

	2	3	4	5	6	7	
	A	B	C	D	E	F	
2	5807140 MAG DR A1-ER181	5807140 MAG DR A1-ER181	5807140 MAG DR A1-ER181	5800509 II NOTE X A1-WA010 B1-WA010 C1-WA010	INTERFACE CABLE	READ CABLE	2
3				5800036 JUMPER CD NOTE XI A1-WA010 B1-WA010 C1-WA010	5800912 DLY CD A1-A7-ER171 B1-ER171	PUNCH MAG CABLE	3
4	5804294 PCH CK AA-ER141 BA-ER141 CA-ER141 DA-ER141 EA-ER141 FA-ER151 GA-ER151 BB-ER141	5804294 PCH CK AA-ER151 BA-ER161 CA-ER151 DA-ER161 EA-ER161 FA-ER161 GA-ER161 BB-ER161	5804715 PHOTO TSTR AMPLIFIER A1-ER121 A2-ER121 A3-ER121 A4-ER121 A5-ER121 A6-ER121 A7-ER121 A8-ER131	5804715 PHOTO TSTR AMPLIFIER NOTE XII A1-ER131 A2-ER131 A3-ER131 A4-ER131 A5-ER131 A6- A7-ER131 A8-	INTERFACE CABLE INTERFACE CABLE	PUNCH MAG CABLE PULSE SCAN SWITCH CABLE	4
5							5
6	5807138 PCH MAG DR AA-ER141 AB-ER141 AC-ER141 AD-ER141 AE-ER151 AF-ER151 AG-ER151 AH-ER151 AJ-ER141 AK-ER141	5807138 PCH MAG DR AA-ER161 AB-ER161 AC-ER161 AD-ER161 AE-ER171 AF-ER171 AG-ER171 AH-ER171 AJ-ER161 AK-ER161	5803498 CB SHAPER AA-ER111 BA-ER111 CA-ER111 DA-ER111	5803498 CB SHAPER AA-ER101 BA-ER101 CA-ER101 DA-ER101	INTERFACE CABLE	SWITCH CABLE	6
7			648639 RESISTOR CD NOTE X WA-010 WA-010 WA-010	5804025 AI B1 B2-ER101 B3-ER111 B4-ER111 B5-ER171 A1-A4 UNUSED	INTERFACE CABLE	LIGHTS CABLE	7
	A	B	C	D	E	F	

ADDITIVE CARD CODES

B - BASIC CARDS - USER IN ALL MACHINES

RPP - READER PUNCH - PUNCH CARDS - NOT USED IN READER ONLY MACHINE

RPR - READER PUNCH READER CARDS - NOT USED IN PUNCH ONLY MACHINE

1130 - CARD USED ONLY WHEN MACHINE IS ATTACHED TO AN 1130 OR 1800 SYSTEM

360 - CARD USED ONLY WHEN MACHINE IS ATTACHED TO A 360/20 SYSTEM

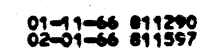
NOTES

X THIS CARD USED WITH 1130/1800 SYSTEM

XI THIS CARD USED WITH 360 SYSTEM

XII THIS CARD USED ONLY WHEN MACHINE IS READER-PUNCH

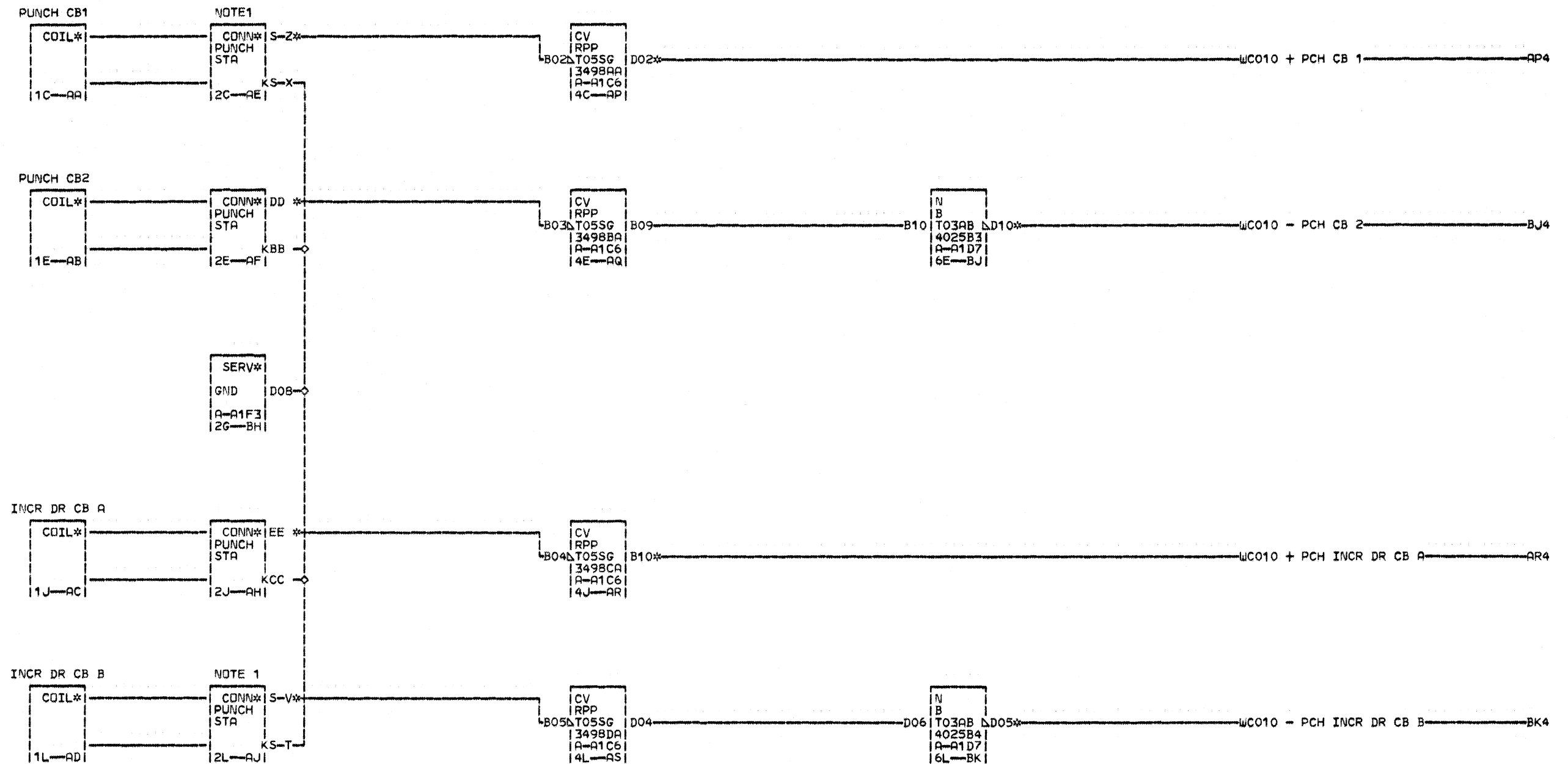
DATE	EC NUMBER	DATE	EC NUMBER	CARD LOCATION CHART			
1-21-66	811290						
3-15-66	811597			DATE		PN	648648
7-26-67	812753					TYPE	142
				IBM A1001			



AE2 A-21F2B12 BK4 A-21E4D13
AF2 A-21F2B13
AK2 A-21F2D12
AJ2 A-21F2D13
AP4 A-21E4B12
 O1A-21F5D10
AQ4 A-21E4B13
 O1A-21F5B10
AR4 A-21E4D12

FEED CDS			
DATE	02-08-66	FRCH.	1442-567
LDG	016	FRAME	01
		PoNo	648651
IBM CORP.	SDD	BLK.	BL

RE 101 000



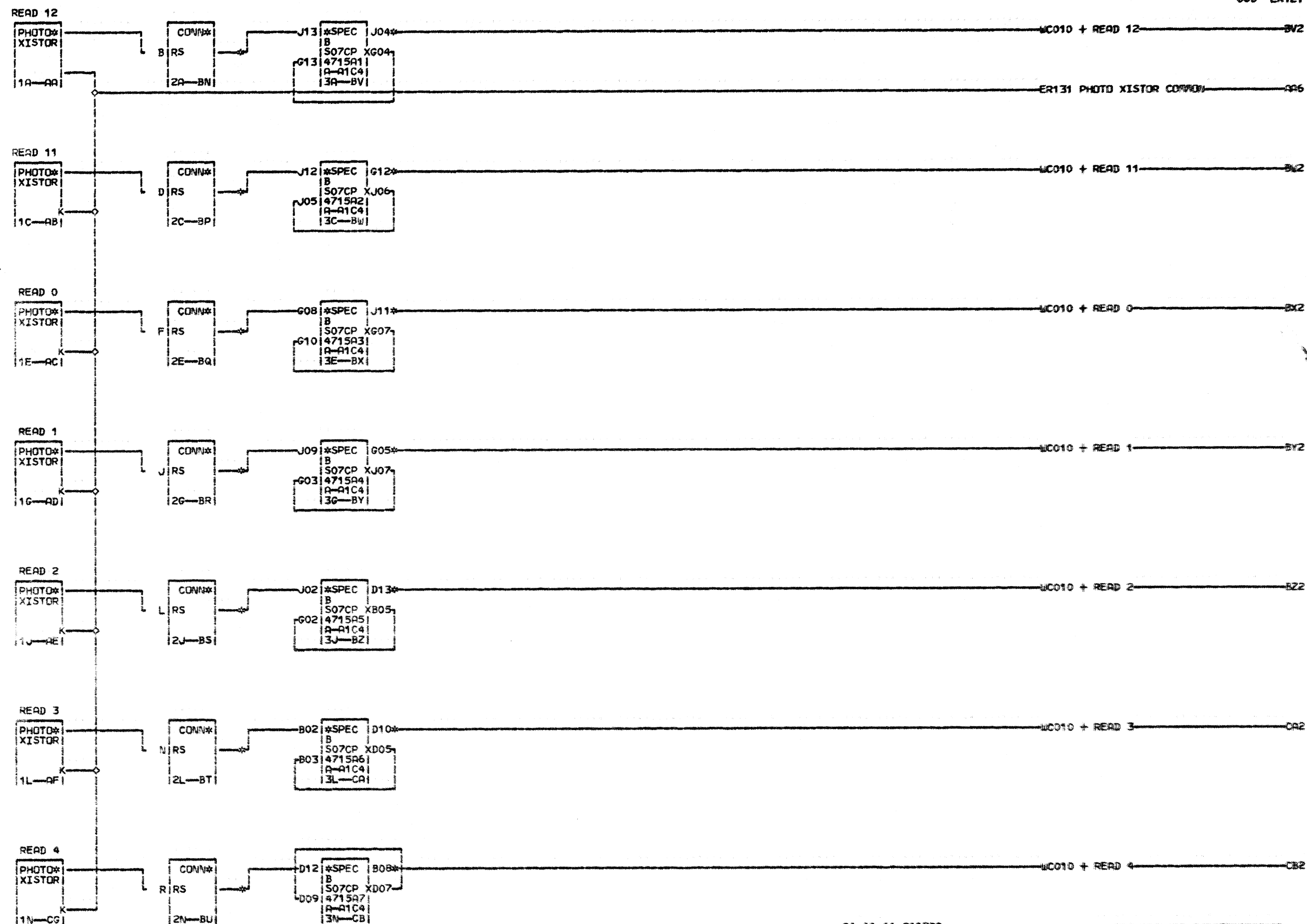
NOTE 1 PUNCH STATION
CONNECTOR POSITIONS PRECEDED
BY AN S- INDICATES THAT THE
R LETTER FOLLOWING IS ENGRAVED
1 IN LOWER CASE SCRIPT ON THE
1 CONNECTOR FACE

AE2 A-A1F3D07
AF2 A-A1F3D09
AH2 A-A1F3D05
AJ2 A-A1F3D06
AP4 A-A1E4B04
01A-A1F5D11
AR4 A-A1E5B03
BJ4 A-A1E4B02
BK4 A-A1E5D11

01-11-66 811290
02-01-66 811597

PUNCH + DRIVE CBDS			
DATE	03-15-66	MACH.	1442-567
LOG	016	FRAME	01
P.N.		648652	
TRM CORP.		SDD BLK.	

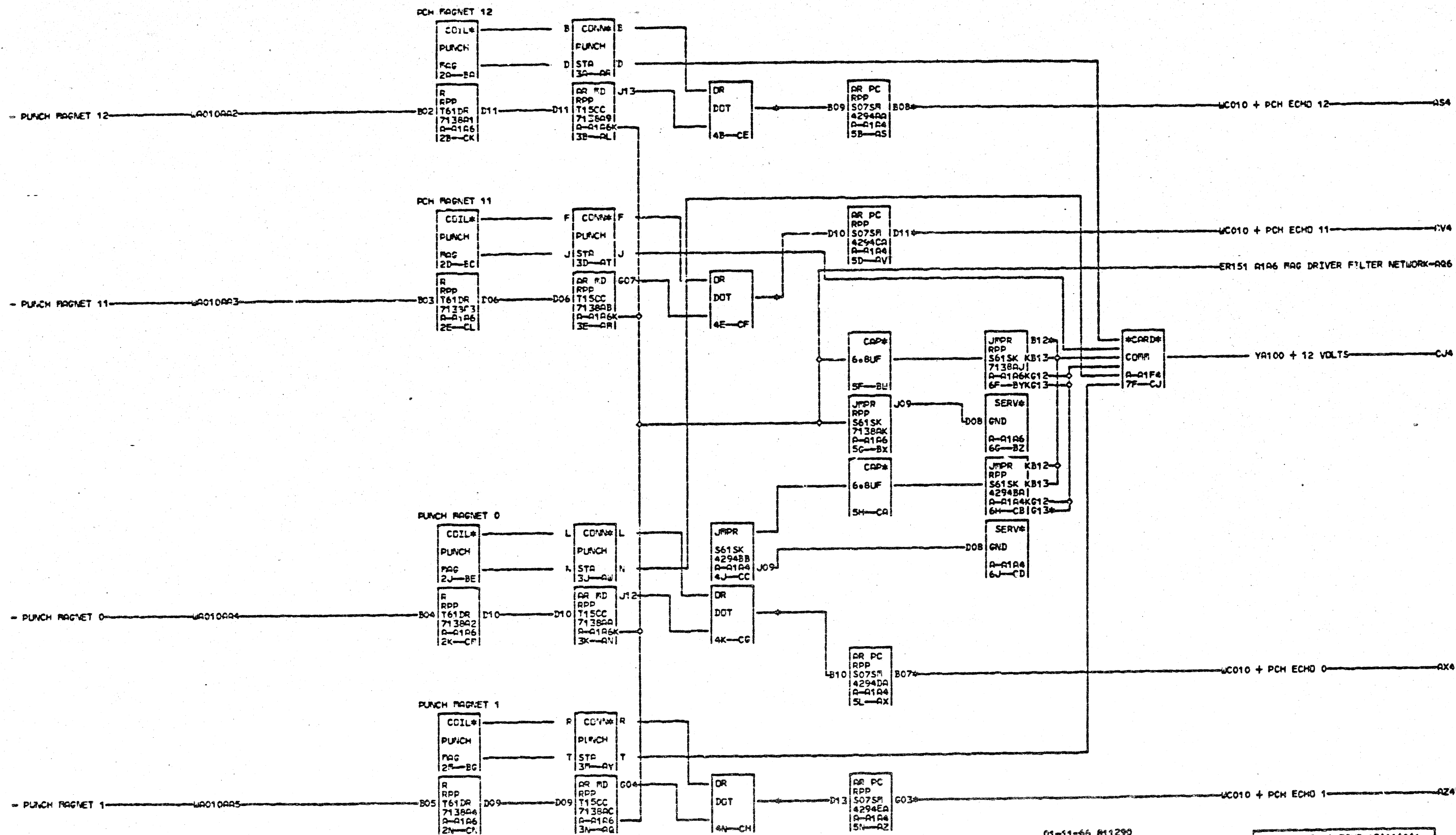
E
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BN4 A-A1F2B02 BU2 A-A1E4B03 01A-A1F5B04
 BP4 A-A1F2D02 01A-A1F5B02 CB2 A-A1E2D05
 BQ4 A-A1F2D04 BX2 A-A1E2B03 01A-A1F5D05
 BR4 A-A1F2B03 01A-A1F5D12
 BS4 A-A1F2D05 BY2 A-A1E2B04
 BT4 A-A1F2B04 01A-A1F5B03
 BU4 A-A1F2D06 BZ2 A-A1E2D04
 BV2 A-A1F2B05 01A-A1F5D04

01-11-66 311290
 02-01-66 811597

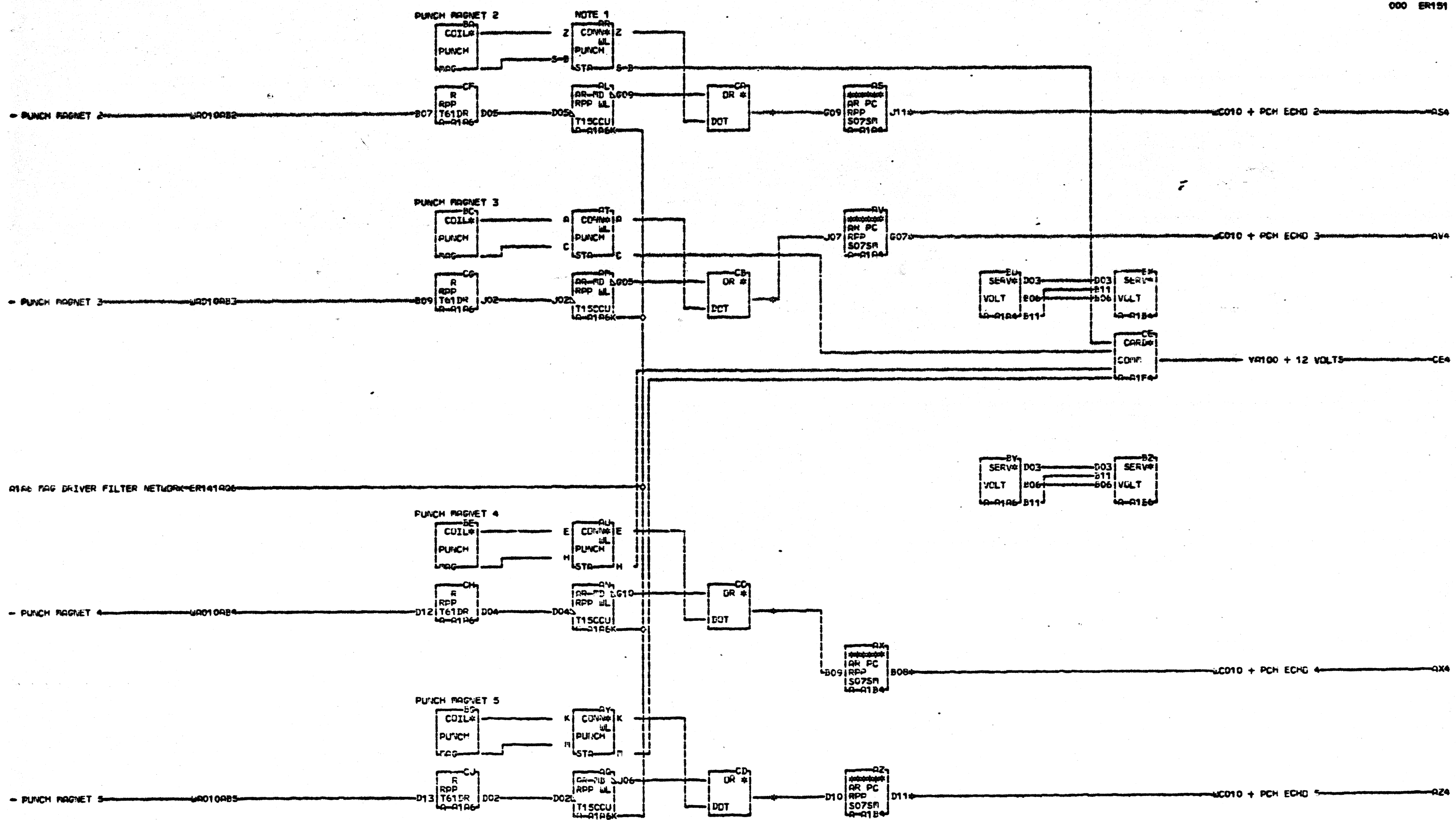
SAP READ AMPLIFIERS			
DATE	03-15-66	INCH	1442-567
LOG	016	FRAME	01
PcN		648653	000



01-11-66 811290
02-01-66 811587
03-15-67 812753

PUNCH ROW + ECHO 120110001			E R 1 4 1 000
DATE	03-28-67	FACH. 1442-567	
LDE	D330	FRAME 01	
P.N. 648655			
IBM CORP.	SDD BLK.	CP	

AS4 A-01E4D04 CH4 A-01F4B05
AV4 A-01E4B05
AX4 A-01E4D05
AZ4 A-01E4D06
BY2 A-01F4D10
CB7 A-01F4D12
CE4 A-01F4B02
CF4 A-01F4B03
CG4 A-01F4B04

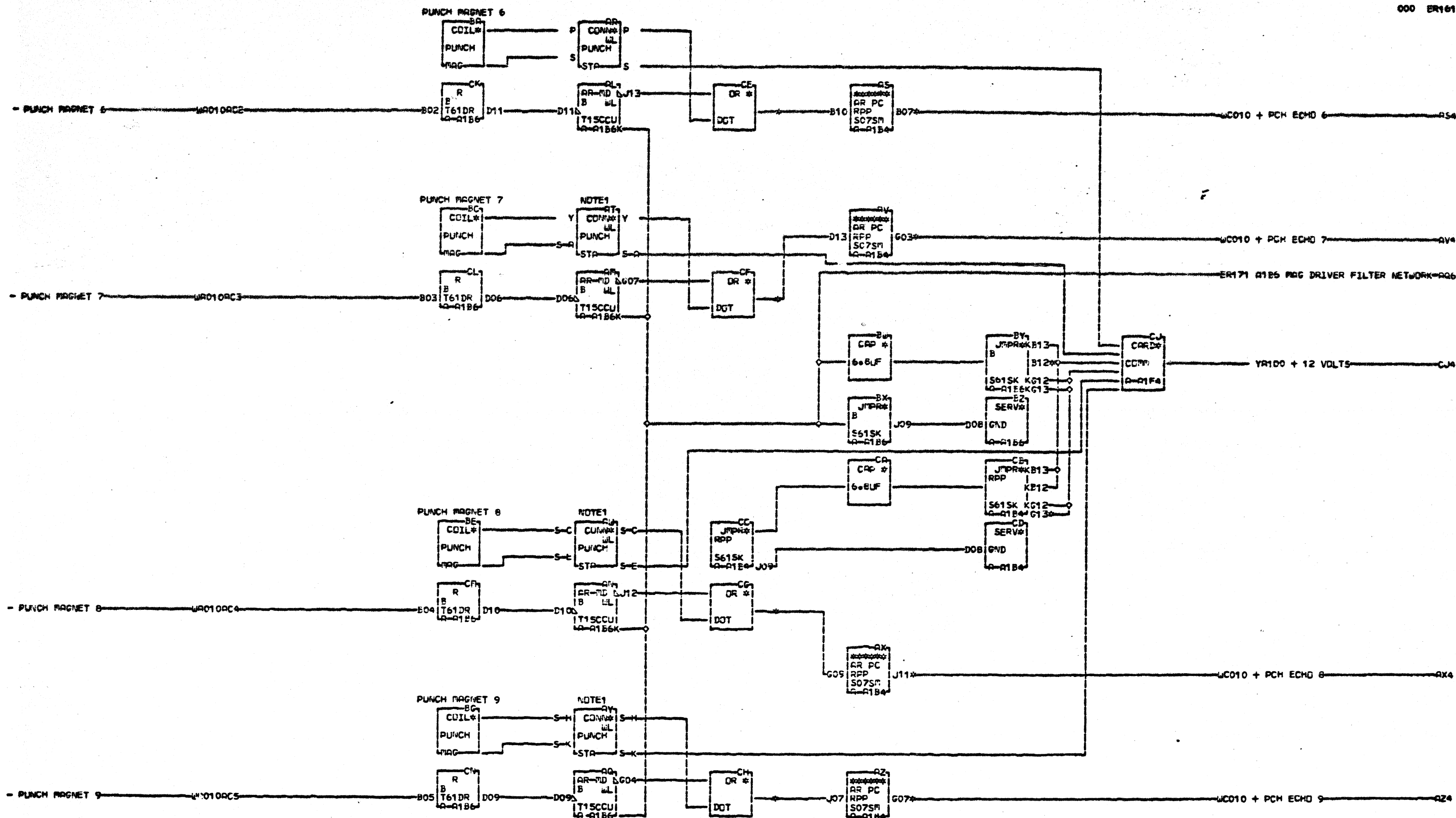


NOTE 1 PUNCH STATION
CONNECTOR POSITIONS PRECEDED
E BY AN S- INDICATES THAT THE
R LETTER FOLLOWING IS ENGRAVED
1 IN LOWER CASE SCRIPT ON THE
S CONNECTOR FACE
1

AS4 A-01E4807
AV4 A-01E4807
AX4 A-01E4808
AZ4 A-01E4809
CA4 A-01F4807
CB4 A-01F4808
CC4 A-01F4809

LCC TYPE
A-0124 4294
A-0126 7136
A-0128 4294

PUNCH PCW + ECHO 2030405			
E.C. HISTORY		RECH. 1442-567	
811290		FRAME	01
811597		IBN CORP. SDD	1000
DATE	LAST EC		



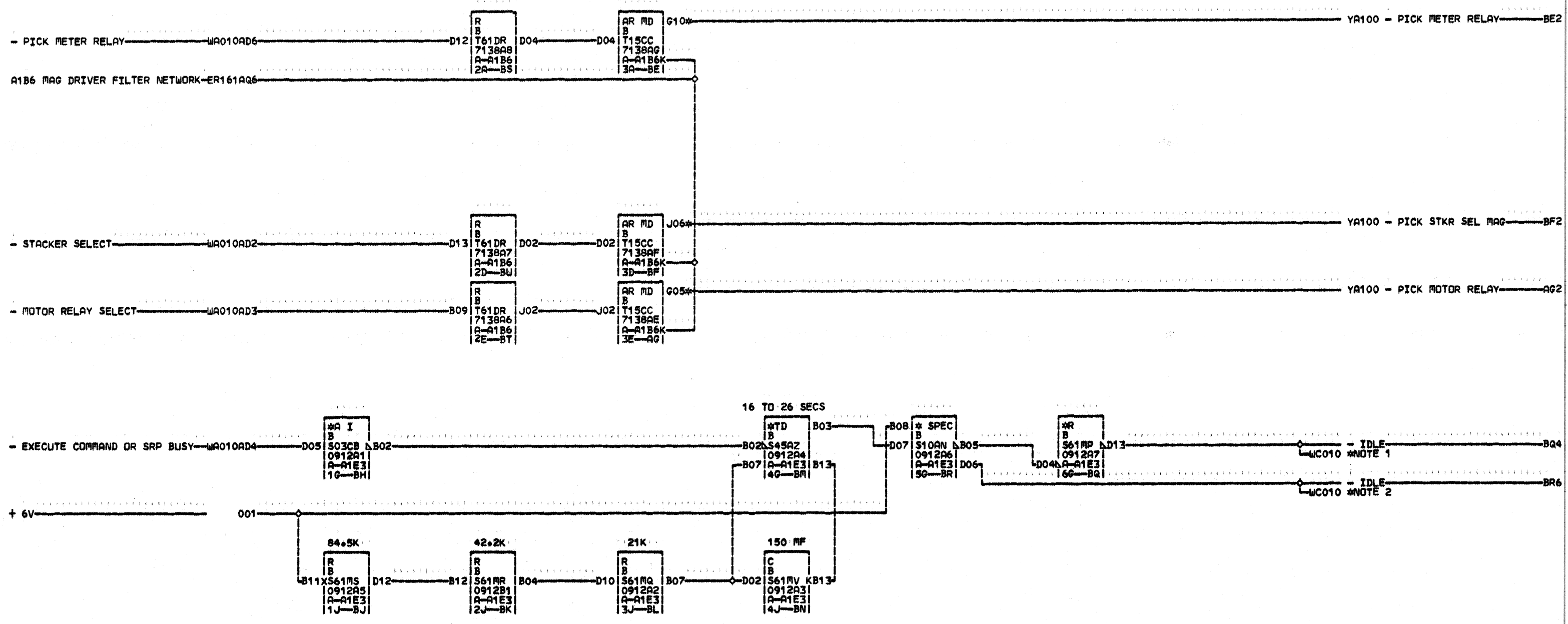
NOTE 1 PUNCH STATION
CONNECTOR POSITIONS PRECEDED
E BY AN S- INDICATES THAT THE
R LETTER FOLLOWING IS ENGRAVED
1 IN LOWER CASE SCRIPT ON THE
6 CONNECTOR FACE

AS4 A-A1E4D09 CH4 A-A1F4D04
AV4 A-A1E4B10
AX4 A-A1E4D10
AZ4 A-A1E4D11
BY4 A-A1F4D11
CB7 A-A1F4D13
CE4 A-A1F4B12
CF4 A-A1F4B13
CG4 A-A1F4D02

LOC. TYPE
A-A1B4 4294
A-A1B6 7138

PUNCH ROW + ECHO 6070809			
ECHO HISTORY		PACH-1442-567	
811290		FRAME	01
811597		IBM CORP. SDD	
DATE	LAST EC	P.N.	648657
03-15-67	812753		

E R 1 6 1
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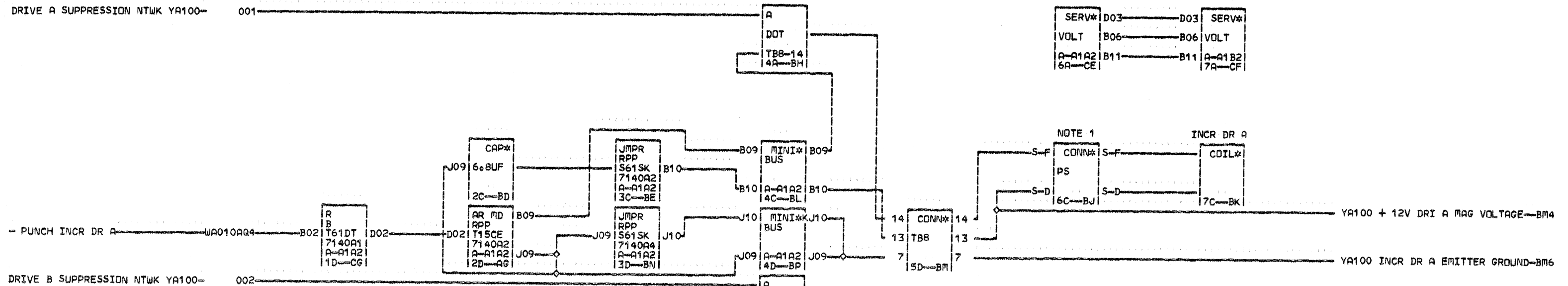
NOTE 1 E3D13 WIRED TO E6B03
WHEN 1442 IS CONNECTED. AG2 A-A1F6D11
TO 1130 OR 1800 SYSTEM. BE2 A-A1F6B10
NOTE 2 E3D06 WIRED TO E6B03 BF2 A-A1F6D09
WHEN 1442 IS CONNECTED
TO 360 SYSTEMS.
E3D06 WIRED TO E3D08
WHEN 1442 IS CONNECTED
TO 1130 OR 1800 SYSTEM.

01-11-66 811290
02-01-66 811597
03-15-67 812753

MOTOR RELAY AND MOTOR HOLD RELAY				E R 1 7 1 000
DATE	08-09-67	MACH.	1442-567	
LOG	D630	FRAME	01	
		P.N.	648658	
IBM CORP.	SDD	BLK.	BV	

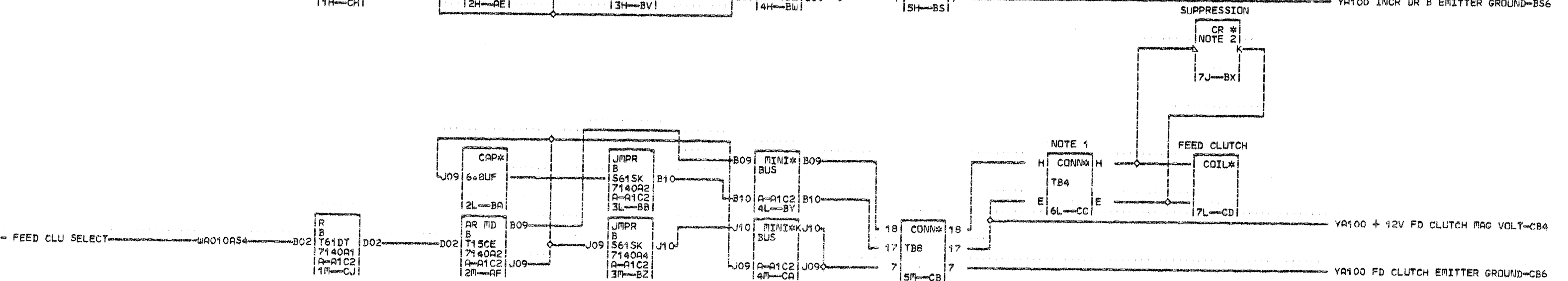
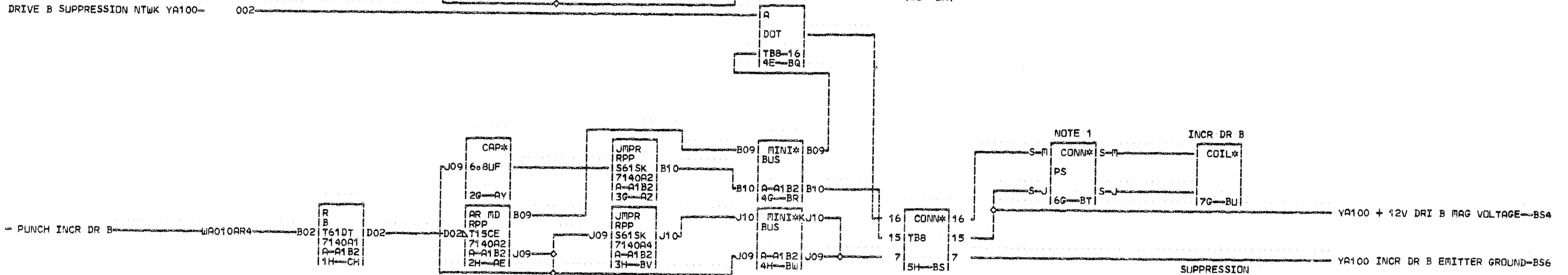
DRIVE A SUPPRESSION NETWORK YA100-

001



DRIVE B SUPPRESSION NETWORK YA100-

002



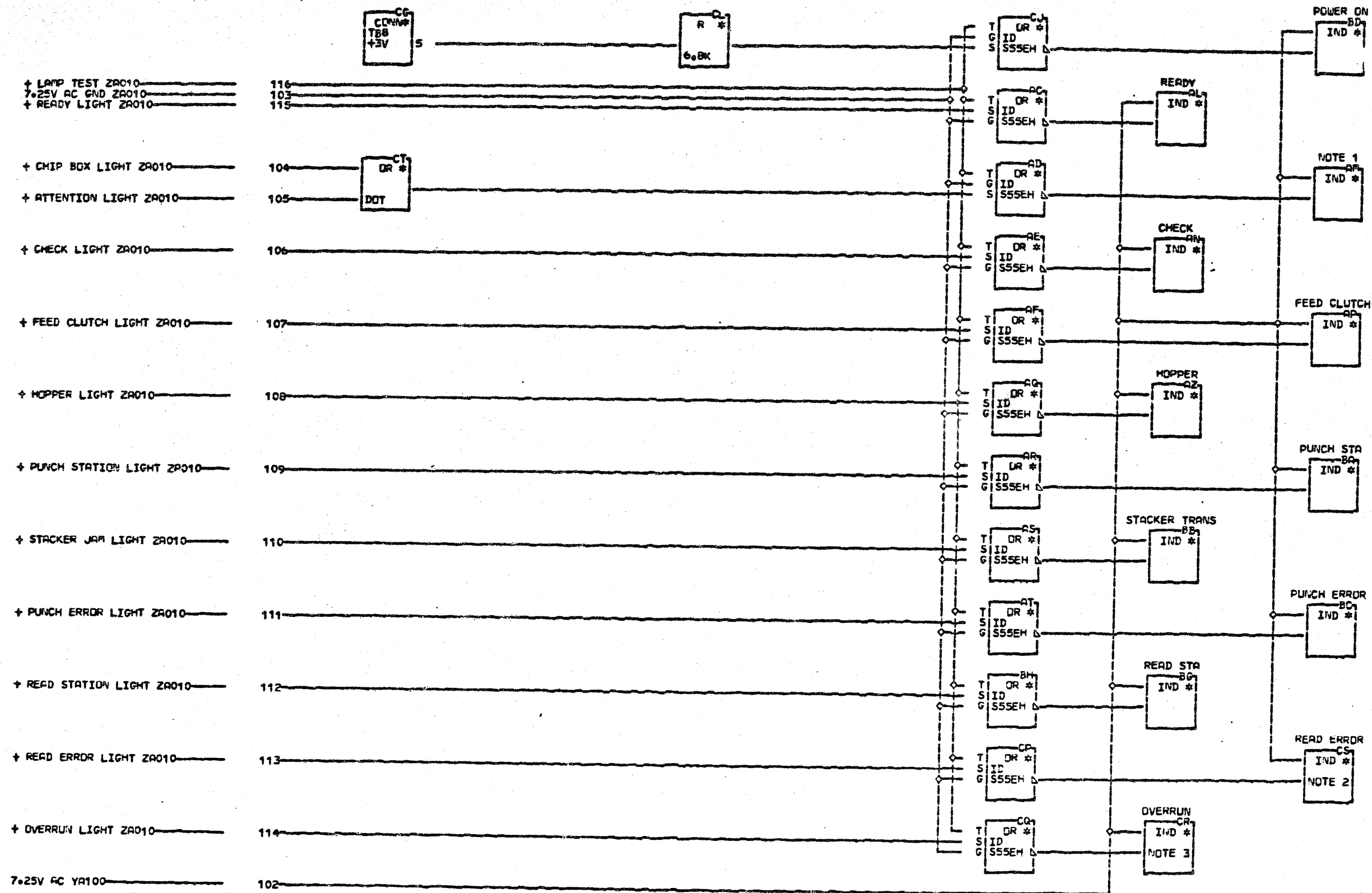
NOTE 1
CONNECTOR POSITIONS PRECEDED
BY AN S- INDICATES THAT THE
LETTER FOLLOWING IS ENGRAVED
1 IN LOWER CASE SCRIPT ON THE
CONNECTOR FACE

NOTE 2
CATHODE PLUGS TO TB4-E
ANODE PLUGS TO TB4-H

01-11-66 811290
03-15-67 812753

INCREMENTAL DRIVE A + B
AND FEED CLUTCH
DATE 08-09-67 MACH. 1442-567
LOG D330 FRAME 01
P.N. 648659

ER
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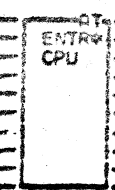
NOTE 1 ATTENTION IND USED
WHEN MACHINE IS ATTACHED TO
E 360 SYSTEMS. CHIP BOX IND
R USED IN CONJUNCTION WITH 1130
1 + 1800 SYSTEMS.
NOTE 2 THIS IND USED ONLY ON
1 1442 6 + 7.25.
NOTE 3 THIS IND USED ONLY
WHEN MACHINE IS ATTACHED TO
1800 SYSTEM.

INDICATORS			
-C-C-HISTORY-		MACH-1442-567	
811290		FRAME 01	
DATE LAST EC		IBM CORP. SDD	
02-01-66 811597		P.O.N. 648660	

ER
191
000

+ READY LIGHT
+ CHECK LIGHT
+ HOPPER LIGHT
+ READ STATION LIGHT
+ PUNCH STATION LIGHT
+ STACKER JAM LIGHT
+ READ ERROR LIGHT
+ PUNCH ERROR LIGHT
+ FEED CLUTCH LIGHT
+ OVERRUN LIGHT

037
038
039
100
101
102
103
104
105
106



2A010 + READY LIGHT
2A010 + CHECK LIGHT
2A010 + HOPPER LIGHT
2A010 + READ STATION LIGHT
2A010 + PUNCH STATION LIGHT
2A010 + STACKER JAM LIGHT
2A010 + READ ERROR LIGHT
2A010 + PUNCH ERROR LIGHT
2A010 + FEED CLUTCH LIGHT
2A010 + OVERRUN LIGHT

- PUNCH MAGNET 12
- PUNCH MAGNET 11
- PUNCH MAGNET 0
- PUNCH MAGNET 1

018
019
020
021



ER141 - PUNCH MAGNET 12
ER141 - PUNCH MAGNET 11
ER141 - PUNCH MAGNET 0
ER141 - PUNCH MAGNET 1

- PUNCH MAGNET 2
- PUNCH MAGNET 3
- PUNCH MAGNET 4
- PUNCH MAGNET 5

022
023
024
025



ER151 - PUNCH MAGNET 2
ER151 - PUNCH MAGNET 3
ER151 - PUNCH MAGNET 4
ER151 - PUNCH MAGNET 5

- PUNCH MAGNET 6
- PUNCH MAGNET 7
- PUNCH MAGNET 8
- PUNCH MAGNET 9

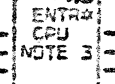
026
027
028
029



ER161 - PUNCH MAGNET 6
ER161 - PUNCH MAGNET 7
ER161 - PUNCH MAGNET 8
ER161 - PUNCH MAGNET 9

+ ATTENTION LIGHT
+ 20 V SWITCH COMMON
+ LAMP TEST

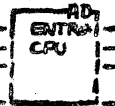
110
111
112



2A010 + ATTENTION LIGHT
2A010 + 20 V SWITCH COMMON
2A010 + LAMP TEST

- STACKER SELECT
- MOTOR RELAY SELECT
- EXECUTE CMD OR SRP BUSY
- NOTE 1
- PICK METER RELAY

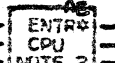
030
031
032
035



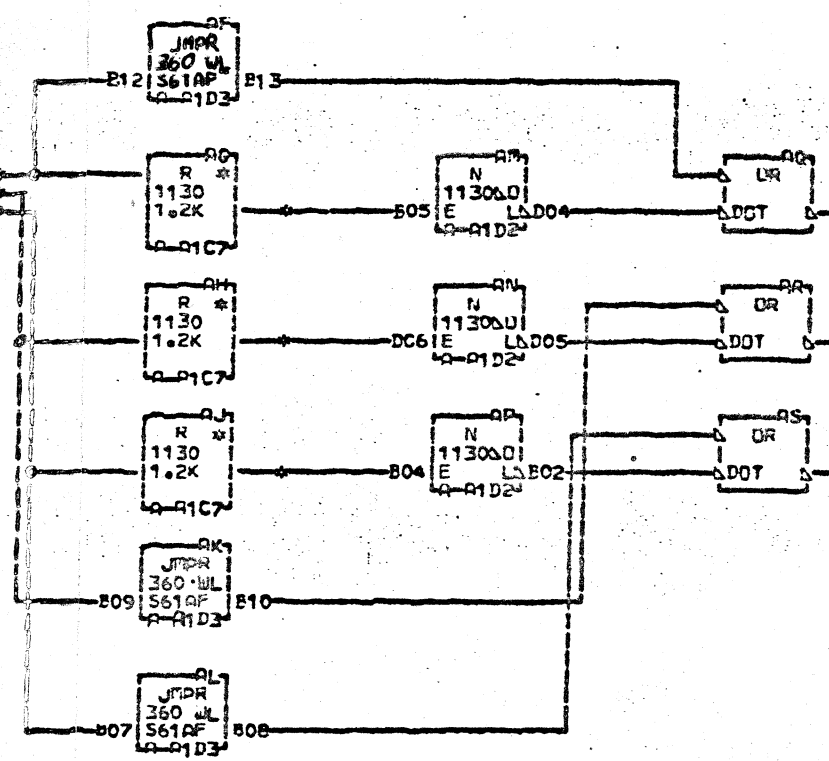
ER171 - STACKER SELECT
ER171 - MOTOR RELAY SELECT
ER171 - EXECUTE COMMAND OR SRP BUSY
ER171 - PICK METER RELAY

PUNCH INCR DR A
PUNCH INCR DR B
FEED CLU SELECT

033
034
035



ER181 - PUNCH INCR DR A
ER181 - PUNCH INCR DR B
ER181 - FEED CLU SELECT



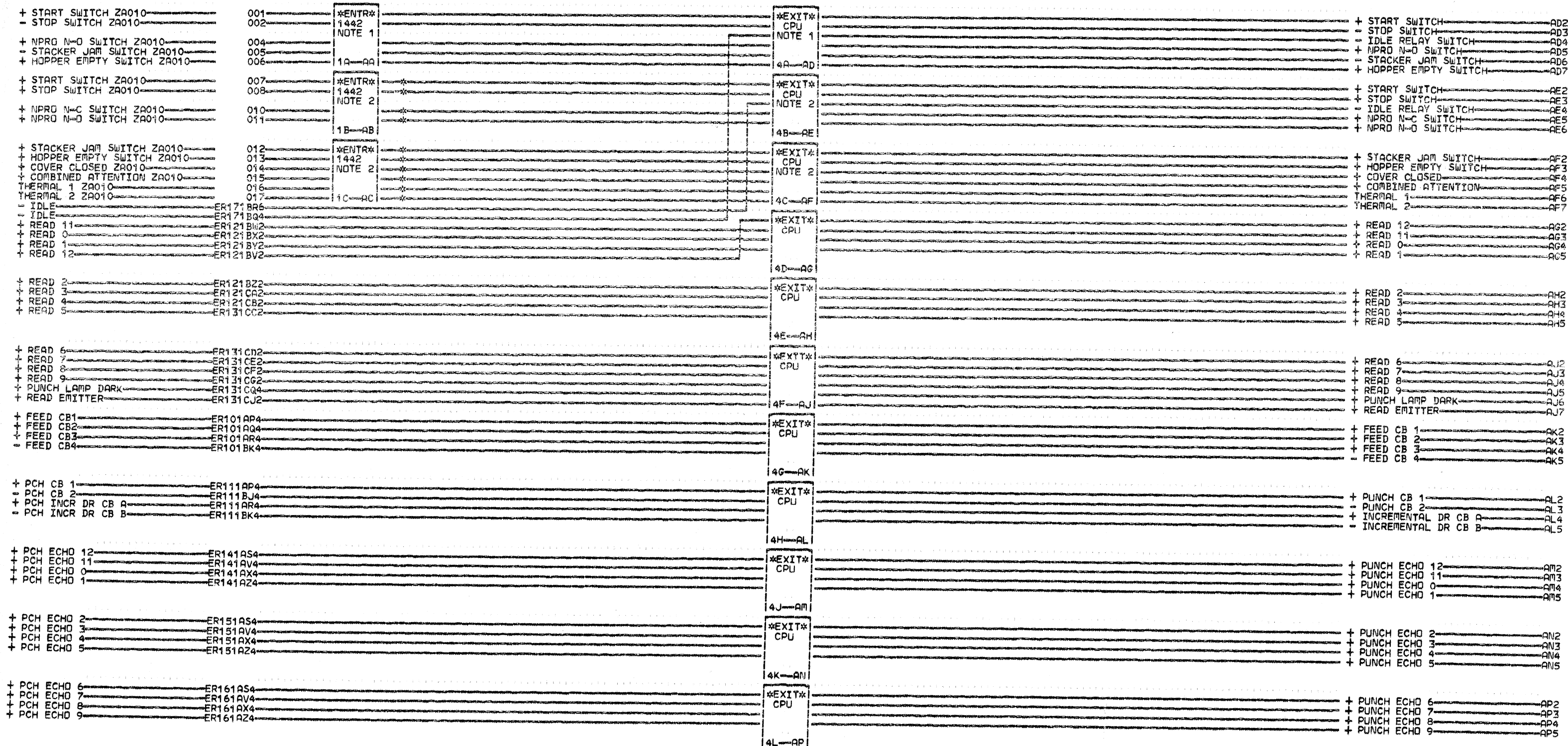
NOTE 1 SIGNAL NAME ON 360 SYSTEMS IS EXECUTE COMMAND. SIGNAL NAME ON 1130 + 1800 SYSTEMS IS SRP BUSY. NOTE 2 INPUT SIGNAL LEVELS ARE PLUS FROM 1130 OR 1800 SYSTEMS AND MINUS FROM 360 SYSTEMS. NOTE 3 THESE SIG ARE PRESENT ONLY WHEN MACHINE IS ATTACHED TO 360 SYSTEM

AA2 A-A1E5B04	AC3 A-A1E5D10	AE3 A-A1E5D02	AT1 A-A1F7B02	01A-A1E7B05	AU3 A-A1F7B10
AA3 A-A1E5B04	AC4 A-A1E5B12	AE4 A-A1C7D07	AT2 A-A1F7B02	01A-A1E7B05	AU4 A-A1E7B10
AA4 A-A1E5B05	AC5 A-A1E5D12	AE5 A-A1E5D13	AT3 A-A1F7B02	01A-A1E7B05	AU5 A-A1E7B10
AA5 A-A1E5B05	AC6 A-A1E5B08	AE6 A-A1C7D10	AT4 A-A1F7B04	01A-A1E7B07	AU6 A-A1E7B13
AA6 A-A1E5B07	AD3 A-A1E5B13	AG4 A-A1C7B07	AT5 A-A1F7B04	01A-A1E7B07	AU7 A-A1E7B13
AA7 A-A1E5B07	AD4 A-A1E5B06	AG5 A-A1C7B10	AT6 A-A1F7B04	01A-A1E7B07	AU8 A-A1E7B13
AA8 A-A1E5B09	AD5 A-A1E5B10	AH4 A-A1C7B12	AT7 A-A1F7B04	01A-A1E7B07	AU9 A-A1E7B13
AA9 A-A1E5B09	AD6 A-A1E5B02	ATO A-A1F7B09	AT8 A-A1F7B04	01A-A1E7B07	AU10 A-A1E7B13
AA10 A-A1E5B10	01A-A1C7D05	01A-A1E7B09	AT9 A-A1F7B05	01A-A1E7B09	

LDC TYPE
A-A1D2 0509
A-A1D3 0036

INCOMING LINES	
E.C. HISTORY	MACH#1442-567
811290	FRAME 01
811597	IBN CORP. SDD
DATE LAST EC	P.N. 648661
03-11-66 811653	

000



NOTE 1 THIS GROUP OF SIGNALS IS USED WITH THE 1130 AND 1800 SYSTEMS. FOR EDGE CONNECTORS C SEE ASSOCIATED SIGNALS IN 0 BLOCKS AB AND AC

NOTE 2 THIS GROUP OF SIGNALS IS USED WITH THE 360 SYSTEM.

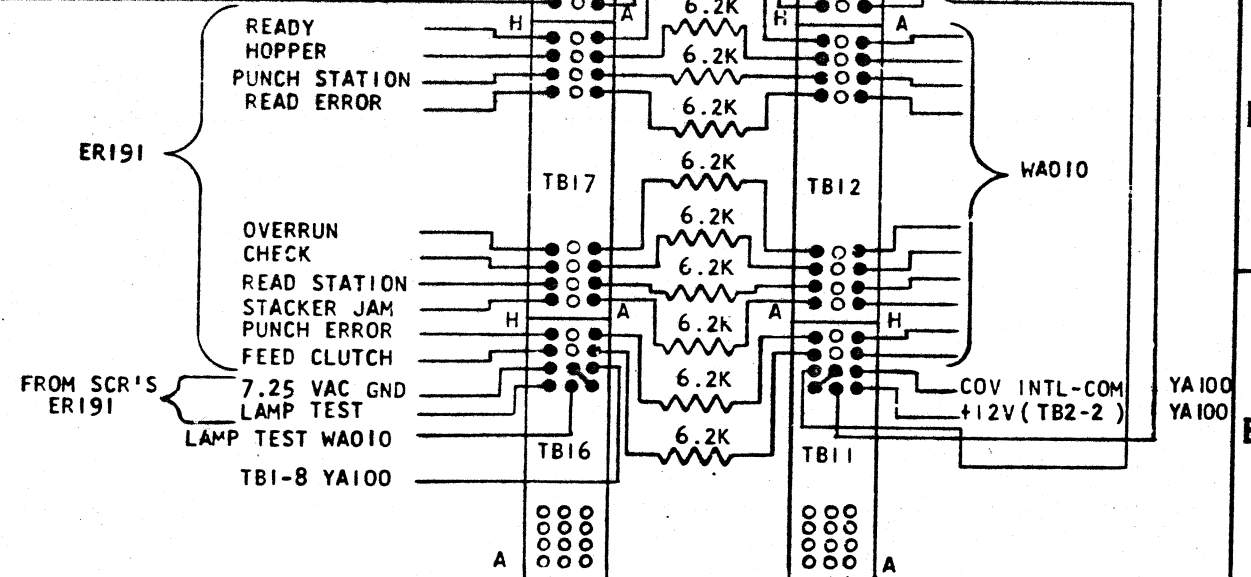
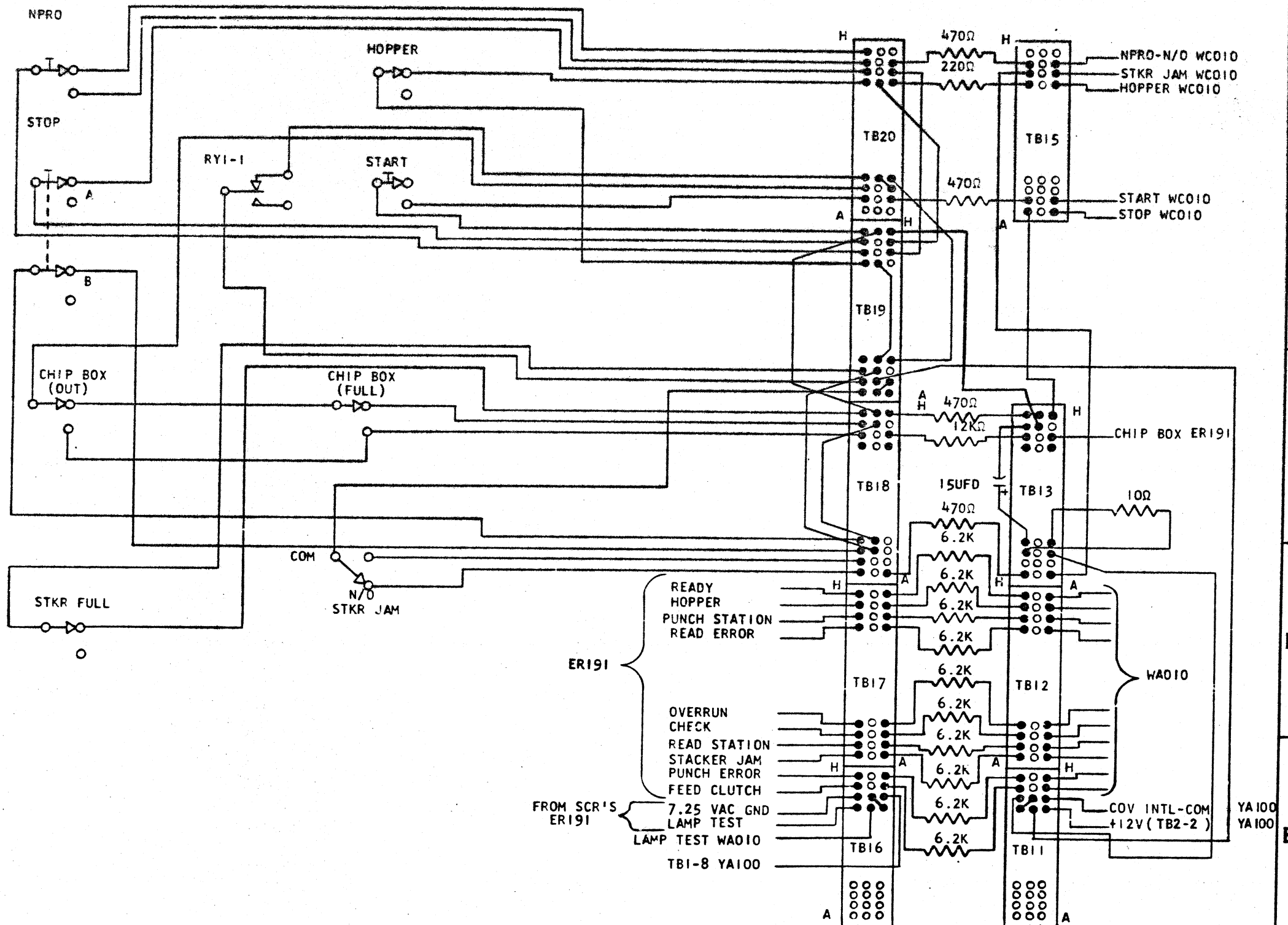
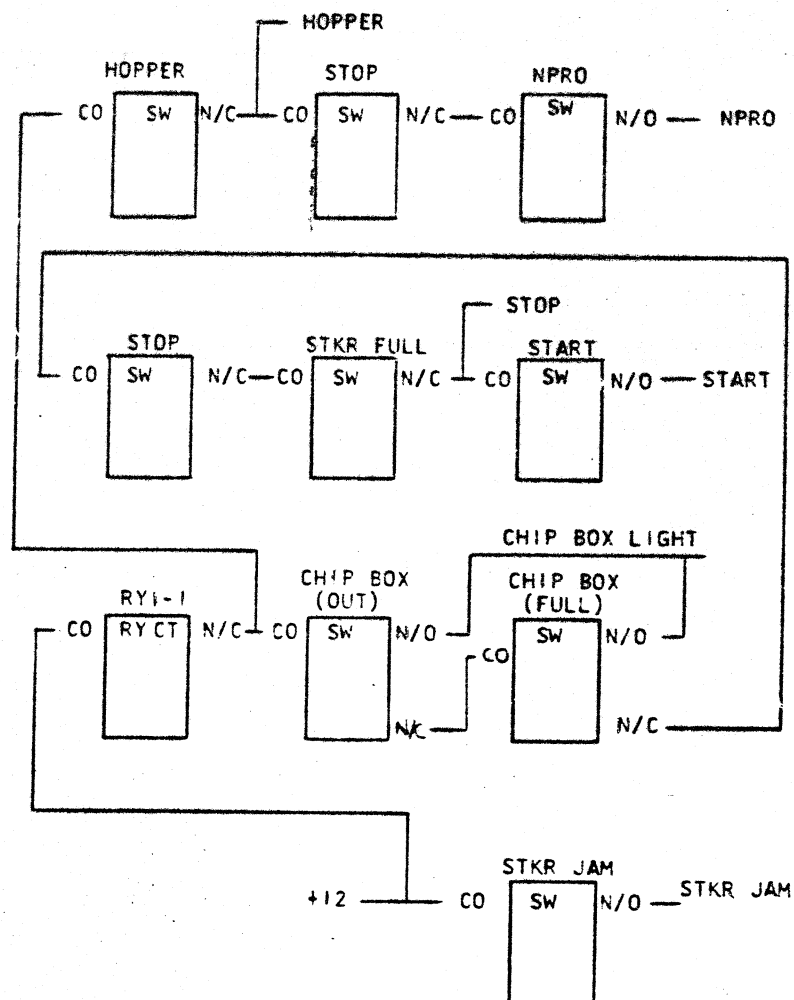
AB2 A-A1E6B02	01A-A1F6B05	AC7 A-A1E6D13
01A-A1F6B02	AC3 A-A1E6D05	01A-A1F6D13
AB3 A-A1E6D02	01A-A1F6D05	
01A-A1F6D02	AC4 A-A1E6B07	
AB5 A-A1E6B04	01A-A1F6B07	
01A-A1F6B04	AC5 A-A1E6D07	
AB6 A-A1E6D04	01A-A1F6D07	
01A-A1F6D04	AC6 A-A1E6D12	
AC2 A-A1E6B05	01A-A1F6D12	

01-11-66 811290
02-01-66 811597
03-15-67 812753

OUTGOING LINES			
DATE	08-09-67	MACH.	1442-567
LOG	D599	FRAME	01
P.N.		648663	
IBM CORP.	SDD BLK.	AQ	

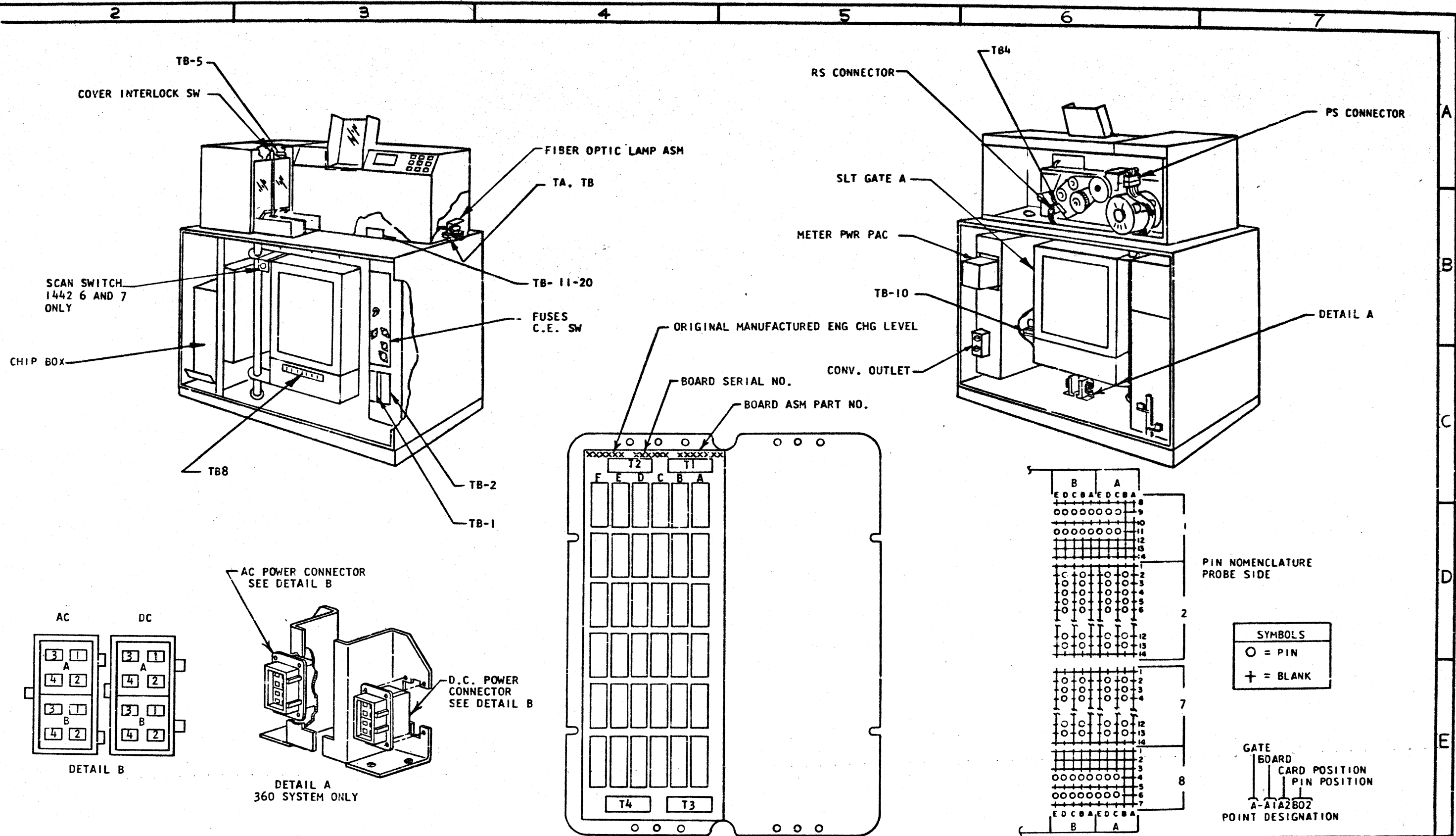
SIMPLIFIED SWITCH DIAGRAM

SWITCHES & LIGHTS 1130-1800 SYSTEM



DATE	EC NUMBER	DATE	EC NUMBER	SWITCHES AND LIGHTS		
1-21-66	811290		812162A	1130-1800		
5-15-66	811597	7-26-67	812753	DATE	P/N	648650
4-21-66	811653				TYPE	1442
7-5-66	812175			IEM ZA010		
2-3-67	812162					

Z
A
O
1
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A
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0



ZZ010

DATE	EC. NUMBER	DATE	EC NUMBER	TERMINAL LOCATIONS		
1-21-66	811290					
3-15-66	811597			DATE	P/N	648641
9-14-67	814372				TYPE	
ZZ010						

ZZ010

2

3

4

5

6

7

(FROM RS CONNECTOR)
A-AIF2

B			D		
PIN	SIGNAL NAME	LOCATION	PIN	SIGNAL NAME	LOCATION
02	READ 12	ER121	02	READ 11	ER111
03	READ 1	ER121	03		
04	READ 3	ER121	04	READ 0	ER121
05	READ 5	ER131	05	READ 2	ER121
06			06	READ 4	ER121
07	READ 6	ER131	07	+3V PHOTO TSTR	ER131
08	READ 8	ER131	08	FEED CB COM	ER101
09	PCH LAMP DARK	ER131	09	READ 7	ER131
10	READ 9	ER131	10	READ EMITTER	ER131
11			11		
12	FEED CB 1	ER101	12	FEED CB 3	ER101
13	FEED CB 2	ER101	13	FEED CB 4	ER101

(READ 11 AND PUNCH LAMP DARK ARE ONLY SIGNALS
PRESENT ON 1442-5)(FROM PS CONNECTOR)
A-AIF3

B			D		
PIN	SIGNAL NAME	LOCATION	PIN	SIGNAL NAME	LOCATION
02			02		
03			03		
04			04		
05			05	PCH INC DR CB A	ER111
06			06	PCH INC DR CB B	ER111
07			07	PCH CB 1	ER111
08			08	INC DR & PCH CB COM	ER111
09			09	PCH CB 2	ER111
10			10		
11			11		
12			12		
13			13		

(FROM PS CONNECTOR)
A-AIF4

B			D		
PIN	SIGNAL NAME	LOCATION	PIN	SIGNAL NAME	LOCATION
02	PUNCH MAG 12	ER141	02	PUNCH MAG 8	ER161
03	PUNCH MAG 11	ER141	03		
04	PUNCH MAG 0	ER141	04	PUNCH MAG 9	ER161
05	PUNCH MAG 1	ER141	05		
06			06		
07	PUNCH MAG 2	ER151	07		
08	PUNCH MAG 3	ER151	08		
09	PUNCH MAG 4	ER151	09		
10	PUNCH MAG 5	ER151	10	+12V	ER141
11			11	+12V	ER161
12	PUNCH MAG 6	ER161	12	+12V	ER141
13	PUNCH MAG 7	ER161	13	+12V	ER161

(PULSE SCAN SWITCH) 1442-6 AND 7 ONLY
A-AIF5

B			D		
PIN	SIGNAL NAME	LOCATION	PIN	SIGNAL NAME	LOCATION
02	READ 11		02	READ 12	
03	READ 1		03		
04	READ 3		04	READ 2	
05	READ 5		05	READ 4	
06			06	READ 6	
07	READ 8		07	READ 7	
08	READ 9		08		
09	READ EMITTER		09	PCH LAMP DARK	
10	FEED CB 2		10	FEED CB 1	
11			11	PCH CB 1	
12			12	READ 0	
13			13		

A-AIF6

B			D		
PIN	SIGNAL NAME	LOCATION	PIN	SIGNAL NAME	LOCATION
02	START SW	WCO10	02	STOP SW	WCO10
03			03		
04	NPRO N/C SW	WCO10	04	NPRO N/O SW	WCO10
05	STKR JAM SW	WCO10	05	HOPPER EMPT SW	WCO10
06			06	+20V COMM	WAO10
07	CVR CLOSED	WCO10	07	ATT SW	WCO10
08			08		
09			09	PICK STKR SEL MAG	ER171
10	PICK METER RLY	ER171	10		
11			11	PICK MTR RLY	ER171
12			12	THERMAL 1	WCO10
13	LAMP TEST	WAO10	13	THERMAL 2	WCO10

A-AIF7

B			D		
PIN	SIGNAL NAME	LOCATION	PIN	SIGNAL NAME	LOCATION
02	+ READY LIGHT	WAO10	02	+ CHECK LIGHT	WAO10
03			03		
04	+ HOPPER LIGHT	WAO10	04	+ READ STA LIGHT	WAO10
05	+ PCH STA LIGHT	WAO10	05	+ STACKER JAM LIGHT	WAO10
06			06		
07	+ READ ERROR LIGHT	WAO10	07	+ PCH ERROR LIGHT	WAO10
08			08		
09	+ OVERRUN LIGHT	WAO10	09	+ FEED CLU LIGHT	WAO10
10	+ ATTENTION LIGHT	WAO10	10		
11			11		
12			12		
13			13		

DATE	EC NUMBER	DATE	EC NUMBER	EDGE CONNECTOR			
1-21-66	811290			SIGNALS			
3-15-66	811597			DATE		P/N	648646
4-21-66	811653					TYPE	1442
7-26-67	812753			IBM			
9-14-67	814372			ZZ012			

A-AIE2					
B			D		
PIN	SIGNAL NAME	LOCATION	PIN	SIGNAL NAME	LOCATION
02	+ READ 12	ER121	02		
03	+ READ 9	ER121	03		
04	+ READ 1	ER121	04	+ READ 2	ER121
05	+ READ 3	ER121	05	+ READ 4	ER121
06			06	+ READ 5	ER131
07	+ READ 6	ER131	07	+ READ 7	ER131
08	+ READ 8	ER131	08		
09	+ READ 9	ER131	09	+ READ EMITTER	ER131
10			10		
11			11		
12			12		
13			13		

(THE ABOVE SIGNALS ARE NOT PRESENT ON THE 1442-5)

A-AIE3					
B			D		
PIN	SIGNAL NAME	LOCATION	PIN	SIGNAL NAME	LOCATION
02			02		
03			03		
04			04		
05			05		
06			06		
07			07		
08			08		
09			09		
10			10		
11			11		
12			12		
13			13		

A-AIE4					
B			D		
PIN	SIGNAL NAME	LOCATION	PIN	SIGNAL NAME	LOCATION
02	- PCH CB2	ER111	02	+ PCH LAMP DARK	ER131
03	+ READ 11	ER121	03		
04	+ PCH CB1	ER111	04	+ PCH ECHO 12	ER141
05	+ PCH ECHO 11	ER141	05	+ PCH ECHO 0	ER141
06			06	+ PCH ECHO 1	ER141
07	+ PCH ECHO 2	ER151	07	+ PCH ECHO 3	ER151
08	+ PCH ECHO 4	ER151	08		
09	+ PCH ECHO 5	ER151	09	+ PCH ECHO 6	ER161
10	+ PCH ECHO 7	ER161	10	+ PCH ECHO 8	ER161
11			11	+ PCH ECHO 9	ER161
12	+ FEED CB1	ER101	12	+ FEED CB3	ER101
13	+ FEED CB2	ER101	13	- FEED CB4	ER101

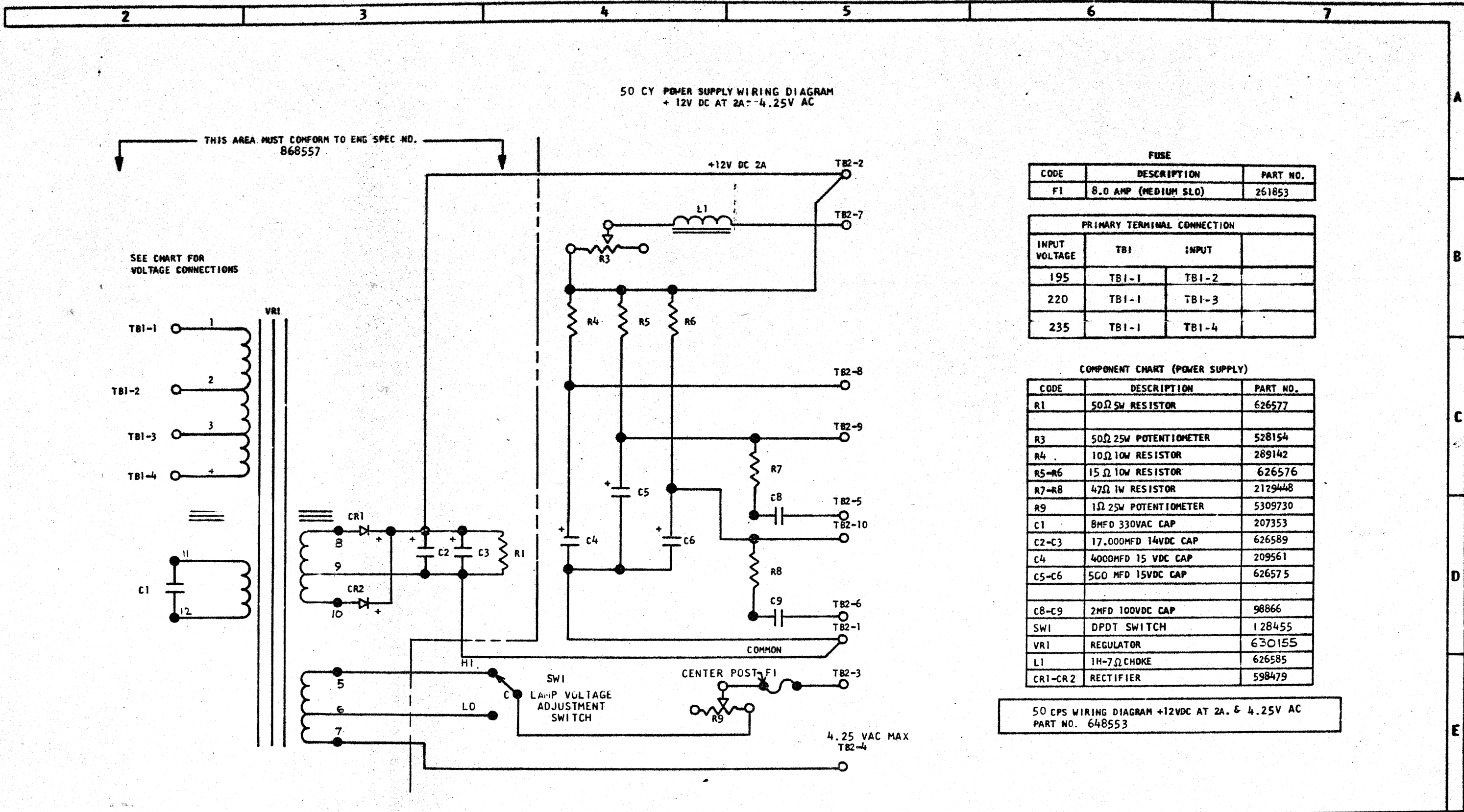
A-AIE5					
B			D		
PIN	SIGNAL NAME	LOCATION	PIN	SIGNAL NAME	LOCATION
02	(1) PCH INC DR A	WAO10	02	(1) PCH INC DR B	WAO10
03	+ PCH INC DR CBA	WCO10	03		
04	- PCH MAG 12	WAO10	04	- PCH MAG 11	WAO10
05	- PCH MAG 0	WAO10	05	- PCH MAG 1	WAO10
06			06	(7) EXECUTE COMD	WAO10
07	- PCH MAG 2	WAO10	07	- PCH MAG 3	WAO10
08	(2) -STKR SEL	WAO10	08		
09	- PCH MAG 4	WAO10	09	- PCH MAG 5	WAO10
10	- PCH MAG 6	WAO10	10	- PCH MAG 7	WAO10
11			11	- PCH INC DR CB B	WCO10
12	- PCH MAG 8	WAO10	12	- PCH MAG 9	WAO10
13	- MOTOR RLY SEL	WAO10	13	(1) FEED CLU SEL	WAO10

A-AIE6					
B			D		
PIN	SIGNAL NAME	LOCATION	PIN	SIGNAL NAME	LOCATION
02	+ START SW	WCO10	02	(3) STOP SW	WCO10
03	- IDLE RLY SW	WCO10	03		
04	(4) +NPRO N/C SW	WCO10	04	+ NPRO N/O SW	WCO10
05	(3) STRK JAM SW	WCO10	05	+ HOPPER EMT SW	WCO10
06			06	(4) +20V SW COM	WAO10
07	(4) +COV CLOSED SW	WCO10	07	(4) +COMB ATN	WCO10
08			08		
09			09		
10	-PICK METER RLY	WAO10	10		
11			11		
12			12	(4) THERMAL 1	WCO10
13	(4) +LAMP TEST	WAO10	13	(4) THERMAL 2	WCO10

A-AIE7					
B			D		
PIN	SIGNAL NAME	LOCATION	PIN	SIGNAL NAME	LOCATION
02	+ READY LIGHT	WAO10	02	+ CHECK LIGHT	WAO10
03			03		
04	+ HOPPER LIGHT	WAO10	04	+ READ STA LIGHT	WAO10
05	+ PCH STA LIGHT	WAO10	05	+ STACKER JAM LIGHT	WAO10
06			06		
07	(5) +RD ERROR LIGHT	WAO10	07	+ PCH ERROR LIGHT	WAO10
08			08		
09	(6) +OVERRUN LIGHT	WAO10	09	+ FEED CLU LIGHT	WAO10
10	(4) + ATN LIGHT	WAO10	10		
11			11		
12			12		
13			13		

- 1 THESE SIGNALS ARE (+) WHEN MACHINE IS ATTACHED TO AN 1130 OR 1800 SYSTEM AND (-) WHEN ATTACHED TO A 360 SYSTEM.
- 2 THIS SIGNAL USED ONLY WHEN MACHINE IS A READER PUNCH
- 3 THESE SIGNALS ARE (-) WHEN MACHINE IS ATTACHED TO AN 1130 OR 1800 SYSTEM AND (+) WHEN ATTACHED TO A 360 SYSTEM.
- 4 THESE SIGNALS ARE PRESENT ONLY WHEN MACHINE IS ATTACHED TO A 360 SYSTEM.
5. THIS SIGNAL NOT PRESENT WHEN MACHINE IS A PUNCH ONLY
- 6 THIS SIGNAL USED ONLY WHEN MACHINE IS ATTACHED TO AN 1800 SYSTEM
- (7) THIS SIGNAL IS CALLED SRP BUSY ON 1130 AND 1800 SYSTEMS

DATE	EC NUMBER	DATE	EC NUMBER	INTERFACE SIGNALS	
1-21-66	811290			DATE	P/N 648647
3-15-66	811597				TYPE 1442
4-21-66	811653				
2-3-67	812162			IBM Z2014	



FUSE		
CODE	DESCRIPTION	PART NO.
F1	8.0 AMP (MEDIUM SLO)	261853

PRIMARY TERMINAL CONNECTION			
INPUT VOLTAGE	TBI	INPUT	
195	TBI-1	TBI-2	
220	TBI-1	TBI-3	
235	TBI-1	TBI-4	

COMPONENT CHART (POWER SUPPLY)		
CODE	DESCRIPTION	PART NO.
R1	50Ω 5W RESISTOR	626577
R3	50Ω 25W POTENTIOMETER	528154
R4	10Ω 10W RESISTOR	289142
R5-R6	15Ω 10W RESISTOR	626576
R7-R8	47Ω 1W RESISTOR	2129448
R9	1Ω 25W POTENTIOMETER	5309730
C1	8MFD 330VAC CAP	207353
C2-C3	17.000MFD 14VDC CAP	626589
C4	4000MFD 15 VDC CAP	209561
C5-C6	500 MFD 15VDC CAP	626575
C8-C9	2MFD 100VDC CAP	98866
SW1	DPDT SWITCH	128455
VR1	REGULATOR	630155
L1	1H-7Ω CHOKE	626585
CR1-CR2	RECTIFIER	598479

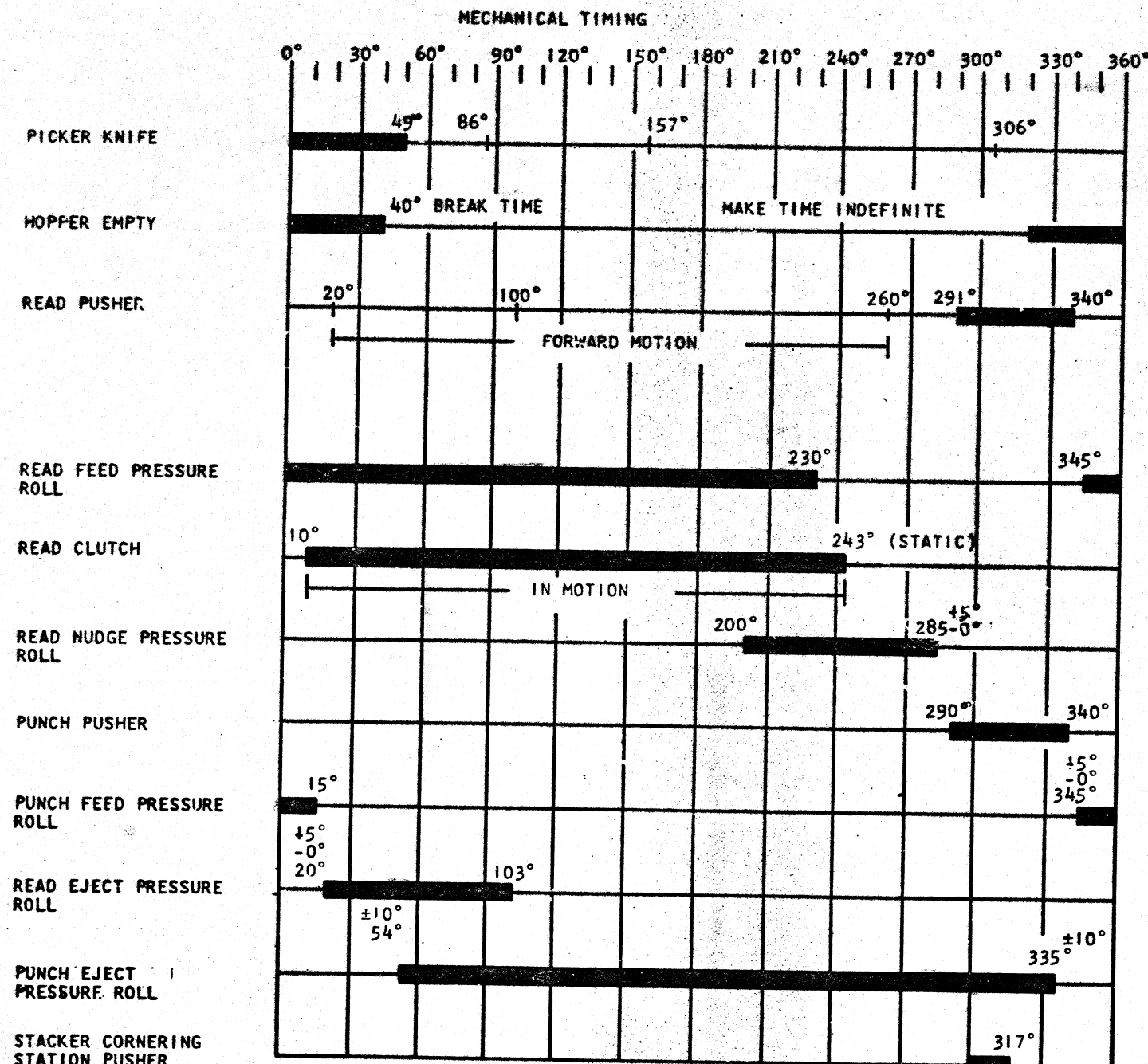
50 CPS WIRING DIAGRAM +12VDC AT 2A. & 4.25V AC
PART NO. 648553

DATE	EC NUMBER	DATE	EC NUMBER	POWER SUPPLY WIRING	
6-4-65	809850J			DIAGRAM	
7-22-65	810727			DATE	P/N 648553
6-10-65	807699			REV 2-2-65	TYPE 1442
2-3-67	812162			IBM	RP014

RP014

PRINT TO ENG SPEC. 895291 (11 X 17)

MECHANICAL AND FEED TIMING CHART



NOTE 1 - LENGTH OF FEED CB(S):
 1442-N .8 TO 1.1MS
 1442-5 & 7 1.8 TO 2.2MS
 1442-6 2.5 TO 3.1MS

DARK LINES INDICATE
 CARD CONTACT EXCEPT READ
 CLUTCH WHICH INDICATES
 OPERATE TIME ONLY

READ EMITTER
 (NOTE XI)

FEED CB-1 NOTE I

FEED CB-2 NOTE I

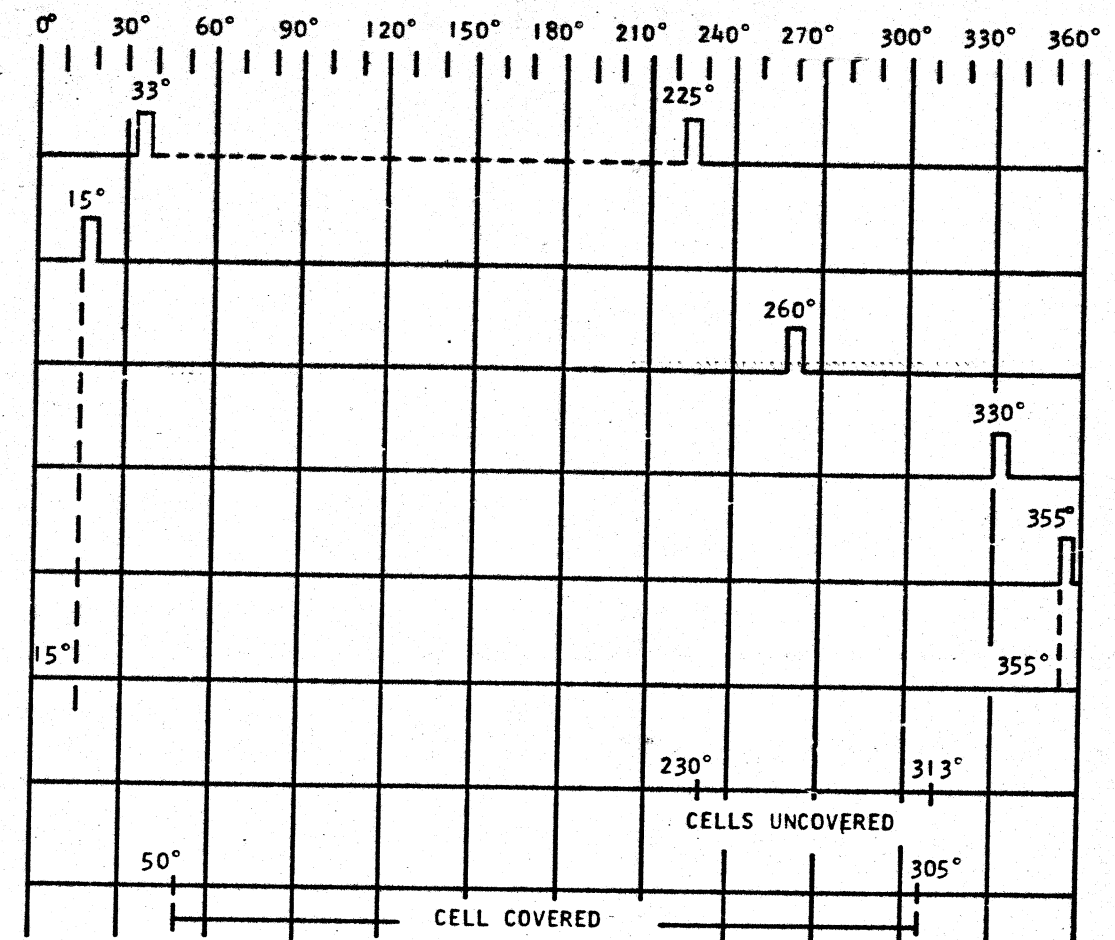
FEED CB-3 NOTE I

FEED CB-4 NOTE I

FEED INTERLOCK
 NOTE XII

READ LIGHT CHECK

PUNCH CARD LEVER



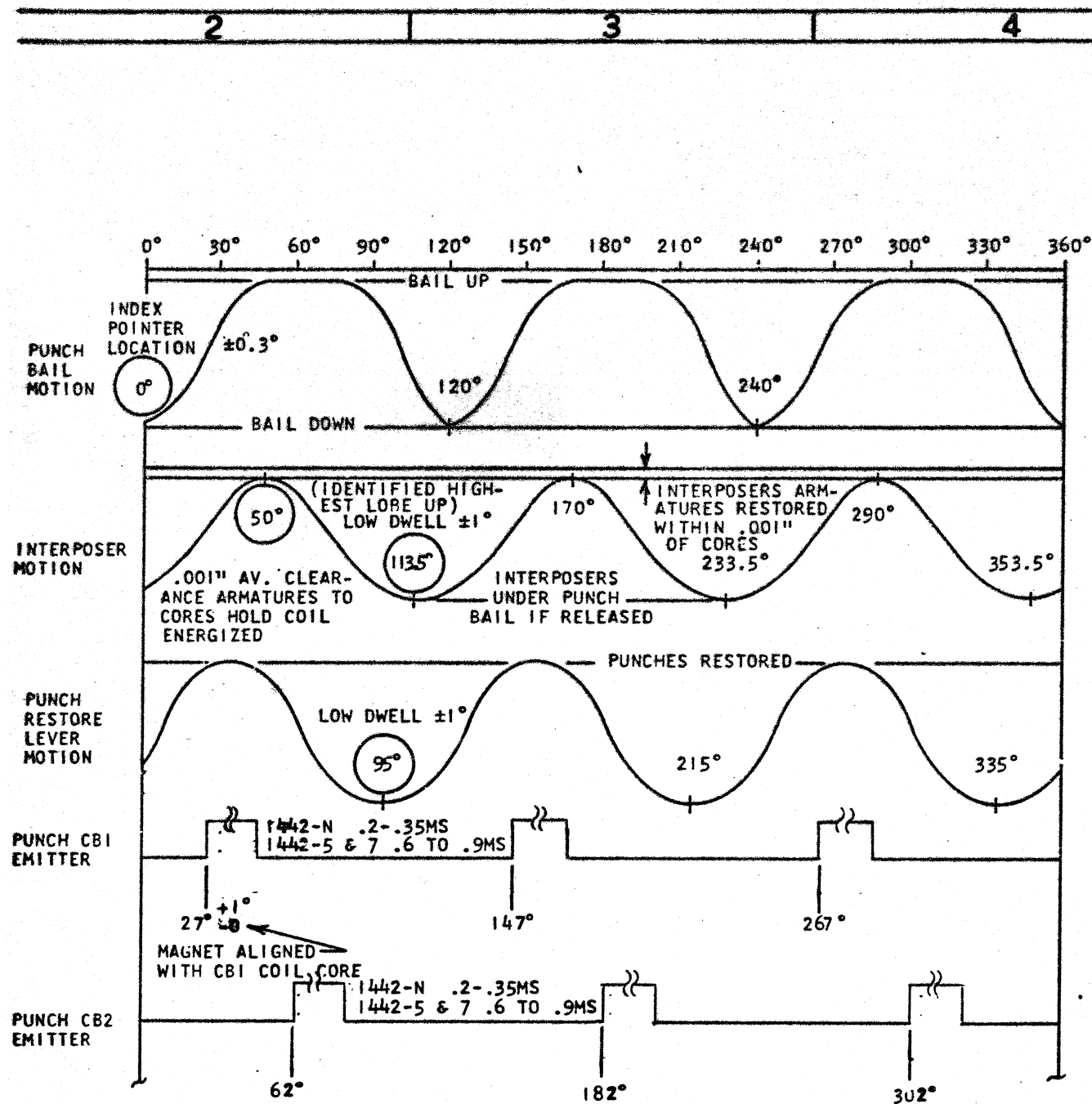
NOTES

X TOLERANCE TO ±5° UNLESS
 OTHERWISE SPECIFIED

XI NOT APPLICABLE TO 1442-5

XII NOT APPLICABLE TO 1442-5, 6&7

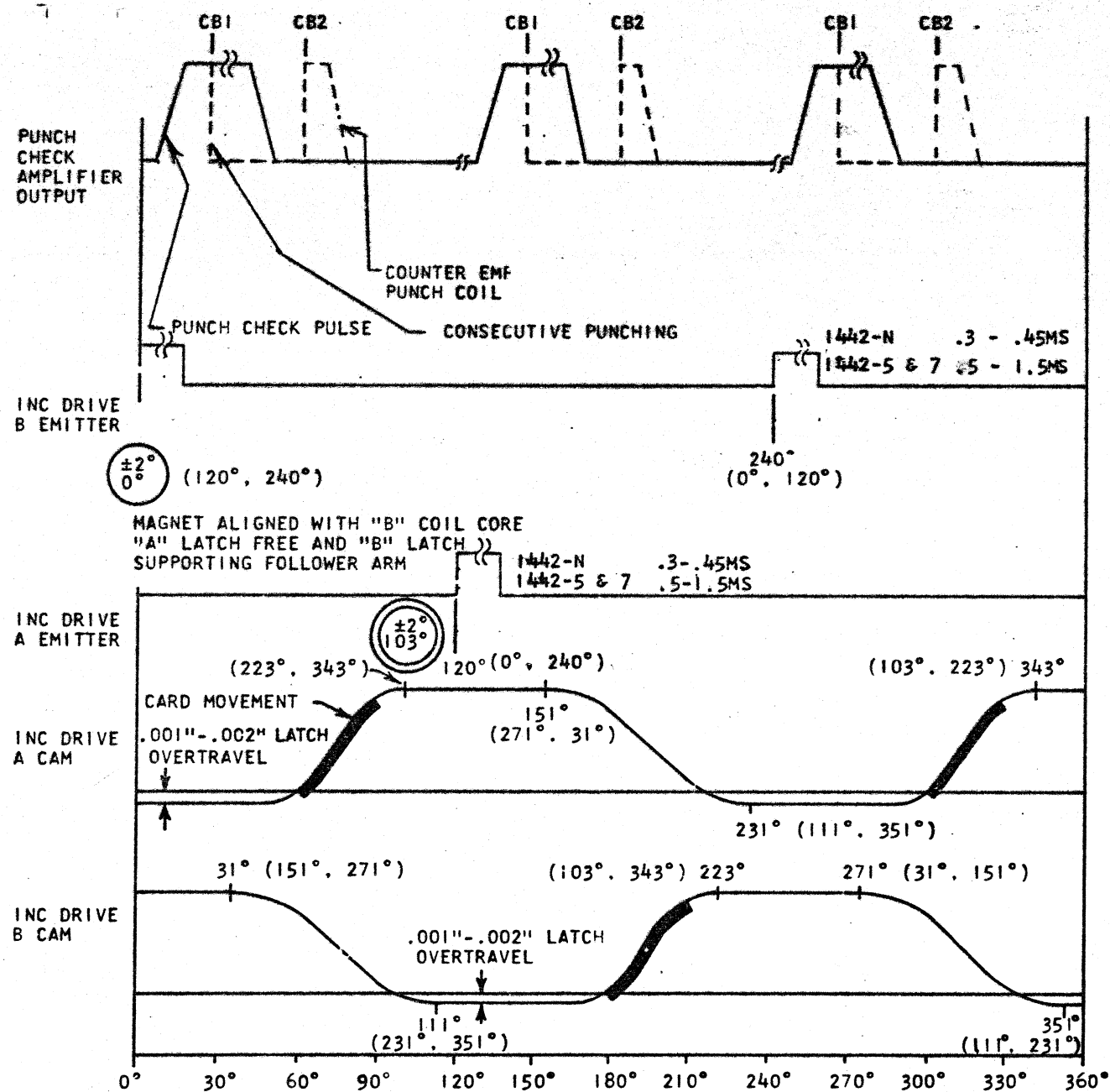
DATE	EC NUMBER	DATE	EC NUMBER	MECHANICAL AND FEED TIMING		
4-6-65	809850E			DATE	PVN	648604
6-21-65	807696			12-15-65	11-1-65	TYPE 1442
12-15-65	811261			IDM TC001		
9-8-66	812198					



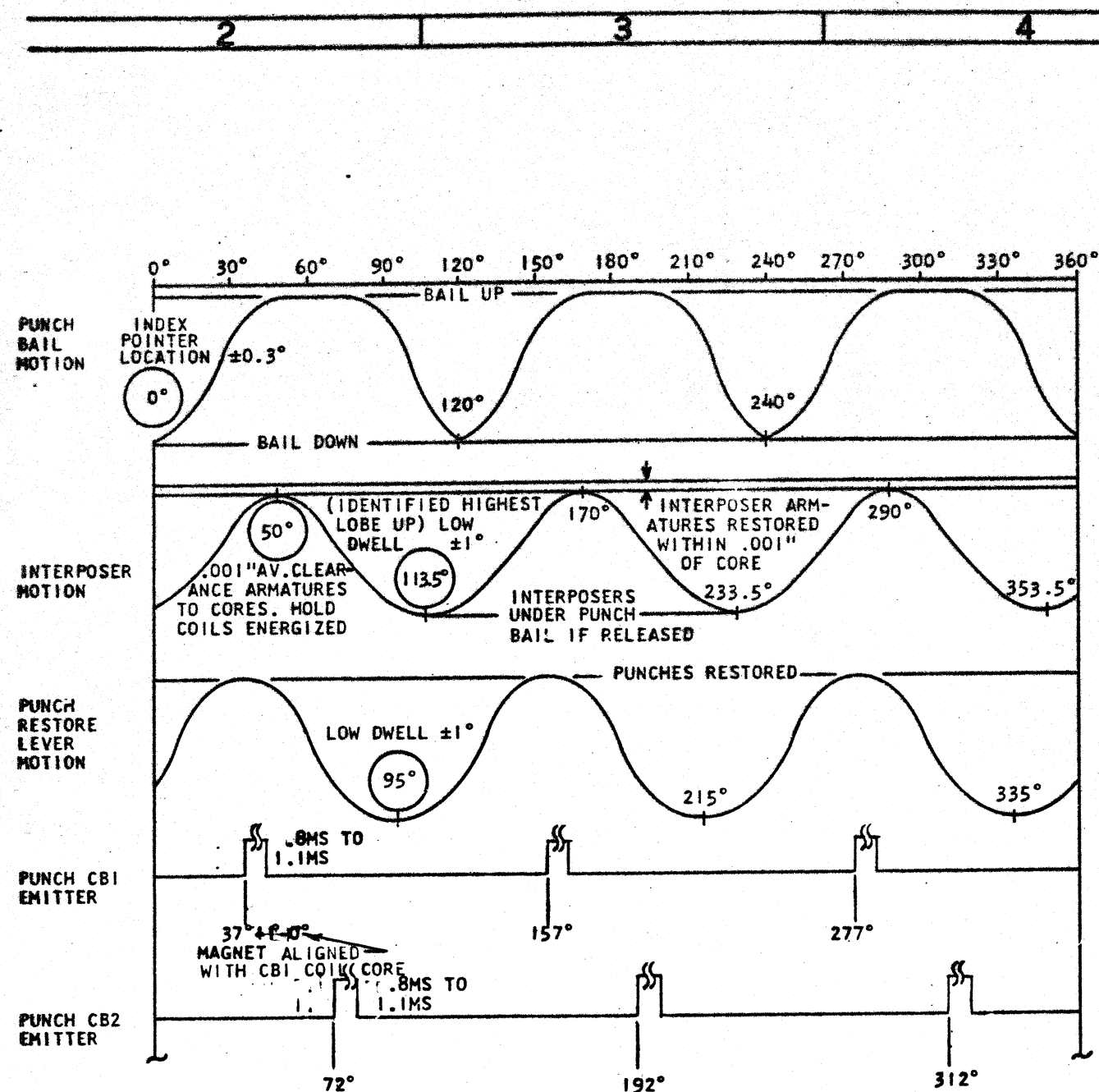
○ PUNCH INDEX READING WITH TIMING PIN IN PUNCH CAM SHAFT TIMING DISK

⊙ RESULTANT PUNCH INDEX READING WITH TIMING PIN IN INCREMENTAL DRIVE TIMING HOLE

NOTE: DEGREE READINGS WITHOUT TOLERANCES FOR REFERENCE ONLY



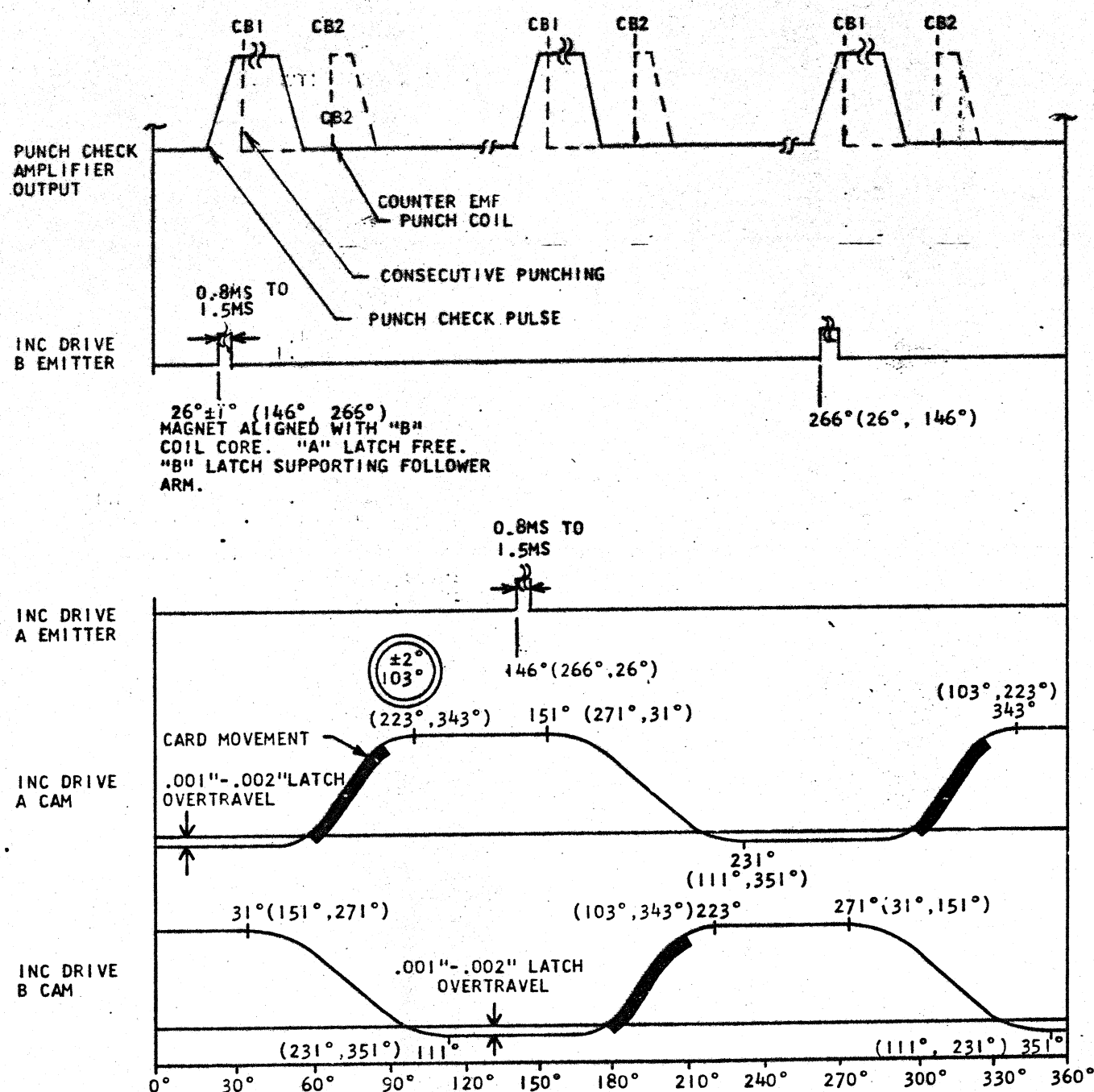
DATE	EC NUMBER	DATE	EC NUMBER	PUNCH UNIT TIMING	
3-30-65	809850A	1-5-68	814753	160 COL/SEC	
4-8-65	809445			DATE 3-30-65	PWN 648606
10-4-65	811074A				TYPE 1442
5-4-66	812160			IBM	
9-8-66	812198			TC002	



○ PUNCH INDEX READING WITH TIMING PIN IN PUNCH CAM SHAFT TIMING DISK

⊙ RESULTANT PUNCH INDEX READING WITH TIMING PIN IN INCREMENTAL DRIVE TIMING HOLE

NOTE
 DEGREE READINGS WITHOUT TOLERANCES FOR REFERENCE ONLY



DATE	EC NUMBER	DATE	EC NUMBER	PUNCH UNIT TIMING	
3-30-65	809850A	1-5-68	814753	80 COL/SEC	
4-8-65	809445			DATE 3-30-65	648605
10-4-65	811074A			TYPE	1442
7-5-66	812175			IBM TC003	
9-8-66	812198				

