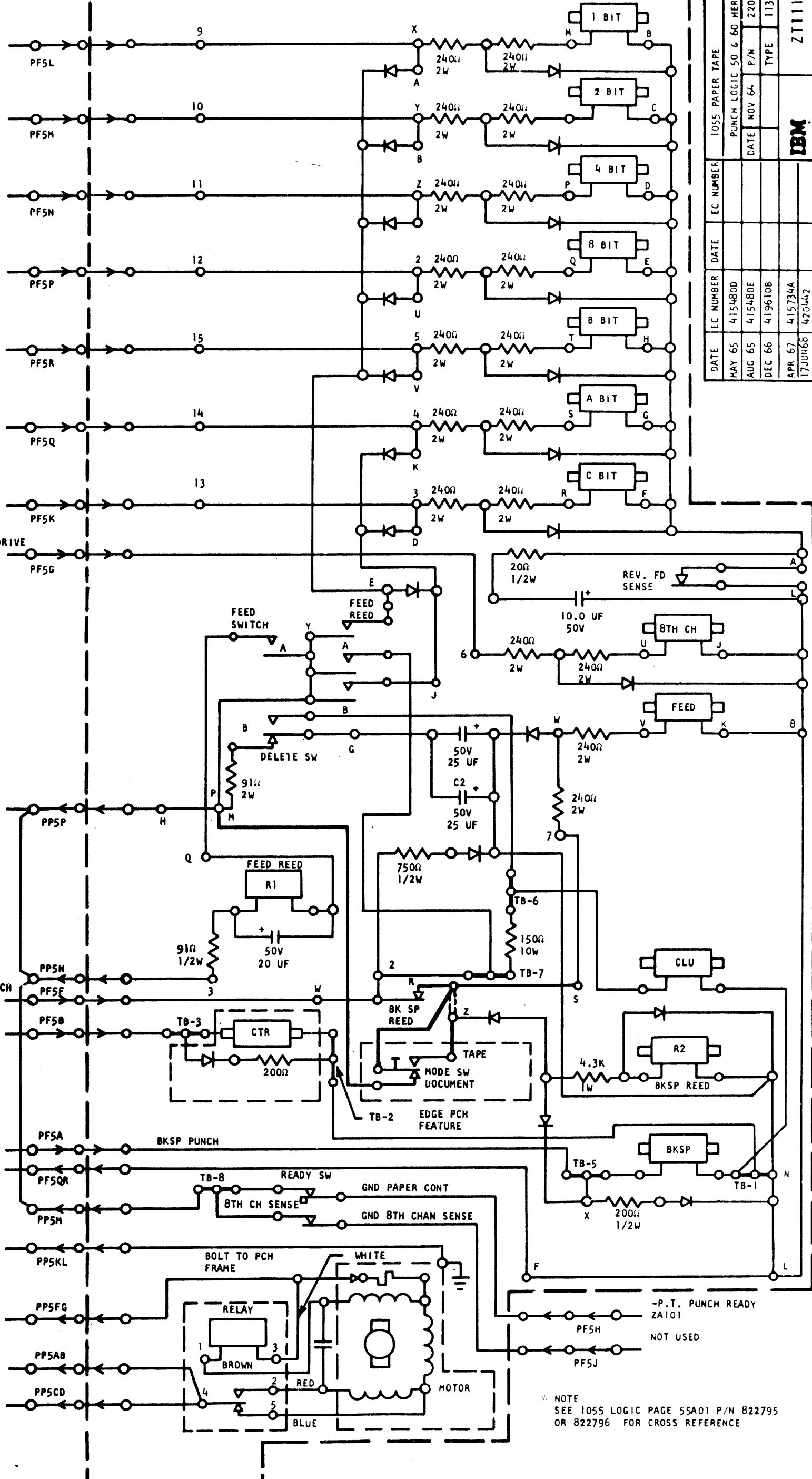
1134 PAPER TAPE READER			
DATE	EC NUMBER	DATE	P/N
SEPT 65	415484A	SEPT 65	2201306
JAN 66	415726		
AUG 66	419616		
JAN 67	419610B		
			TYPE
			1131
			IBM
			ZT101

FUSE	VOLTAGE	PART NO.
0.6 LL	115V	111263
0.4 LL	220V	111262

FUSE CHART

PAPER TAPE PUNCH-1055

- PT PUNCH 1 DRIVE ZAI01 (OV1 BIT PCH \*) PF5L
- PT PUNCH 2 DRIVE ZAI01 (OV2 BIT PCH \*) PF5M
- PT PUNCH 4 DRIVE ZAI01 (OV4 BIT PCH \*) PF5N
- PT PUNCH 8 DRIVE ZAI01 (OV8 BIT PCH \*) PF5P
- PT PUNCH B DRIVE ZAI01 (OV B BIT PCH \*) PF5R
- PT PUNCH A DRIVE ZAI01 (OVA BIT PCH \*) PF5Q
- PT PUNCH C DRIVE ZAI01 (OVC BIT PCH \*) PF5K
- PT PUNCH 8TH CHAN DRIVE ZAI01 (OV8TH CH PCH \*) PF5G
- D.C. COMMON ZB101 (MAG COM \*) PP5P
- DRIVE PT PUNCH CLUTCH ZAI01 (OV PUNCH CLUTCH \*) R & S COUNTER (OV PUNCH COUNT \*) PF5F
- NOT USED (OV BKSP PUNCH \*) +48V ZB101 (+48V \*) PF5A
- A.C. GND ZB101 (FRAME GND \*) PP5KL
- AC COMMON ZB101 (115V AC WHITE \*) PP5FG
- 50 HZ 220 VAC ZB101 PP5AB
- 60 HZ 115 VAC ZB101 (115V AC BLACK \*) PP5CD

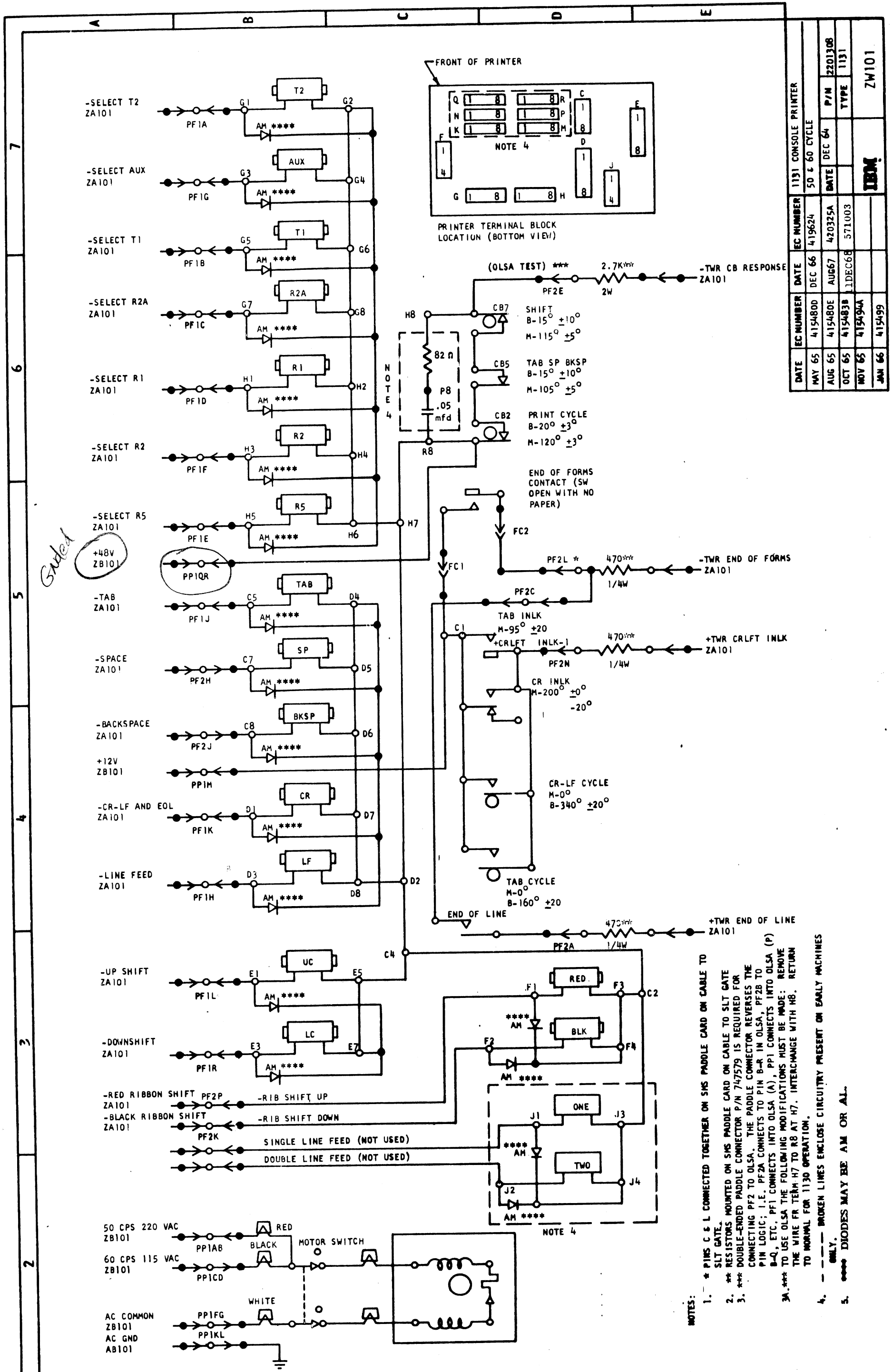


1055 PAPER TAPE		PUNCH LOGIC 50 & 60 HERTZ		ZT111	
DATE	EC NUMBER	DATE	P/N	TYPE	
MAY 65	415480D		2201307		
AUG 65	415480E				
DEC 66	419610B				
APR 67	415734A				
17JUN68	420442				

IBM

NOTE  
SEE 1055 LOGIC PAGE 55A01 P/N 822795  
OR 822796 FOR CROSS REFERENCE

7  
6  
5  
4  
3  
2



1131 CONSOLE PRINTER		50 & 60 CYCLE		P/N		DATE		TYPE		ZWI01	
EC NUMBER	419624	EC NUMBER	42035A	DATE	DEC 64	DATE	DEC 64	TYPE	1131		
DATE	MAY 65	DATE	AUG 67	DATE	DEC 64	DATE	DEC 64	TYPE	1131		
EC NUMBER	415480D	EC NUMBER	415483B	DATE	11DEC68	DATE	11DEC68	TYPE	1131		
DATE	AUG 65	DATE	NOV 65	DATE	11DEC68	DATE	11DEC68	TYPE	1131		
EC NUMBER	415494A	EC NUMBER	415499	DATE	JAN 66	DATE	JAN 66	TYPE	1131		
DATE	JAN 66	DATE	JAN 66	DATE	JAN 66	DATE	JAN 66	TYPE	1131		

- NOTES:
- \* PINS C & L CONNECTED TOGETHER ON SMS PADDLE CARD ON CABLE TO SLT GATE.
  - \*\* RESISTORS MOUNTED ON SMS PADDLE CARD ON CABLE TO SLT GATE.
  - \*\*\* DOUBLE-ENDED PADDLE CONNECTOR P/N 747579 IS REQUIRED FOR CONNECTING PF2 TO OLSA. THE PADDLE CONNECTOR REVERSES THE PIN LOGIC; I.E. PF2A CONNECTS TO PIN B-R IN OLSA, PF2B TO B-Q, ETC. PF1 CONNECTS INTO OLSA (A), PF1 CONNECTS INTO OLSA (P) TO USE OLSA THE FOLLOWING MODIFICATIONS MUST BE MADE: REMOVE THE WIRE FR TERM H7 TO R8 AT H7. INTERCHANGE WITH H8. RETURN TO NORMAL FOR 1130 OPERATION.
  - BROKEN LINES ENCLOSE CIRCUITRY PRESENT ON EARLY MACHINES ONLY.
  - \*\*\*\* DIODES MAY BE AM OR AL.

*Gated*

NOTE 4

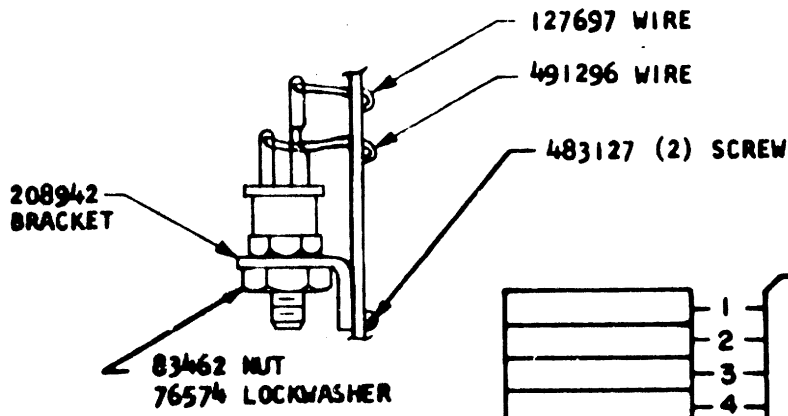
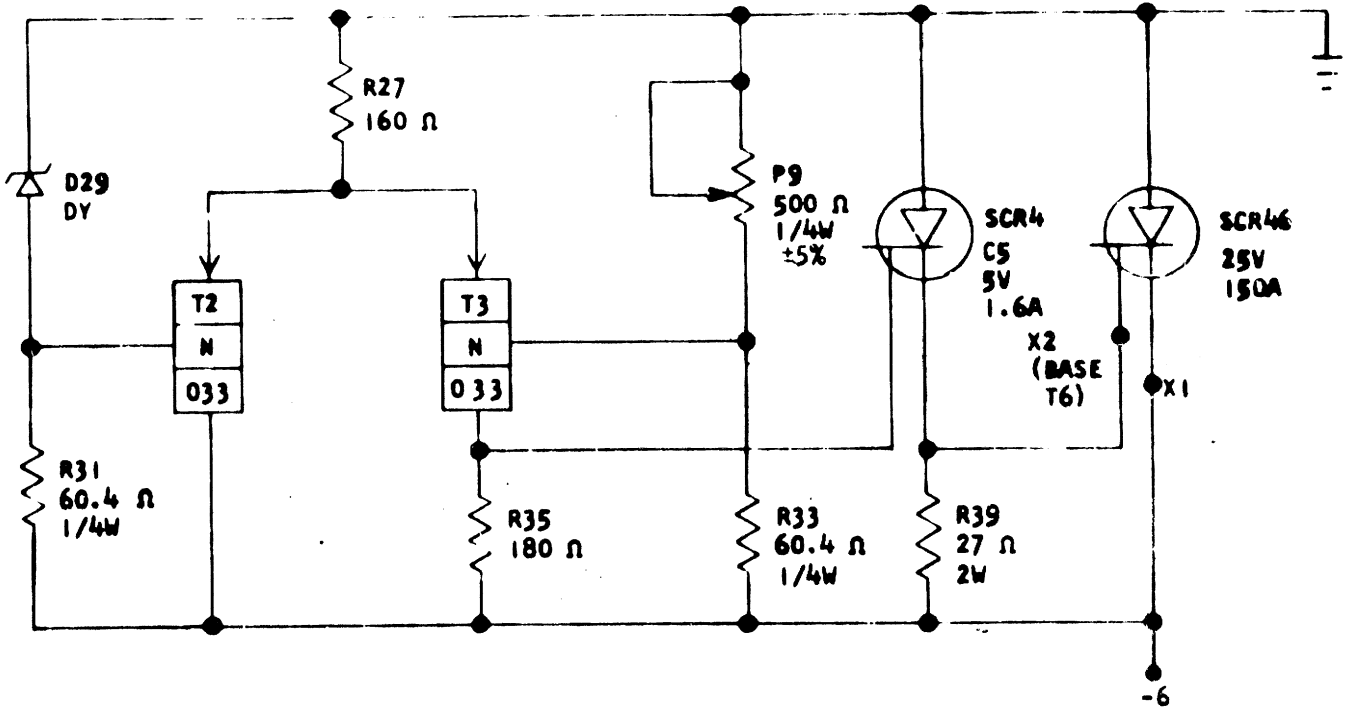
NOTE 4

372423

RESTRICTED  
NOTE XVI

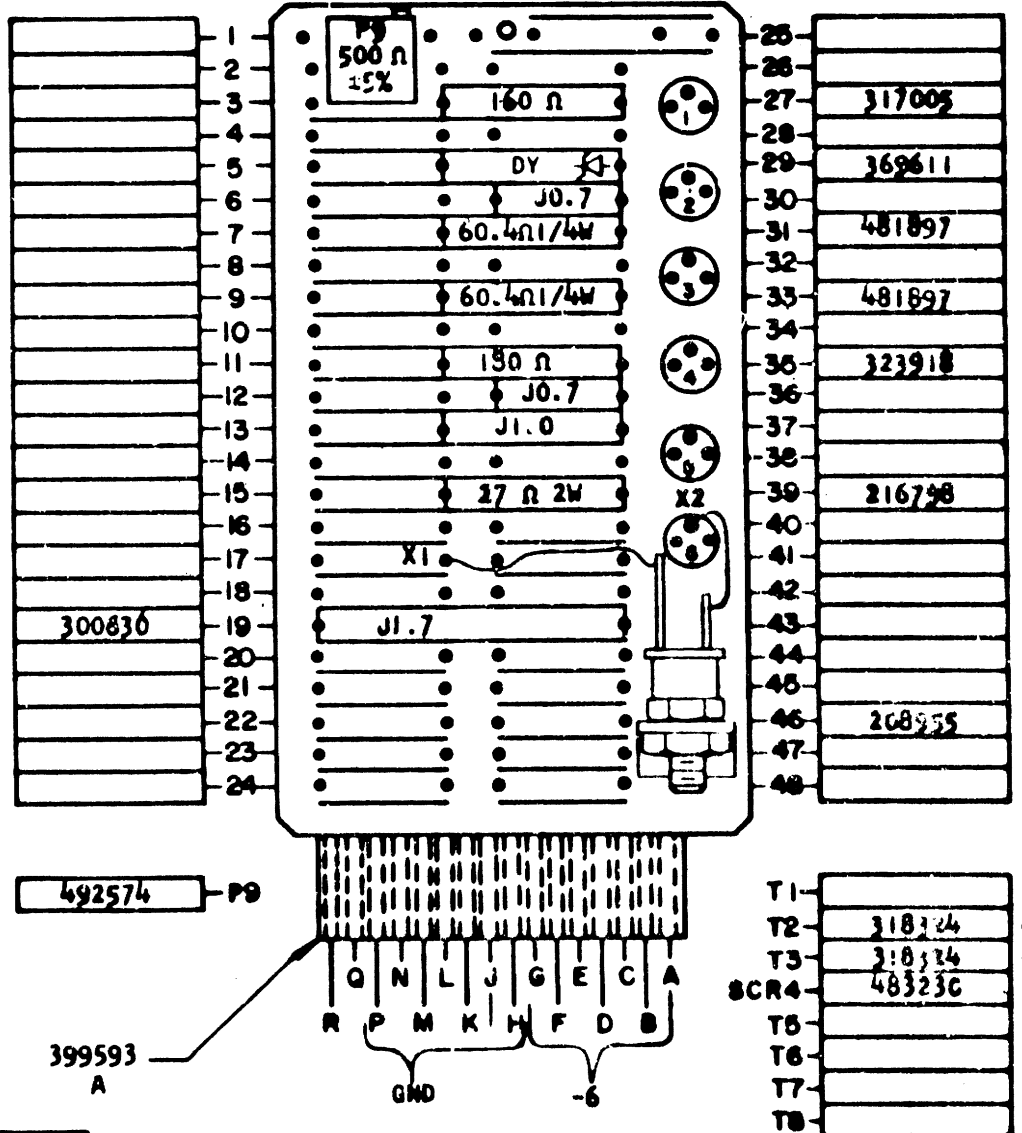
OVERVOLTAGE PROTECTION CIRCUIT FOR -6V SUPPLY  
(MOUNT CARD ON ONE INCH CENTERS NOTE XIII)

STANDARDS  
CODE  
2-7045  
A S Y -  
572423



NOTES

- X CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 870423
- XI ASSEMBLE TO ENGINEERING SPECIFICATION 895396 AND 891999
- XII ALL RESISTORS ARE 1/2 WATT AND  $\pm 5\%$  UNLESS OTHERWISE NOTED (AS NOTE XVI)
- XIII "J" IN BLOCK DENOTES BARE WIRE JUMPER 491296
- XIV MAXIMUM HEIGHT THAT COMPONENTS MAY PROJECT ABOVE THE SURFACE OF THE CARD WILL BE .850
- XV ALL 1/4 WATT RESISTORS ARE  $\pm 1\%$
- XVI TECHNICAL LABORATORY EVALUATION INCOMPLETE. ADDITIONAL USAGE TO BE AVOIDED. THIS PART SUBJECT TO WITHDRAWAL.
- XVII POTENTIOMETER 492574 AND CONTROL RECTIFIER 208955 MUST NOT BE SUBJECTED TO ANY LIQUIDS.
- XVIII APPLY EPOXY CEMENT SPEC NO. 1200 TO TRIMMING SCREW OF POTENTIOMETER AFTER VOLTAGE SETTING IS OBTAINED AS PER SPEC 870423 PAR 1.0.



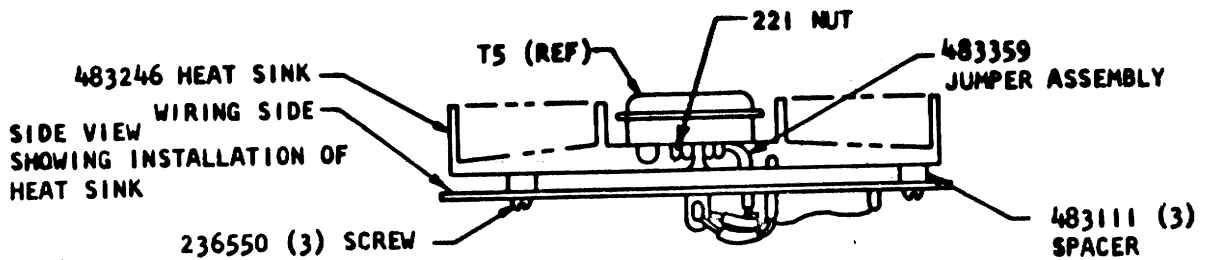
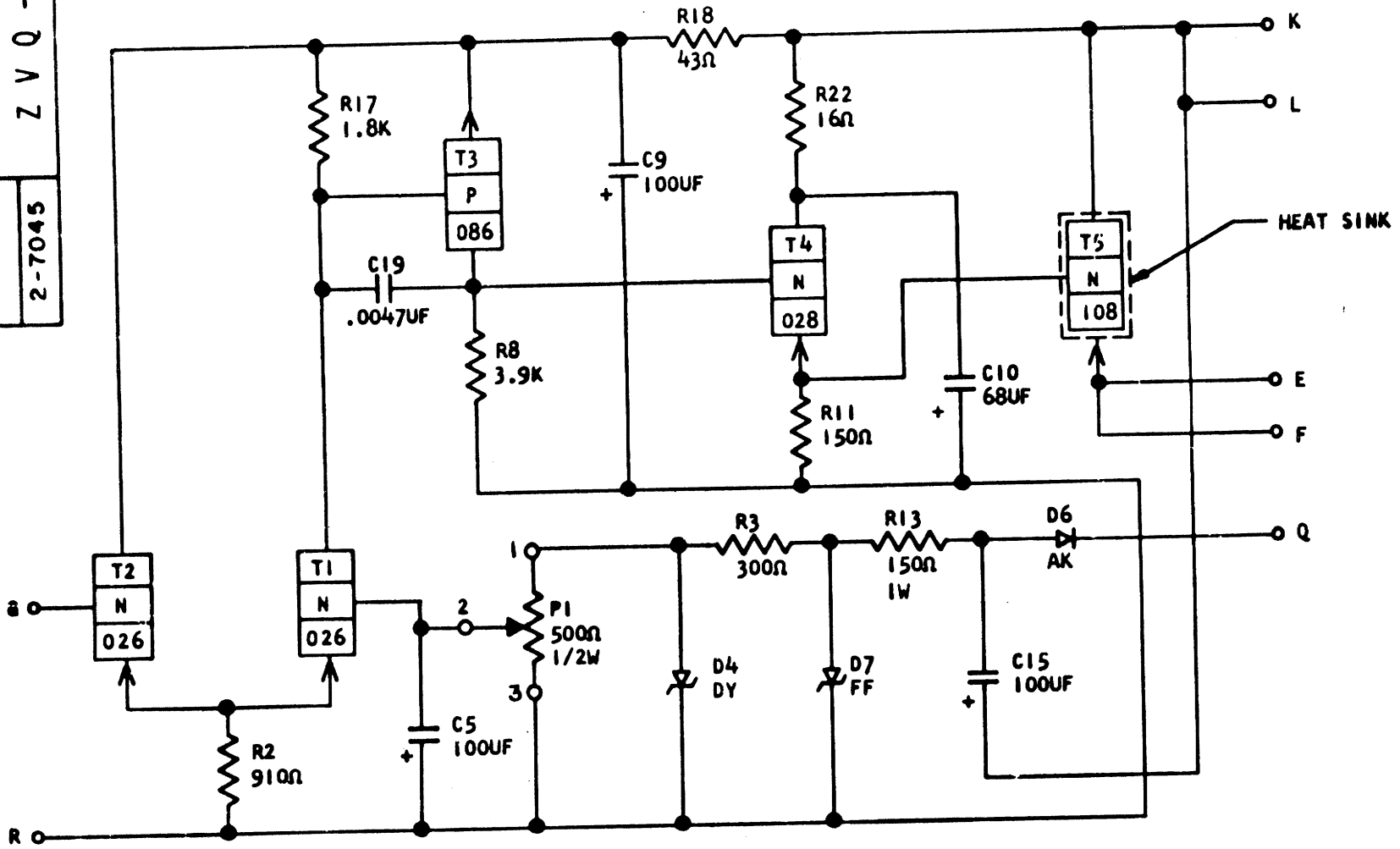
B

CIRCUIT AND PACKAGING STANDARD		HOLE PATTERN		APPROVAL		DEVELOPMENT NO.	
APPROVAL		493457		DATE		2762-052	
DATE		493457		CHANGE NO.		372423	
DFC		8-6-62		APPROVAL		372423	
G.S.		8-6-62		DATE		372423	
INTERNATIONAL BUSINESS MACHINES CORP.		DATE		CHANGE NO.		APPROVAL	
NAME		4-19-62		B127514		HBB	
CARD ASM TSTR - (-6V)		113612		NOTE XVII		2762-052	
OVERVOLTAGE PROTECTION CIRCUIT		7-8-63		NOTE XVI			
DESIGN		10-9-63		NOTE XVI			
MODEL		124778		NOTE XVI			
SMS		140CT65		NOTE XVI			
SCALE							
NONE							
CHECK							
JAV 6-5-62							
DRAW							
JAV 6-5-62							
CHECK							
GWS 9-17-62							
APPRO							

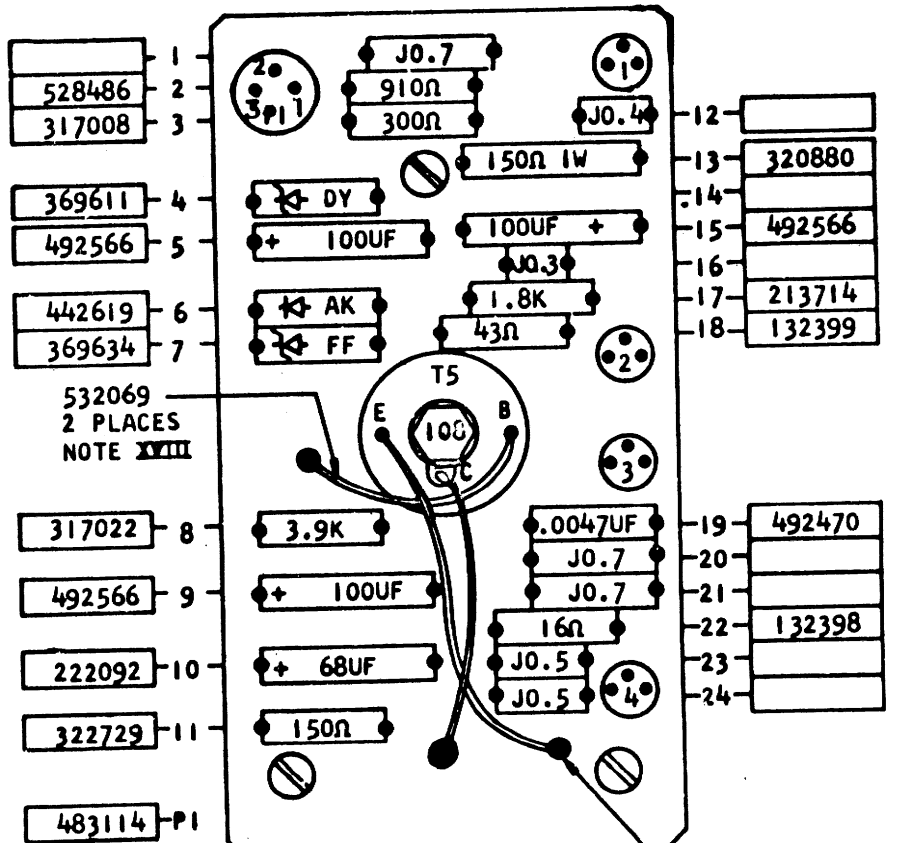
372676

**(-3V DC) VOLTAGE REGULATOR**  
 (MOUNT WIRING SIDE OF CARD ON 1.5 INCH CENTERS AND COMPONENT SIDE  
 MOUNT ON 1 INCH CENTERS (NOTE XIV))

372676  
 STANDARDS CODE  
 2-7045  
 Z V Q -



- NOTES**
- X** CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 870676
  - XI** ASSEMBLE TO ENGINEERING SPECIFICATION 895396, 891999 AND 890130
  - XII** ALL RESISTORS ARE 1/2 WATT AND ±5% UNLESS OTHERWISE NOTED.
  - XIII** "J" IN BLOCK DENOTES BARE WIRE JUMPER 491296
  - XIV** MAXIMUM HEIGHT THAT COMPONENTS MAY PROJECT ABOVE WIRING SIDE OF THE CARD WILL BE .940, AND ABOVE COMPONENT SIDE .395.
  - XV** POTENTIOMETER 483114 MUST NOT BE SUBJECTED TO ANY LIQUIDS
  - XVI** TRANSISTOR CASE IS THE COLLECTOR. ELECTRICAL CONNECTION COMPLETE THROUGH JUMPER
  - XVII** FOR SMS MOUNTING, USE MOUNTING BLOCK 801619
  - XVIII** ASSEMBLE INSULATED JUMPER ASSEMBLY (483359) TO COLLECTOR OF TRANSISTOR (369214). SOLDER (2) INCHES OF 532069 TO THE 2 REMAINING LEADS OF TRANSISTOR. AFTER ASSEMBLY OF HEAT SINK TO CARD, CUT 532069 TO REQUIRED LENGTH AND SOLDER ALL 3 WIRE ENDS TO 216258 AS SHOWN
  - XIX** USE MOTOROLA TRANSISTOR ONLY IN POSITION T5.



T1	535441	026
T2	535441	026
T3	369087	086
T4	518689	028
*T5	369214	108

**B** PW 16MAR67

OPD CIRCUIT & PACKAGING STANDARD	
APPROVAL	DATE
REB GS	11-12-63
HOLE PATTERN	
747833	

INTERNATIONAL BUSINESS MACHINES CORP.				DATE	CHANGE NO.	APPROVAL	DATE	CHANGE NO.	APPROVAL	DEVELOPMENT NO.
NAME	CARD ASM TSTR - (-3V DC)			11-14-63	118941	NOTE XV				372676
	VOLTAGE REGULATOR			4-24-64	120091	<i>GWS</i>				
DESIGN	VE	10-11-63	MODEL	SMS	16MAR67	131099	GWS			
DETAIL	VE	10-11-63	SCALE	NONE						
CHECK	GLK	11-7-63	DRAW	LIG 3-13-64						
APPRO	GWS	11-12-63	CHECK	GLK 11-7-63						

1-1000-00 0000

372676

372677

STANDARDS  
CODE

Z V R -

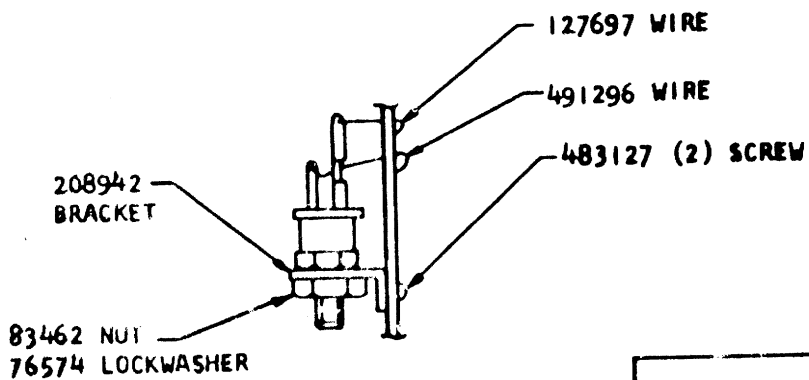
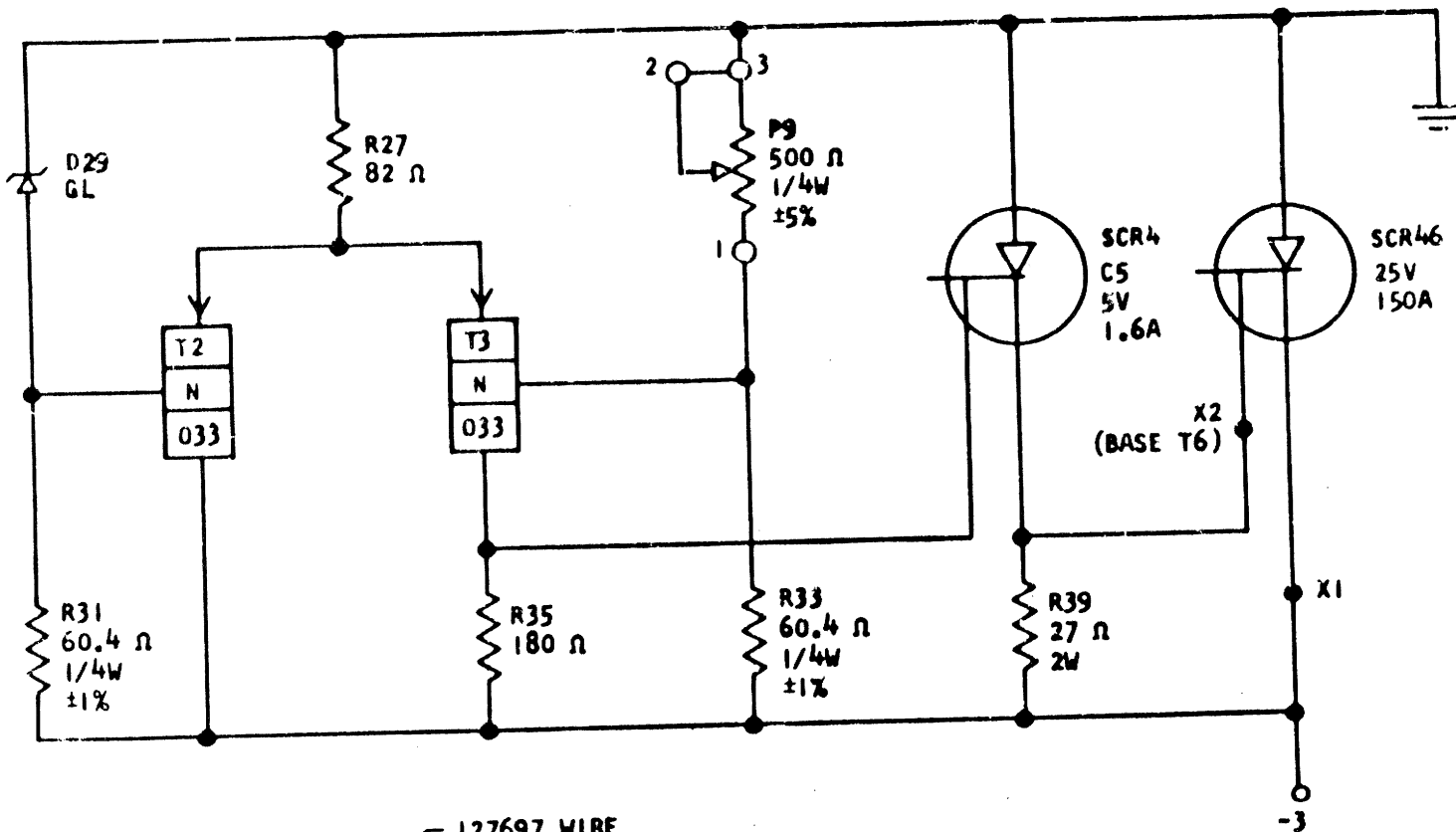
2-704\*

# (-3V) OVERVOLTAGE PROTECTION

(MOUNT CARD ON ONE INCH CENTERS NOTE XIV)

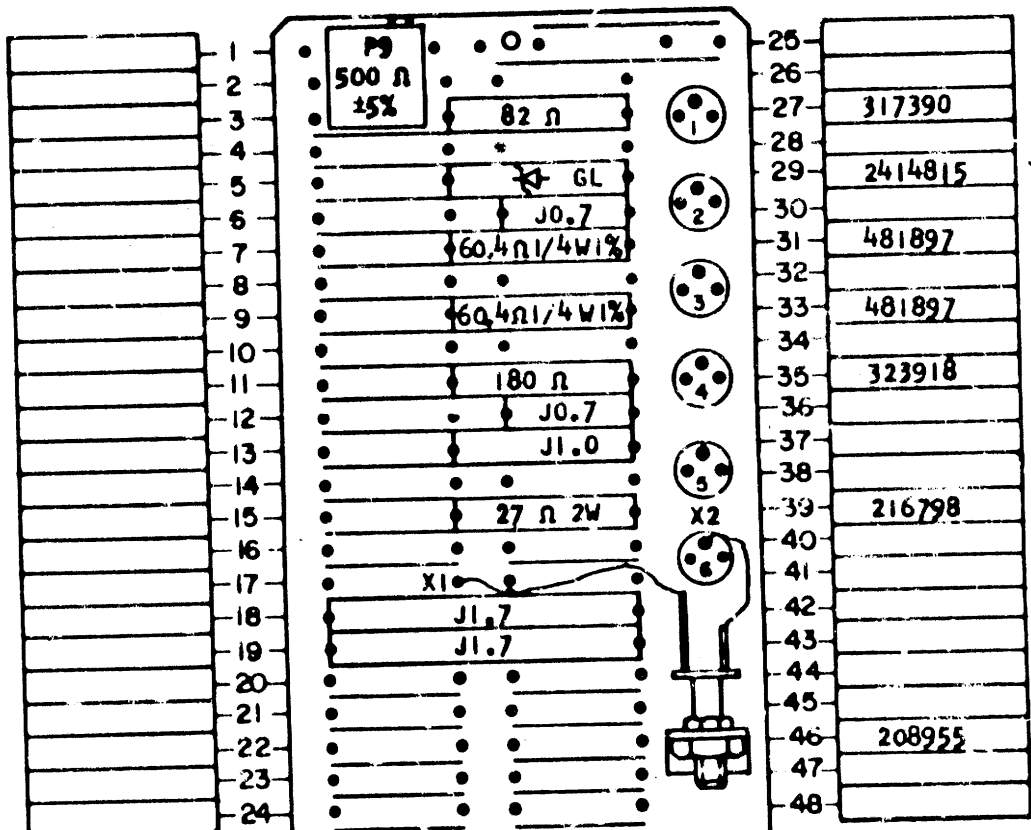
372677

RESTRICTED  
NOTE XV



### NOTES

- X CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 870677
- XI ASSEMBLE TO ENGINEERING SPECIFICATION 895396 AND 891999
- XII ALL RESISTORS ARE 1/2 WATT AND  $\pm 5\%$  UNLESS OTHERWISE NOTED
- XIII "J" IN BLOCK DENOTES BAKE WIRE JUMPER 491296
- XIV MAXIMUM HEIGHT THAT COMPONENTS MAY PROJECT ABOVE THE SURFACE OF THE CARD IS .850
- XV TECHNICAL LABORATORY EVALUATION INCOMPLETE. ADDITIONAL USAGE TO BE AVOIDED. THIS PART SUBJECT TO WITHDRAWAL.
- XVI POTENTIOMETER 492574 AND 208955 MUST NOT BE SUBJECTED TO LIQUIDS
- XVII APPLY EPOXY SPEC NO 1209 TO TRIMMING SCREW OF POTENTIOMETER AFTER VOLTAGE SETTING IS OBTAINED AS PER SPEC 870422 PAR 1.0.



492574 P9

399593 A

T1		
T2	318324	033
T3	318324	033
SCR4	483230	*
T5		
T6		
T7		
T8		

COMPONENT SIDE

B

CIRCUIT AND PACKAGING STANDARD		APPROVAL		DATE		HOLE PATTERN	
		<i>REB</i>		<i>11-12-63</i>		493457	
INTERNATIONAL BUSINESS MACHINES CORP.		DATE	CHANGE NO.	APPROVAL	DATE	CHANGE NO.	APPROVAL
NAME	CARD ASM TSTR - (-3V)	<i>11-14-63</i>	118941	<i>NOTE XV</i>			
DESIGN	OVERVOLTAGE PROTECTION	140CT65	125832	<i>NOTE XV</i>			
DETAIL		<i>5MAY66</i>	D127514	<i>HOG</i>			
MODEL	SMS7094 II						
SCALE	NONE						
DRWN	VL	<i>10-24-63</i>					
CHKD		<i>11-7-63</i>					
APPR		<i>11-12-63</i>					

62 3981-2 6-22-61

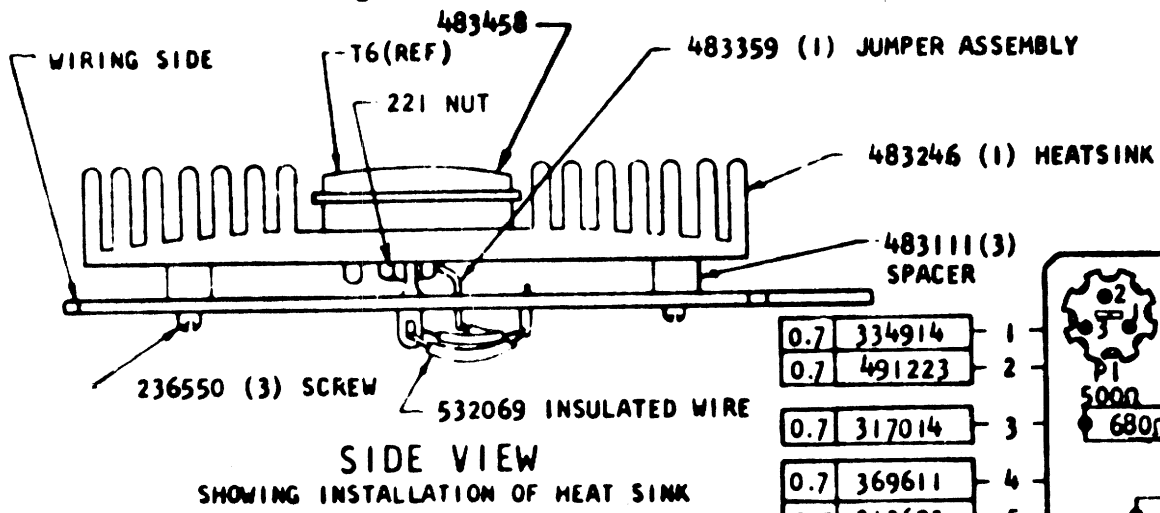
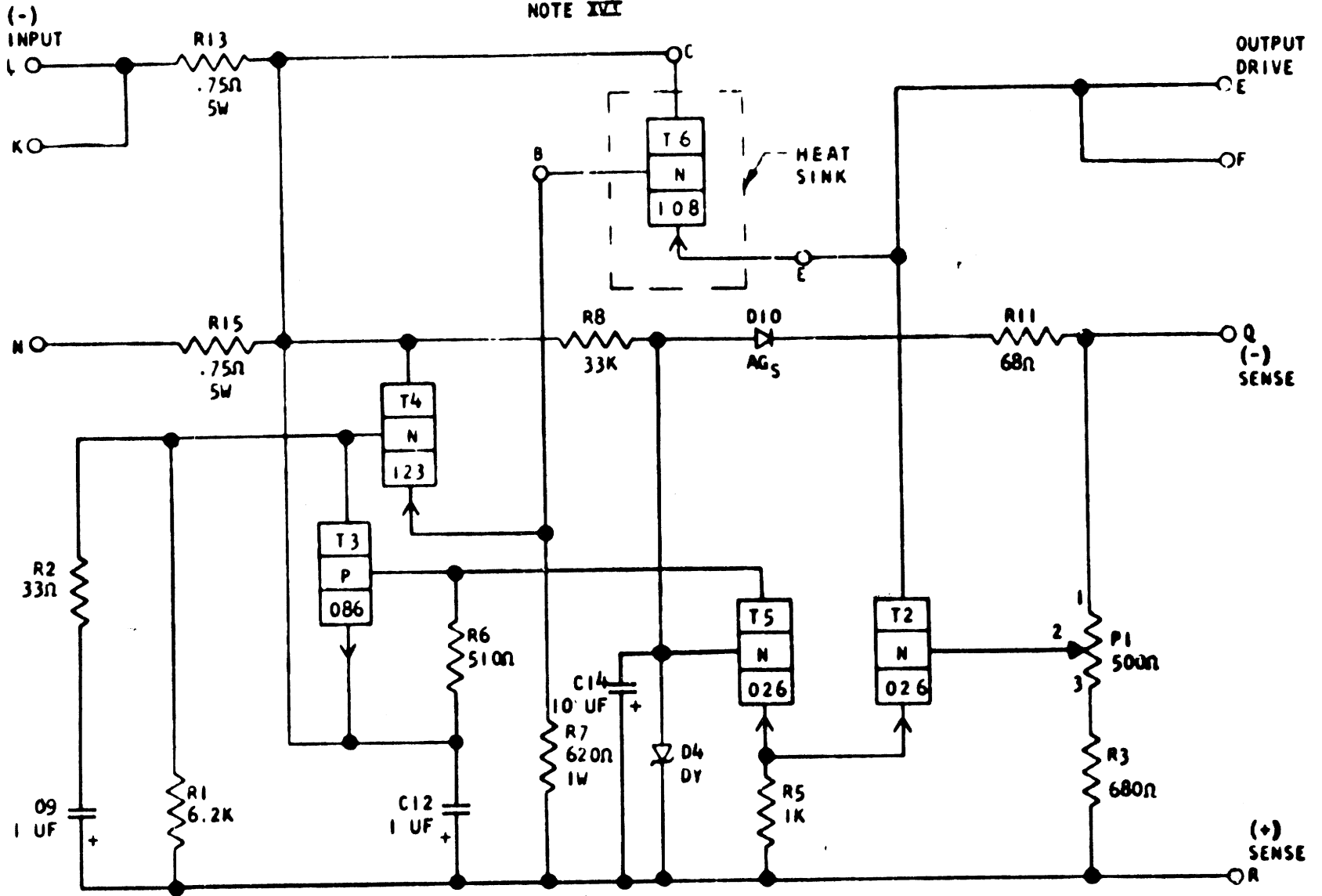
372677

C. B. CO. NO. 100

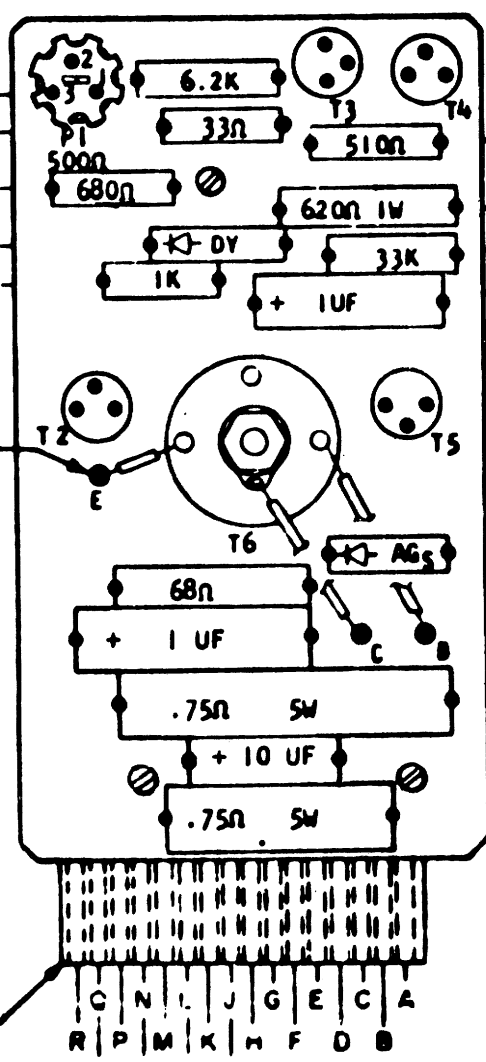
372990

MIDPACK 6 VOLT AMPLIFIER CARD  
MOUNT WIRING SIDE OF CARD ON 1.5 INCH CENTERS  
NOTE XVI

372990  
UGV -  
STANDARDS CODE  
2-7045



0.7	334914	1
0.7	491223	2
0.7	317014	3
0.7	369611	4
0.7	213693	5



6	317012	0.7
7	335050	1.0
8	317029	0.7
9	521736	1.0
10	492457	0.7
11	508040	1.0
12	521736	1.3
13	483247	2.0
14	492541	0.7
15	483247	1.5
P1	483114	
T2	535441	026
T3	369087	086
T4	369648	123
T5	535441	026
T6	369214	108

- NOTES
- I CIRCUIT MUST CONFORM TO ENGINEERING SPECIFICATION 870990
  - II ASSEMBLE TO ENGINEERING SPECIFICATIONS 891999, 895396 AND 890130
  - III ALL RESISTORS ARE 1/2 WATT AND ±5% UNLESS OTHERWISE NOTED
  - IV TRANSISTOR CASE IS THE COLLECTOR. ELECTRICAL CONNECTION COMPLETE THROUGH JUMPER
  - V POTENTIOMETER, PART NUMBER 483114, NOT TO BE SUBJECTED TO ANY LIQUID
  - VI ASSEMBLE INSULATED JUMPER ASSEMBLY 483359 TO COLLECTOR OF TRANSISTOR. SOLDER (2) INCHES OF 532069 TO REMAINING 2 LEADS OF TRANSISTOR. AFTER ASSEMBLY OF HEATSINK TO CARD, CUT 532069 TO REQUIRED LENGTH AND SOLDER ALL 3 WIRE ENDS TO 216258, AS SHOWN
  - VII MAXIMUM HEIGHT THAT COMPONENTS MAY PROJECT ABOVE WIRING SIDE OF CARD WILL BE .970
  - VIII APPLY EPOXY PROTECTIVE COATING TO THE TOP OF TRANSISTOR T4 FOR PROPER APPLICATION OF EPOXY TO TRANSISTOR CAN, SEE ENGINEERING SPECIFICATION 893001, PARAGRAPH 7.0

IX REFER TO FIELD SERVICE DRAWING, PART NUMBER 822947, WHEN MAKING A CHANGE TO THIS CIRCUIT

DPD CIRCUIT & PACKAGING STANDARD	
APPROVAL	DATE
REB	2-10-64
HOLE PATTERN	
399407	

INTERNATIONAL BUSINESS MACHINES CORP	DATE	CHANGE NO.	APPROVAL	DATE	CHANGE NO.	APPROVAL	DEVELOPMENT NO.
NAME CARD ASM ISTR - MIDPACK	4-24-64	119686	GLK	6OCT66	130333	GLK	
6 VOLT AMPLIFIER CARD	6-17-64	D121662	FVL				
MODEL SMS	11-12-64	121918	GLK				
SCALE NONE	5-10-65	124279	GLK				
CHECK GLK 9-20-64	1 JUN 66	127530	GLK				
APPROB SJ 1-15-64							

372990