

B 700 SYSTEMS

Serial No. _____

Burroughs

SSG

**FIELD TEST
AND
REFERENCE DOCUMENT**

2604 9999

SL 38

CONTROLLERS AND OPTIONS



PROPERTY OF AND TO BE RETURNED TO

Burroughs

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2604 9999

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 2. See Pages 330-335 for sequential numeric index of all documents in this FT&R manual.

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80 COL. CARD READER CONTROL B111			
1	1448 0354	WIRE LIST	H
2	1447 8408	LOGIC DIAG., CR1	G
4	1447 8416	" " CR2	G
6	1447 8424	" " CR3	K
8	1448 8217	" " CR4	E
10	2606 9575	WIR. DIAG., CR	A
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18	1449 5188	" " CRT2	C
21	1449 5212	" " CRT3	H
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26	2606 9583	WIR. DIAG., CRT	A
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34	1448 8266	LOGIC DIAG., RC1	E
35	1447 8358	" " RC2	N
37	1448 8274	" " RC3	E
39	1448 8308	" " RC4	D
41	2606 9658	WIRE. DIAG., RC	A
43	2606 3966	FII, RC	B

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47	2605 9790	WIRE LIST	B
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52	2605 8990	" " CS2	B
55	2605 9022	" " CS3	D
58	2605 9055	" " CS4	DE
61	2606 9591	WIRE. DIAG., CS	A
62A	2846 2943	FII, CS	A
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63	1448 7052	LOGIC DIAG., DC1	H
65	1447 8291	" " DC2	R
68	1447 8051	" " DC3	N
70	1448 7045	" " DC4	C
72	2606 9609	WIR. DIAG., DC	A
74	2606 3990	FII, DC	B
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76	2603 9651	LOGIC DIAG., MX1	A
78	2603 9685	" " MX2	B
80	2603 9727	" " DX	B
81	2606 4006	FII, MX	A
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83	2606 3610	WIRE LIST	C
84	2605 1102	LOGIC DIAG., DEK1	D

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93	2605 1169	" " DEK3	B
96	2605 1193	" " DEK4	A
98	2606 4584	FII, DEK	A
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101	1449 5360	WIRE LIST	B
102	1449 4363	LOGIC DIAG., LC1	B
103	1449 4397	" " LC2	B
105	1449 4421	" " LC3	E
107	1449 4454	" " LC4	D
110	1449 4488	" " LC5	A
112	2608 3410	" " LC5	B
114	1449 3241	" " LC6	B
116	1449 4512	" " LC7	A
118	2608 3444	" " LC7	A
120	1449 3183	" " LC8	C
123	2606 9617	WIR. DIAG., LC	A
127	2606 2992	SCH., MTR	A
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149	1448 1709	" " PO2	F
151	1448 1717	" " PO3	A

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154	1449 3670	CONVERSION INSTRUCTIONS	-
155	2606 3933	FII, PO	B
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158	1448 0412	WIRE LIST	E
159	1448 0099	LOGIC SHC., PP2	E
160	1448 0107	" " PP3	D
163	1448 0115	" DIAG., PP4	E
165	2606 9633	WIR. DIAG., PP	A
167	2606 3958	FII, PP	B
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169	1448 0370	WIRE LIST	-
170	1447 8473	LOGIC DIAG., PT1	B
172	1447 9281	" " PT2	D
175	1447 9299	" " PT3	<i>ED</i>
178	1447 9307	" " PT4	D
180	2606 9641	WIR. DIAG., PT	A
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191	2604 3778	" " RTC2	A
194	2604 3802	" " RTC3	A

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198	2604 8694	FII, RTC	C
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200	2604 3471	WIRE LIST	A
201	2604 1863	LOGIC DIAG., SP1	A
203	2604 1897	" " SP2	B
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207	2604 1954	" " SP4	A
210	2606 9674	WIR. DIAG., SP	A
211-1	2605 9840	FII SP	A
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213	2608 5381	" " (B40)	A
214	1449 2474	LOGIC DIAG. SP01	D
216	1449 2508	" " SP02	C
218	1449 2532	" " SP04	B
219	2606 9682	WIR. DIAG., SPO	A
221	2606 4816	FII, SPO (B44)	B
224	2608 5373	" " (B40)	B K
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227	2601 6592	WIRE LIST (B131)	B
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240	2601 4977	" " SR3 (B131)	D
242	2606 5102	" " SR3 (ENDORSER OPT.)	<i>KB</i>
244	2601 5008	" " SR4 (B131)	D
246	2606 5136	" " SR4 (ENDORSER OPT.)	A
248	2606 9690	WIR. DIAG., SR	A
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253	1449 0288	WIRE LIST	G
254	1448 9124	LOGIC DIAG., TC1	H
257	1448 9157	" " TC2 (B392)	G
259	2607 5572	" " TC2	B
261	1448 9090	" " TC3	<i>KG</i>
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266	2606 9708	WIR. DIAG., TC	A
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271	1448 0438	WIRE LIST	C
273	1448 1816	LOGIC DIAG., TM1	B
275	1448 1824	" " TM2	B
277	1448 1832	" " TM3	C
280	1448 2582	" " TM4	B
282	2606 9716	WIR. DIAG., TM	A
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PAGE NUMBER	DOCUMENT NUMBER	DOCUMENT NAME	REVISION LEVEL
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287	1449 0361	LOGIC DIAG., TPP1	B X
289	1449 0395	SHC. " TPP2	A
292	1449 0429	LOGIC SCH. TPP3	A
294	1449 0452	" " TPP4	A
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302	1449 0486	LOGIC DIAG., TPR1	G
303	1449 0510	" " TPP2	A
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305	2606 3917	FII, TPR	B
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309	2607 3411	LD ICMDC 1	C
314	2607 3452	" 2	B
318	2607 3494	" 3	A
322	2607 3536	" 4	A
326	2609 3971	WIR DIAG, ICMDC	A
328	2846 2935	FII, ICMD	A

DWG NO. 9L
1448 0354

SHEET 2 OF

RELEASED

REVISED & REDRAWN PER ECN 1082
11/20/72
11/20/72
ECN 1136
11/20/72

ECN 1193
11/20/72
11/20/72

ECN 1206
11/20/72
11/20/72

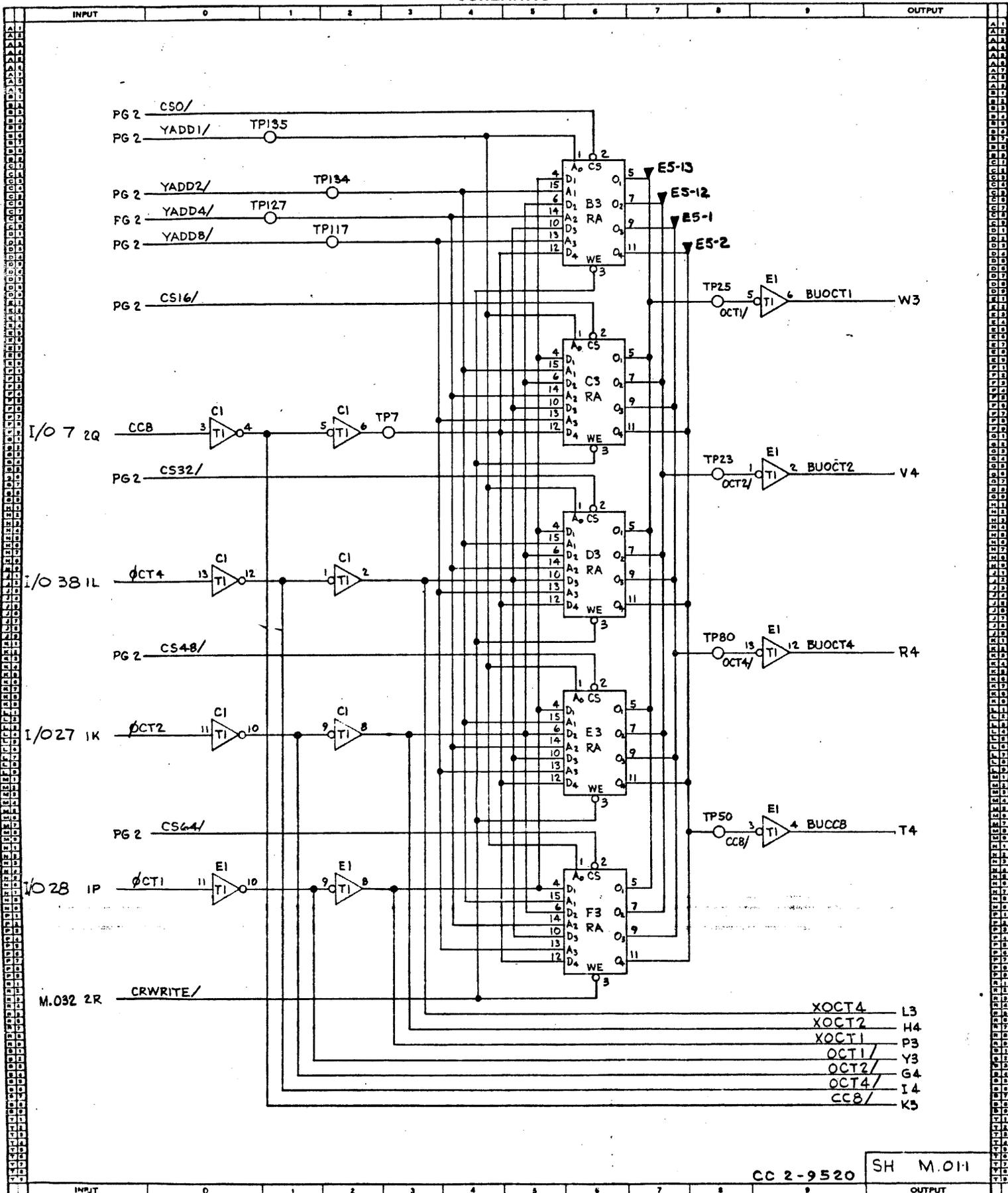
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	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES			TERMINAL	TYPE OF TERMINATION	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	
1	26	RED	P	49	WIRE WRAP	J	46	WIRE WRAP	24V+ BUS	26											
2				6			50		GND	27											
3				39			44		RCI/	28											
4				50			38		EFC/	29											
5				46			39		LEC/	30											
6				2			32		CC12	31											
7				34			31		CC11	32											
8				15			37		CC0	33											
9				7			29		CC8	34											
10				33			30		CC9	35											
11				28			26		ØCT1	36											
12				27			27		ØCT2	37											
13				38			28		ØCT4	38											
14				24			33		SC 123	39											
15				21			41		TRØUBL	40											
16				29			40		RC0	41											
17				14			42		NØ FD	42											
18			P	13			43		GØ1	43											
19	26	RED	J	48	WIRE WRAP	J	49	WIRE WRAP	JUMPER	44											
20										45											
21										46											
22										47											
23										48											
24										49											
25										50											

NOTES:

DRAWN RARICH	DATE 2-3-72	Burroughs Corporation  SMALL SYSTEMS PLANT DOWNINGTOWN, PA. 19335, U. S. AMERICA
CHECKED VECCHIOLLI	DATE 2-3-72	
DSGN or ENGR R. H	DATE 2-25-72	
APPROVED R. HOOVER	DATE 2-25-72	
TITLE WIRE LIST ADAPTER CABLE ASSY INTERFACE A9114 TO B711		SHEET 2 OF DWG NO 1448 0354

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CC 2-9520

SH M.011

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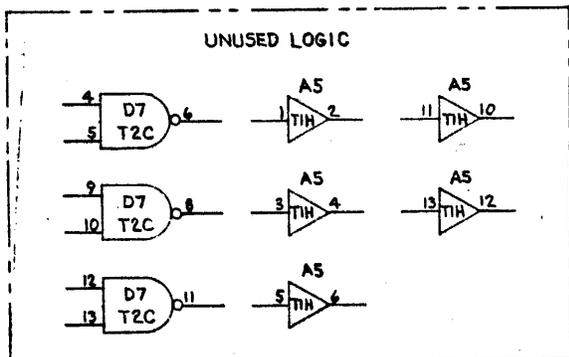
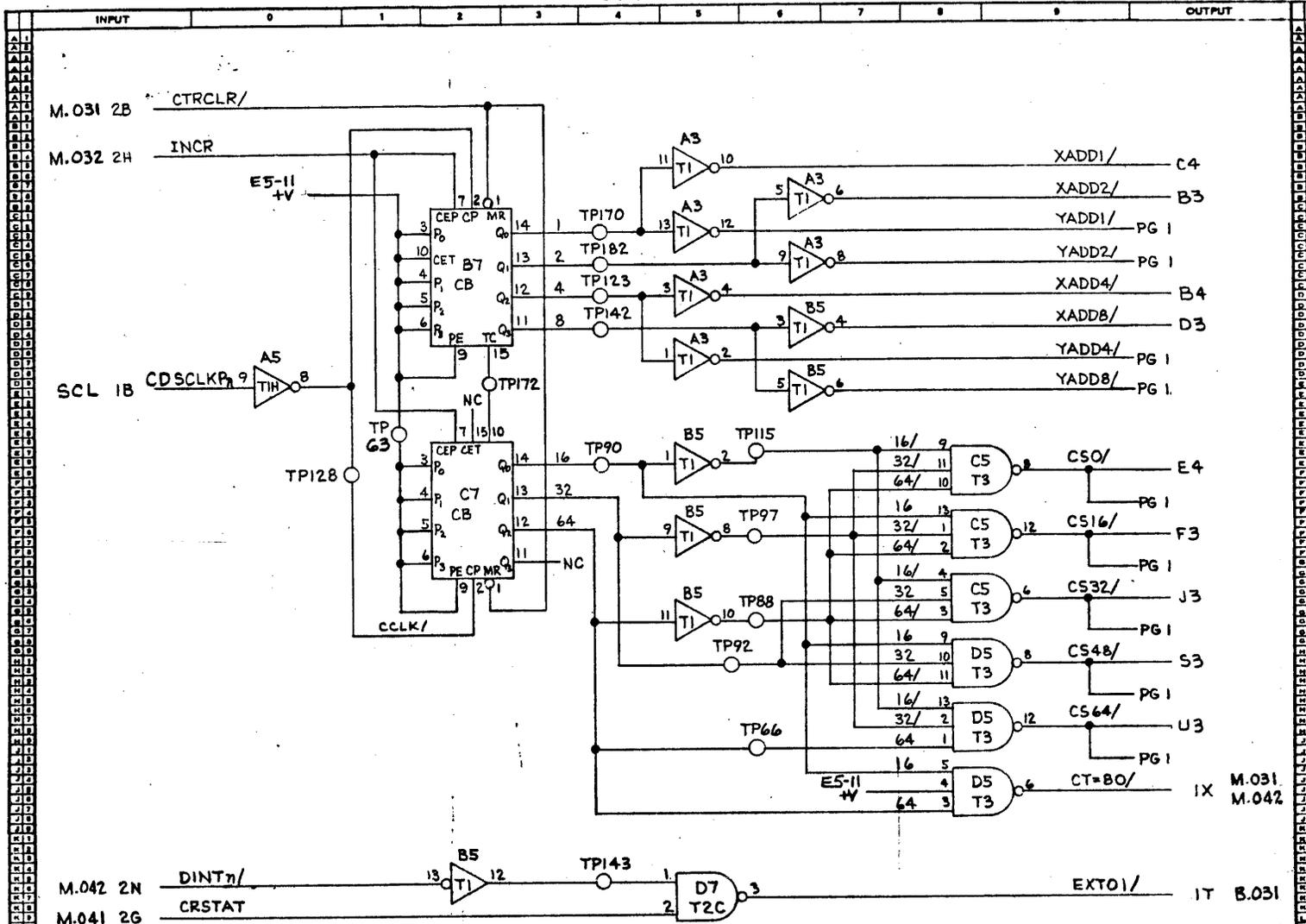
TITLE CR1, CARD READER BUFFER 1
 SYSTEM B700
 DRAWN LMJ
 APPROVED

CHECKED C.M.F. 4-14-71
 RELEASED 10-18-71

DWG. NO. 1447 8408
 PAGE 1 OF 2
 REV. LETTER G PER ECN 3504
 11-19-74 AFF

PRINTED IN U.S.A.

SCHEMATIC



TIH	1479 7971	1
	1448 2319	1
CB	1447 3771	2
T2C	1447 3581	1
T1	1447 3537	4
RA	1447 3672	5
T3	1447 3540	2
CODE	PART NO.	QTY

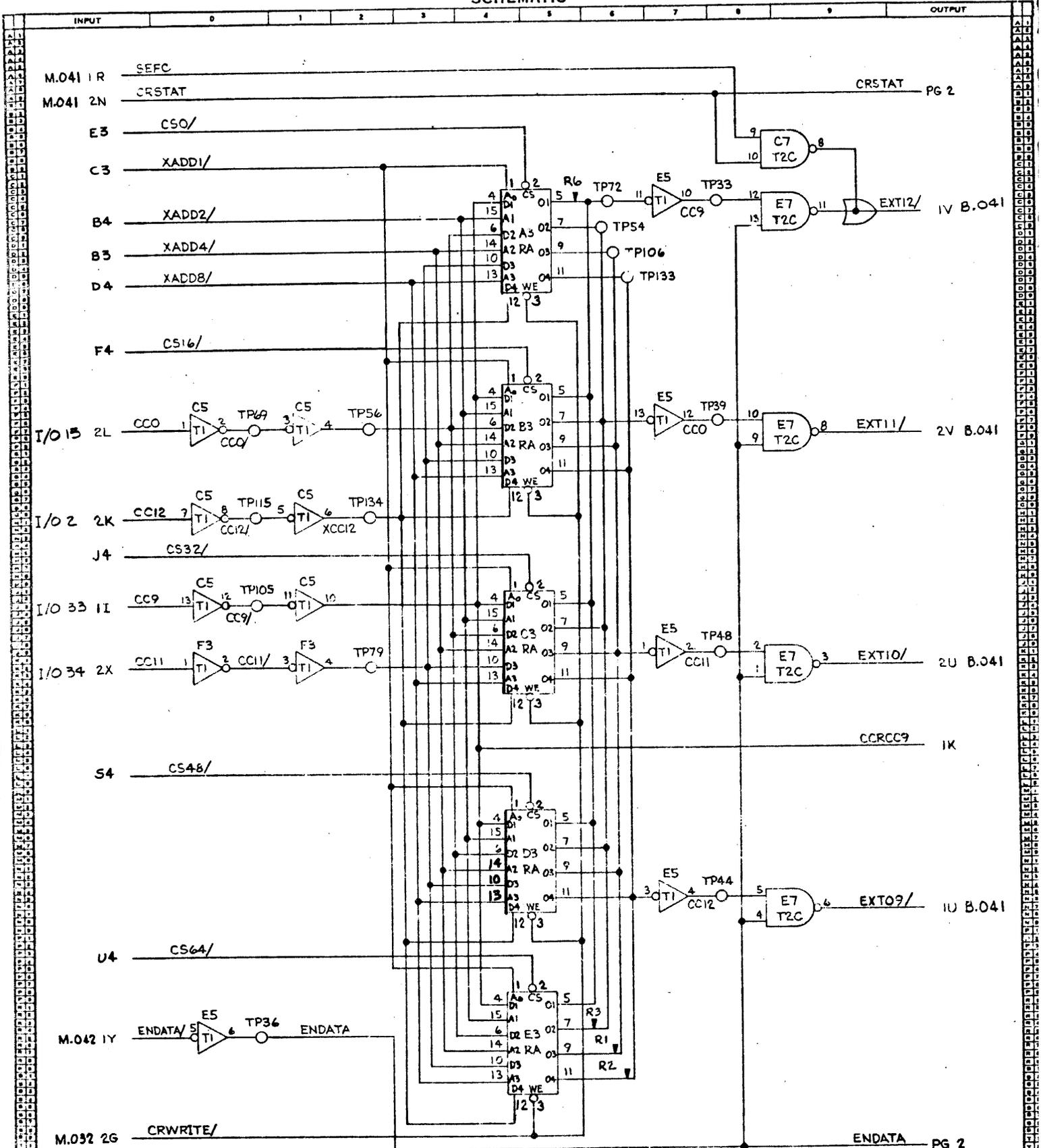
SH M.012

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PRODUCTION

TITLE CRI, CARD READER BUFFER 1
 SYSTEM B700
 DRAWN L.M.J.
 APPROVED
 CHECKED CKF 4-14-71
 RELEASED 10-18-71
 DWG. NO. 1447 8408
 PAGE 2 OF 2
 REV. LETTER G ECN 3506
 11-19-74 AFT
 PRINTED IN U.S.A.

SCHMATIC



NOTE: ON THE PRINTED WIRING BOARD AT LOCATIONS E1, D7 & F1 THERE ARE UNREQUIRED CONDUCTORS. IF THESE LOCATIONS ARE NEEDED TO IMPLEMENT A LOGIC CHANGE, THE CONDUCTORS WILL HAVE TO BE CUT.

† DESIGNATES PULL-UP RESISTOR, 1500 Ω, ±5%, 1/2 W

SH M.021

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PRODUCTION

TITLE CR2, CARD READER BUFFER
 SYSTEM 8700
 DRAWN APPROVED

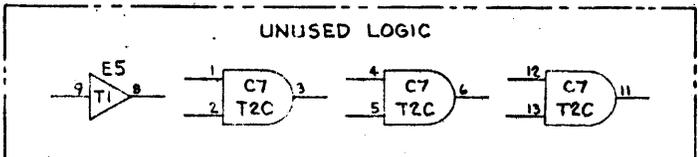
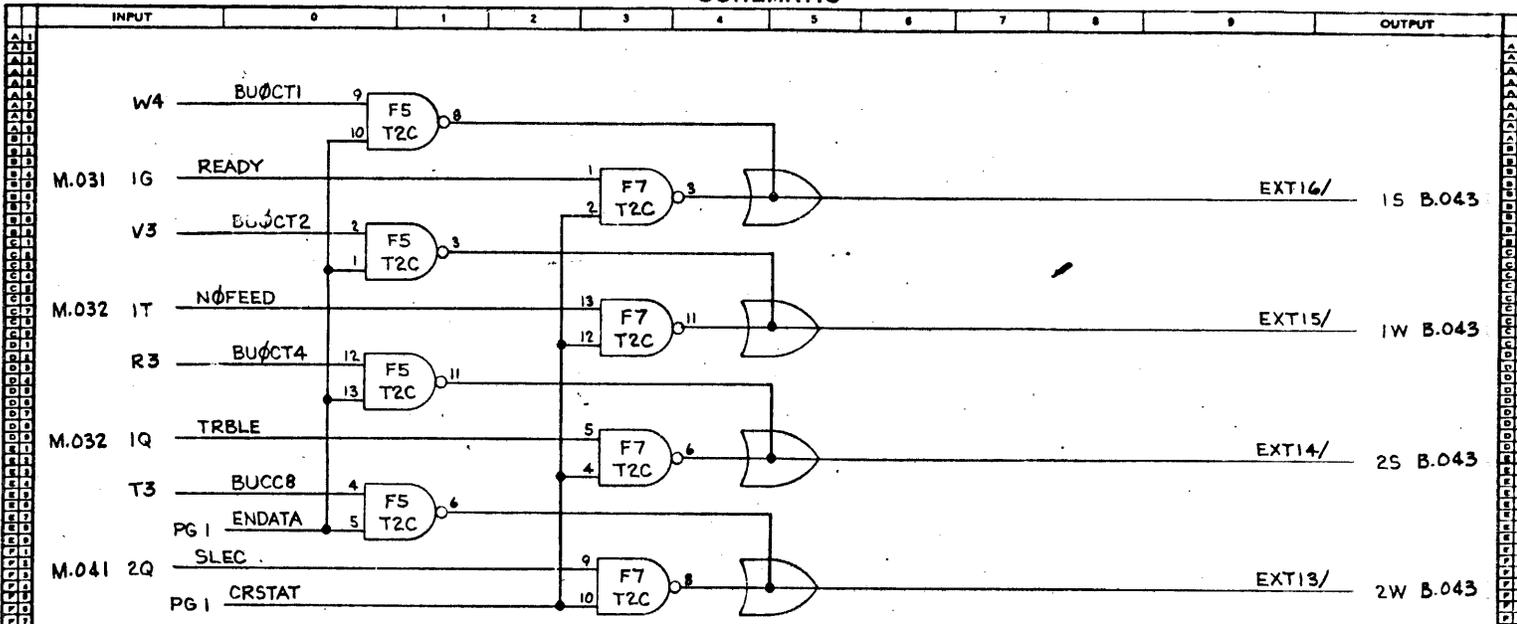
CHECKED RELEASED 10-13-71
 G. DINER MAN
 DWG. NO. 1447 8416
 PAGE 1 OF 2
 REV. LETTER G ECN 4803

SHT 1 2
 REV G F

CC 2-9520

PRINTED IN U.S.A.

SCHEMATIC



TI	1447 3532	3
RA	1447 3672	5
T2C	1447 3581	4
CODE	PART NO.	QTY

SH M.022

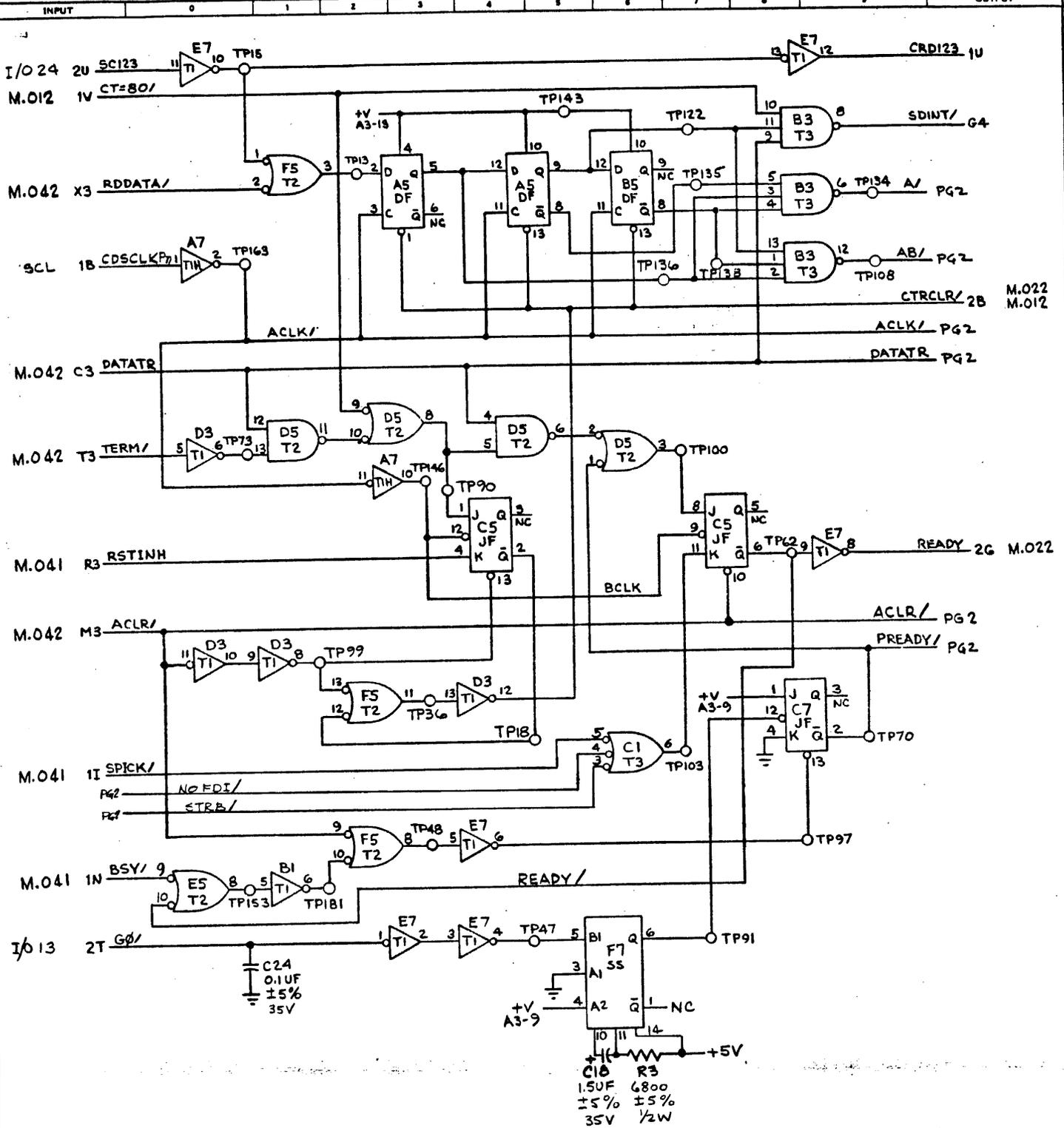
Burroughs Corporation
 MAGNETIC SYSTEMS PLANT
 DOWNTOWN, PA 19338

PRODUCTION

TITLE CR2 CARD READER BUFFER
 SYSTEM B700
 DRAWN APPROVED
 CHECKED RELEASED 10-13-71
 B. DINEKMAN

DWG. NO. 447 646
 PAGE 1 OF 7
 REV. LETTER F ECN 3095
 DATE 5-19-71

SCHMATIC



SS	1447 3706	1			
JF	1447 3513	3			
DF	1447 3657	2			
T3	1447 3540	3			
T2	1447 3516	4			
TIH	1479 7971	1			
TI	1447 3532	4	1447 5396	1	
CODE	PART NO	QTY	CODE	PART NO	QTY

CC 2-9520 SH M.031

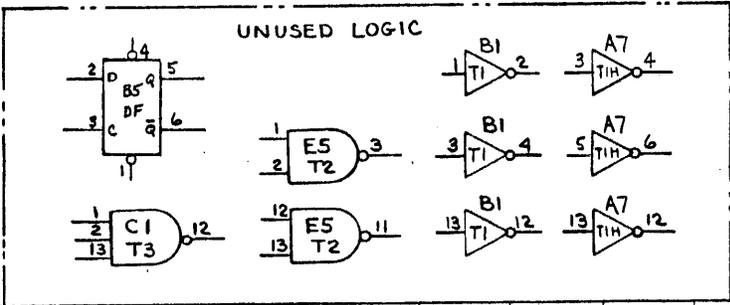
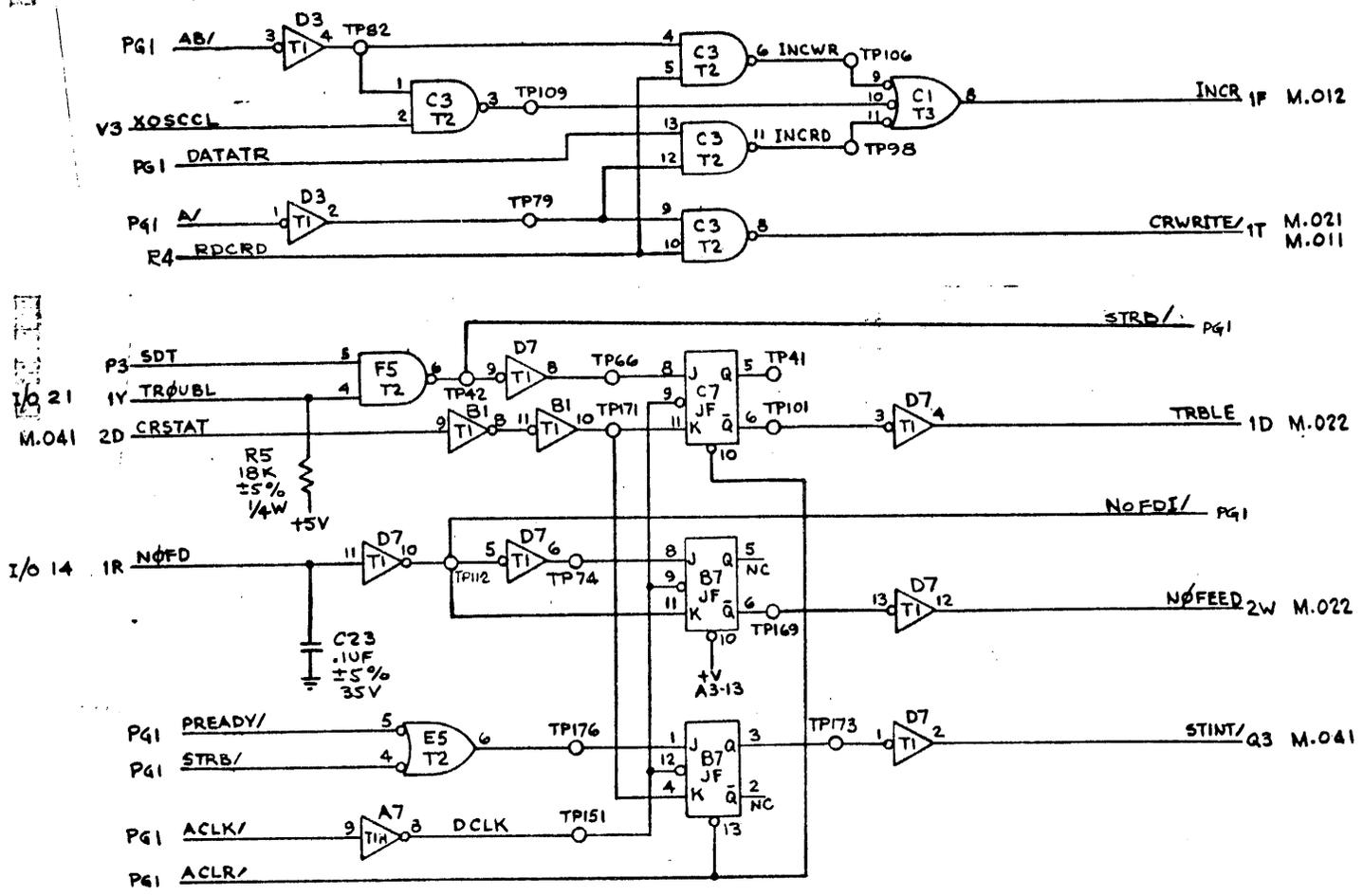
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TITLE CR3 CARD READER COUNTER
 SYSTEM B700
 DRAWN M. SULLIVAN CHECKED L.M.J.
 APPROVED B. DINERMAN RELEASED 11/22/71

DWG. NO. 1447 8424
 PAGE 1 OF 2
 REV. LETTER K ECN 3500
 11-19-74 4FT

SCHEMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



SH M.032

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

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TITLE CR3 CARD READER COUNTER
 SYSTEM B700
 DRAWN M. SULLIVAN CHECKED L.M.J
 APPROVED B. DINERMAN RELEASED 11/22/71
 DWG. NO. 14478424
 PAGE 2 OF 2
 REV. LETTER K ECN 3506
 11-19-74 AFT
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COMPUTER SYSTEMS GROUP
DOWNTOWN PLANT
DOWNTOWN, PENNSYLVANIA 19335

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NUMBER

2606 3891

REV

B

TITLE

FIELD INSTALLATION INSTRUCTIONS FOR
80-COLUMN CARD READER CONTROL OPTION
(B111)

PREPARED BY

H. Caswell
H. Caswell

9-8-75

APPROVED BY

B. Dinerman
B. Dinerman

9-8-75

ORIGINAL RELEASE DATE

9-26-75

PAGE 1 OF 3

REVISIONS

LEVEL	DESCRIPTION	DATE	APPROVED
A	Initial Release. <i>ER109 REV09</i>		
B	Revised per ECN 4448. Templates deleted.	12-3-75	<i>W. Springer</i> <i>JS</i>

2606 3891



1. SCOPE

1.1 Scope.- This document defines the instructions for field installation of the B111 80-column card reader control option, M&E No. 1448 0347.

1.2 Option items.- The B111 control option consists of the following items:

Quantity	Description	Part No.
1	Circuit Card Assembly CR1	1447 8747
1	Circuit Card Assembly CR2	1447 5719
1	Circuit Card Assembly CR3	1447 7509
1	Circuit Card Assembly CR4	1448 8233
2	Connector Assembly	2605 0807
1	Cable Assembly	1448 0354
2	Pan Head Screw	1256 0397
2	Washer	1256 7426
1	Decal	1088 6836
1	Decal	1448 6666

2. INSTALLATION INSTRUCTIONS

- (a) Insert the four circuit card assemblies into the appropriate DDP backplane locations in accordance with system requirements. Refer to the backplane map contained in the system FT&R documentation package for specific DDP card locations.
- (b) Attach the two connector assemblies to the frontplane connector end of the following card pairs:
 - CR1 and CR2
 - CR3 and CR4
- (c) On the insertion side of the backplane, attach the 50-pin connector end of the cable assembly which has the strain relief bracket to the appropriate I/O connector.
- (d) Secure the 50-pin connector on the other end of the cable assembly to the adapter panel using the pan head screws and washers provided.
- (e) For B711 and B771 systems only, mark on the connector assignment decal, located on the power control unit, the slots in the adapter panel which use this control option.



- (f) Affix decal (1088 6836), which reads "NFPA Type II", to the left of the processor identification plate.
- (g) Affix decal (1448 6666), which identifies the control and its serial number, to the configuration plate in the space for the DDP location which uses this control option.
- (h) Option installation is now complete.
- (i) Power for the card reader is supplied from a 14-pin connector in the processor power control assembly. Refer to the connection diagram contained in the system FT&R documentation package.

DWG NO.
1449 4892

SHEET 2 OF

REVISIONS

RELEASED
SER # 54 8-1-73

ECN 1859 4/11
CRP/2-3-73

WIRE NO.	CONDUCTOR		FROM			TO			REMARKS	WIRE NO.	CONDUCTOR		FROM			TO			REMARKS
	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION			SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	
1	26	RED	P1	1	WIRE WRAP	P2	29	WIRE WRAP	SCCL/	26	26	RED	P1	28	WIRE WRAP	P2	48	WIRE WRAP	GND
2	↑	↑	↑	6	↑	↑	30	↑	GND	27	↑	↑	↑	24	↑	↑	23	↑	READY/
3				2			28		RDI1L/	28				29			20		GND
4				7			26		GND	29				25			21		CCL/
5				3			27		RDI2L/	30				30			16		GND
6				8			26		GND	31				41			24		CRCL/
7				4			18		RDI3L/	32				46			20		GND
8				9			16		GND	33				35			44		READCHK/
9				5			17		RDI4L/	34				40			48		GND
10				10			10		GND	35	↓	↓	↓	32	↓	↓	37	↓	CSP/
11				11			9		RDI5L/	36	26	RED	P1	37	WIRE WRAP	P2	40	WIRE WRAP	GND
12				16			10		GND	37									
13				12			8		RDI6L/	38									
14				17			6		GND	39									
15				13			7		RDI7L/	40									
16				18			6		GND	41									
17				14			38		RDI8L/	42									
18				19			36		GND	43									
19				15			34		RDI9L/	44									
20				20			36		GND	45									
21				21			33		RDI0L/	46									
22				26			30		GND	47									
23				22			42		RDI1L/	48									
24	↓	↓	↓	27	↓	↓	40	↓	GND	49									
25	26	RED	P1	23	WIRE WRAP	P2	41	WIRE WRAP	RDI2L/	50									

NOTES:

15

DRAWN
KAPPE
DATE
1-25-73

CHECKED
[Signature]
DATE
7-27-73

DSGN or ENGR
DATE

APPROVED
[Signature]
DATE
7/30/73

Burroughs Corporation 

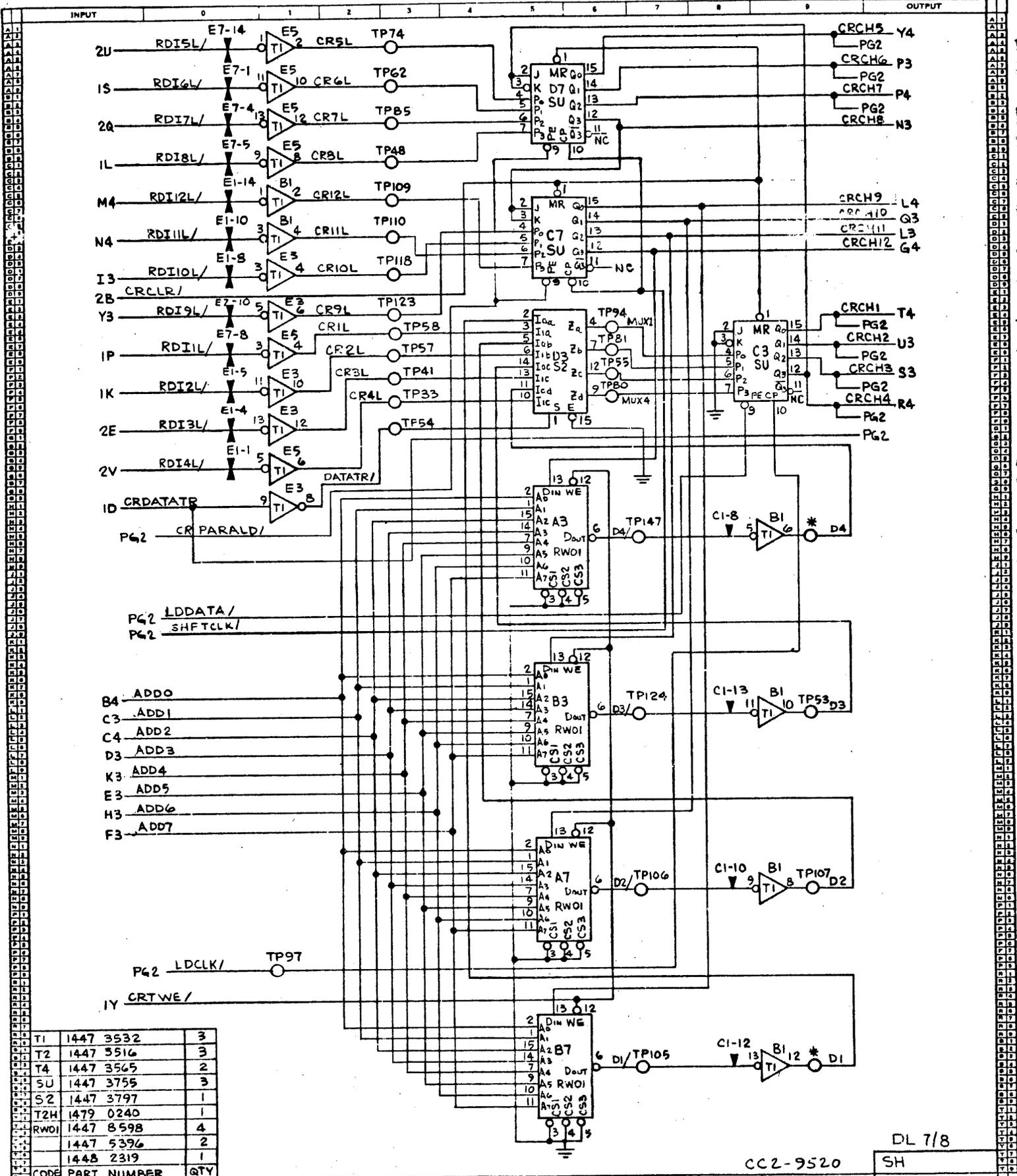
SMALL SYSTEMS PLANT
DOWNTOWN, PA. 19335, U. S. AMERICA

TITLE
WIRE LIST
CABLE ASSY, ADAPTER
CARD READER A9115

SHEET 2 OF
DWG NO 1449 4892

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SCHEMATIC



- P62 LDDATA/
- P62 SHFTCLK/
- B4 ADD0
- C3 ADD1
- C4 ADD2
- D3 ADD3
- K3 ADD4
- E3 ADD5
- H3 ADD6
- F3 ADD7
- P62 LDCLK/ TP97
- IY CRTWE/

TI	PART NUMBER	QTY
T1	1447 3532	3
T2	1447 3516	3
T4	1447 3565	2
SU	1447 3755	3
S2	1447 3797	1
T2H	1479 0240	1
RWOI	1447 8598	4
	1447 5396	2
	1448 2319	1

DL 7/8

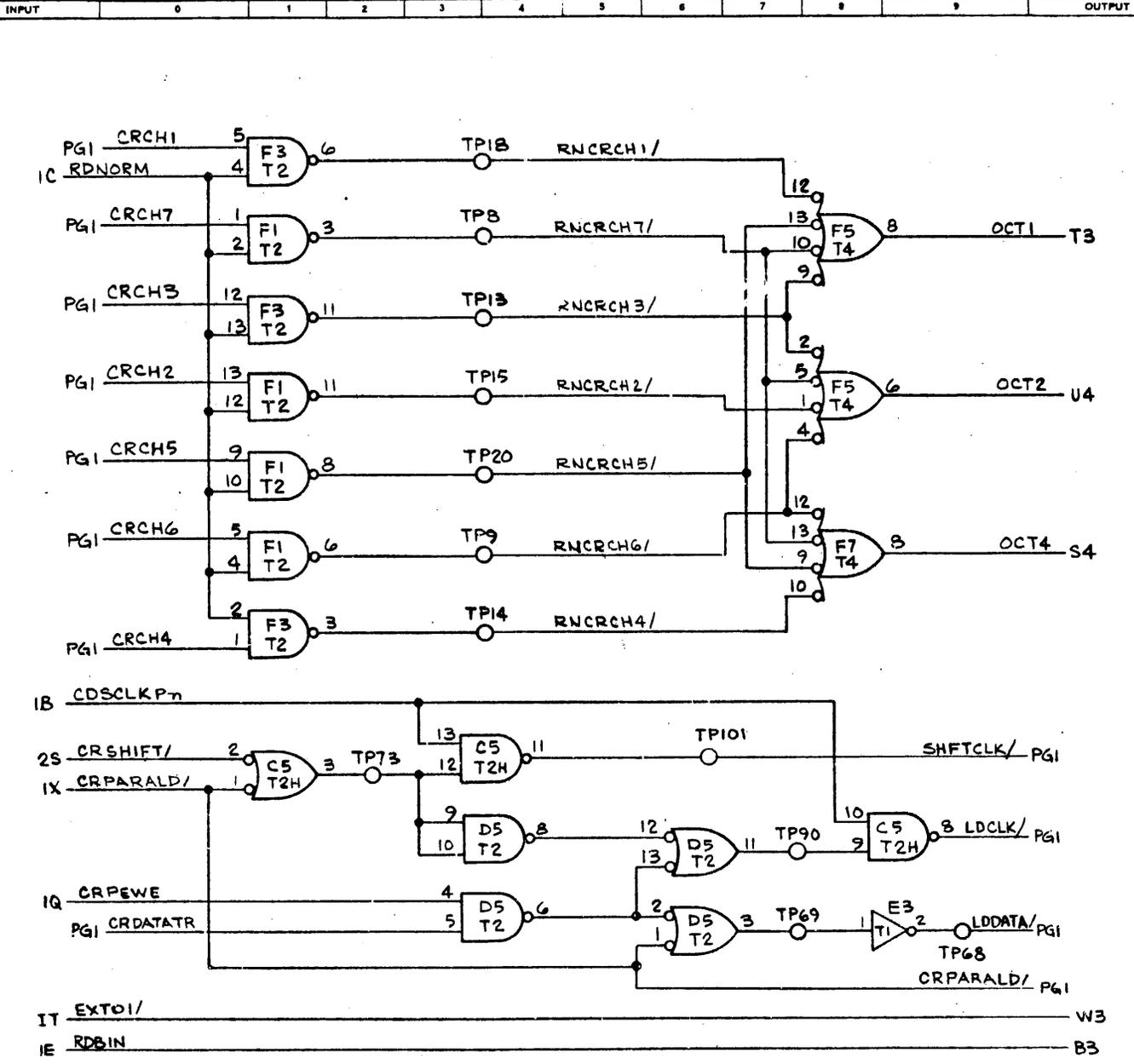
CC2-9520

SH

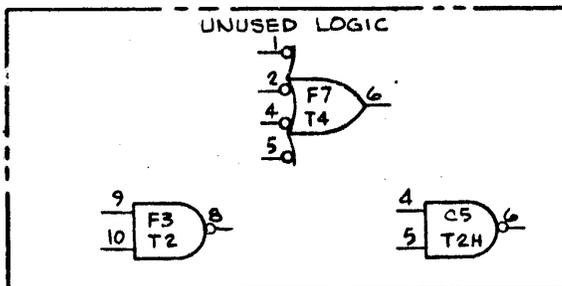
Burroughs Corporation
 MAGNETIC SYSTEMS PLANT
 DOWNINGTOWN, PA. 19338

TITLE CRTI CARD READER BUFFER
 SYSTEM B770
 DRAWN *[Signature]* 12-24-73 CHECKED *[Signature]* 2-2-74
 APPROVED *[Signature]* 8-20-73 REV. LETTER B ECN 4876
 1-24-73 1-25-73

SCHEMATIC



* UNABLE TO OBTAIN DEDICATED VIA



DL7/8

SH

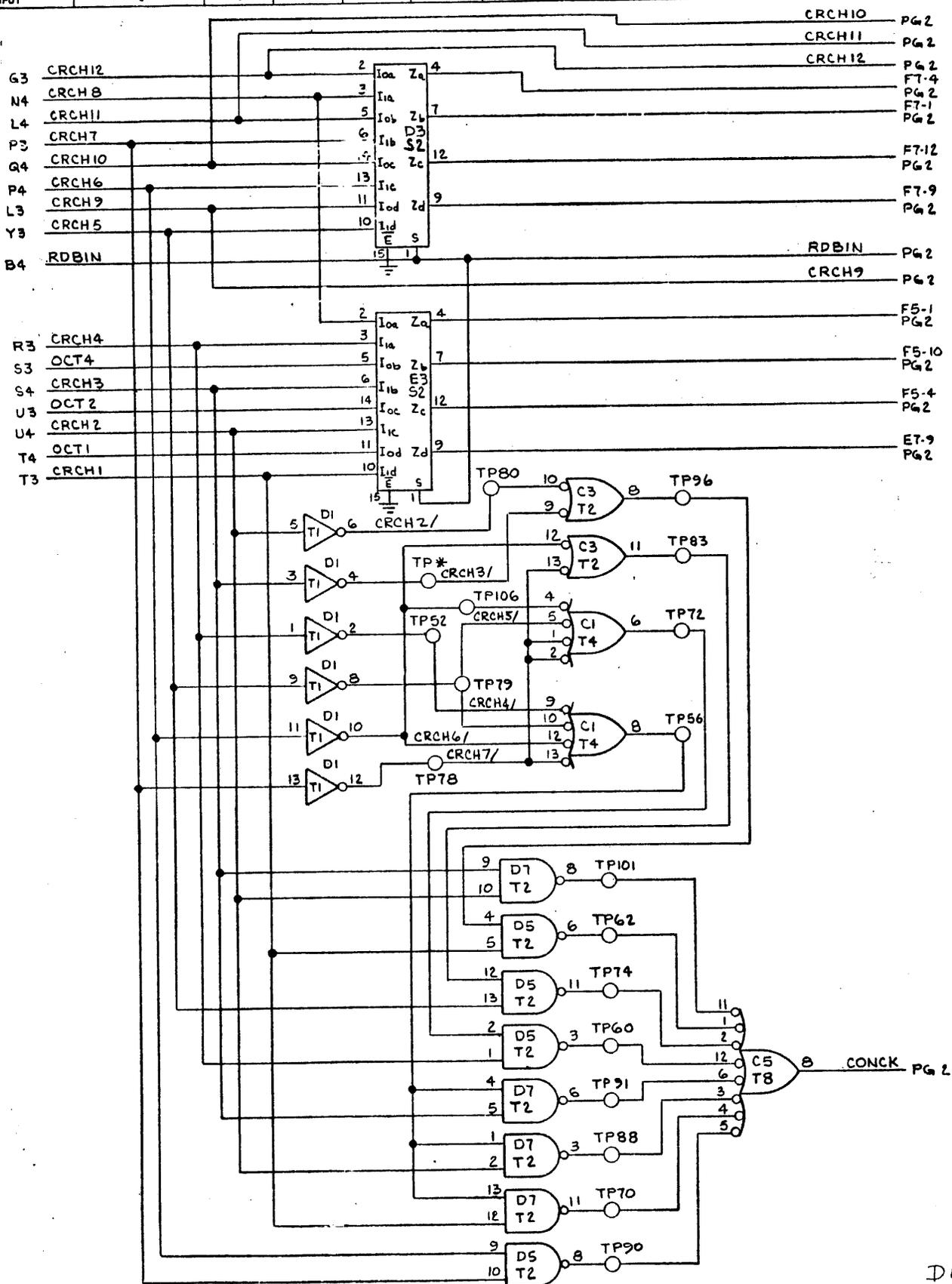


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TITLE CRTI CARD READER BUFFER
 SYSTEM B770
 DRAWN *[Signature]* 2-20-73 CHECKED *[Signature]* 2-2-73
 APPROVED B. DINERMAN 5-20-73
 DWG. NO. 1449 5154
 PAGE 2
 REV. LETTER B. ECN 4876
 CZ 4-27-76

SCHEMATIC #

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



* UNABLE TO OBTAIN DEDICATED VIA

CC2-9520

DL 4/5

SH

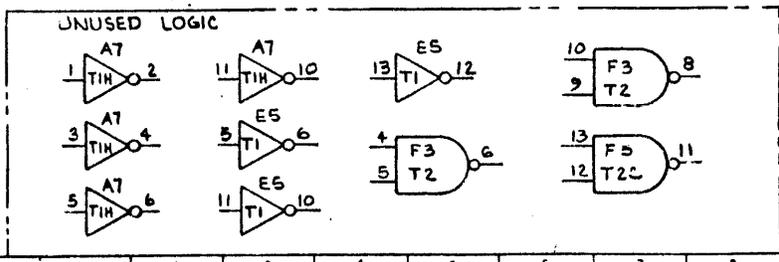
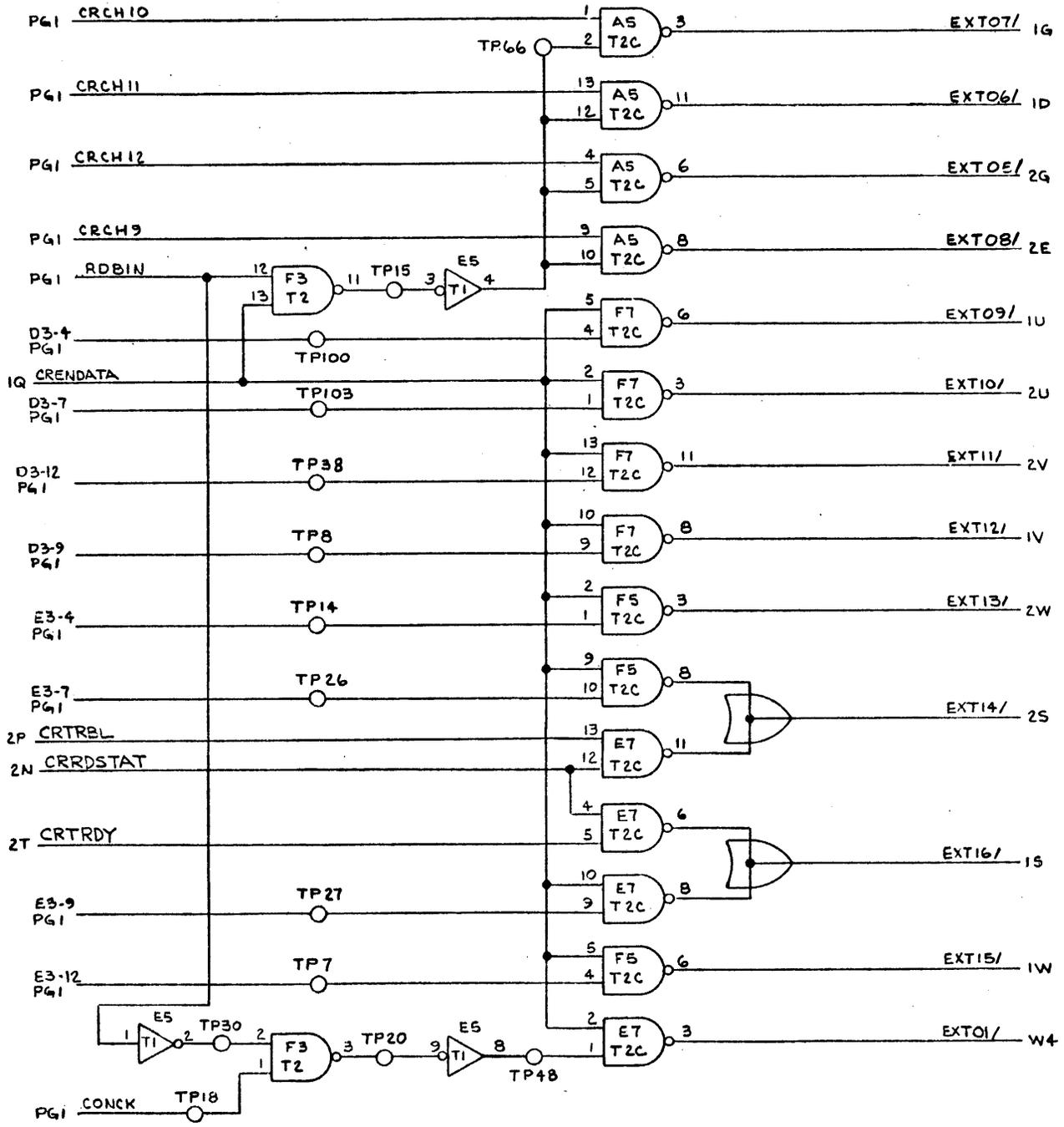
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 MAGNETIC SYSTEMS PLANT DOWNTOWN, PA 19333
PROPERTY OF BURROUGHS CORP. - NOT TO BE REPRODUCED NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN COMMENT.

TITLE CARD READER BUFFER CRT2
 SYSTEM B70
 DRAWN J. SCHLENNER CHECKED C.L. SCHOFF
 APPROVED B. DINERMAN RELEASED 8-20-73
1-18-73 5-17-73

DWG. NO. 1449 5188
 PAGE 1 OF 3
 REV. LETTER C PARECH
 SKETCH - 1976
PRINTED IN U.S.A. 2-11-79

SCHMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



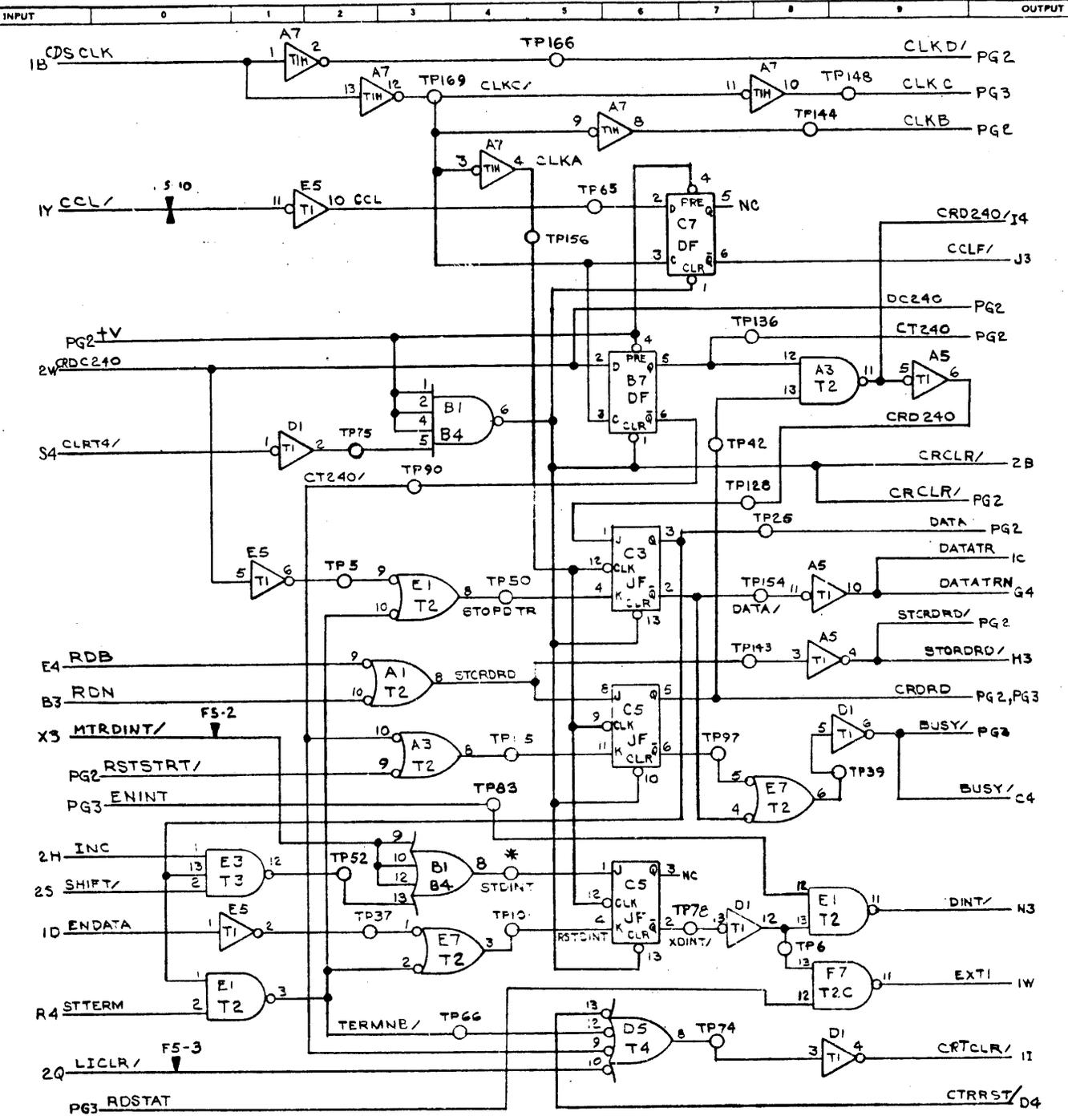
CB	1447 3771	2
S2	1447 3797	2
TP8	1447 3573	1
T4	1447 3565	3
T2C	1447 3581	4
T2	1447 3516	4
TIH	1479 7971	1
TI	1447 3532	4
CODE	PART NO.	QTY

DL 4/5
CC2.9520 SH

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DOWNTOWN, PA. 19335
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TITLE CARD READER BUFFER CRT2
SYSTEM B770
DRAWN J. SCHLENNER CHECKED C. BRONOFF
APPROVED B. DINERMAN RELEASED 8-20-73
DWG. NO. 1449 5189
PAGE 2
REV. LETTER C PER GEN
DATE 11-9-64

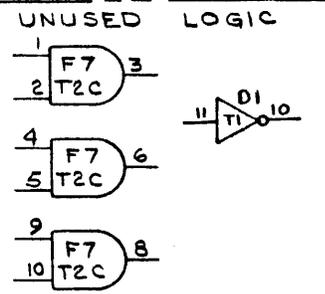
SCHEMATIC



NOTES:

1. INDICATES TERMINATOR RESISTOR.
2. * INDICATES UNABLE TO OBTAIN DEDICATED VIA.
3. INDICATES PULLUP RESISTOR

CODE	PART NO	QTY
RMOD	1447 5396	1
B4	1447 3599	1
T2C	1447 3581	1
DF	1447 3607	3
JF	1447 3615	4
T4	1447 3565	1
T3	1447 3540	1
T2A	1447 3524	1
T2	1447 3516	5
TIH	1479 7971	1
TI	1447 3532	3



DL 2/1

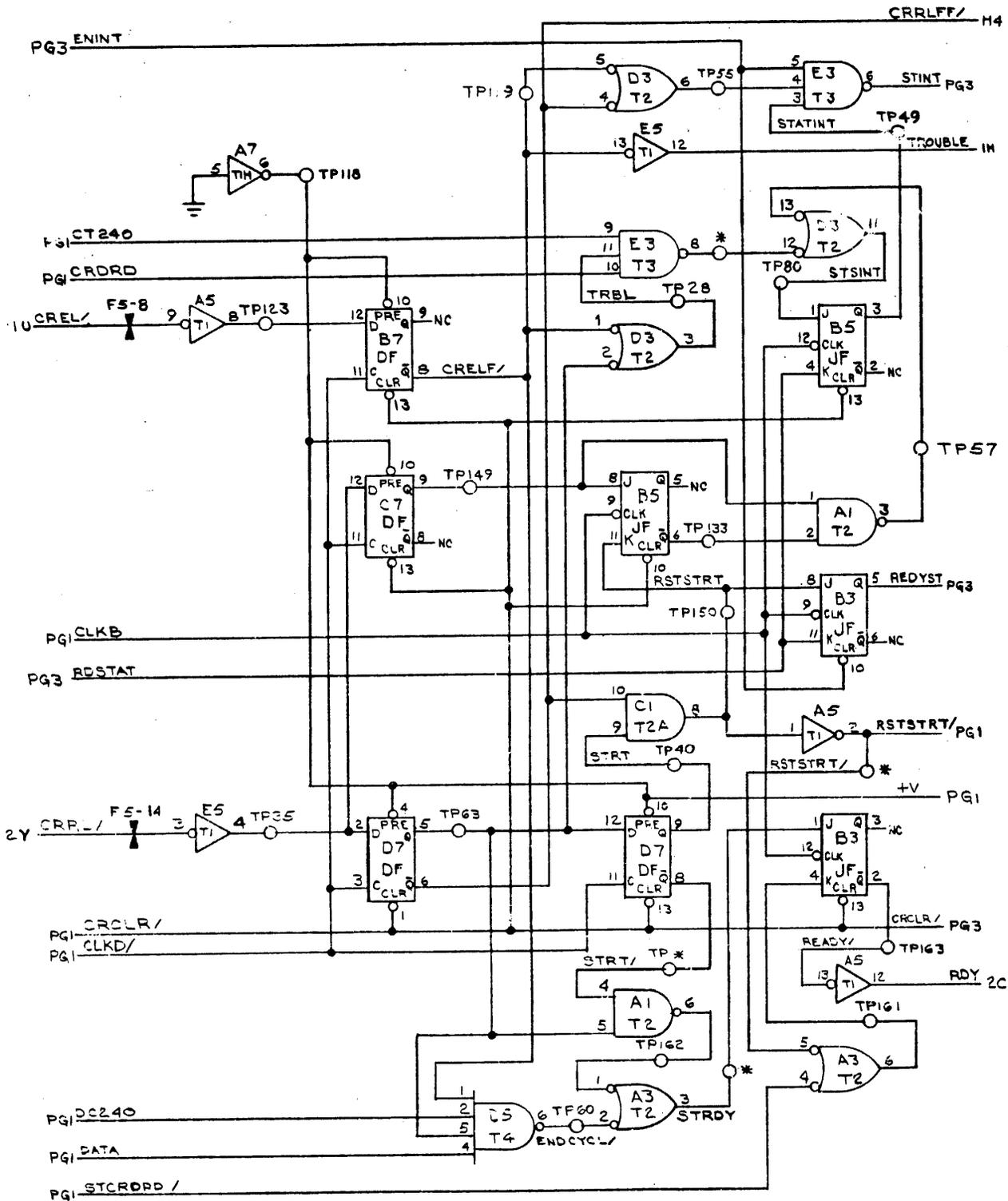
Burroughs Corporation
 MAGNETIC SYSTEMS PLANT DOWNTOWN, PA 19330
PROPERTY OF BURROUGHS CORP. NOT TO BE REPRODUCED FOR USE OR MANUFACTURING PURPOSES WITHOUT BURROUGHS ORDER OR PRIOR WRITTEN CONSENT

TITLE CARD READER CONTROL CRT 3
 SYSTEM B770
 DRAWN J. BOERK CHECKED *Russ*
 APPROVED *[Signature]* RELEASED 8-20-73
 DWG. NO. 1449 5212
 PAGE 1 of 3
 REV. LETTER H ECN4877
 CE 4-2-76

B H H P G M Q
 3 2 1 REV

SCHMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



DL 2/1

INPUT C 1 2 3 4 5 6 7 8 9 OUTPUT

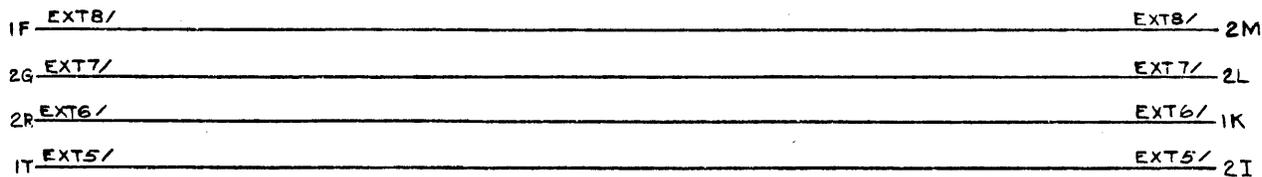
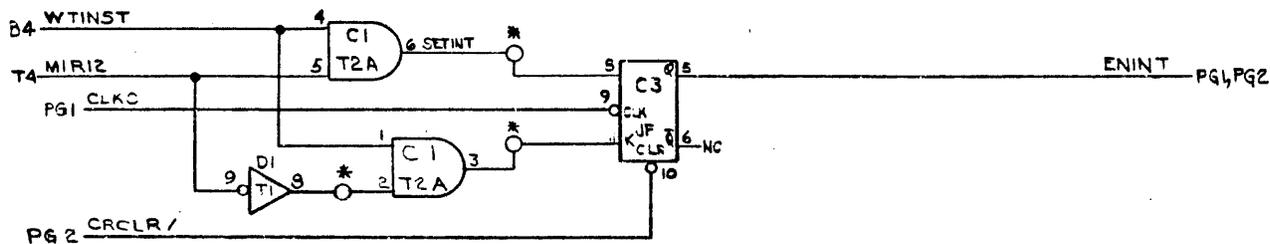
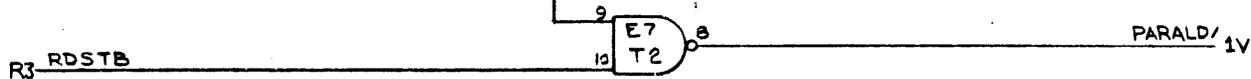
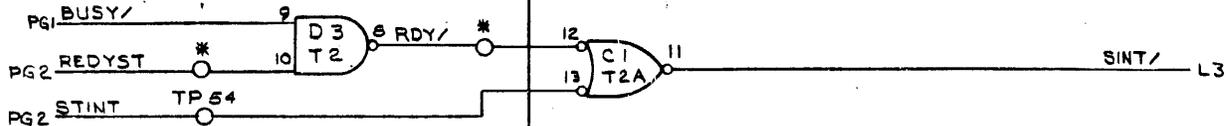
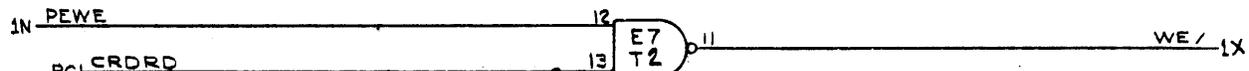
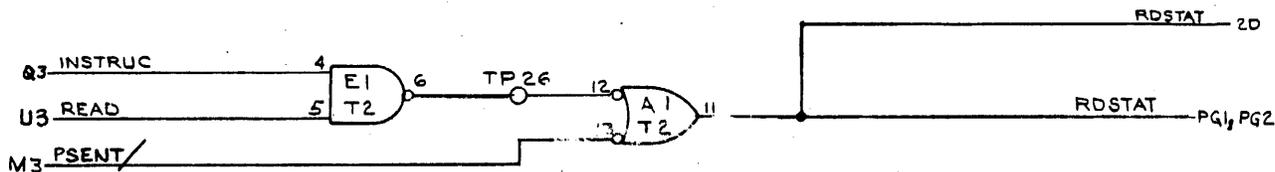
Burroughs Corporation
 MAGNETIC SYSTEMS PLANT
 DOWNTOWN PA 19338

TITLE CARD READER CONTROL CRT 3
 SYSTEM B770
 DRAWN U. DOERR
 CHECKED P. WILSON
 APPROVED [Signature]
 RELEASED 8-20-73

DWG. NO. 1449 5212
 PAGE 2
 REV. LETTER H ECN4877
 CL 4-2776

SCHEMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



DL 2/1

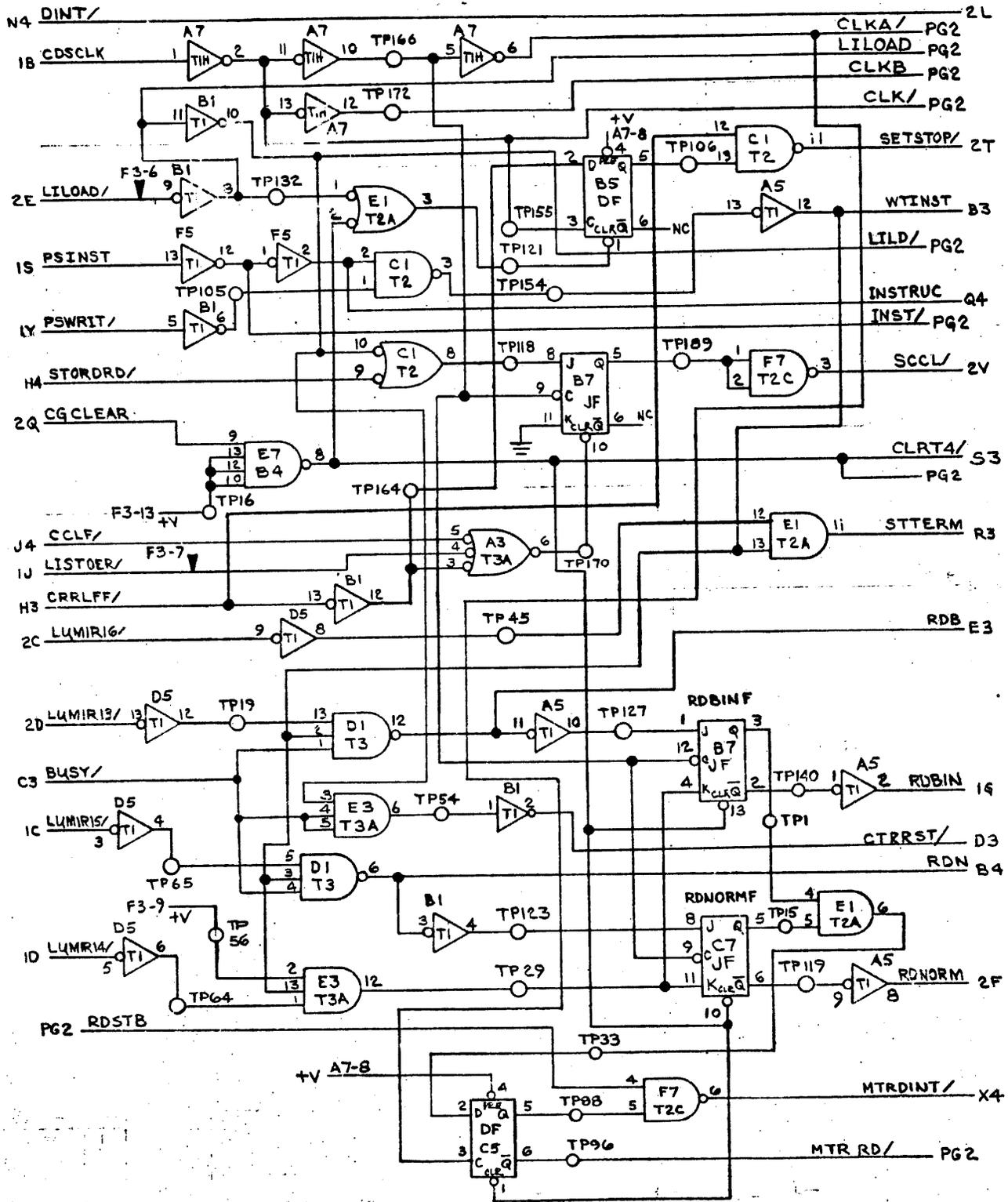
INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

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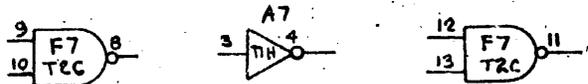
TITLE CARD READER CONTROL CRT 3
 SYSTEM B 770
 DRAWN J. DOERR 10/23/73 CHECKED *RW*
 APPROVED *RW* RELEASED 8-20-73
 DWG. NO. 1449 5212
 PAGE 3
 REV. LETTER B ECN 1933

SCHEMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



UNUSED LOGIC



DK 918

T2	1447 3516	2	RMOD	1447 5396	1
T2A	1447 3524	2	T2C	1447 3581	1
T3	1447 3540	1	DF	1447 3607	2
T3A	1447 3557	2	JF	1447 3615	3
B4	1447 3599	1	TIH	1479 7971	1
SU	1447 3755	2	TI	1447 3532	4

CODE	PART N°	QTY	CODE	PART N°	QTY
------	---------	-----	------	---------	-----

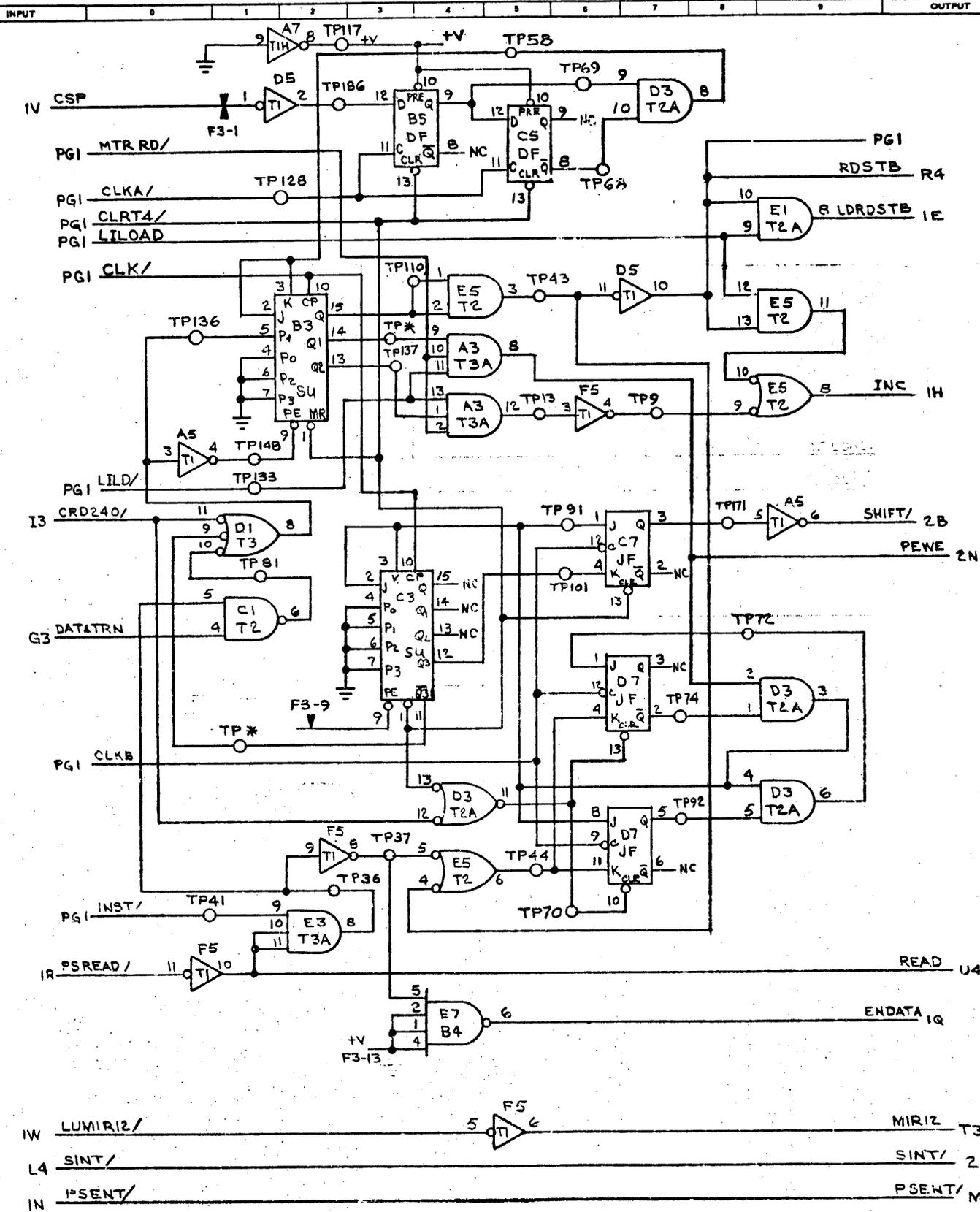
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TITLE CARD READER CONTROL CRT 4
 SYSTEM B770 DWG. NO. 1449 5246
 DRAWN KRELL CHECKED *[Signature]* PAGE 1 OF 2
 APPROVED *[Signature]* RELEASED 8-20-73 REV. LETTER E ECN 1932

REV E E
 PAGE 1 2

PRINTED IN U.S.A. 24

SCHMATIC

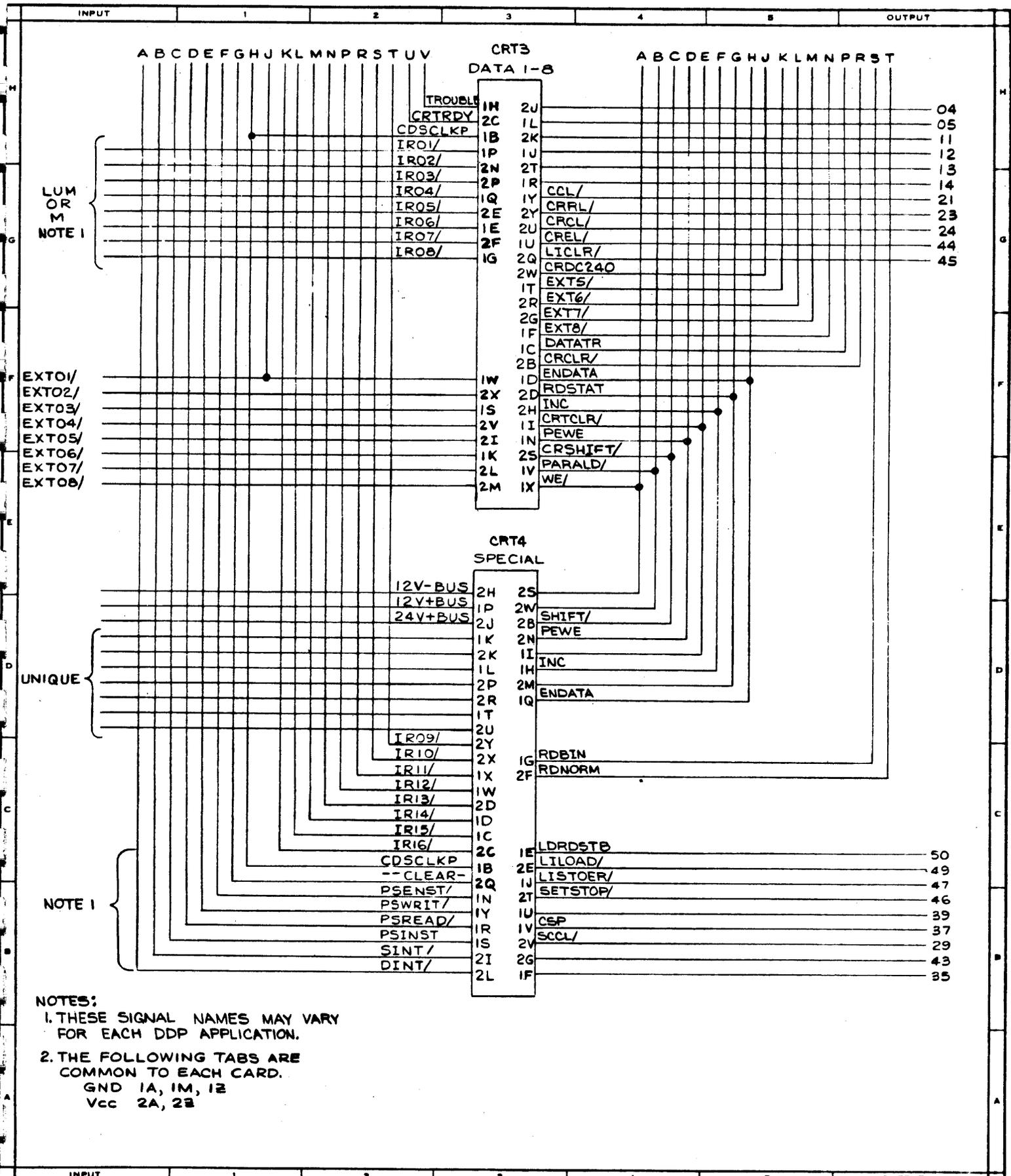


DK 9/8

Burroughs Corporation
 MAGNETIC SYSTEMS PLANT
 DOWNTOWN, PA 19338

TITLE CARD READER CONTROL CRT4
 SYSTEM 8770
 DRAWN 1/2/68 2 MAR 73 CHECKED 9/1/73
 APPROVED 8-20-73

DWG. NO. 1449 5246
 PAGE 2
 REV. LETTER E ECN 1932



LUM OR M NOTE 1

EXT01/
EXT02/
EXT03/
EXT04/
EXT05/
EXT06/
EXT07/
EXT08/

UNIQUE

NOTE 1

NOTES:
 1. THESE SIGNAL NAMES MAY VARY FOR EACH DDP APPLICATION.
 2. THE FOLLOWING TABS ARE COMMON TO EACH CARD.
 GND 1A, 1M, 1Z
 Vcc 2A, 2B

Burroughs Corporation COMPUTER SYSTEMS GROUP DOWNTOWN PLANT DOWNTOWN PA 19335 U.S. AMERICA		REVISIONS	TITLE DDP CRT WIRING DIAGRAM	CLASS CODE 2-9520
SHEET 2	DWG NO 2606 9583		PLY NO 038	REV A
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 DOWNINGTOWN, PENNSYLVANIA 19335

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 CONSENT.

NUMBER

2606 3909

REV

B

TITLE

FIELD INSTALLATION INSTRUCTIONS FOR
 80-COLUMN CARD READER CONTROL OPTION
 (B115)

PREPARED BY

H. Caswell
 H. Caswell
 9-8-75

APPROVED BY

B. Dinerman 9-8-75
 B. Dinerman

ORIGINAL RELEASE DATE

9-26-75

PAGE 1 OF 3

REVISIONS

LEVEL	DESCRIPTION	DATE	APPROVED
A	Initial Release <i>EC109 REV09</i>		
B	Revised per ECN 4448. Templates deleted.	12-3-75	<i>W. Swisher</i> 9/10

2606 3909



1. SCOPE

1.1 Scope.- This document defines the instructions for field installation of the B115 80-column card reader control option, M&E No. 1449 4876.

1.2 Option items.- The B115 control option consists of the following items:

Quantity	Description	Part No.
1	Circuit Card Assembly CRT1	1449 5139
1	Circuit Card Assembly CRT2	1449 5162
1	Circuit Card Assembly CRT3	1449 5196
1	Circuit Card Assembly CRT4	1449 5220
2	Connector Assembly	2605 0807
1	Cable Assembly	1449 4892
2	Pan Head Screw	1256 0397
2	Washer	1256 7426
1	Decal	1448 6757

2. INSTALLATION INSTRUCTIONS

- (a) Insert the four circuit card assemblies into the appropriate DDP backplane locations in accordance with system requirements. Refer to the backplane map contained in the system FT&R documentation package for the specific DDP card locations.
- (b) Attach the two connector assemblies to the frontplane connector end of the following card pairs:
- CRT1 and CRT2
CRT3 and CRT4
- (c) On the insertion side of the backplane, attach the 50-pin connector end of the cable assembly which has the strain relief bracket to the appropriate I/O connector.
- (d) Secure the 50-pin connector on the other end of the cable assembly to the adapter panel using the pan head screws and washers provided.
- (e) For B711 and B771 systems only, mark on the connector assignment decal, located on the power control unit, the slots in the adapter panel which use this control option.

Burroughs Corporation



COMPUTER SYSTEMS GROUP

DOWNINGTOWN PLANT

DOWNINGTOWN, PENNSYLVANIA 19335

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CONSENT.

NUMBER

2606 3909

REV

B

PAGE

3

OF

3

- (f) Affix the decal to the configuration plate in the space for the DDP location which uses this control option.
- (g) Option installation is now complete.

DWG NO. 1449 1252
 SHEET 2 OF 2
 RELEASED
 ECN 1105 CCF 10-6-72
 ECN 1136 CCF 10-13-72
 ECN 1180 CCF 11-15-72
 ECN 1214 CCF 12-11-72
 ECN 1338 CCF 1-11-73
 ECN 3507 CCF 1-18-74

WIRE NO.	CONDUCTOR		FROM			TO			REMARKS
	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	
1-1	26	RED	P1	1	WIPE WRAP	P3	13	WIPE WRAP	PRINT/
2				2		P2	35		READCHK/
3				3		P3	35		PUNCHK/
4				4		P2	13		RDICL/
5				5			22		RDIII
6				6			6		GRD
7				7			3		RDIZL/
8				8			2		RDII L/
9				9			11		RDIAL/
10				10			17		GRD
11				11			21		RDIIOL/
12				12		P2	15		RD19L/
13				13		P3	21		SS1L/
14				14		P3	22		SS2L/
15				15		P3	12		PPIBL/ PUNCH/
16				16		P2	18		GRD
17				17		P2	12		RDIBL/
18				18		P3	42		SECEHOP/
19				19		P2	34		ND3ERFL/
20				20		P2	28		GRD
21				21		P2	23		RDIZL/
22				22		P3	14		INHINFD/
23				23		P2	44		OPHEQ/
24				24		P3	15		SPRINL/
1-25	26	RED	P1	25	WIPE WRAP	P3	11	WIPE WRAP	PPIAL/

WIRE NO.	CONDUCTOR		FROM			TO			REMARKS
	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	
1-26	26	RED	P1	26	WIPE WRAP	P2	29	WIPE WRAP	GRD
27				27		P2	24		READY/
28				28		P2	4		RDIAL/
29				29		P3	45		PTRLL/
30				30		P2	39		GRD
31				31		P3	41		PRIEHOP/
32				32		P3	4		PPIAL/
33				33		P2	1		SCCL/
34				34		P3	2		PPIIL/
35				35		P2	33		XFERCP/
36				36		P2	40		GRD
37				37		P2	31		CLEAR/
38				38		P2	5		RDIBL/
39				39		P2	32		RDINAVL/
40				40		P2	50		GRD
41				41		P3	5		PPIBL/
42				42		P3	3		PPI2L/
43				43		P2	43		CLPRUBI/
44				44		P2	14		RDIDL/
45				45		P3	23		SS4L/
46				46		P3	32		PPIIL/
47				47		P2	45		OPALERT/
48				48		P3	50		GRD
49				49		P3	34		LDPBFR/
1-50	26	RED	P1	50	WIPE WRAP	P2	25	WIPE WRAP	CCL/

NOTES:

13

DRAWN J. SCHENNER	DATE 9-11-72	Burroughs Corporation COMPUTER SYSTEMS GROUP DOWNTOWN PA 19335 DOWNTOWN PLANT U.S. AMERICA
CHECKED S. H. S. A. C.	DATE 9-12-72	
DSGN OR ENGR S. H. S. A. C.	DATE 9-12-72	
APPROVED S. H. S. A. C.	DATE 9-12-72	
TITLE WIRE LIST ADAPTEK CABLE ASSY - 96 COL. B711 TO A9419-2		SHEET 2 OF
DWG NO. 1449 1252		

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DWG NO. 1449 1252
 SHEET 3 OF 3
 RELEASED
 ECN1105 CKF 10-27-72
 ECN1126 CKF 10-27-72
 ECN1180 CKF 11-18-72
 ECN124 CKF 12-5-72
 ECN1338 CKF 1-11-73

WIRE NO.	CONDUCTOR		FROM			TO			REMARKS	WIRE NO.	CONDUCTOR		FROM			TO			REMARKS
	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION			SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	
2-1	26	RED	P1	6	WIRE WRAP	P3	6	WIRE WRAP	GRD	2-26	26	RED	P2	47	WIRE WRAP	P2	49	WIRE WRAP	GRD
2				10			17			27			P2	48		P2	50		
3				16			18			28			P2	7		P2	17		
4				20			28			29			P3	6		P3	8		
5				26			29			30				7			9		
6				30			39			31				8			10		
7			P1	36		P3	40			32				9			19		
8			P2	6		P2	8			33				10			20		
9				7			9			34				16			18		
10				8			10			35				18			20		
11				9			19			36				19			29		
12				10			20			37				16			26		
13				16			18			38				26			28		
14				18			20			39				27			29		
15				19			29			40				28			30		
16				16			26			41				30			40		
17				26			28			42				36			38		
18				27			29			43				37			47		
19				27			37			44				38			40		
20				30			40			45				36			46		
21				36			38			46				46			48		
22				37			47			47				47			49		
23				38			40			48				48			50		
24				39			49			49				39			49		GRD
2-25	26	RED	P2	46	WIRE WRAP	P2	48	WIRE WRAP	GRD	2-30	26	RED	P1	33	WIRE WRAP	P3	1	WIRE WRAP	SCCL/

NOTES:
 28

DRAWN J. SCHLENNER DATE 9-11-72
 CHECKED R.W. DATE 9-12-72
 DSGN OR ENGR DATE 9-19-72
 APPROVED DATE

Burroughs Corporation
 COMPUTER SYSTEMS GROUP DOWNINGTOWN PA 19335
 DOWNINGTOWN PLANT U.S. AMERICA

TITLE WIRE LIST
 ADAPTER CABLE ASSY - 96 COL.
 8711 TO A9419-2

SHEET 3 OF 3 DWG NO 1449 1252

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DWG NO.
1449 1252

SHEET 4 OF

RELEASED	CKF	10-2-72
A	ECN1109	10-2-72
B	ECN1136	10-2-72
C	ECN1180	11-15-72
D	ECN1214	12-8-72
E	ECN1338	1-22-73

WIRE NO.	CONDUCTOR		FROM			TO			REMARKS	WIRE NO.	CONDUCTOR		FROM			TO			REMARKS
	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION			SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	
3-1	26	RED	P1	27	WIRE WRAP	P3	24	WIRE WRAP	READY/	26									
2			P1	50		P3	25		CCL/	27									
3			P1	37		P3	31		CLEAR/	28									
4			P1	35		P3	33		XFRCP/	29									
5			P2	28		P2	30		GRD	30									
6			P2	36		P2	46		GRD	31									
7			P3	27		P3	37		GRD	32									
8	26	RED	P3	07	WIRE WRAP	P3	17	WIRE WRAP	GRD	33									
9										34									
10										35									
11										36									
12										37									
13										38									
14										39									
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19										44									
20										45									
21										46									
22										47									
23										48									
24										49									
3-25										50									

NOTES:

33

DRAWN	DATE
J. SCHLENNER	9-11-72
CHECKED	DATE
R. WEAVER	9-11-72
DSGN OR ENGR	DATE
E. FOGUSCH	9-19-72
APPROVED	DATE
W.U.I.	9-21-72

Burroughs Corporation 

COMPUTER SYSTEMS GROUP DOWNINGTOWN PA 19335

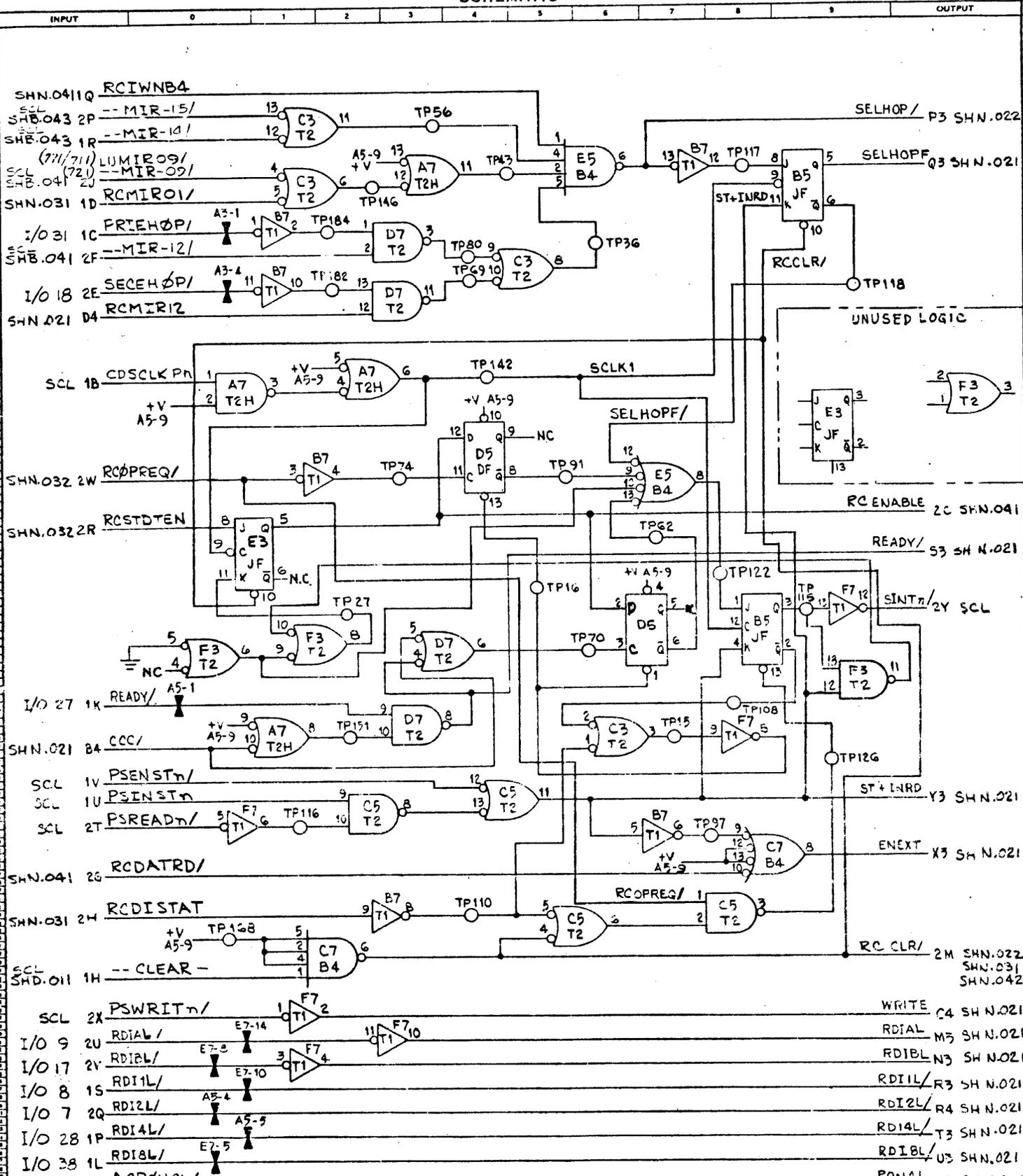
DOWNINGTOWN PLANT U.S. AMERICA

TITLE WIRE LIST ADAPTER CABLE ASSY - 96 COL B711 TO A9419-2

PROPRIETARY TO BURROUGHS CORP. - NOT TO BE REPRODUCED, NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT

SHEET 4 OF DWG NO 1449 1252

SCHMATIC



CODE	PART NO.	QTY	CODE	PART NO.	QTY	CODE	PART NO.	QTY
B4	1447 3599	2	T1	1447 3532	2			
DF	1447 3607	1	T2	1447 3516	4			
JF	1447 3615	2	T2H	1479 0240	1			
							1447 5396	3

INDICATES TERMINATOR
SCL: SEE CIRCUIT LIST
FOR DESIGNATIONS CC 2-9520

Burroughs Corporation
MAGNETIC SYSTEMS PLANT
DOWNTOWN PA 19338

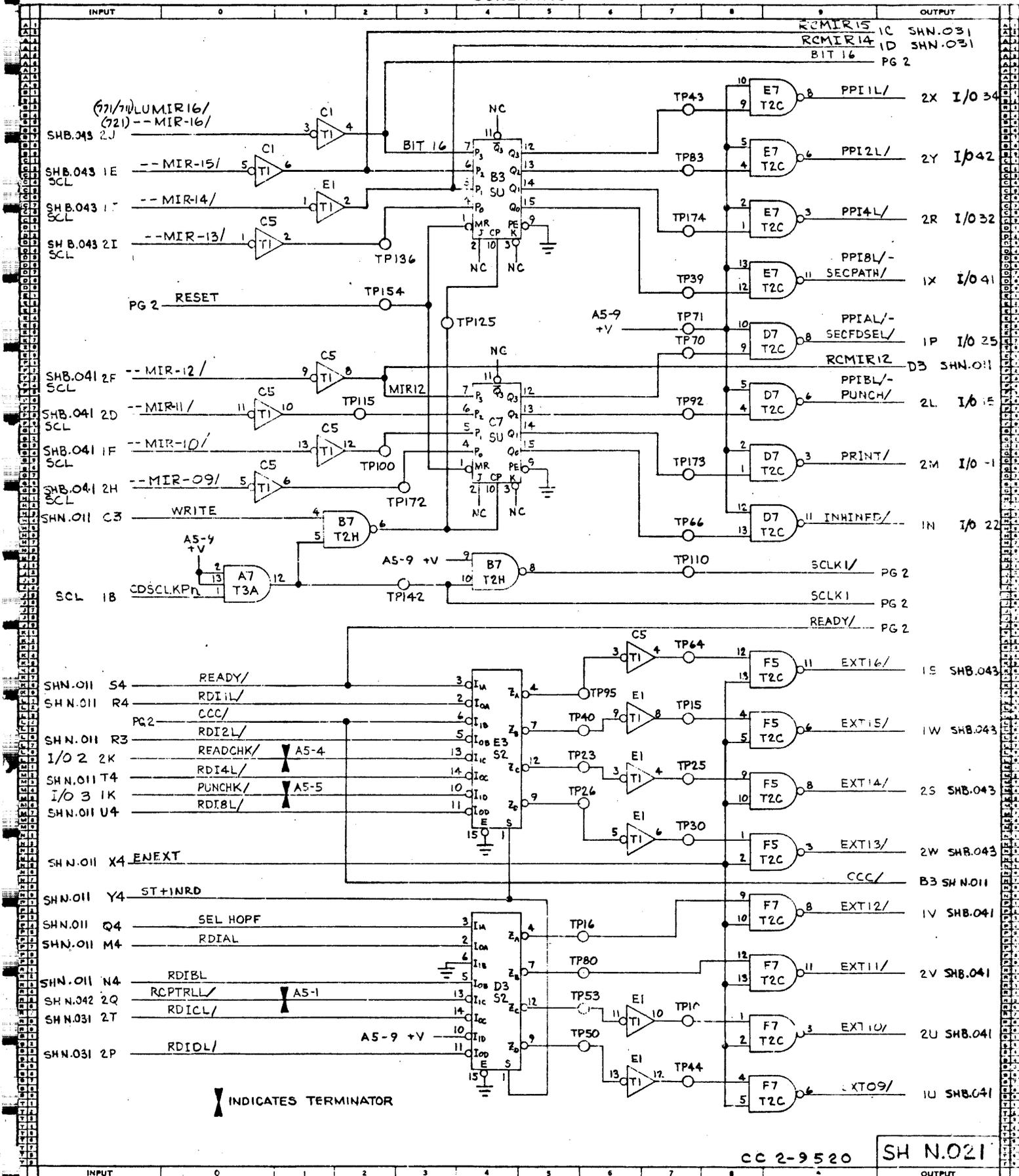
PRODUCTION

TITLE RC1 9610 CONTROL
SYSTEM B 700
DRAWN J. SCHLENNER
APPROVED [Signature]
7-9-72

DWG. NO. 1448 8266
PAGE 1 of 1
REV. LETTER E EGN 4808
CH 3.1.3

34

SCHMATIC



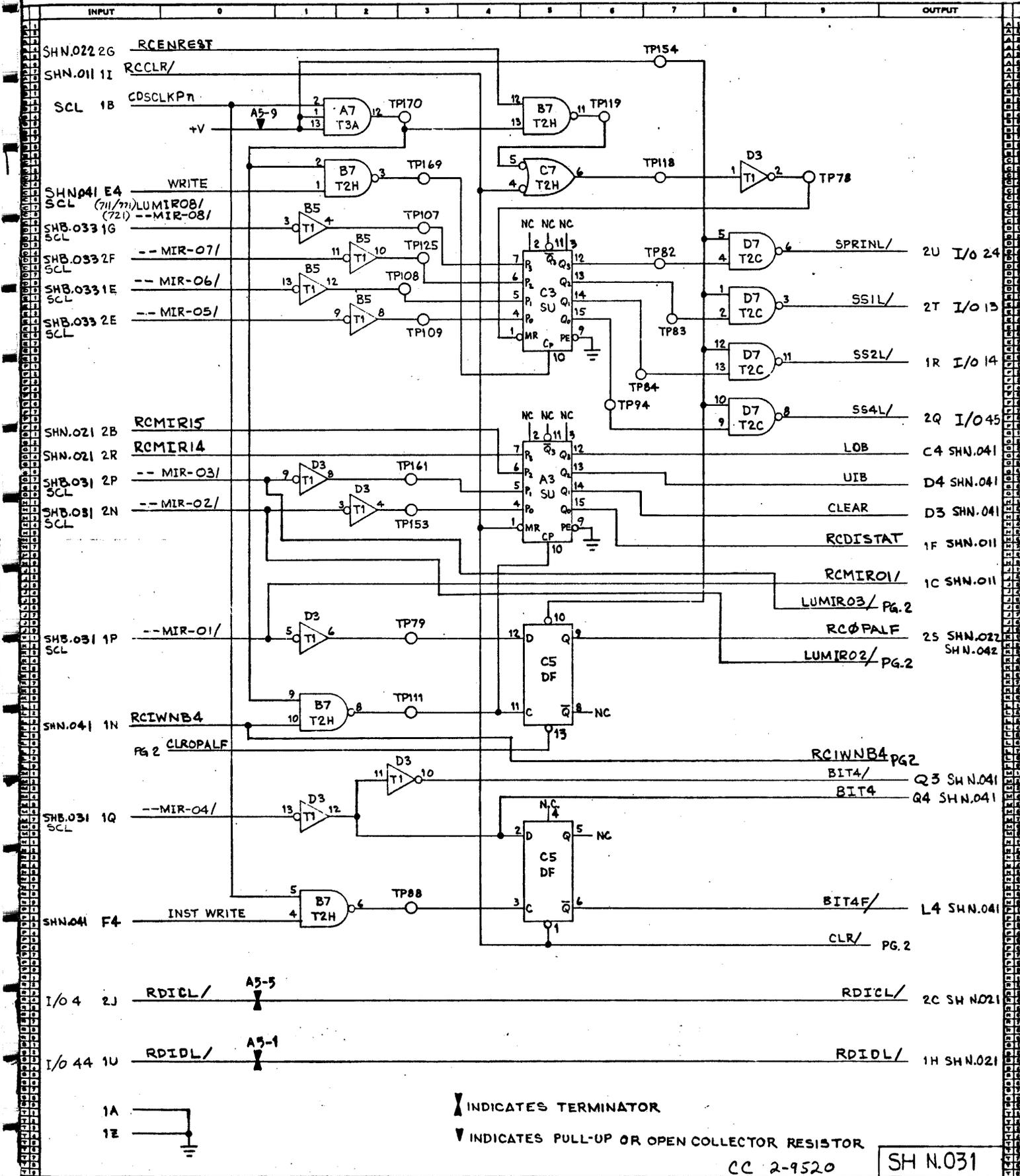
CC 2-9520

SH N.021

Burroughs Corporation
 MAGNETIC SYSTEMS PLANT DOWNINGTOWN, PA 19335
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 FACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT

TITLE RC2 9610 DATA 9
 SYSTEM 8700
 DRAWN C. S. JOHNSON
 APPROVED B. DINERMAN
 CHECKED C. S. JOHNSON
 RELEASED 11-22-71
 REV. LETTER N ECLN 4859
 1/4 4-22-74

SCHEMATIC



SH N.031

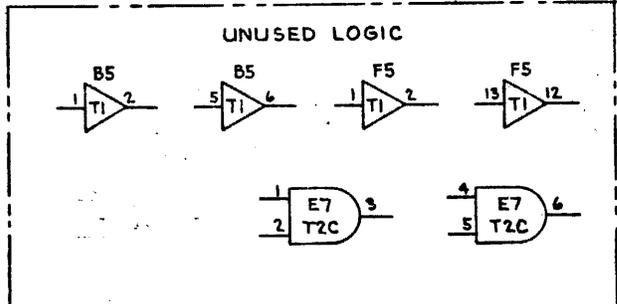
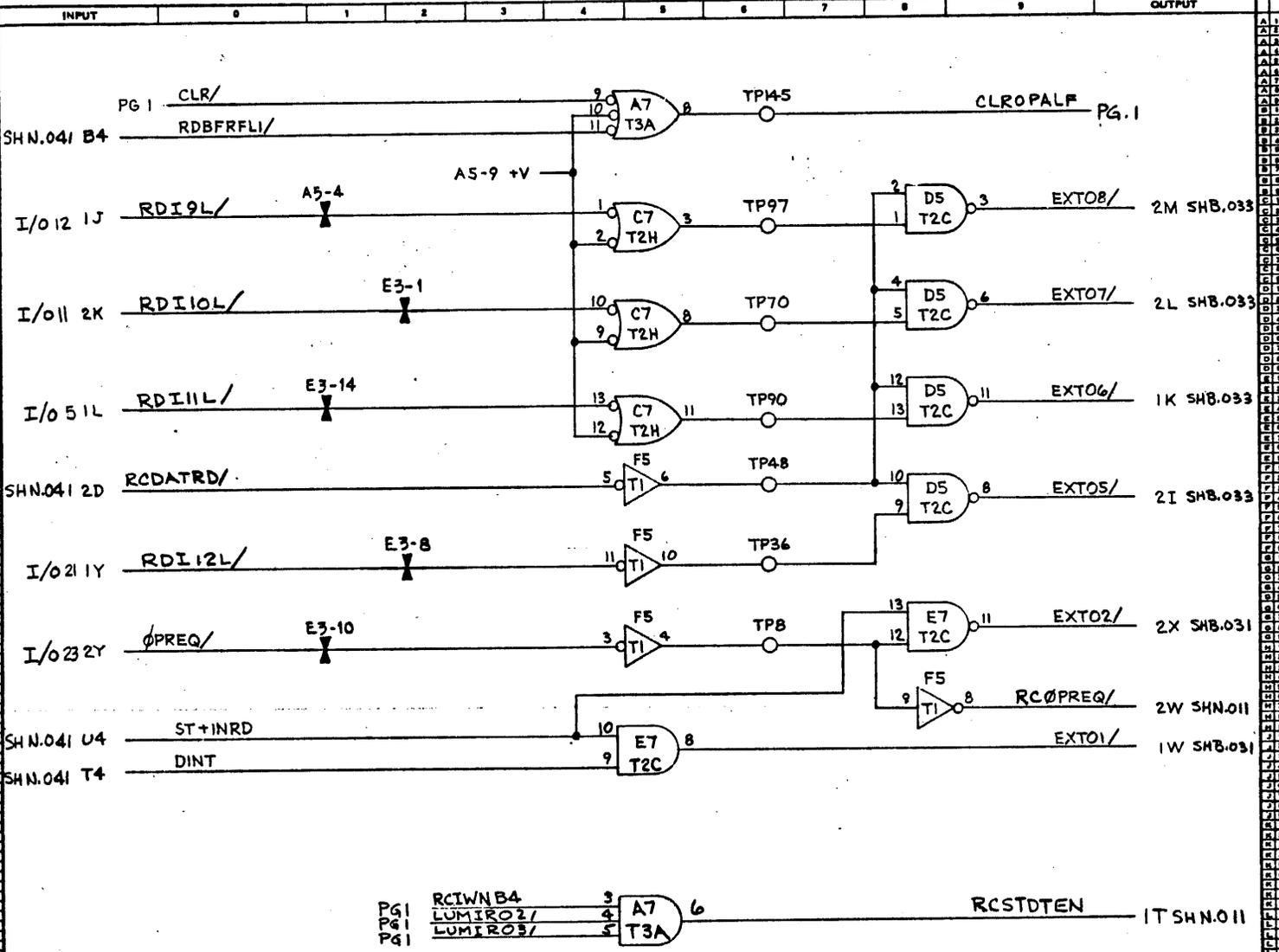
Burroughs Corporation
 MAGNETIC SYSTEMS PLANT
 DOWNTOWN, PA 19326

PRODUCTION

TITLE RC3 READER CONTROL NO.3
 SYSTEM B700
 DRAWN APPROVED
 CHECKED RELEASED 7-6-72

DWG. NO. 1448 8274
 PAGE 1 OF 2
 REV. LETTER E EGN 3507
 11-18-74 AET

SCHEMATIC



SU	1447 5396	2
T2H	1479 0240	2
T2C	1447 3581	3
T1	1447 3532	3
T3A	1447 3557	1
DF	1447 3607	1
CODE	PART NO.	QTY

SHN.032

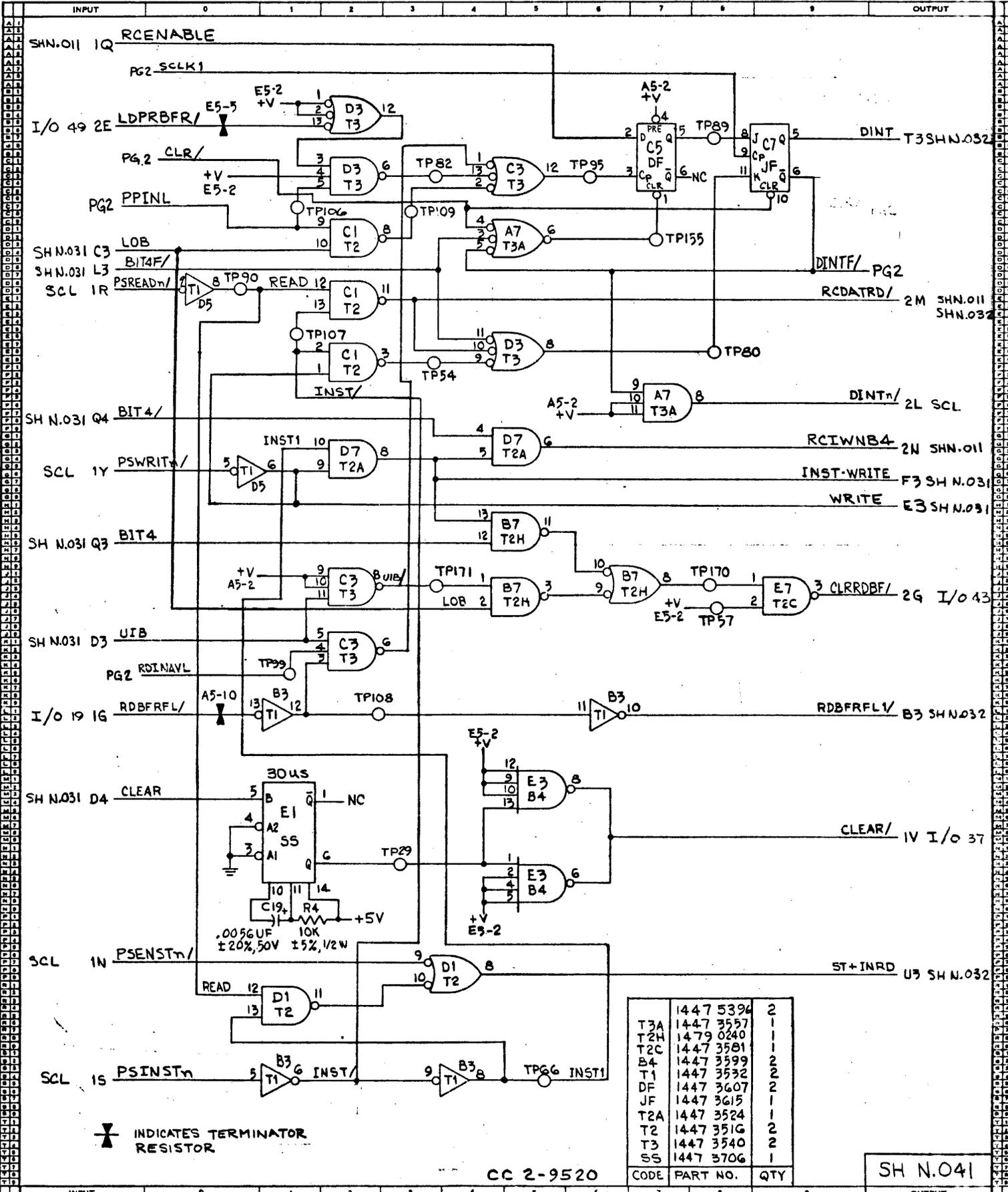
Burroughs Corporation
MAGNETIC SYSTEMS PLANT
DOWNTOWN, PA 19330

PRODUCTION

TITLE RC3 READER CONTROL No. 3
SYSTEM B 700
DRAWN
APPROVED
7-7-72

DWG. NO. 1448 8274
PAGE 2 OF 2
REV. LETTER E ECN 3507
11-18-74 AFT

SCHEMATIC



T3A	1447 5396	2
T2H	1447 3557	1
T2C	1447 3581	1
B4	1447 3599	2
T1	1447 3532	2
DF	1447 3607	2
JF	1447 3615	1
T2A	1447 3524	1
T2	1447 3516	2
T3	1447 3540	2
SS	1447 3706	1

CC 2-9520

SH N.041

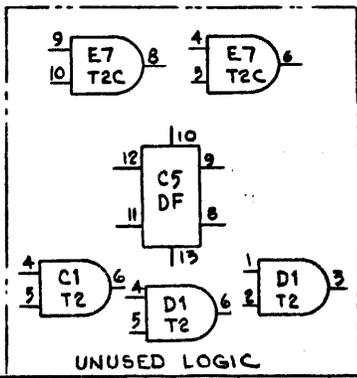
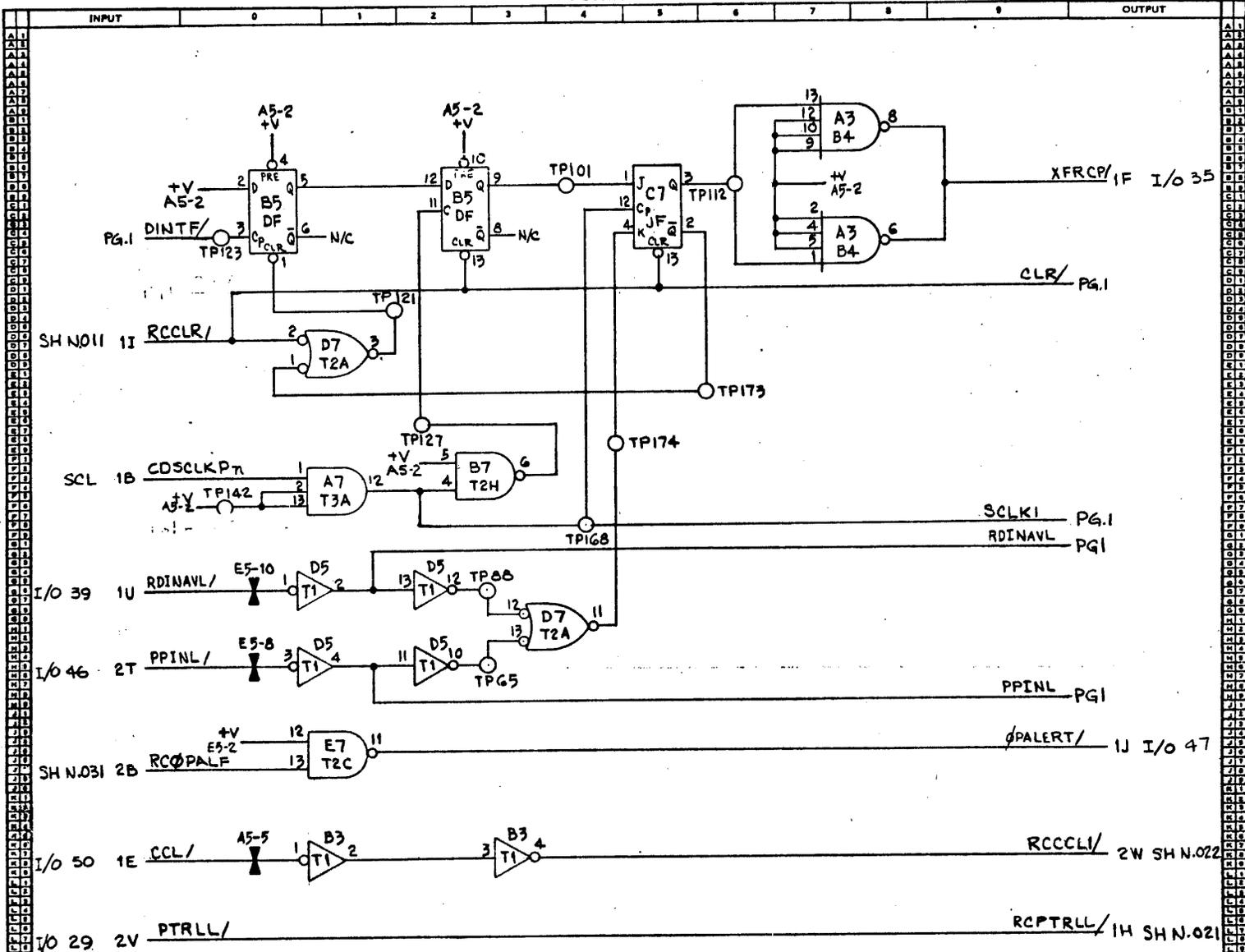
Burroughs Corporation
 MAGNETIC SYSTEMS PLANT DOWNINGTOWN, PA 19338
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PRODUCTION

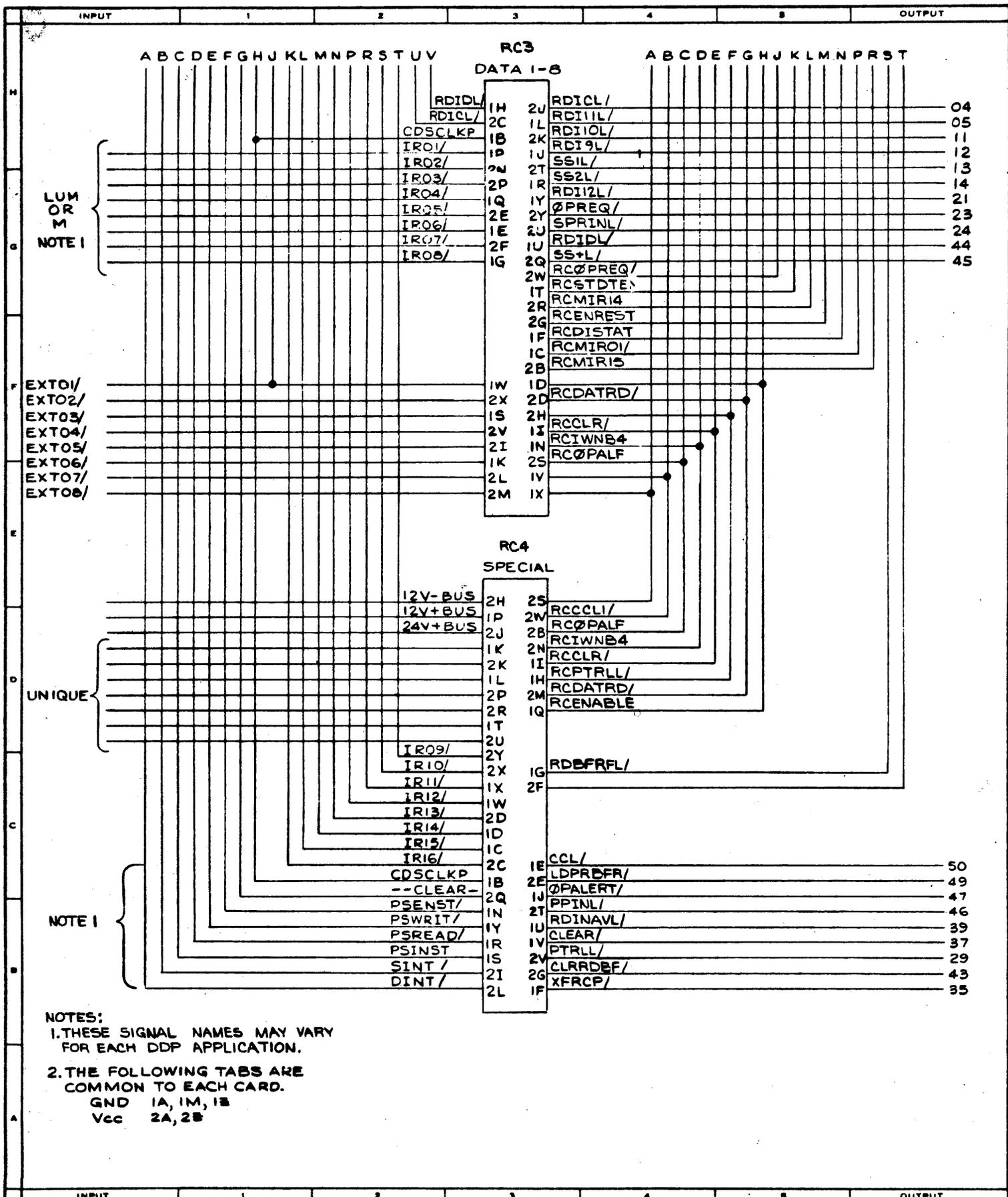
TITLE RC-4 9610 SPECIAL CONTROL
 SYSTEM B700
 DRAWN APPROVED
 CHECKED RELEASED 7-6-72

DWG. NO. 1448 8308
 PAGE 1 of 2
 REV. LETTER D ECN 5507
 11-16-74 4FT

SCHMATIC



SH N.042



LUM OR M
NOTE 1

EXT01/
EXT02/
EXT03/
EXT04/
EXT05/
EXT06/
EXT07/
EXT08/

UNIQUE

NOTE 1

NOTES:
1. THESE SIGNAL NAMES MAY VARY FOR EACH DDP APPLICATION.
2. THE FOLLOWING TABS ARE COMMON TO EACH CARD.
GND 1A, 1M, 1B
Vcc 2A, 2B

Burroughs Corporation		COMPUTER SYSTEMS GROUP DOWNTOWN PLANT DOWNTOWN PA. 19333		DOWNTOWN PLANT U.S. AMERICA		REVISIONS		TITLE DDP RC WIRING DIAGRAM		CLASS CODE 2-9520	
SHEET 2		DWG NO. 2606 9658		PLY NO. 038		REV. A		PRINTED IN U.S. AMERICA		42	

Burroughs Corporation



COMPUTER SYSTEMS GROUP

DOWNINGTOWN PLANT
DOWNINGTOWN, PENNSYLVANIA 19335

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PURPOSES EXCEPT ON BURROUGHS
ORDER OR PRIOR WRITTEN
CONSENT.

NUMBER

2606 3966

REV

B

TITLE

FIELD INSTALLATION INSTRUCTIONS FOR
80/96-COLUMN CARD READER CONTROL
OPTION (B311)

PREPARED BY

H. Caswell
H. Caswell
9-8-75

APPROVED BY

B. Dinerman
B. Dinerman
9-8-75

ORIGINAL RELEASE DATE

9-26-75

PAGE 1 OF 3

REVISIONS

LEVEL	DESCRIPTION	DATE	APPROVED
A	Initial Release <i>ER 109 REV 09</i>		
B	Revised per ECN 4448. Templates deleted, extension cord installation par. added, and decal part no. changed.	12-3-75	<i>W. Sample</i> <i>JS</i>

2606 3966



1. SCOPE

1.1 Scope.- This document defines the instructions for field installation of the B311 80/96-column card reader control option, M&E No. 1448 0321.

1.2 Option items.- The B311 control option consists of the following items:

Quantity	Description	Part No.
1	Circuit Card Assembly RC1	1448 8241
1	Circuit Card Assembly RC2	1447 5214
1	Circuit Card Assembly RC3	1448 8290
1	Circuit Card Assembly RC4	1448 8324
2	Connector Assembly	2605 0807
1	Cable Assembly	1449 1252
4	Pan Head Screw	1256 0397
4	Washer	1256 7426
1	Decal	2606 6241
1	Extension Cord	1448 8001

2. INSTALLATION INSTRUCTIONS

- (a) Insert the four circuit card assemblies into the appropriate DDP backplane locations in accordance with system requirements. Refer to the backplane map contained in the system FT&R documentation package for specific DDP card locations.
- (b) Attach the two connector assemblies to the frontplane connector end of the following card pairs:
 - RC1 and RC2
 - RC3 and RC4
- (c) On the insertion side of the backplane, attach the 50-pin connector end of the cable assembly which has the strain relief bracket to the appropriate I/O connector.
- (d) Secure the 50-pin connector on the other end of the cable assembly to the adapter panel using the pan head screws and washers provided.
- (e) For B711 and B771 systems only, mark on the connector assignment decal, located on the power control unit, the slots of the adapter panel which use this option.



- (f) Affix the decal to the configuration plate in the space for the DDP which uses this control option.
- (g) Supplement the length of the power cord on the peripheral device by utilizing extension cord (1448 8001).
- (h) Option installation is now completed.

9h

DWG NO. 2606 2299
 SHEET 1 OF 1
 3-11-75
 A RELEASED PER
 ERS 109 R 07
 B ECN 4585
 CAZ. 1-14-76

WIRE NO	CONDUCTOR			FROM			TO			REMARKS	WIRE NO	CONDUCTOR			FROM			TO			REMARKS
	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES			TERMINAL	TYPE OF TERMINATION	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	
1	16	RED	PI	K	1472 0817	P2	F	1471 5635	AC NEUT	26											
2	16	BLK	PI	H	1472 0817	P2	N	1471 5635	AC LINE	27											
3	16	RED	PI	D	1472 0817	P2	P	1471 5635	EMERG OFF	28											
4	16	BLK	PI	E	1472 0817	P2	R	1471 5635	EMERG OFF	29											
5	16	GRN/YEL	PI	R	1472 0817	E10	—	1321 9159	GRD	30											
6	16	BRN							SPARE	31											
7	16	BLK							SPARE	32											
8										33											
9										34											
10										35											
11										36											
12										37											
13										38											
14										39											
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19										44											
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21										46											
22										47											
23										48											
24										49											
25										50											

NOTES: 1. ◀ INDICATES TWISTED PAIR.

DRAWN A. TUREK 8-1-75
 CHECKED (d.B.)/mml 8-6-75
 DESGN OR ENGR DATE
 APPROVED (Signature) 8-6-75
 DATE

Burroughs Corporation
 SMALL SYSTEMS PLANT
 DOWNTOWN, PA. 19330, U. S. AMERICA
 TITLE WIRE LIST
 CABLE ASSY, PROCESSOR TO CONSOLE
 SHEET 1 OF 1
 DWG NO 2606 2299

CCZ-9520
 PROPRIETARY TO BURROUGHS CORP. - NOT TO BE REPRODUCED, NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT

DWG NO. 2605 9790
 SHEET 1 OF 2
 8-11-75
 RELEASED PER
 ER 709 REV D6
 A
 EGN 4401 GR
 SH 1 & 2 10-27-75
 B

WIRE NO.	CONDUCTOR		FROM			TO			REMARKS	WIRE NO.	CONDUCTOR		FROM			TO			REMARKS
	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION			SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	
1-1	24	BRN	P1	1	1472 0726	P2	49	1472 0726	IND5B/	26	24	YEL	P1	16	1472 0726	P2	1	1472 0726	KBD7/
1-2		BLK		3 (4)	1472 0767		6 (4)	1472 0767	GRD	27		BLK		18 (4)	1472 0767		20 (4)	1472 0767	GRD
1-3		BRN		2	1472 0726		46	1472 0726	IND6B/	28		YEL		17	1472 0726		22	1472 0726	KBD8/
1-4		BLK		3 (4)	---		6 (4)	---	GRD	29		BLK		18 (4)	---		20 (4)	---	GRD
1-5		BRN		4	1472 0726		39	1472 0726	IND7B/	30		YEL		19	1472 0726		34	1472 0726	CCRDYNC/
1-6		BLK		3 (4)	---		6 (4)	---	GRD	31		BLK		18 (4)	---		20 (4)	---	GRD
1-7		BRN		5	1472 0726		9	1472 0726	ALSEL/	32		YEL		20	1472 0726		42	1472 0726	CCRDYND
1-8		BLK		3 (4)	---		6 (4)	---	GRD	33		BLK		18 (4)	---		20 (4)	---	GRD
1-9		RED		6	1472 0726		17	1472 0726	ALIND/	34		GRN		21	1472 0726		23	1472 0726	ENDOPS/
1-10		BLK		8 (4)	1472 0767		10 (4)	1472 0767	GRD	35		BLK		23 (4)	1472 0767		26 (4)	1472 0767	GRD
1-11		RED		7	1472 0726		2	1472 0726	STRØBEI/	36		GRN		22	1472 0726		21	1472 0726	PCFID1/
1-12		BLK		8 (4)	---		10 (4)	---	GRD	37		BLK		23 (4)	---		26 (4)	---	GRD
1-13		RED		9	1472 0726		25	1472 0726	KBD1/	38		GRN		24	1472 0726		14	1472 0726	PCFID2/
1-14		BLK		8 (4)	---		10 (4)	---	GRD	39		BLK		23 (4)	---		26 (4)	---	GRD
1-15		RED		10	1472 0726		33	1472 0726	KBD2/	40		GRN		25	1472 0726		13	1472 0726	PCFID3/
1-16		BLK		8 (4)	---		10 (4)	---	GRD	41		BLK		23 (4)	---		26 (4)	---	GRD
1-17		ORN		11	1472 0726		15	1472 0726	KBD3/	42		BLUE		26	1472 0726		12	1472 0726	PCFID4/
1-18		BLK		13 (4)	1472 0767		16 (4)	1472 0767	GRD	43		BLK		28 (4)	1472 0767		30 (4)	1472 0767	GRD
1-19		ORN		12	1472 0726		32	1472 0726	KBD4/	44		BLUE		27	1472 0726		11	1472 0726	PCFID5/
1-20		BLK		13 (4)	---		16 (4)	---	GRD	45		BLK		28 (4)	---		30 (4)	---	GRD
1-21		ORN		14	1472 0726		3	1472 0726	KBD5/	46		BLUE		29	1472 0726		38	1472 0726	PCFID6/
1-22		BLK		13 (4)	---		16 (4)	---	GRD	47		BLK		28 (4)	---		30 (4)	---	GRD
1-23		ORN		15	1472 0726		41	1472 0726	KBD6/	48		BLUE		30	1472 0726		7	1472 0726	PCFID7/
1-24	24	BLK	P1	13 (4)	---	P2	16 (4)	---	GRD	49	24	BLK	P1	28 (4)	---	P2	30 (4)	---	GRD
1-25										50									

NOTES:

1. ◀ INDICATES TWISTED PAIR.
2. (3) (4) (5) INDICATES THREE, FOUR, OR FIVE WIRES TO ONE TERMINATION. USE ITEMS NO. 5 & 8.
3. FOR ASSY SEE 2605 9394.

LA

DRAWN	DATE
H. BURKHANS	7-10-75
CHECKED	DATE
<i>[Signature]</i>	7-24-75
DSGN OR ENGR	DATE
<i>[Signature]</i>	8-4-75
APPROVED	DATE
<i>[Signature]</i>	8/1/75

Burroughs Corporation 
 COMPUTER SYSTEMS GROUP
 DOWNTOWN PA 19335
 DOWNTOWN PLANT
 U.S. AMERICA
 TITLE WIRE LIST
 PROCESSOR TO CONSOLE CABLE - 60 CPS

CC2-9520
 PROPRIETARY TO BURROUGHS CORP. - NOT TO BE REPRODUCED, NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT

SHEET 1 OF 2
 DWG NO 2605 9790

DWG NO. 2605 9790
 SHEET 2 OF 2
 RELEASED PER ER # 109 REV06
 ECN4401 08-10-14-75

WIRE NO.	CONDUCTOR			FROM			TO			REMARKS	WIRE NO.	CONDUCTOR			FROM			TO			REMARKS
	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES			TERMINAL	TYPE OF TERMINATION	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	
1	24	VIO	P1	31	1472 0726	P2	8	1472 0726	PCFID8/	2-26	24	WHT	P1	42(2)	1472 0767	P2	47(2)	1472 0767	24V+DTN		
2		BLK		33(4)	1472 0767		36(4)	1472 0767	GRD	2-27		BLK		43(3)	---		48(5)	---	GRD		
3		VIO		39	1472 0726		31	1472 0726	PCFBHF/	2-28		WHT		42(2)	---		47(2)	---	24V+DTN		
4		BLK		33(4)	---		36(4)	---	GRD	2-29	24	BLK	P1	43(3)	---	P2	48(5)	---	GRD		
5		VIO		34	1472 0726		28	1472 0726	CP OFF	30											
6		BLK		33(4)	---		36(4)	---	GRD	31											
7		VIO		35	1472 0726		50	1472 0726	CLEAR	32											
8		BLK		33(4)	---		36(4)	---	GRD	33											
9		GRY		26	1472 0726		27	1472 0726	CERF/	34											
10		BLK		38(4)	1472 0767		40(4)	1472 0767	GRD	35											
11		GRY		37	1472 0726		37	1472 0726	LPCFB/	36											
12		BLK		38(4)	---		40(4)	---	GRD	37											
13		GRY		41	1472 0726		18	1472 0726	DTNP	38											
14		BLK		38(4)	---		40(4)	---	GRD	39											
15		GRY		40	1472 0726		35	1472 0726	CSHALT/	40											
16	24	BLK	P1	38(4)	---	P2	40(4)	---	GRD	41											
17										42											
18										43											
19	24	GRY	P3	44	1472 0726	P2	29	1472 0726	CSHALT	44											
20		BLK		42	---		48(5)	1472 0767	GRD	45											
21		GRY		45	---		43	1472 0726	CCPWR/	46											
22		BLK	P3	40	---		48(5)	---	GRD	47											
23		WHT	P1	32	1472 0726		19	1472 0726	PCFID/	48											
24	24	BLK	P1	43(3)	1472 0767	P2	48(5)	---	GRD	49											
25										50											

NOTES:

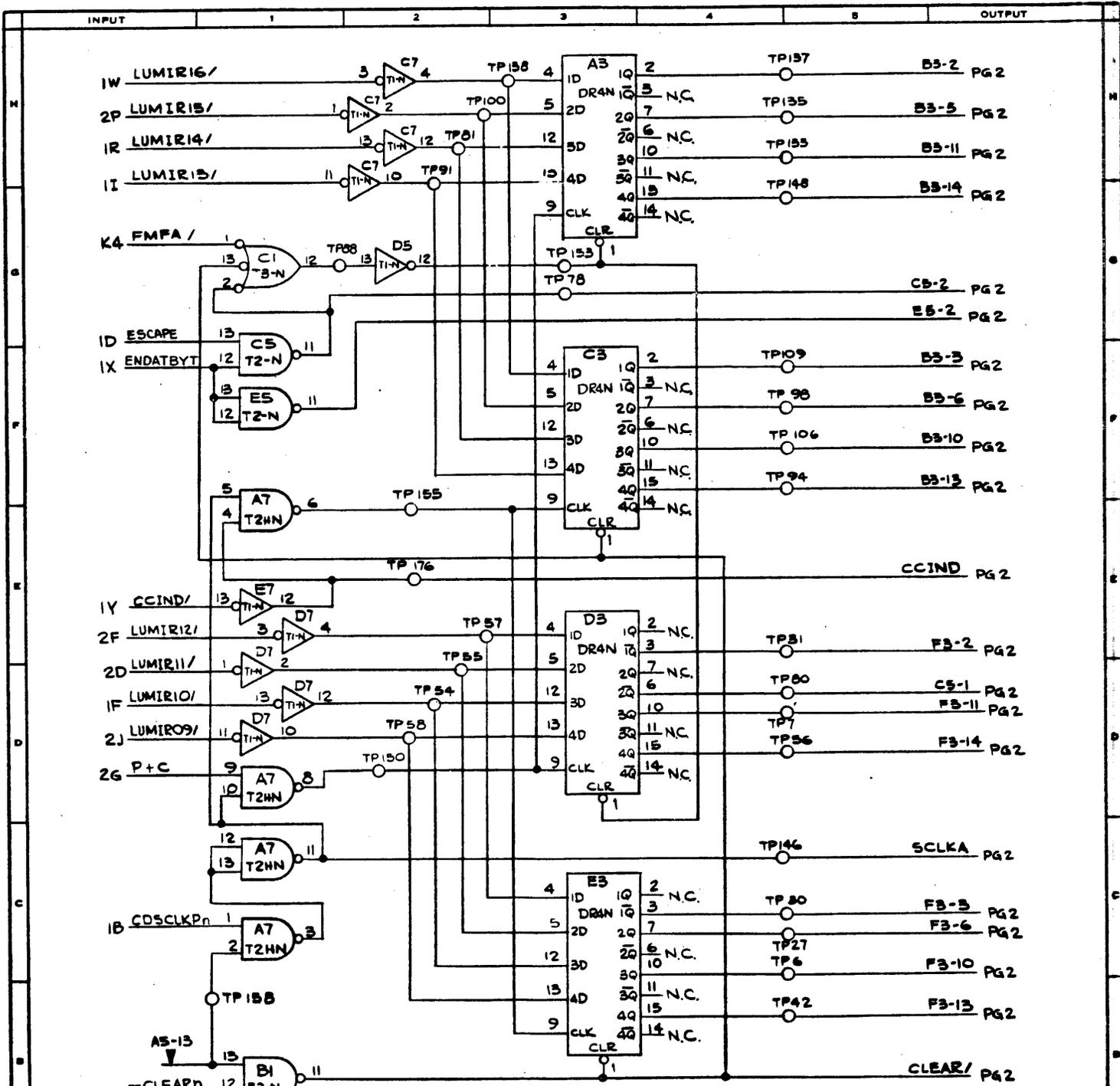
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DRAWN H. BURHANS 7-10-75
 CHECKED *H. Burhans* 7-24-75
 DESGN OR ENGR *H. Burhans* 8-4-75
 APPROVED *H. Burhans* 11-11-75

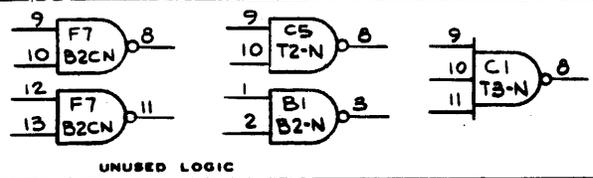
Burroughs Corporation
 COMPUTER SYSTEMS GROUP DOWNINGTOWN PA. 19335
 DOWNINGTOWN PLANT U.S. AMERICA
 TITLE WIRE LIST
 PROCESSOR TO CONSOLE CABLE - 60 CPS

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SHEET 2 OF 2 DWG NO 2605 9790



NOTES:
 1. * INDICATES DEDICATED VIA UNAVAILABLE.
 2. V INDICATES PULL-UP RESISTOR (450 Ω)
 3. # INDICATES TERMINATOR RESISTOR.



CODE	PART NO.	QTY	LOCATION
RM0D	2606 0368	1	
T2HN	4479 0240	1	
DR4N	4449 1278	4	
B2-N	4447 9596	1	
B2-N	4447 3797	2	
JF-N	4447 3615	2	
B2CN	4447 3581	2	
T3-N	4447 3540	1	
T1-N	4447 3532	4	
T2-N	4447 3516	2	

Burroughs Corporation
 COMPUTER SYSTEMS GROUP DOWNTOWN PLANT
 DOWNTOWN, PA. 19335 U.S. AMERICA

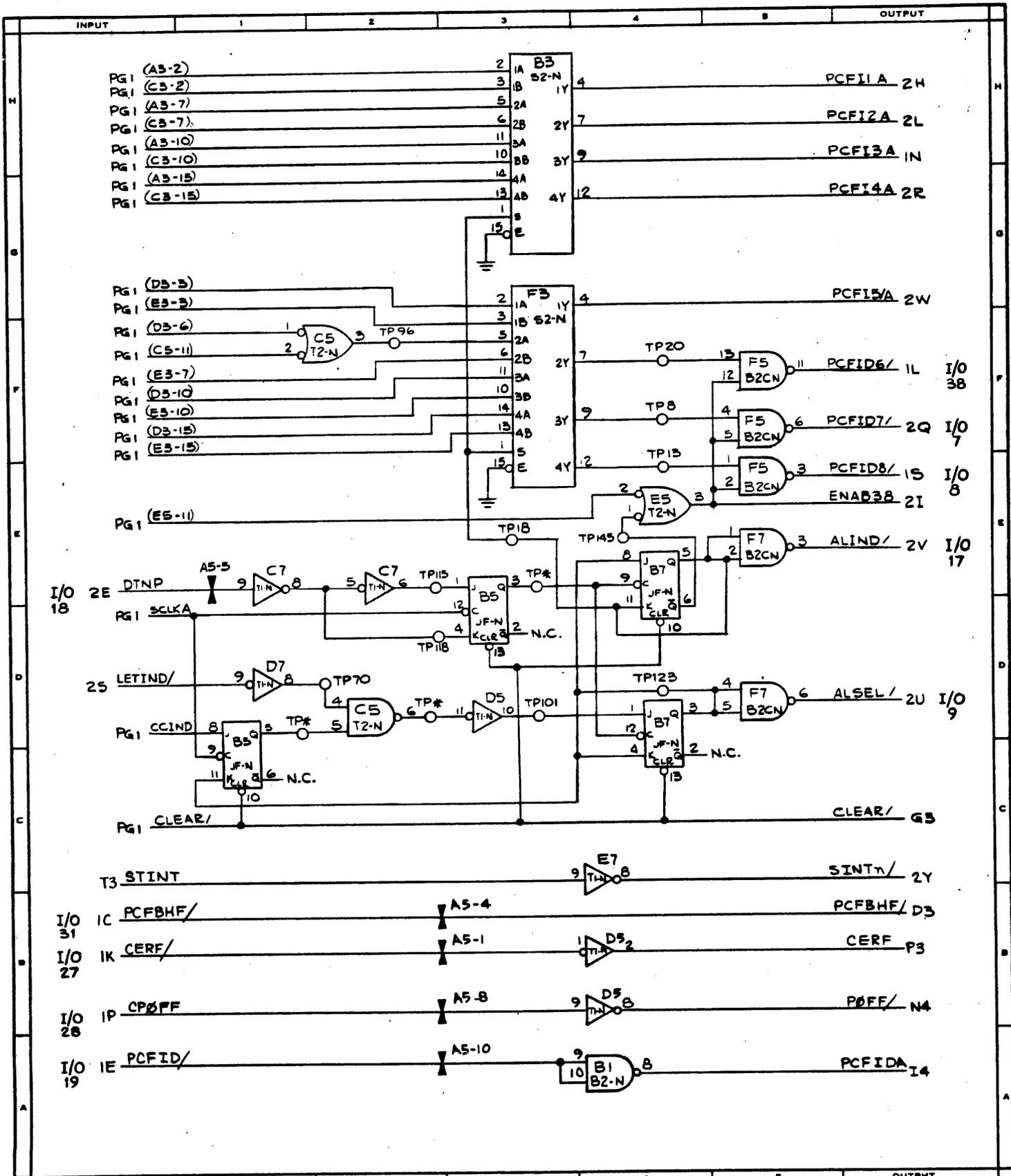
REV SH CCA 1 2 3

DESIGNED BY: A. TUREK DATE: 6-29-75
 CHECKED BY: P. S. ALLEN DATE: 8-3-75
 DRAWN BY: E. B. BROWN DATE: 7-4-75

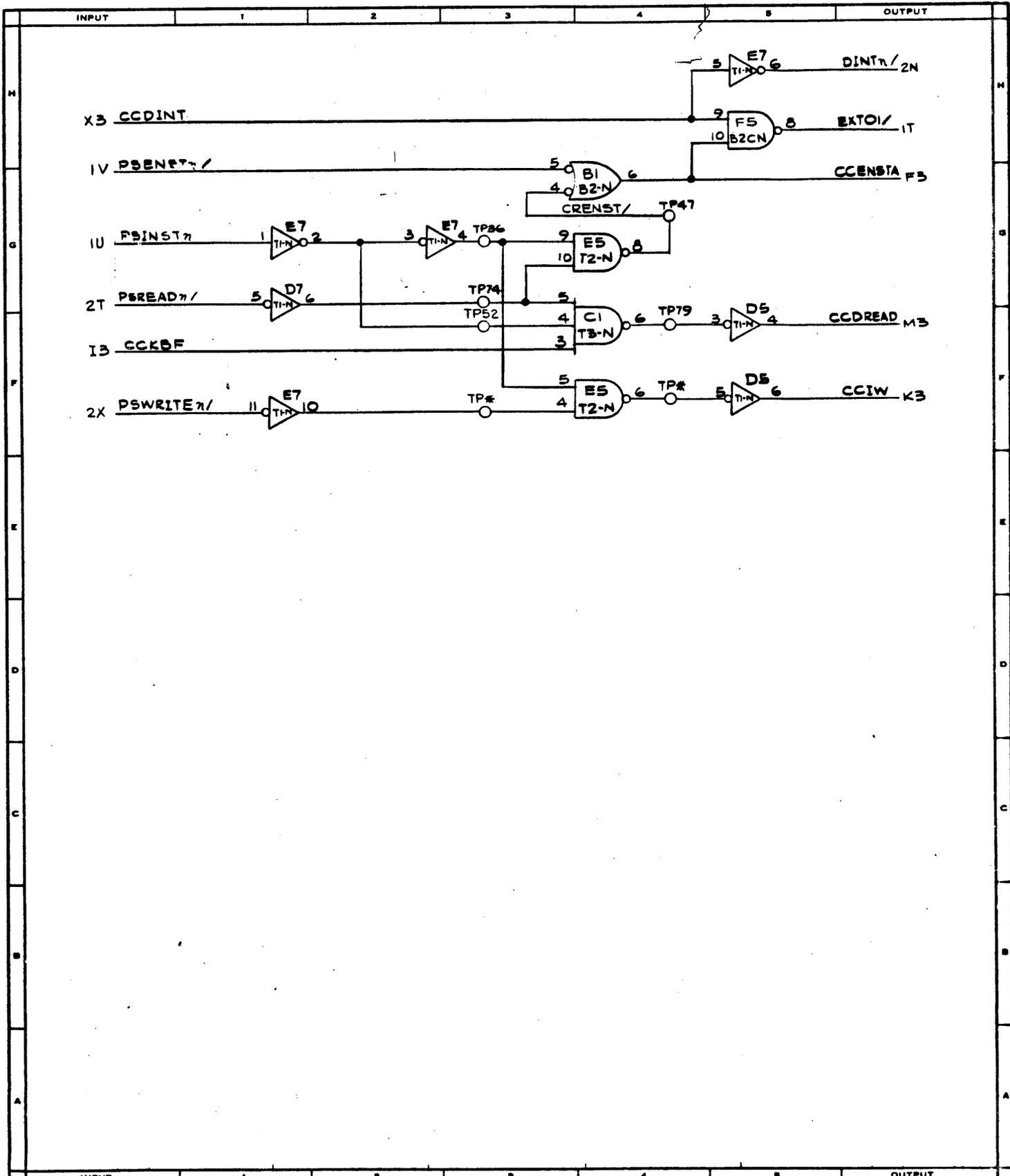
TITLE: CS1
 SHEET: 1 of 3
 DWG NO.: 2605 8966
 CLASS CODE: 2-9520
 PLY NO.: 038
 REV: C

49

PRINTED IN U.S. AMERICA



<p>50 Burroughs Corporation</p> <p>COMPUTER SYSTEMS GROUP DOWNTOWN PLANT DOWNTOWN, PA. 19225 U.S. AMERICA</p> <p style="font-size: small;">PROPERTY TO BURROUGHS CORP - NOT TO BE REPRODUCED, NOW USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT PRINTED IN U.S. AMERICA</p>	<p>REVISIONS</p>	<p>50</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">TITLE</td> <td colspan="2">CLASS CODE</td> </tr> <tr> <td colspan="2" style="text-align: center;">CS1</td> <td colspan="2" style="text-align: center;">2-9520</td> </tr> <tr> <td>SHEET</td> <td>DWG NO.</td> <td>PLT NO.</td> <td>REV</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">2605 8966</td> <td style="text-align: center;">038</td> <td style="text-align: center;">C</td> </tr> </table>	TITLE		CLASS CODE		CS1		2-9520		SHEET	DWG NO.	PLT NO.	REV	2	2605 8966	038	C
TITLE		CLASS CODE																	
CS1		2-9520																	
SHEET	DWG NO.	PLT NO.	REV																
2	2605 8966	038	C																



Burroughs Corporation
 COMPUTER SYSTEMS GROUP DOWNTOWN PLANT
 DOWNTOWN, PA. 19322 U.S. AMERICA

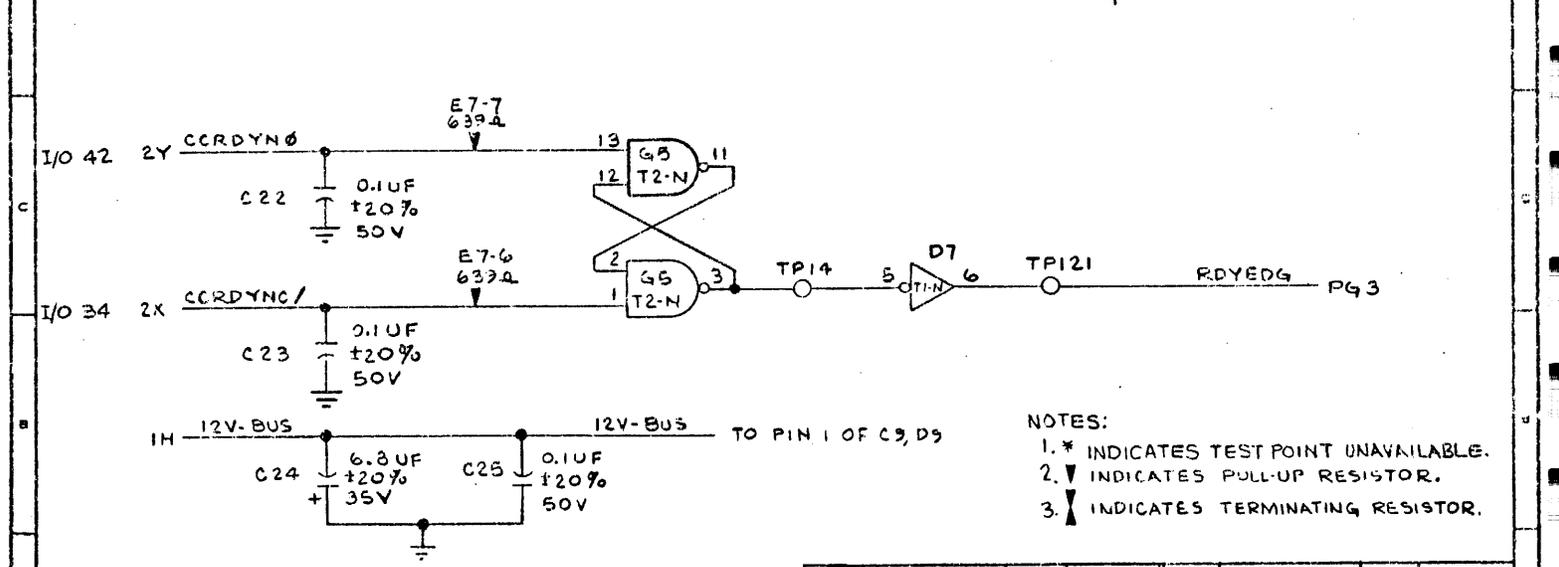
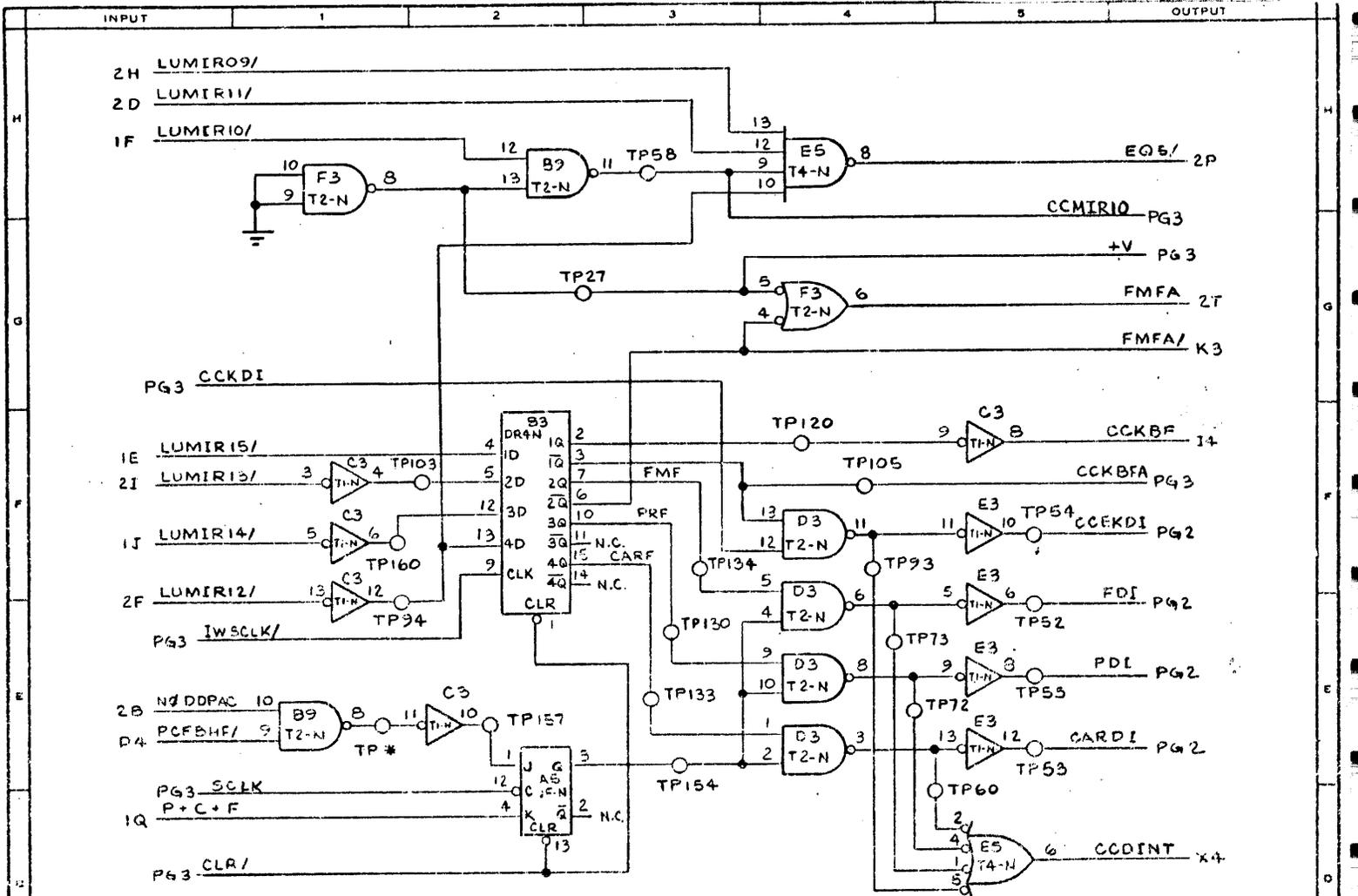
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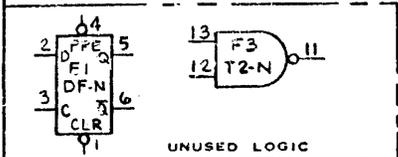
--	--	--	--	--	--

TITLE		CLASS CODE	
CSI		2-9520	
SHEET	DWG NO.	PLY NO.	REV
3	2605 8966	038	A

51



- NOTES:
1. * INDICATES TEST POINT UNAVAILABLE.
 2. ▼ INDICATES PULL-UP RESISTOR.
 3. ▽ INDICATES TERMINATING RESISTOR.



DF-N	1447 3607	1		RM0D	1447 5396	2	
FF0I	1448 9165	2		TA-N	1447 3565	1	
B2-N	1447 3797	2		E2CN	1447 3581	2	
DR4N	1447 1260	1		T2-N	1447 3516	5	
DR4N	1447 1278	2		JF-N	1447 3615	3	
T2HN	1479 0240	1		TEAH	1447 3557	1	
T2AN	1447 3524	1		TI-N	1447 3532	4	
CODE	PART NO.	QTY	LOCATION	CODE	PART NO	QTY	LOCATION

52 Burroughs Corporation

COMPUTER SYSTEMS GROUP DOWNTOWN PLANT
DOWNTOWN, PA. 19335 U.S. AMERICA

REV 1 B B B
SH 1 2 3

REVISIONS
A REL 10/1/75
B REVISED 10/1/75

52

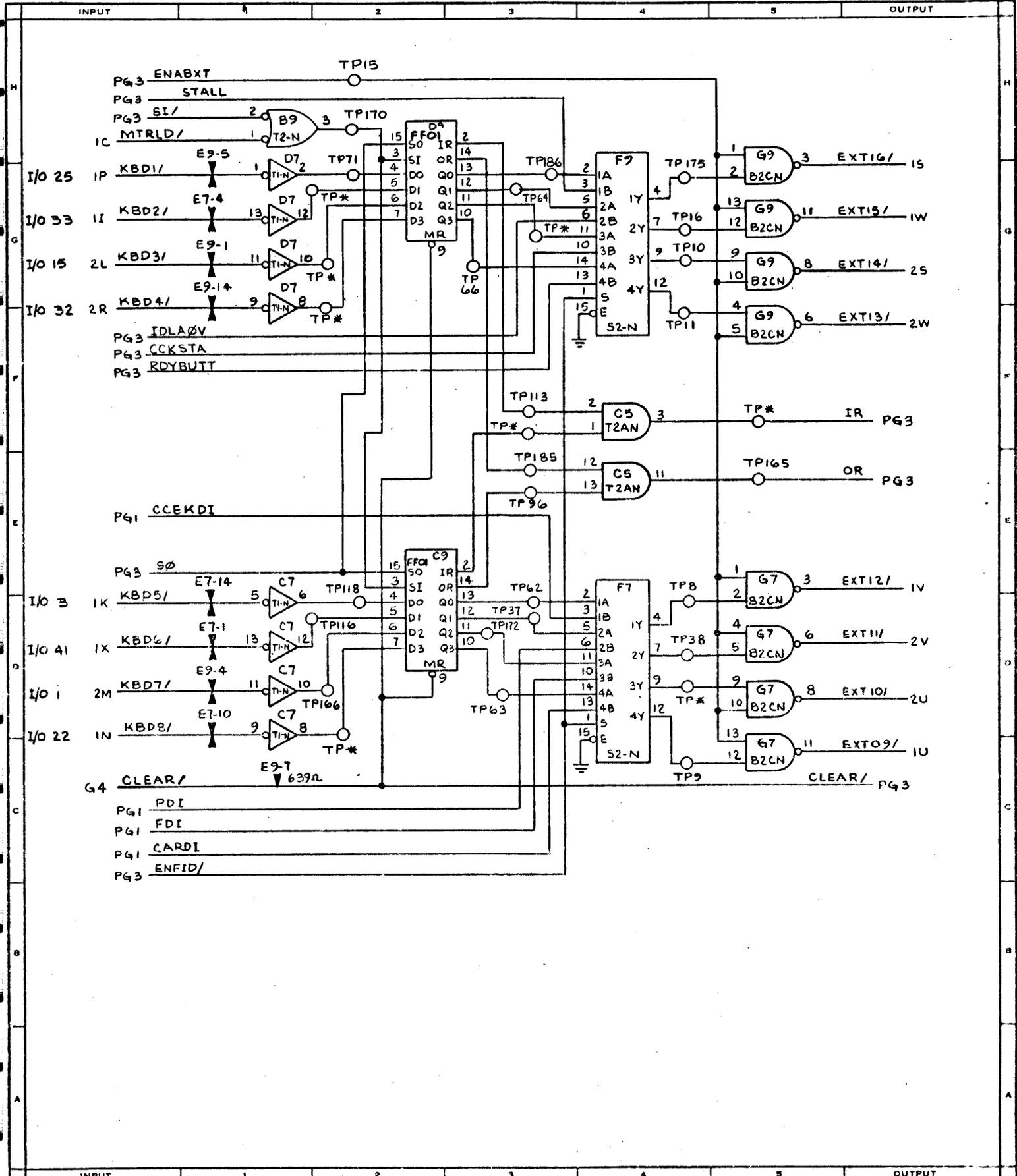
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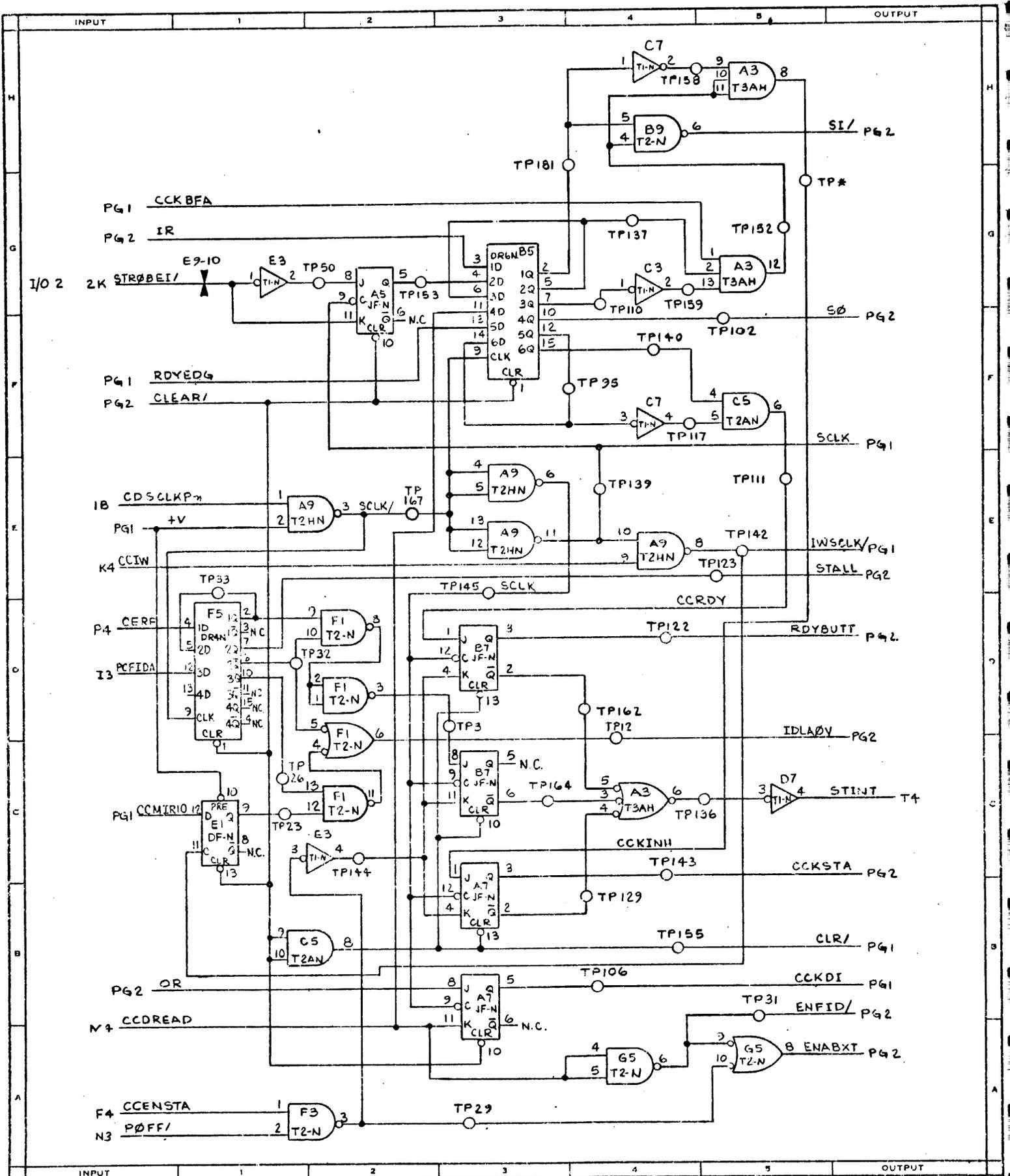
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SHEET 1 of 3 DWG NO. 2605 8990 CLASS CODE 2-9520

FLY NO. 038 REV D

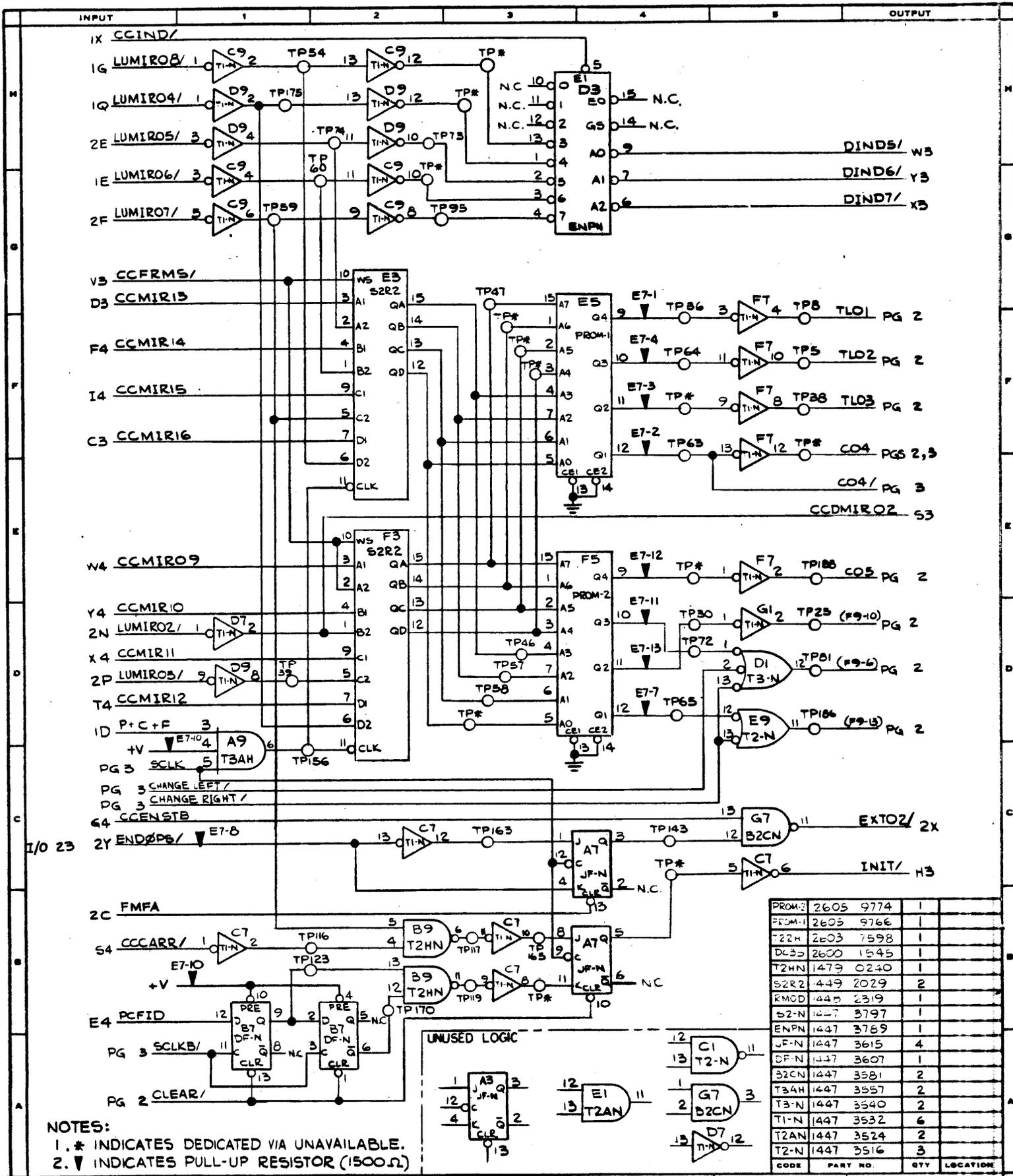
PRINTED IN U.S. AMERICA





<p>54 Burroughs Corporation</p> <p>COMPUTER SYSTEMS GROUP DOWNTOWN PLANT DOWNTOWN PA. 19333</p> <p>DOWNTOWN PLANT U.S. AMERICA</p>	<p>REVISIONS</p>	<p style="font-size: 2em; font-weight: bold;">54</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">TITLE</td> <td colspan="2">CLASS CODE</td> </tr> <tr> <td colspan="2" style="text-align: center;">CS2</td> <td colspan="2" style="text-align: center;">2-9520</td> </tr> <tr> <td>SHEET</td> <td>DWG. NO.</td> <td>PLT. NO.</td> <td>REV.</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">2605 8990</td> <td style="text-align: center;">038</td> <td style="text-align: center;">B</td> </tr> </table>	TITLE		CLASS CODE		CS2		2-9520		SHEET	DWG. NO.	PLT. NO.	REV.	3	2605 8990	038	B
TITLE		CLASS CODE																	
CS2		2-9520																	
SHEET	DWG. NO.	PLT. NO.	REV.																
3	2605 8990	038	B																

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PROM#	2605	9774	1
PROM-1	2605	9766	1
T22H	2603	7598	1
DC3D	2600	1545	1
T2HN	1479	0240	1
S2R2	449	2029	2
RM0D	445	2319	1
S2-N	447	3797	1
ENPN	447	3789	1
JF-N	447	3615	4
DF-N	447	3607	1
B2CN	447	3581	2
T34H	447	3557	2
T3-N	447	3540	2
T1-N	447	3532	6
T2AN	447	3524	2
T2-N	447	3516	3
CODE	PART NO.	QTY	LOCATION

NOTES:
 1. * INDICATES DEDICATED VIA UNAVAILABLE.
 2. ▽ INDICATES PULL-UP RESISTOR (1500Ω)

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 COMPUTERS SYSTEMS GROUP DOWNTOWN PLANT
 DOWNTOWN, PA. 19333 U.S. AMERICA

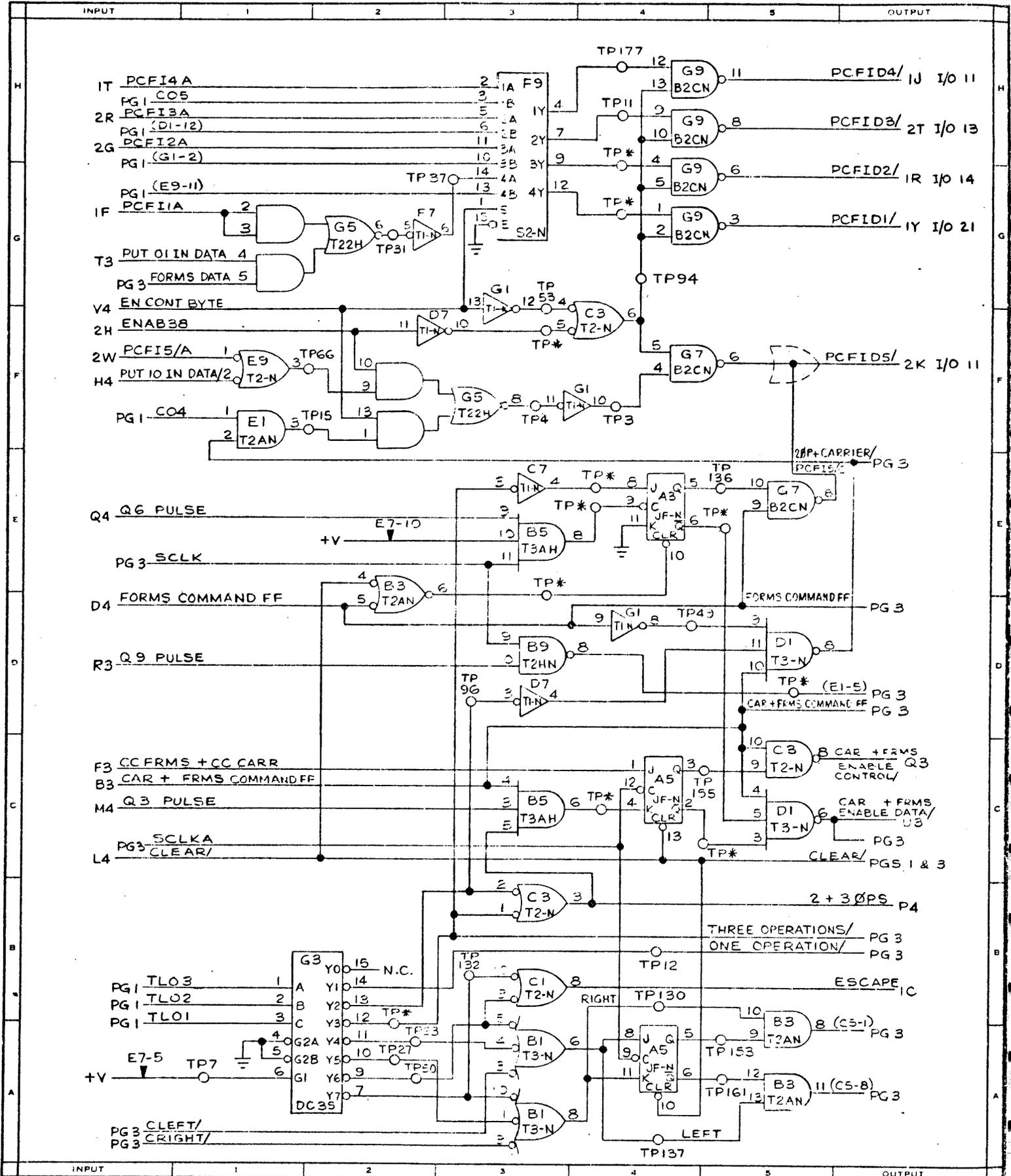
REV	D	C	C
SH	1	2	3

REV	DATE	BY
A	8-2-75	ELI098
B	8-2-75	ELI098
C	8-2-75	ELI098
D	8-2-75	ELI098

APPROVED	DATE	TITLE
<i>[Signature]</i>	9-3-75	CS3

CLASS CODE	PLT NO.	REV
2-952D	038	D

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DRAWING 44-131-25507

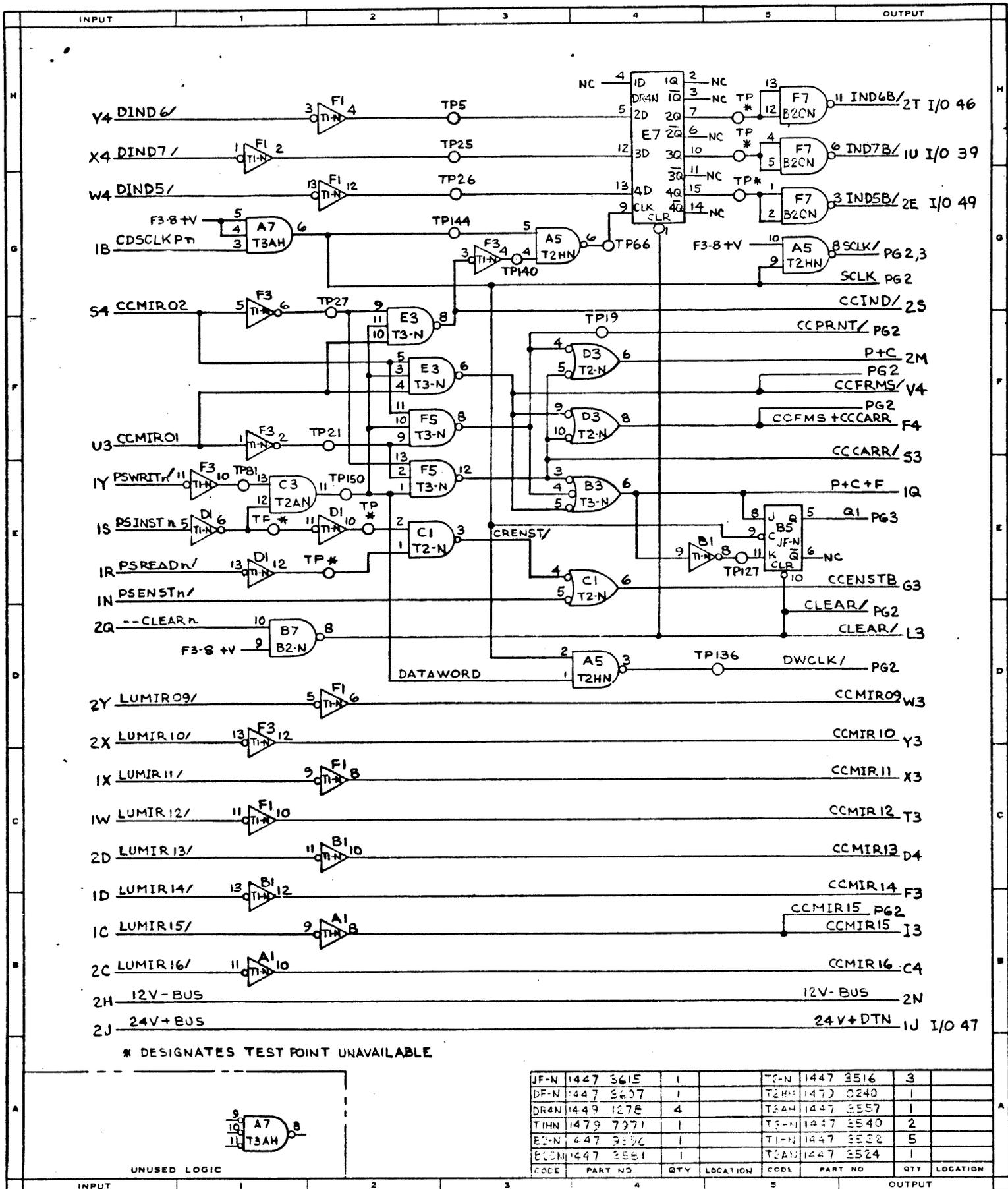
56 Burroughs Corporation

COMPUTER SYSTEMS GROUP DOWNTOWN PLANT
DOWNTOWN, PA 19335 U.S. AMERICA

REVISIONS

TITLE		CLASS CODE	
CS3		2-9520	
SHEET	DWG NO	PLT NO	REV
2	2605 3022	038	1D

56



* DESIGNATES TEST POINT UNAVAILABLE



UNUSED LOGIC

JF-N	1447	3615	1	TC-N	1447	3516	3
DF-N	1447	3637	1	T2HN	147	0240	1
DR4N	1449	127E	4	TS4H	1447	3557	1
TIHN	1479	7971	1	T3-N	1447	3540	2
EC-N	447	9596	1	TI-N	1447	3532	5
ECM	1447	3551	1	TS4N	1447	3524	1
CODE	PART NO.	QTY	LOCATION	CODE	PART NO.	QTY	LOCATION

58 Burroughs Corporation

COMPUTER SYSTEMS GROUP DOWNTOWN PLANT U.S. AMERICA

REV E 10 D

DATE 12 2 5

CLIPSCOFF B-6-75

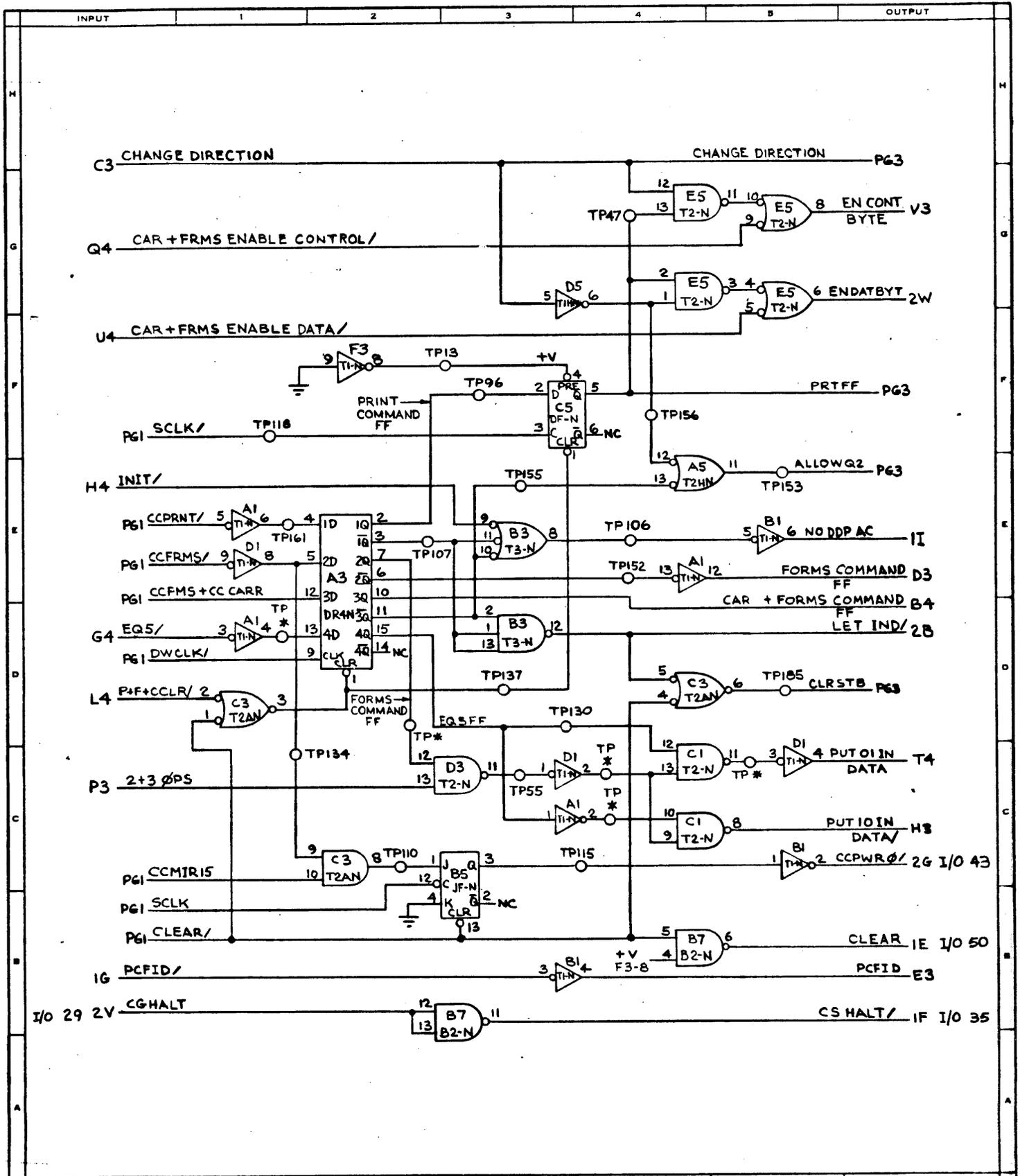
TITLE CS4

CLASS CODE 2-9520

58

1 of 3 2605 9055 038 E

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DOWNTOWN PA. 19335 U.S. AMERICA

REVISIONS

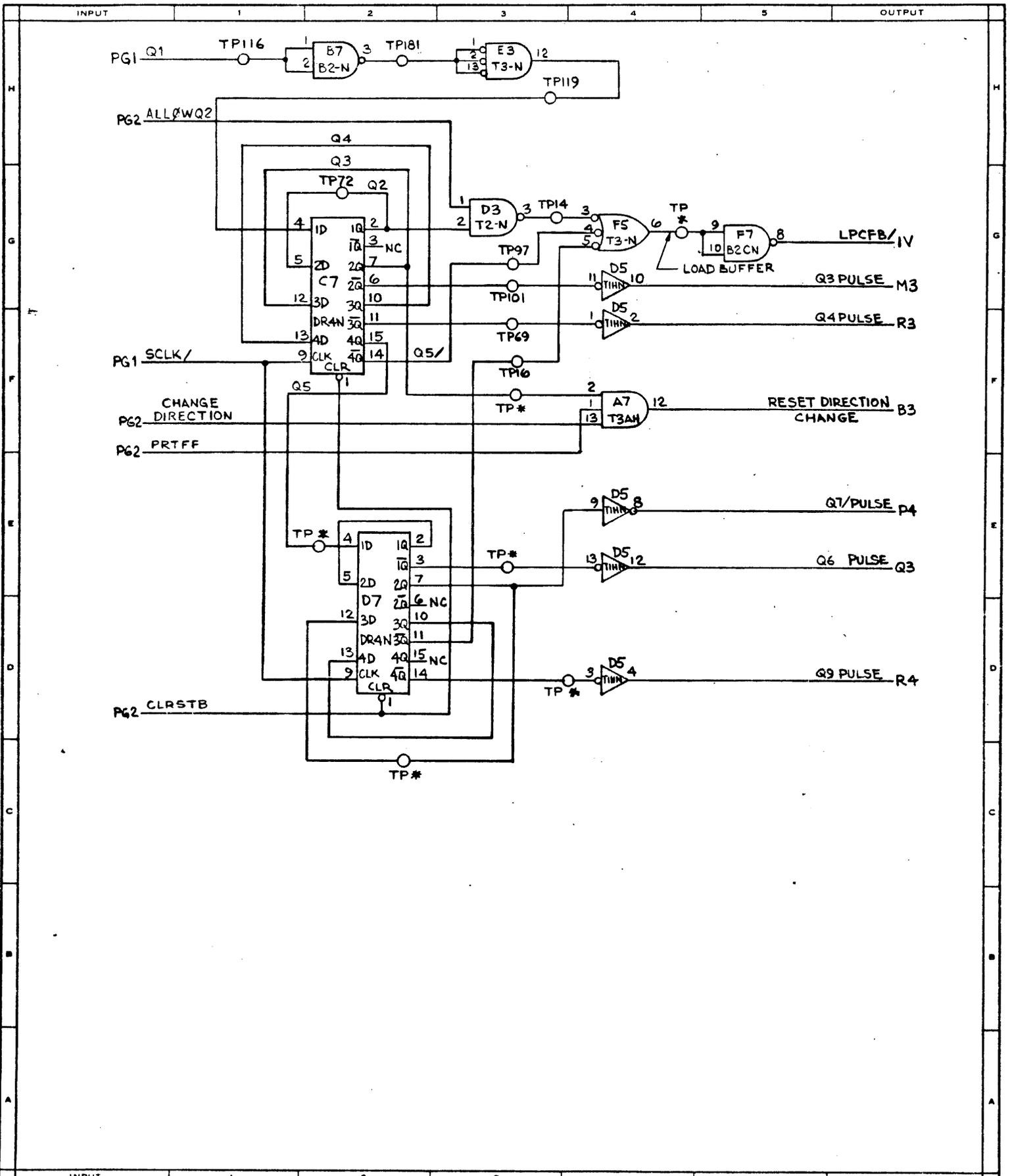
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SHEET	DWG NO	PLY NO.	REV
2	2605 9055	038	D

57

DRAWING 44-131 25007

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DTN 149 12-74



INPUT	1	2	3	4	5	OUTPUT
PG1 Q1	TP116	B7 B2-N	TP181	E3 T3-N	TP119	
PG2 ALL/WQ2		Q4	Q3	TP72 Q2	D3 T2-N	TP14
PG1 SCLK/		Q5/		TP97	F5 T3-N	TP*
PG2 CHANGE DIRECTION				TP101	D5	LOAD BUFFER
PG2 PRTFF				TP69	D5	Q3 PULSE M3
PG2 CLRSTB				TP16	D5	Q4 PULSE R3
				TP*	A7 T3AN	RESET DIRECTION CHANGE B3
				TP*	D5	Q7/PULSE P4
				TP*	D5	Q6 PULSE Q3
				TP*	D5	Q9 PULSE R4

BRUNING 44 131 25307

60 Burroughs Corporation 

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DOWNTOWN PA. 19333 U.S. AMERICA

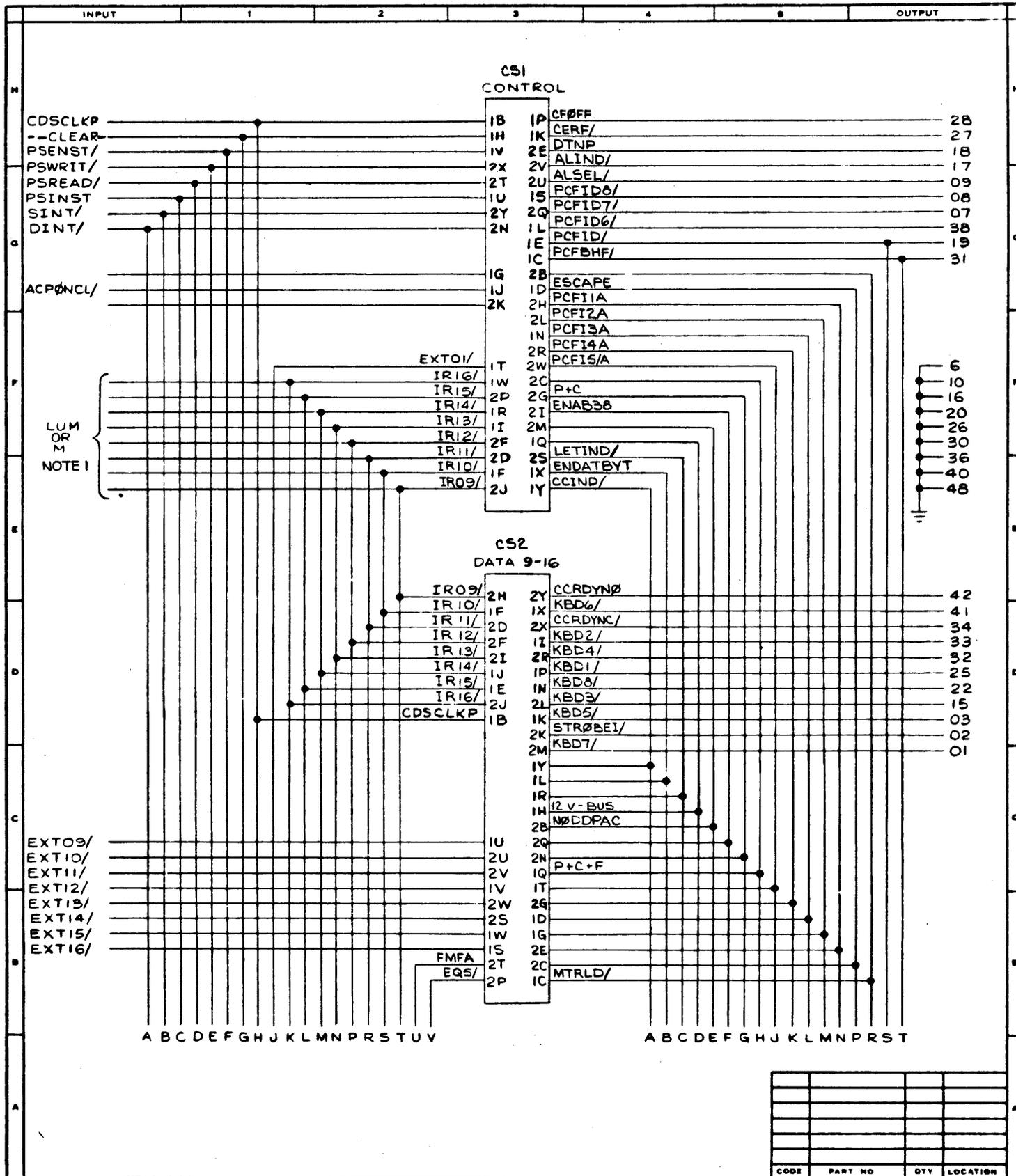
REVISIONS

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PRINTED IN U.S. AREA: A

TITLE		CLASS CODE	
CS4		2-9520	
SHEET	DWG. NO.	PLT. NO.	REV.
3	2605 9055	038	D

60



CODE	PART NO	QTY	LOCATION

Burroughs Corporation

COMPUTER SYSTEMS GROUP DOWNTOWN PLANT
DOWNTOWN, N. J. 07035 U.S. AMERICA

REV AA

SH 12

REVISIONS

A REL 2/21/76

B 1/10/76

DESIGNER: C. ZUTSKI

DATE: 1-8-76

BY: R. P. ...

DATE: 1-20-76

CHECKED: ...

DATE: 3-1-76

TITLE: DDP CS WIRING DIAGRAM

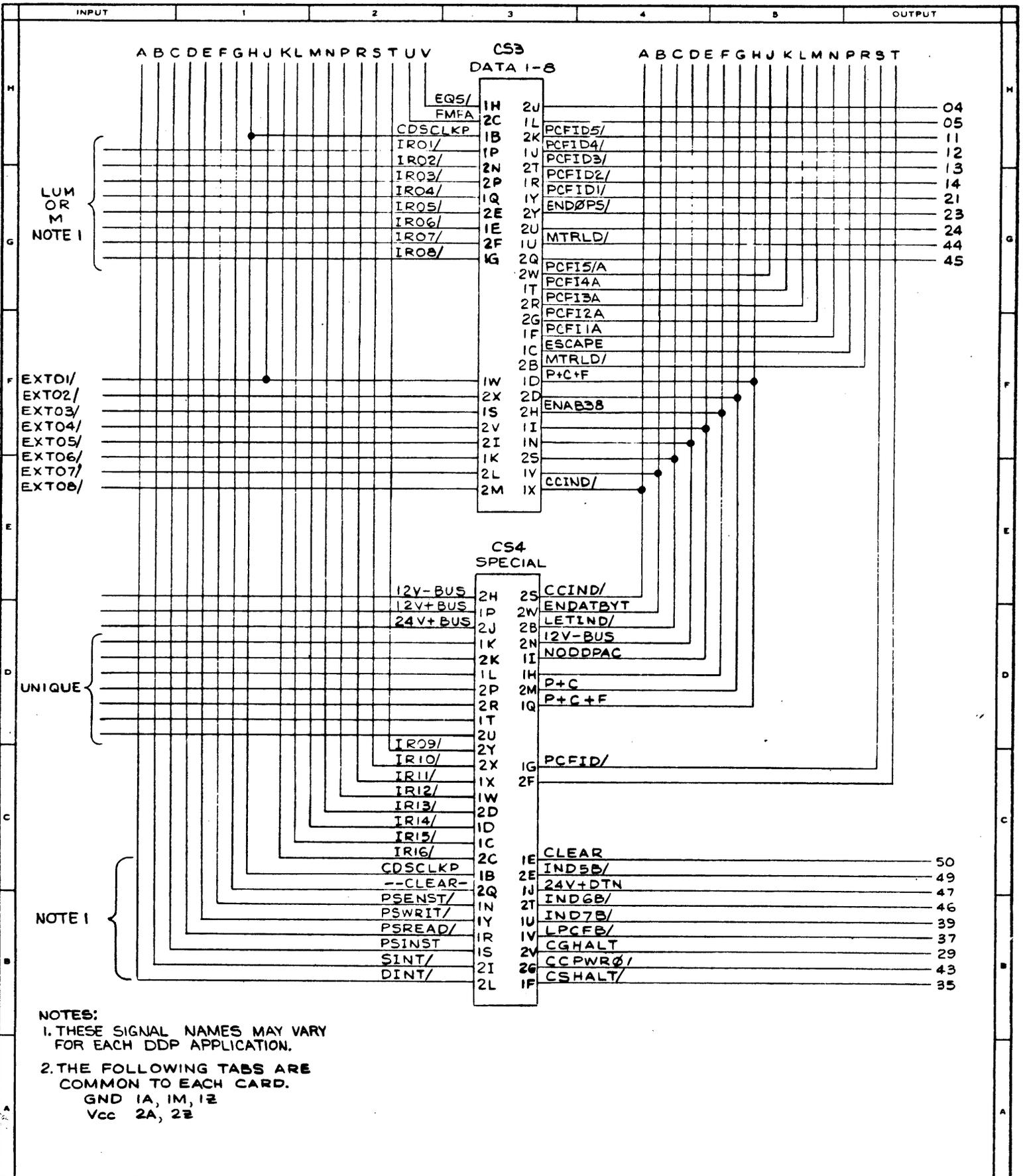
SHEET: 1 OF 2

DWG NO.: 2606 9591

CLASS CODE: 2-9520

REV: A

PLY NO.: 038



Burroughs Corporation
SMALL SYSTEMS GROUP



DOWNINGTOWN PLANT
 DOWNINGTOWN, PENNSYLVANIA 19335

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NUMBER

2846 2943

REV

A

TITLE

FIELD INSTALLATION INSTRUCTIONS FOR
 CONSOLE CONTROL OPTION (B346-3 & B346-5)

PREPARED BY

W. Spingler

W. Spingler 12/16/74

APPROVED BY

H. Caswell

H.R. Caswell 1/3/77

ORIGINAL RELEASE DATE

1-10-77

PAGE 1 OF 3

REVISIONS

LEVEL	DESCRIPTION	DATE	APPROVED
A	Initial Release. ER 118 Rev 20		

2846 2943

62A



1. SCOPE

1.1 Scope. - This document defines the instructions for field installation of the following console control options:

<u>Style No.</u>	<u>M&E No.</u>
B346-3	2605 3850
B346-5	2605 3850

1.2 Option items. - The control options consist of the following items:

<u>Quantity</u>	<u>Description</u>
1	Circuit Card Assembly CS1
1	Circuit Card Assembly CS2
1	Circuit Card Assembly CS3
1	Circuit Card Assembly CS4
2	Connector Assembly
1	Cable Assembly (2605 9394)
1	Cable Assembly (2606 2281)
1	Decal

2. INSTALLATION INSTRUCTIONS

- (a) Insert the four circuit card assemblies into the appropriate DDP backplane locations in accordance with system requirements. Refer to the backplane map contained in the system FT&R documentation package for specific DDP card locations.
- (b) Attach the two connector assemblies to the frontplane connector end of the following card pairs:
- CS1 and CS2
- CS3 and CS4
- (c) Attach connectors P1, P2, and P3 of 2605 9394 cable assembly as follows:
- P1 - To connector J43 of the B9343 console.
- P2 - To appropriate I/O connector on insertion side of processor backplane.
- P3 - To appropriate processor connector designated for SPO indicators on insertion side of backplane. Refer to the backplane map contained in the system FT&R documentation package for specific SPO indicator connector locations.

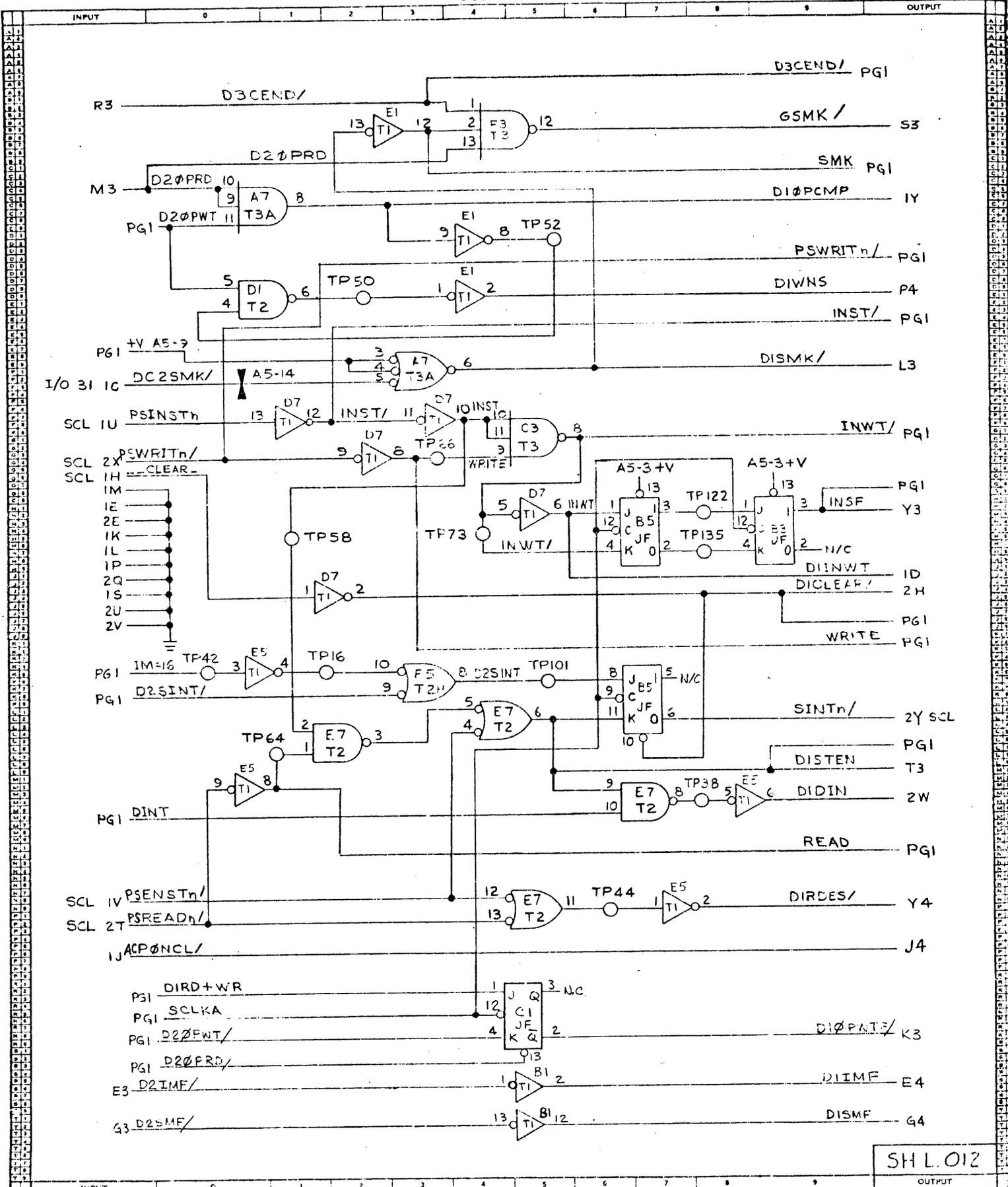


- (d) Install 2606 2281 cable assembly by connecting the connector end marked "J14" to connector J14 of the 9343 console. Connect the other end of the cable assembly to the applicable power control assembly connector as follows:

<u>Power Control Assy. Connector</u>	<u>System</u>
J11	B711-3
HJ6	B721-1
HJ1	B800

- (e) Affix the decal to the configuration plate in the space for the DDP location which has this control installed.
- (f) Option installation is now complete.

SCHEMATIC



SHL.012

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TITLE DCI DISK CONTROL
 SYSTEM E700
 DRAWN BY McCLAIN CHECKED
 APPROVED BY [Signature] RELEASED 1-1-82

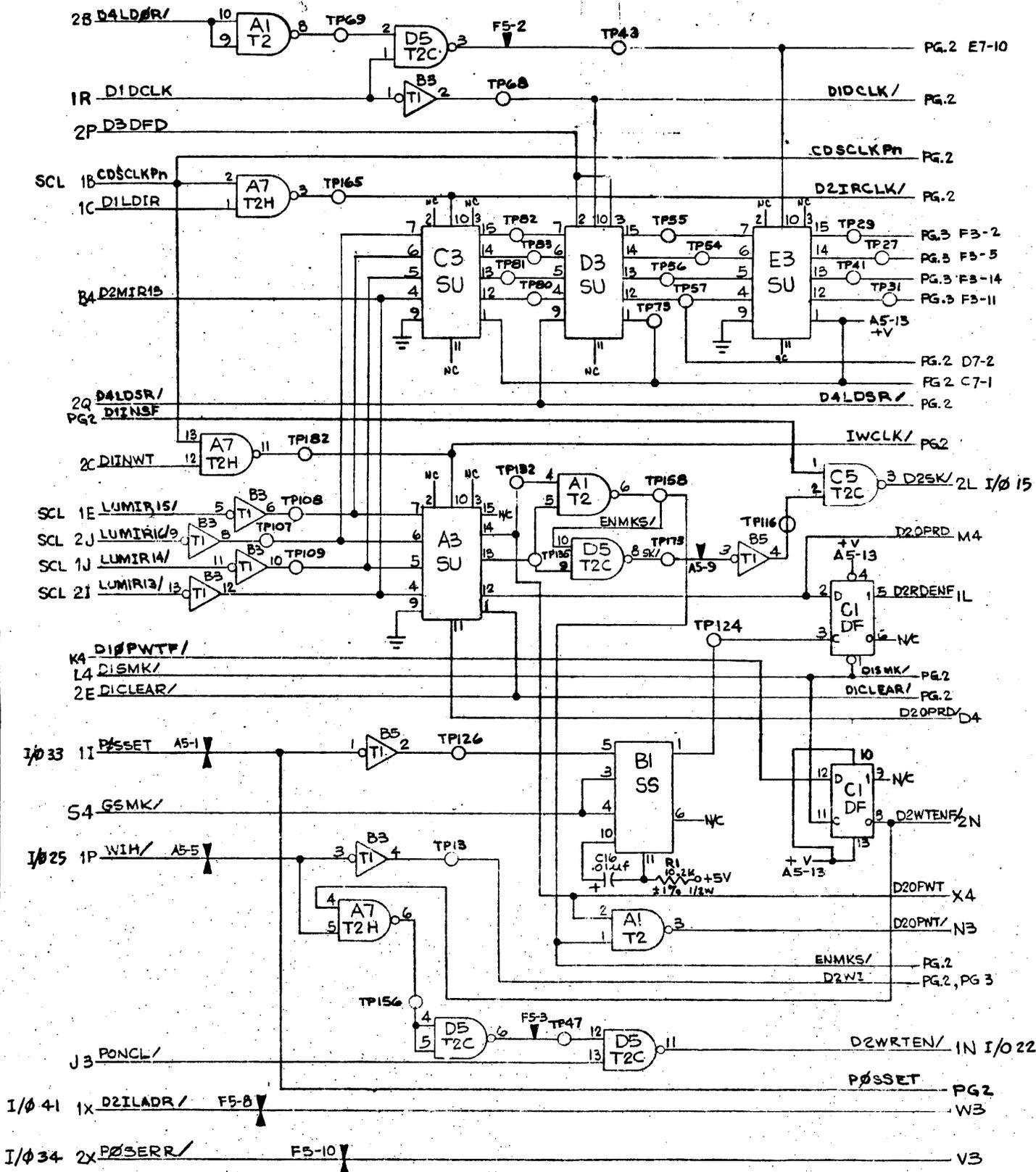
DWG. NO. 1448 7052
 PAGE 2 OF 2
 REV. LETTER G ECH 4850
 DATE 11-1-72

64

64

SCHEMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



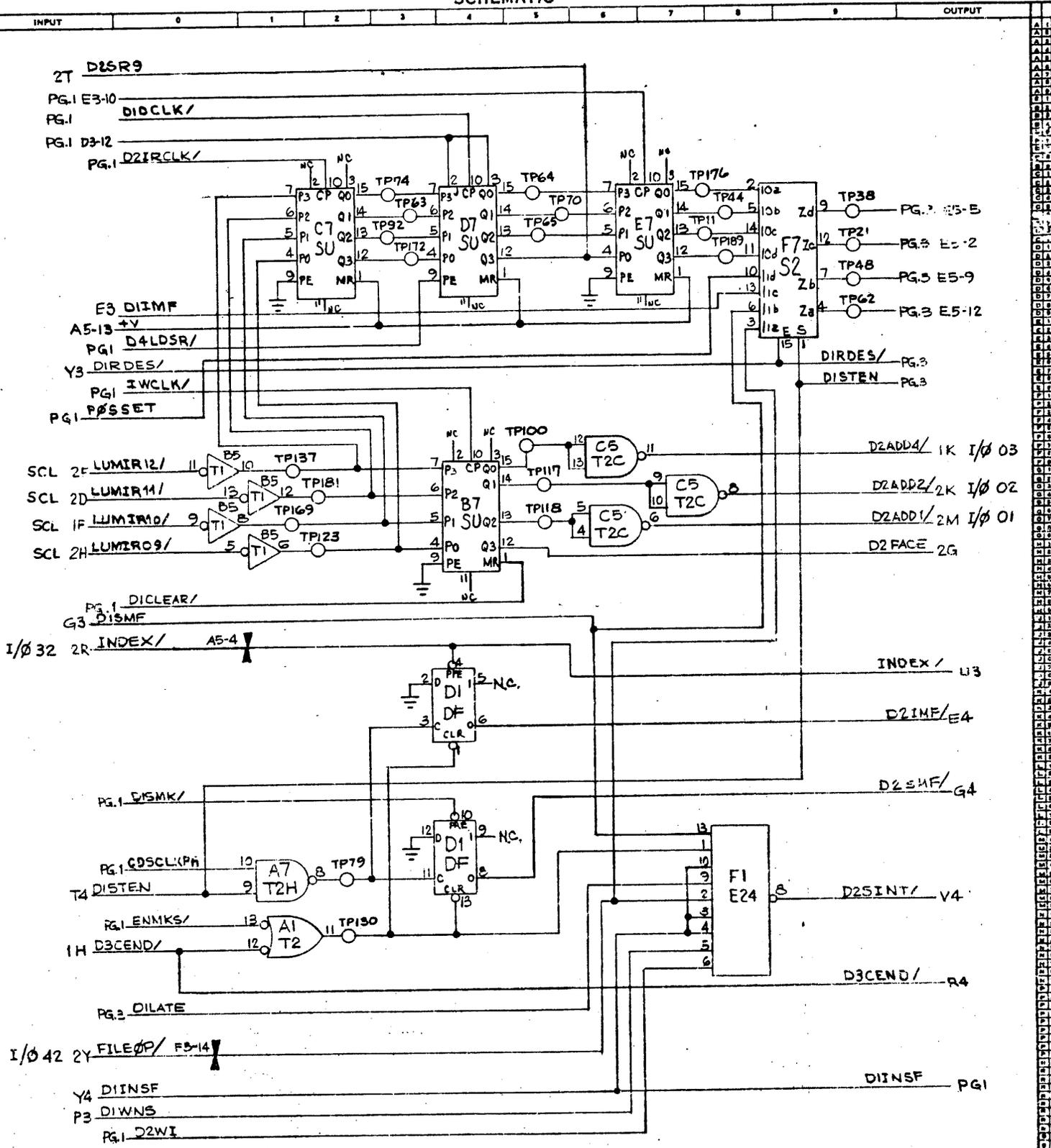
CC 2-9520 SH L.021

INPUT	0	1	2	3	4	5	6	7	8	9	OUTPUT
<p>Burroughs Corporation MAGNETIC SYSTEMS PLANT DOWNTOWN, PA 19338 PROPERTY OF BURROUGHS CORP - NOT TO BE REPRODUCED NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT</p>											
TITLE DC2 DISK DATA 3 SYSTEM B700 DRAWN L.M.J. APPROVED B. DINERMAN						CHECKED F.3. RELEASED 10-29-71			DWG. NO. 1447 8291 PAGE 1 OF 3 REV. LETTER R ECU 4180 847 GS 6-12-75 H.U.		

2 2 1 SH.ND.
N N 2 RBV

65 PRINTED IN U.S.A.

SCHMATIC



▽ INDICATES PULL-UP OR OPEN COLLECTOR RESISTOR.
 ▽ INDICATES TERMINATOR.

SH L.022

INPUT	0	1	2	3	4	5	6	7	8	9	OUTPUT
-------	---	---	---	---	---	---	---	---	---	---	--------

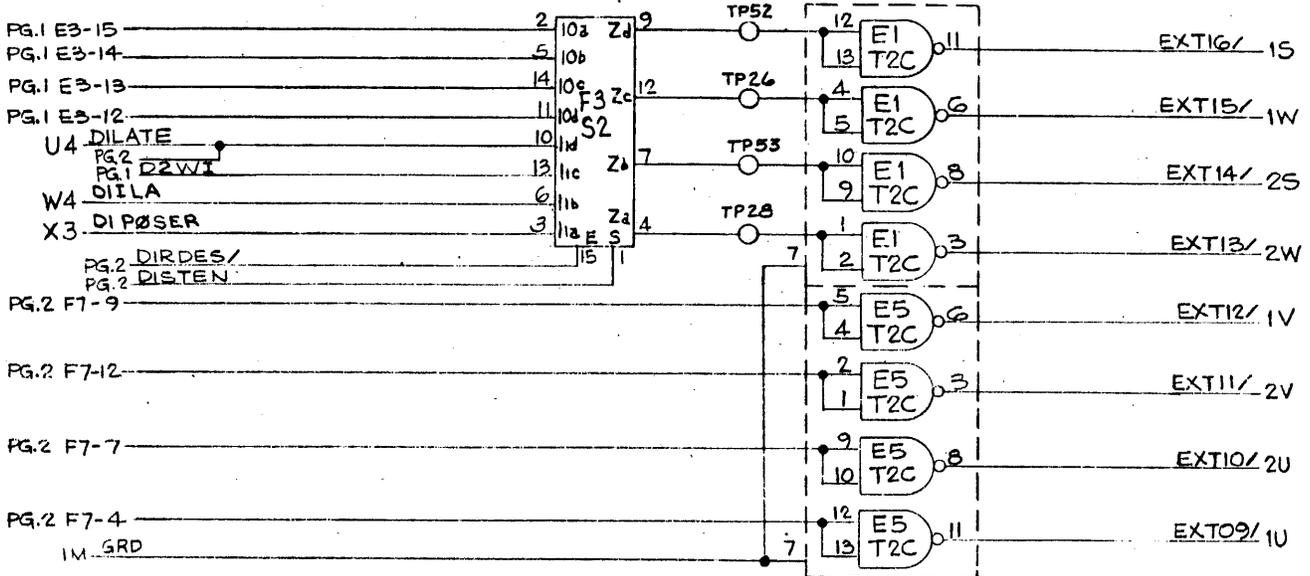
Burroughs Corporation
 MAGNETIC SYSTEMS PLANT
 DOWNTOWN, PA. 15120

TITLE DC-2 DISK DATA 9
 SYSTEM B700
 DRAWN: L.M.J.
 APPROVED: B. DIMBERMAN

DWG. NO. 1447 8291
 PAGE 2
 REV. LETTER R. ECN 4130

SCHEMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



NOTE: GRD CONNECTIONS TO E1 & E5 ARE TO BE MADE BY SEPARATE WIRES TO PIN 1M

CODE	PART NO.	QTY
T2H	1447 5396	2
E24	14790240	1
SS	14473649	1
SU	14473708	1
DF	14473753	8
S2	14473607	2
T2C	14473797	2
T2	14473581	4
T1	14473516	1
T1	14473532	2

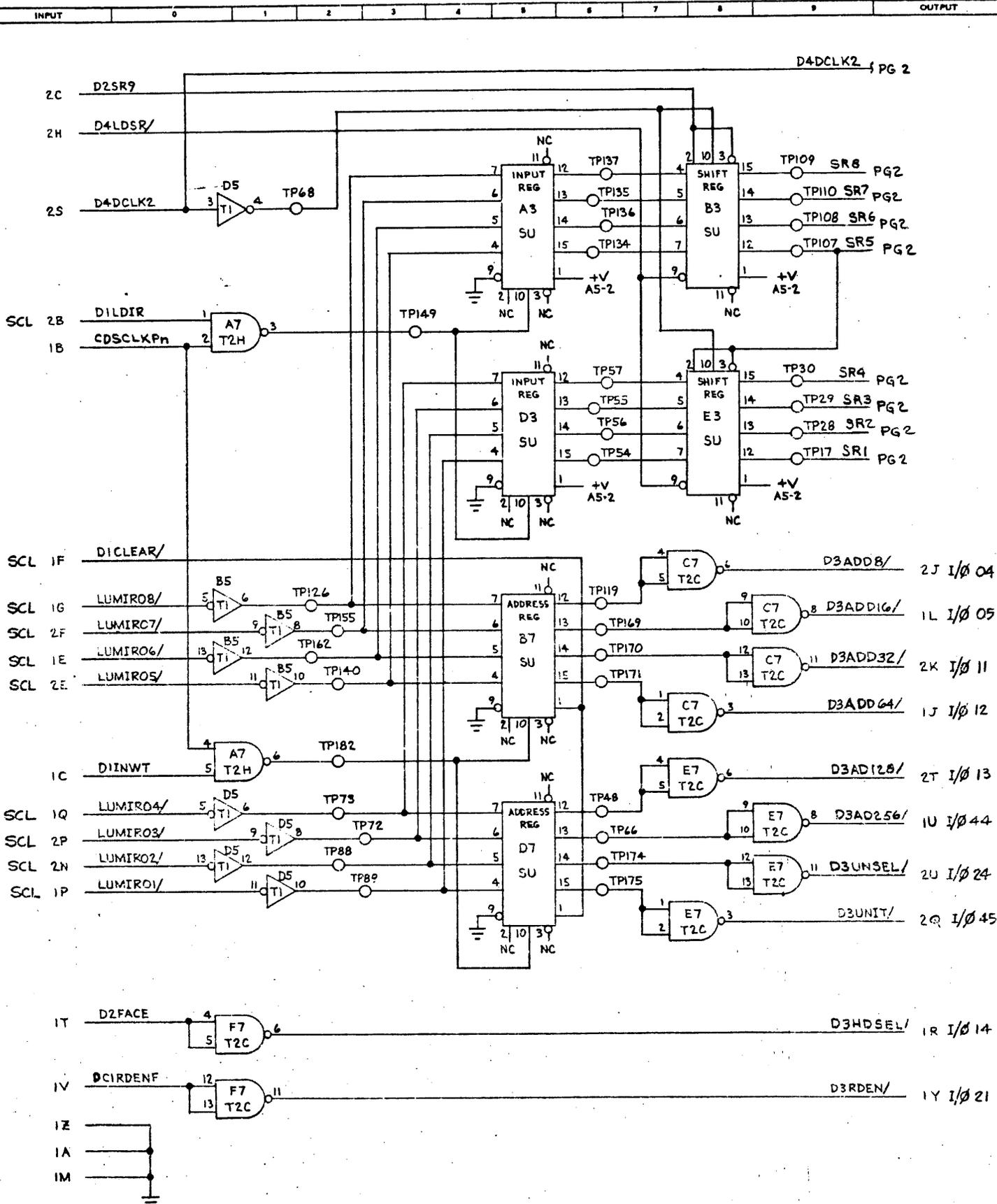
SH L.023

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

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TITLE DC 2 DISK DATA 9
 SYSTEM 8700
 DRAWN L.M.J.
 APPROVED B. DIERMAN
 CHECKED F.S.
 RELEASED 10-29-71
 DIV. NO. 1447 8291
 PAGE 3
 REV. LETTER NPER 80289

SCHMATIC



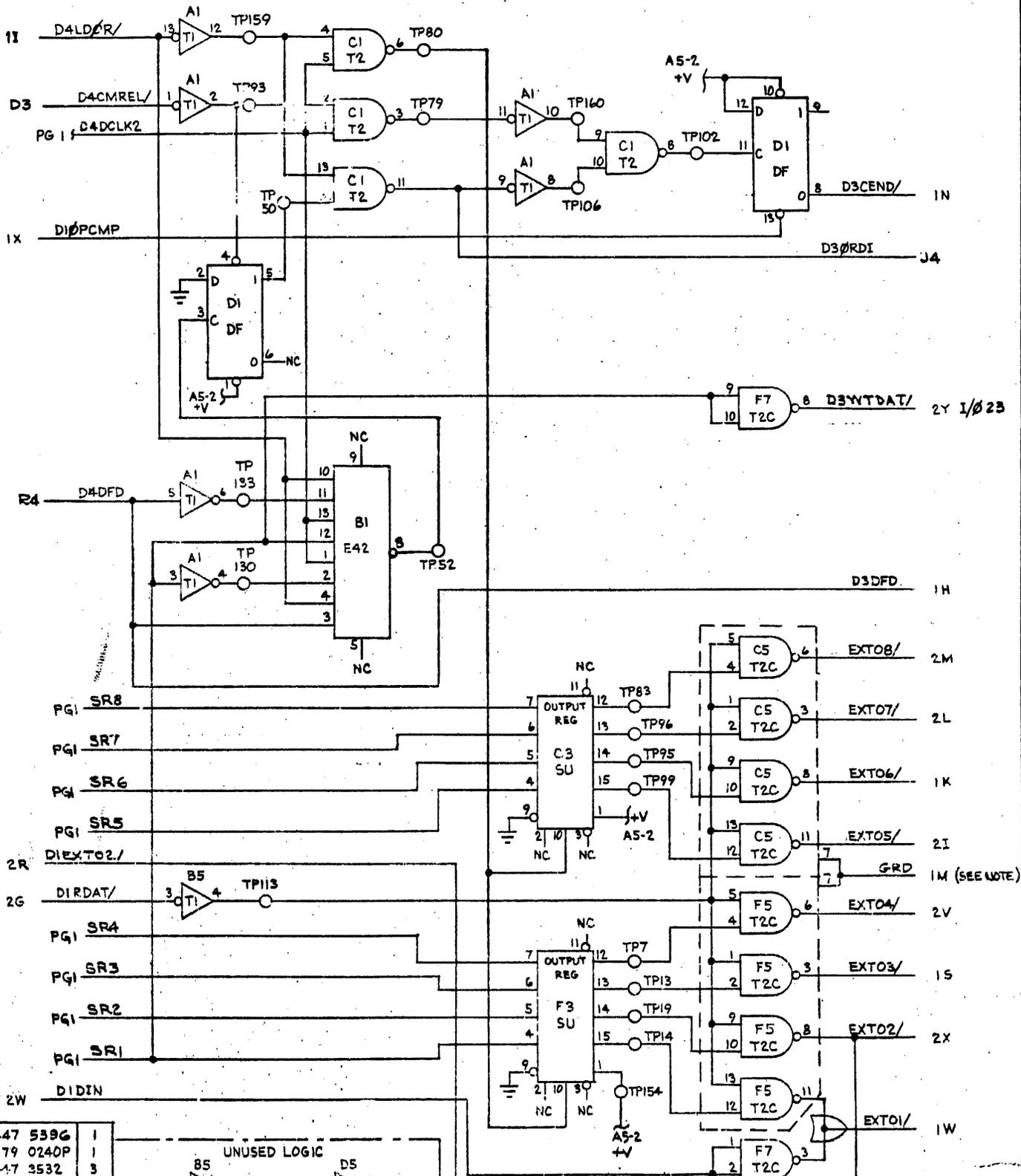
CC 2-9520 SH L.031

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TITLE DC3 DISK CONTROL
 SYSTEM B700
 DRAWN LMAJ
 APPROVED B. DIERMAN
 CHECKED F. SCHROEDER
 RELEASED 10-16-71
 DWG. NO. 1447 8051
 PAGE 1 OF 2
 REV. LETTER N ECN 4130 924
 68-12-73

SCHEMATIC

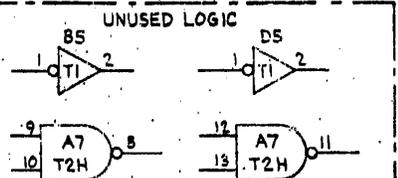
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NOTE: GRD CONNECTION TO C5 & F5 ARE
ARE TO BE MADE BY SEPARATE WIRES
CONNECTED TO 1M

SH L.032

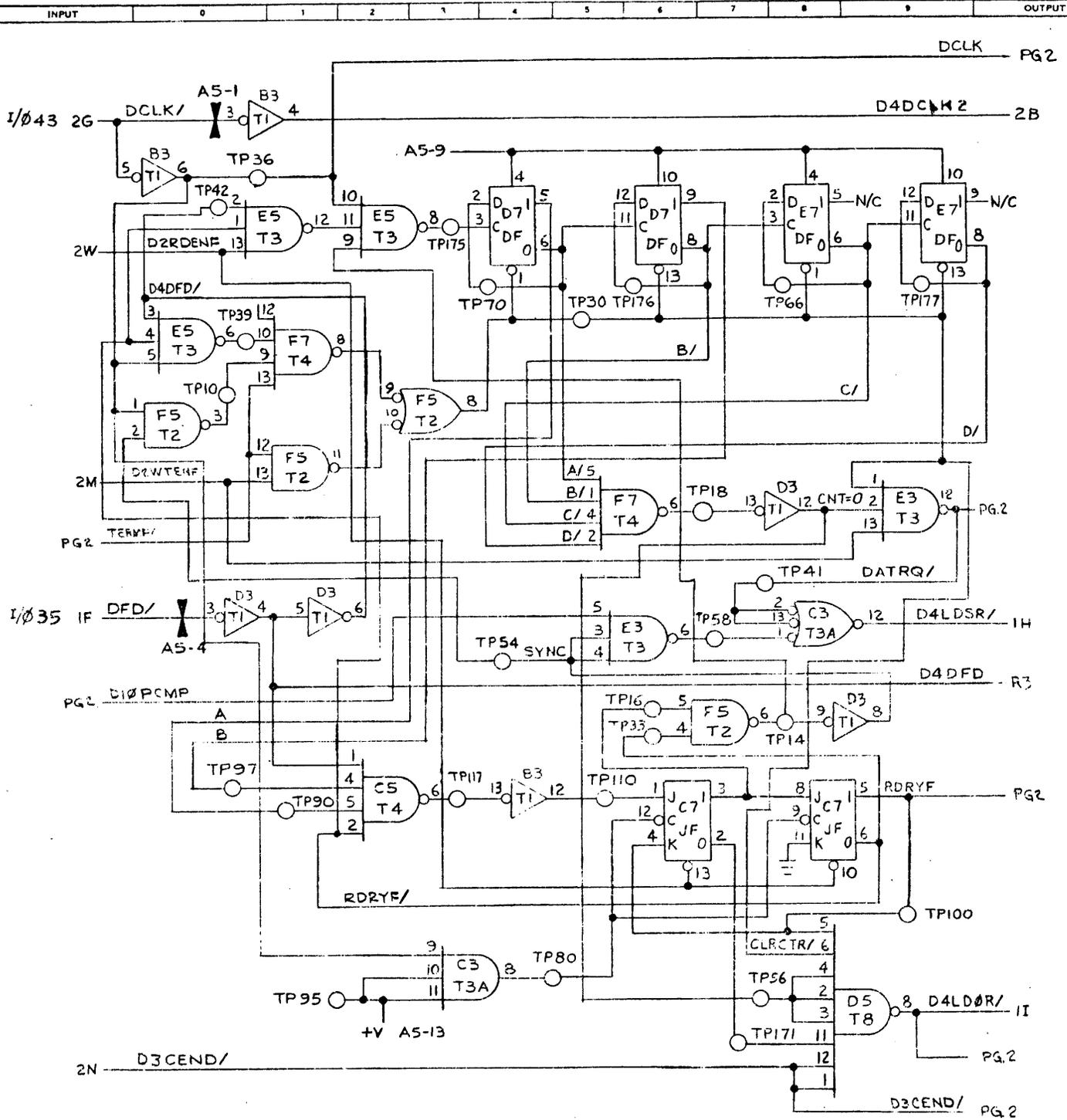
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T1	1479 0240P	1
SU	1447 3532	3
T2C	1447 3755	8
DF	1447 3581	5
DF	1447 3607	1
E42	1447 3656	1
T2	1447 3516	1



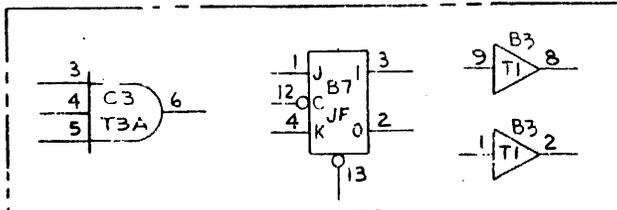
Burroughs Corporation
MAGNETIC SYSTEMS PLANT DOWNTOWN, PA 19138

TITLE DC3 DISK CONTROL
SYSTEM B700
DRAWN LMT CHECKED F. SCHROEPER DWG. NO. 1447 6051
APPROVED B. DINERMAN RELEASED 10-18-71 PAGE 2 OF 2
REV. LETTER N EQN 4130
GB 6-12-75

SCHEMATIC



CODE	PART NO.	QTY
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INDICATES TERMINATOR

CC 2-9520

SH L.041

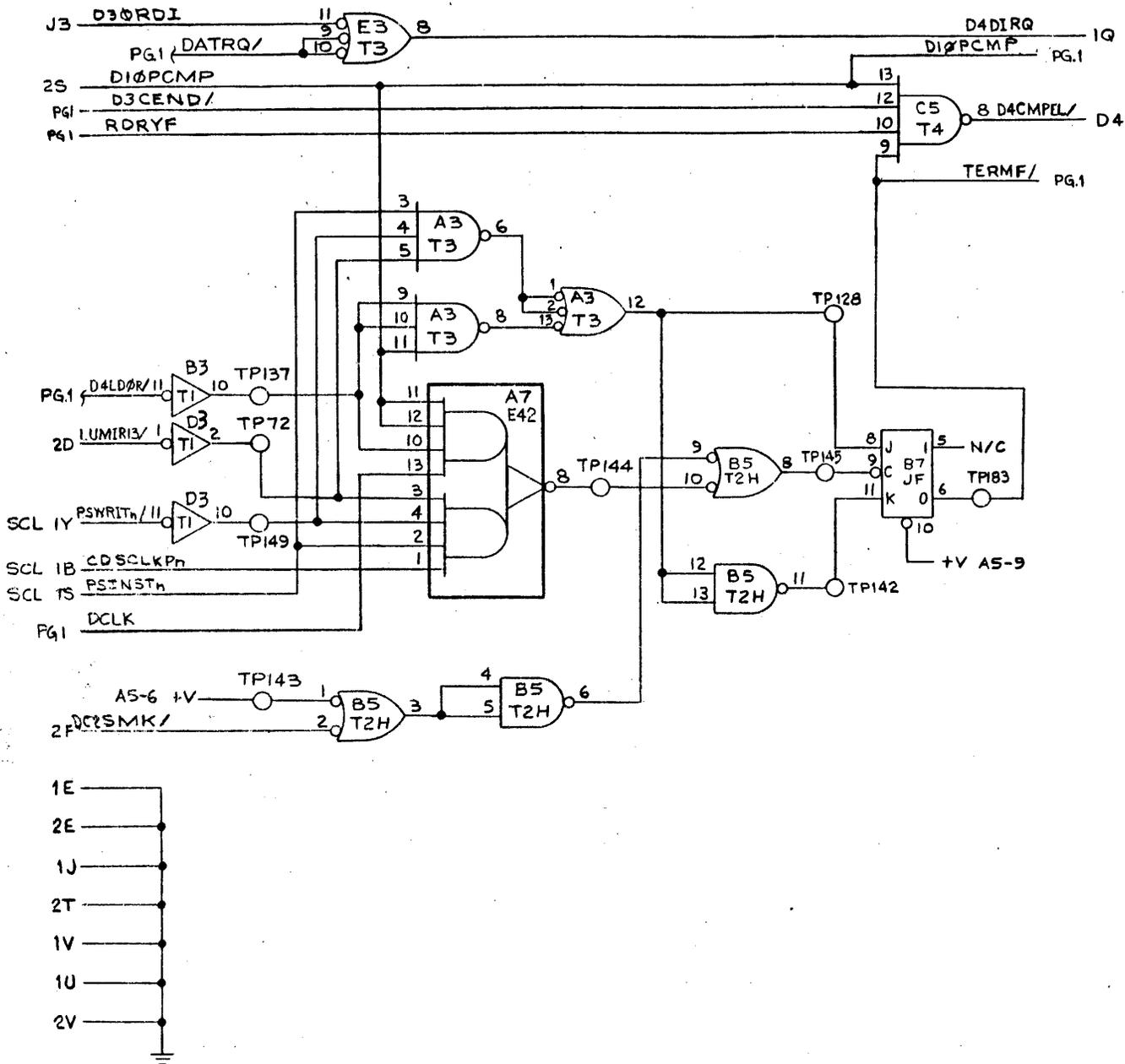
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 MAGNETIC SYSTEMS PLANT DOWNTOWN, PA 10335
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PRODUCTION

TITLE D04 DISK SPECIAL CONTROL
 SYSTEM B700
 DRAWN M. J. VAN... CHECKED J. ARMSTRONG
 APPROVED... RELEASED 5-30-72
 DWG. NO. 1448 7045
 PAGE 1 OF 2
 REV. LETTER C FCN 4454
 SH 12 CAZ 11-5-72

SCHMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



SH L. 042

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

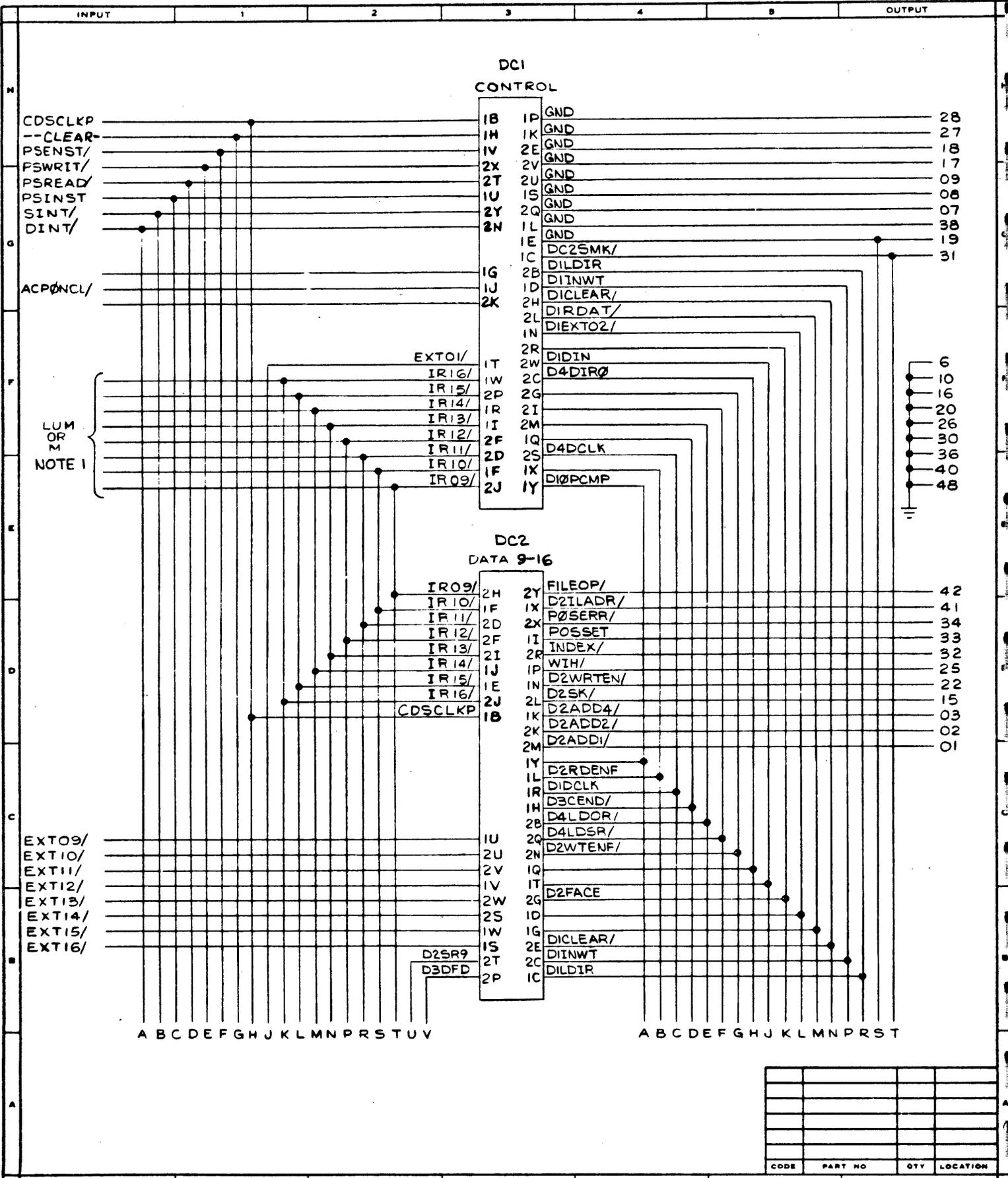
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 MAGNETIC SYSTEMS PLANT DOWNINGTOWN, PA 19338
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PRODUCTION

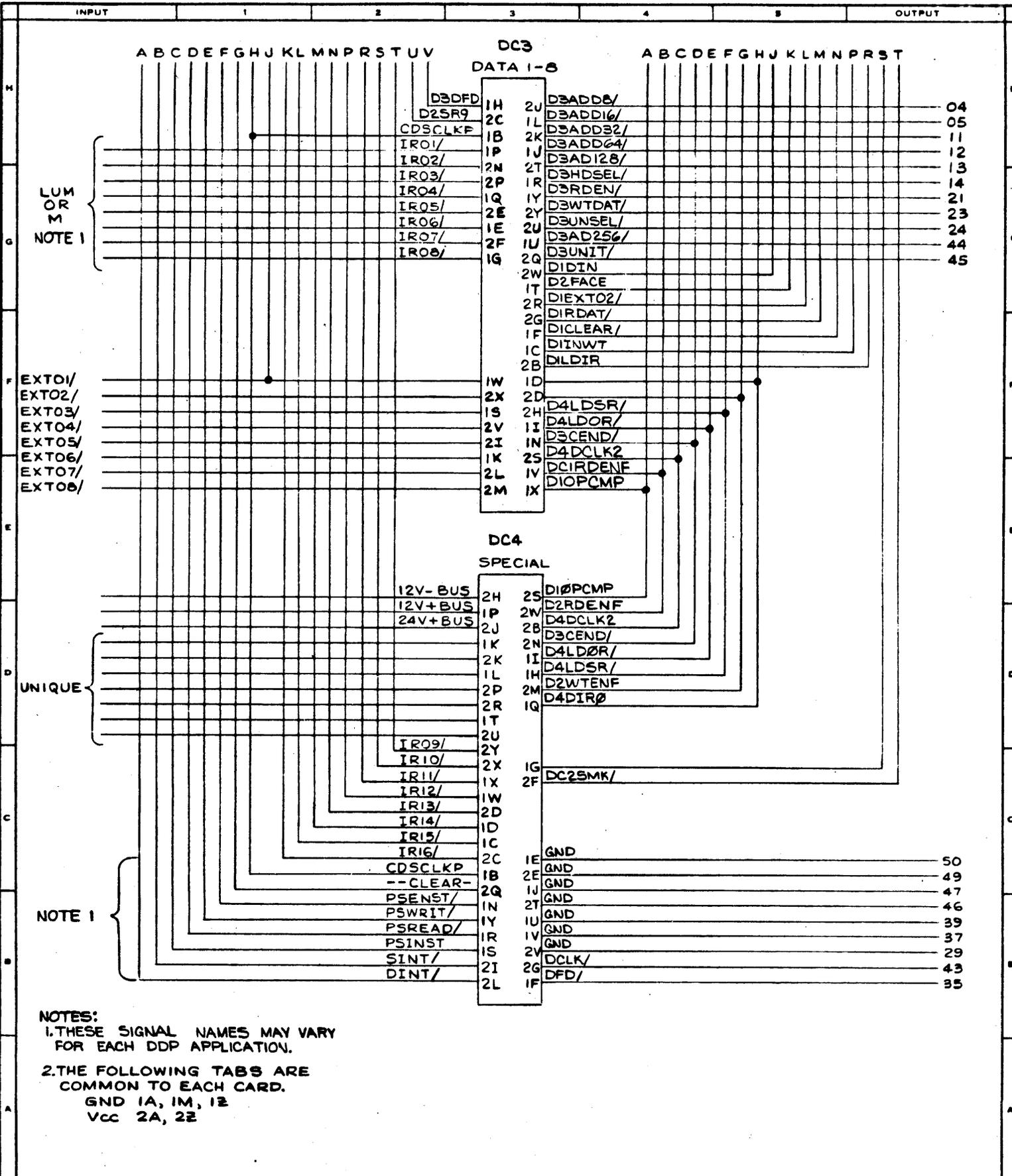
TITLE DC4 DISK SPECIAL CONTROL
 SYSTEM B700
 DRAWN M. SULLIVAN CHECKED J. ARMSTRONG
 APPROVED W. B. DINEEN RELEASED 5-30-72.
 W. A. McNAMARA

DWG. NO. 1448 7045
 PAGE 2 OF 2
 REV. LETTER C, FCJ4454
 SH2 CA2 11-5-75

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72 Burroughs Corporation COMPUTER SYSTEMS GROUP DOWNTOWN PLANT DOWNTOWN PA. 19238 U.S. AMERICA	REV A A SH 1 2	DATE 1-9-76 C. ZUTSKI DATE 1-20-76 DATE 2/1/76 DATE 3-7-76	TITLE DDP DC WIRING DIAGRAM SHEET 1 of 2 DWG NO. 2606 9609	CLASS CODE 2-9520 PLT NO. 038 REV A
	PROPRIETARY TO BURROUGHS CORP. - NOT TO BE REPRODUCED, NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT. PRINTED IN U.S. AMERICA	72	1 of 2	2606 9609



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COMPUTER SYSTEMS GROUP
 DOWNINGTOWN PLANT
 DOWNINGTOWN, PENNSYLVANIA 19335



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 ORDER OR PRIOR WRITTEN
 CONSENT.

NUMBER

2606 3990

REV

B

TITLE

FIELD INSTALLATION INSTRUCTIONS FOR
 DISK DRIVE CONTROL OPTION (B489)

PREPARED BY

H. Caswell
 H. Caswell
 9-8-75

APPROVED BY

B. Dinerman
 B. Dinerman
 9-8-75

ORIGINAL RELEASE DATE

9-26-75

PAGE 1 OF 2

REVISIONS

LEVEL	DESCRIPTION	DATE	APPROVED
A	Initial Release <i>ER109 Rev09</i>		
B	Revised per ECN 4448. Templates deleted.	12-3-75	<i>W. J. ...</i> <i>JAB</i>

2606 3990



1. SCOPE

1.1 Scope.- This document defines the instruction for field installation of the B489 disk drive control option, M&E No. 1448 0313.

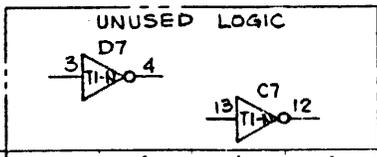
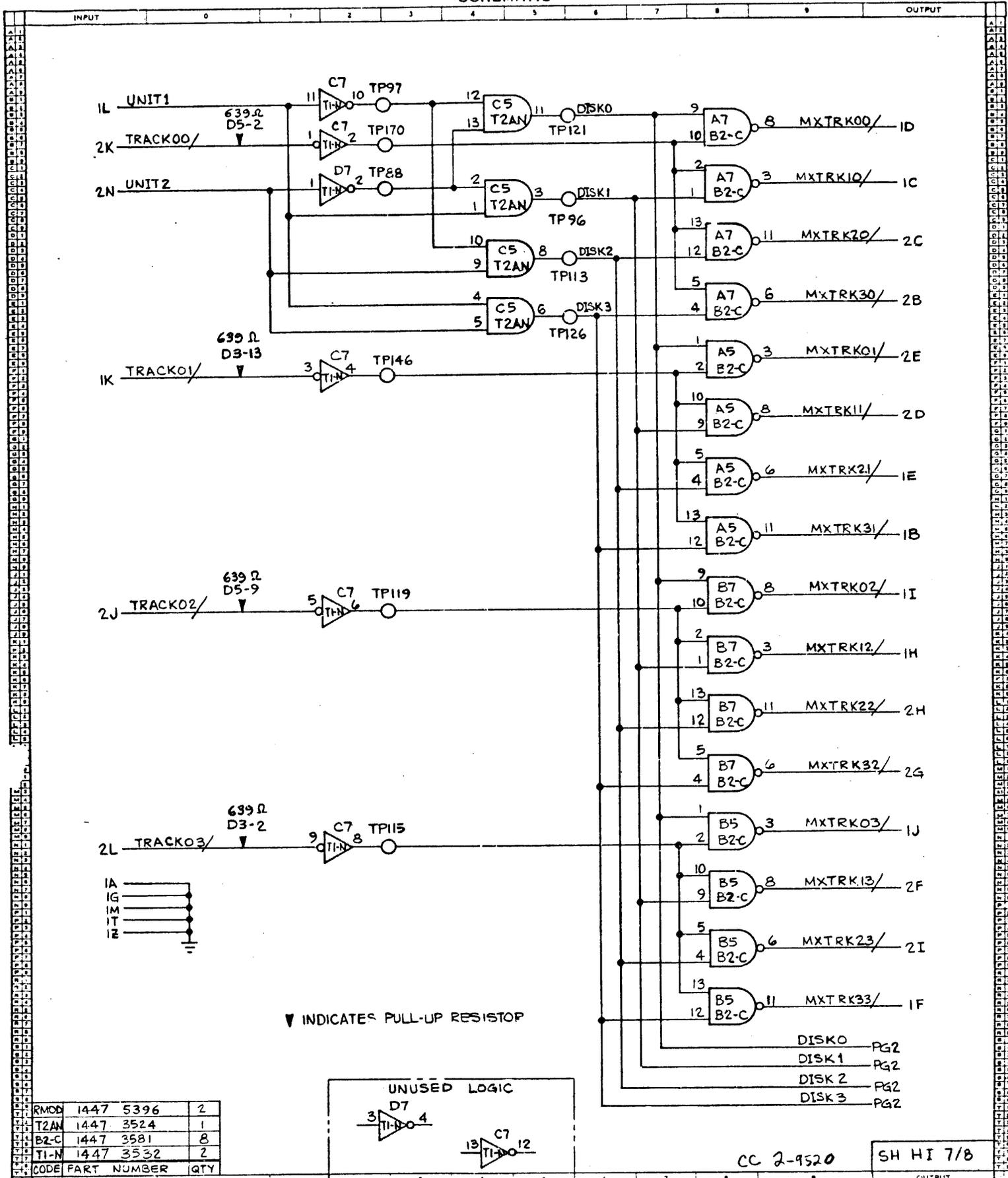
1.2 Option items.- The B489 control option consists of the following items:

Quantity	Description	Part No.
1	Circuit Card Assembly DC1	1447 4530
1	Circuit Card Assembly DC2	1447 4498
1	Circuit Card Assembly DC3	1447 4514
1	Circuit Card Assembly DC4	1447 8507
2	Connector Assembly	2605 0807
1	Decal	1448 6641

2. INSTALLATION INSTRUCTIONS

- (a) Insert the four circuit card assemblies into the appropriate DDP backplane locations in accordance with system requirements. Refer to the backplane map contained in the system FT&R documentation package for specific DDP card locations.
- (b) Attach the two connector assemblies to the frontplane connector end of the following card pairs:
 - DC1 and DC2
 - DC3 and DC4
- (c) Affix the decal to the configuration plate in the space for the DDP location which uses this control option.
- (d) On the insertion side of the backplane, attach the 50-pin connector end of the I/O cable, which comes as part of the disk drive assembly, to the appropriate I/O connector.
- (e) Option installation is now complete.
- (f) Power for the disk drive is supplied from the upper half of the duplex receptacle in the power control assembly. Refer to the connection diagram contained in the system FT&R documentation package.

SCHMATIC



RMOD	1447	5396	2
T2AN	1447	3524	1
B2-C	1447	3581	8
TI-N	1447	3532	2
CODE	PART NUMBER		QTY

DISKO PG2
 DISK1 PG2
 DISK2 PG2
 DISK3 PG2

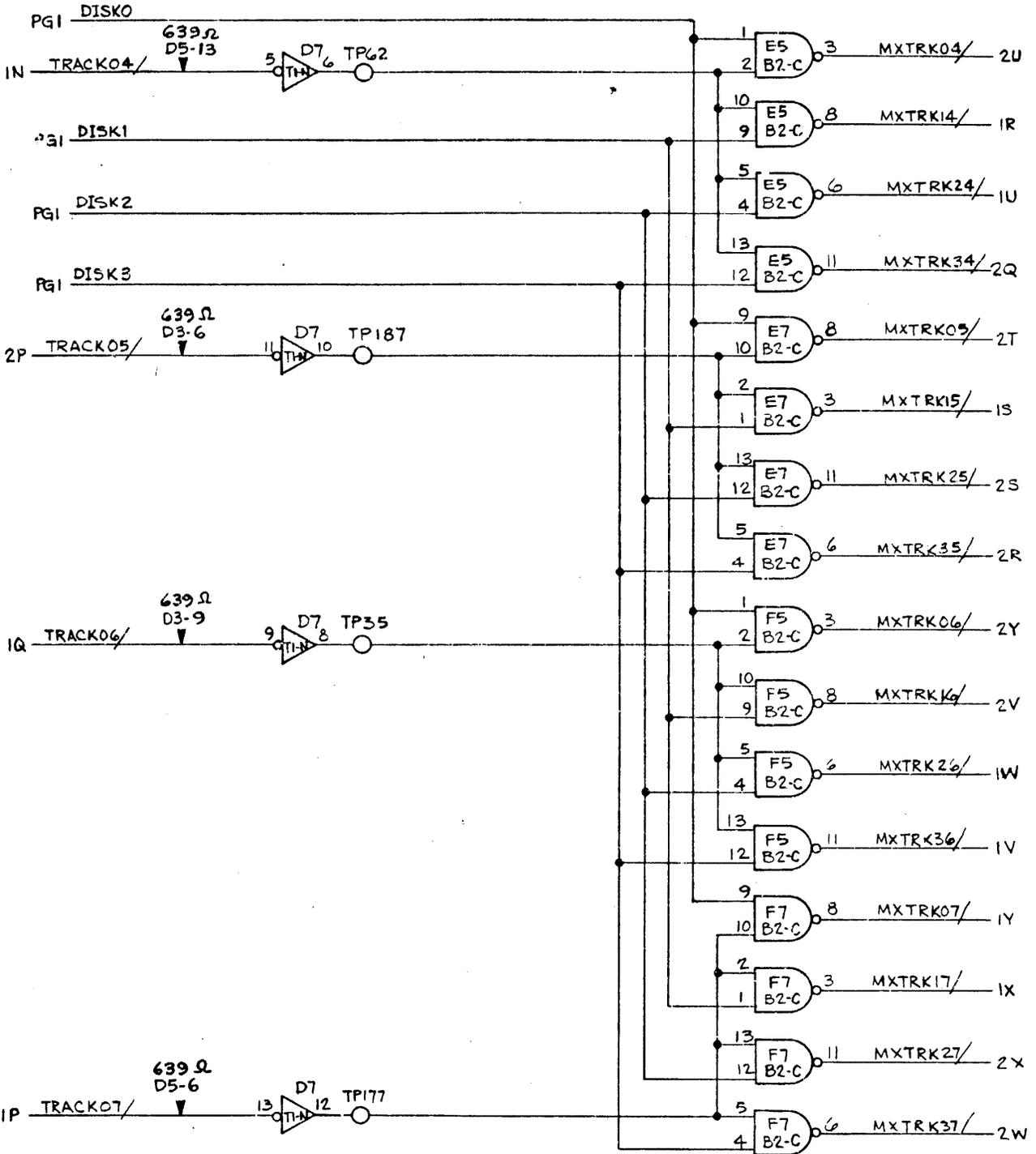
CC 2-9520

SH HI 7/8

2603 9651 Burroughs Corporation DOWNTOWN PLANT COMPUTER SYSTEMS GROUP	TITLE MX1	PART NO. 2603 9651 A
	DRAWN PS [Signature]	DATE 10-2-74
	CHECKED C. L. BISCHOFF	DATE 10-14-74
	DESIGNED [Signature]	DATE 10-2-74
REVISIONS REL. 15	PAGE 1 OF 2	PG. NO. 21 REV. AA

SCHMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

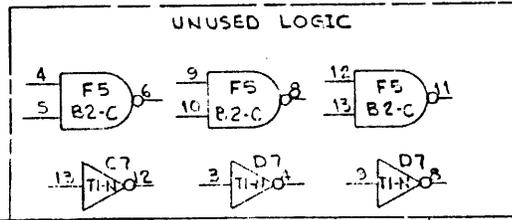
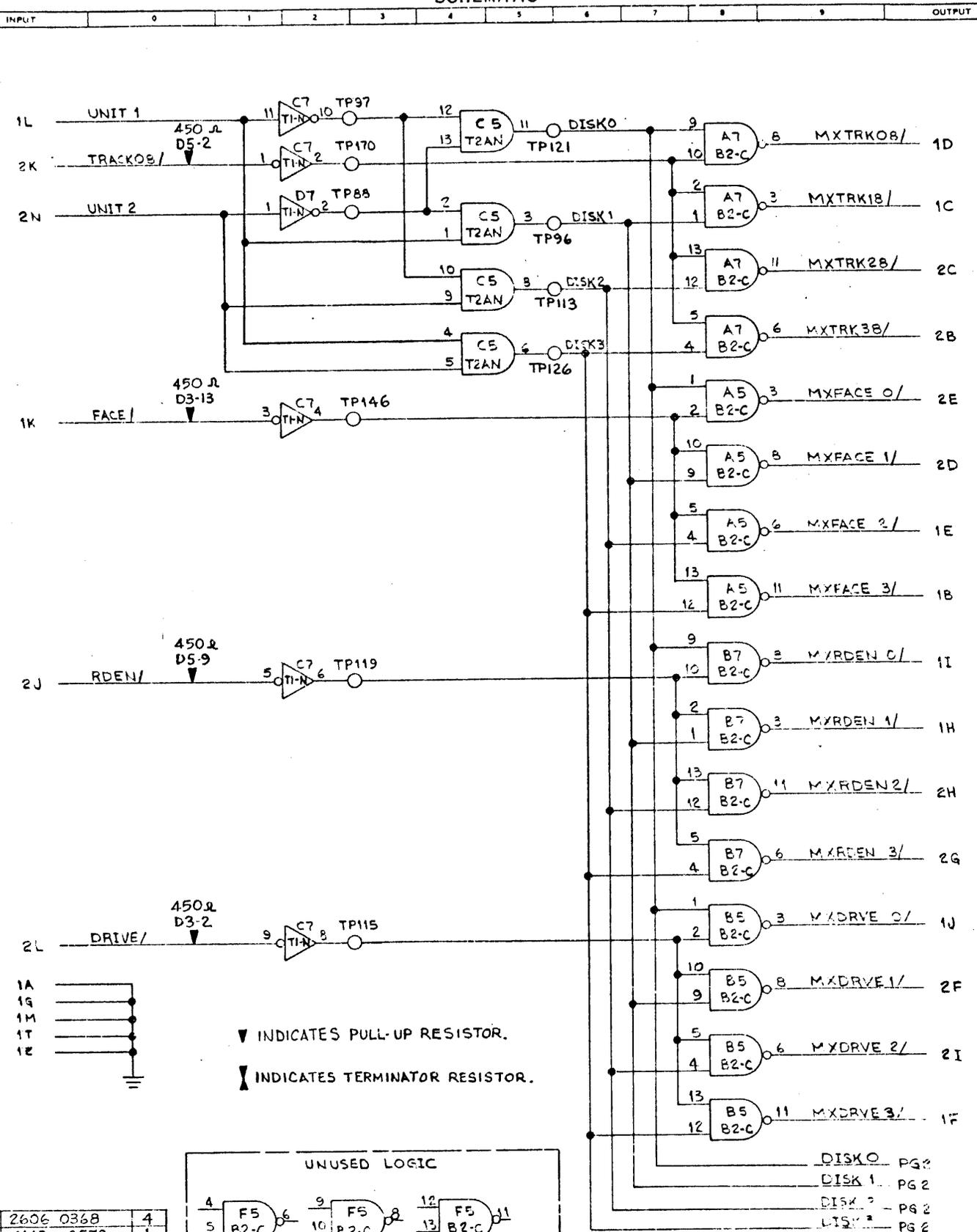


SH HI 7/8

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

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	CHECKED C.L. BOSCHOFF	DATE 10-14-74	APPROVED [Signature]	DATE [Signature]
	REVISIONS:		PAGE 2 OF	

SCHEMATIC



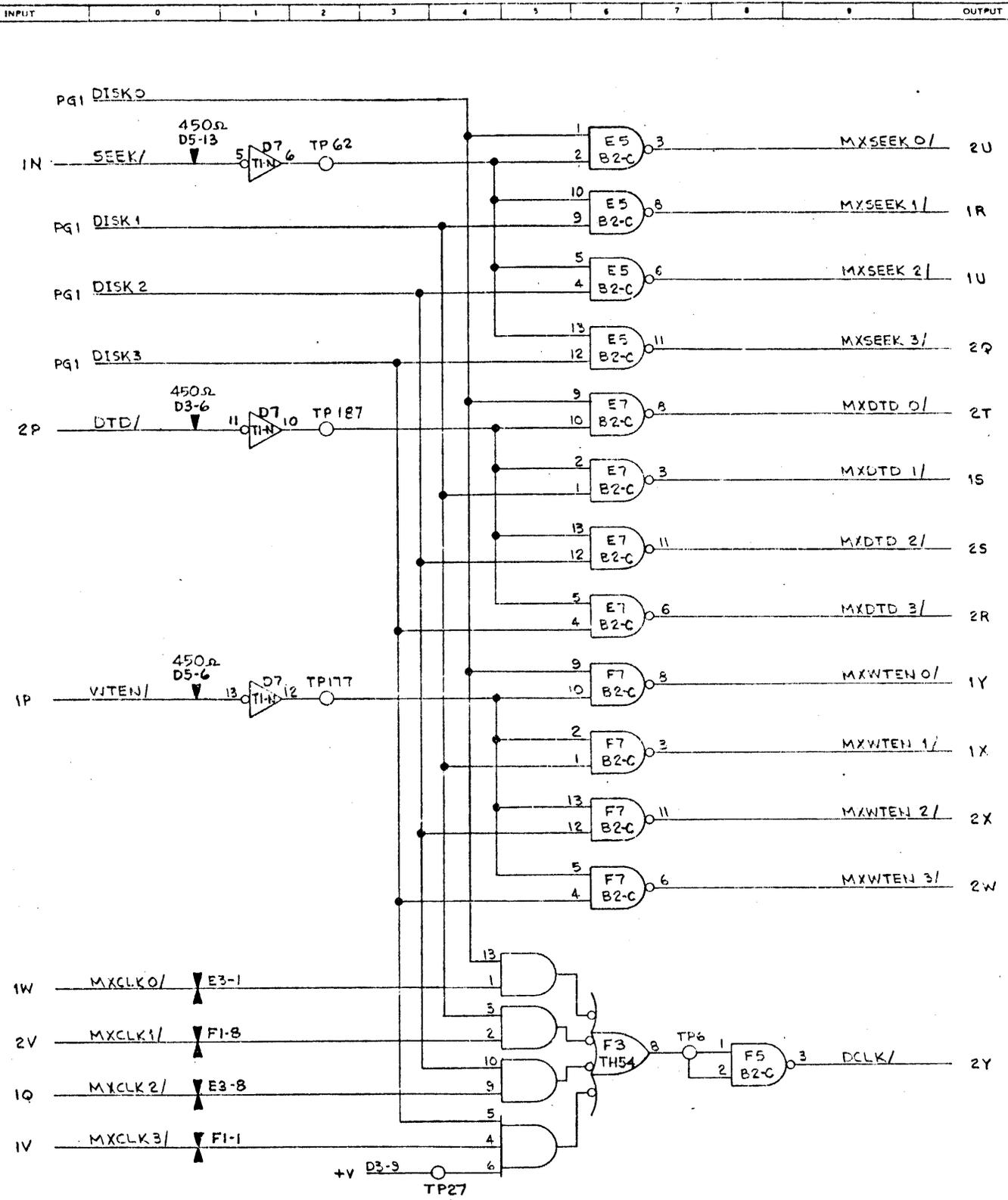
DISK0 PG 2
DISK 1 PG 2
DISK 2 PG 2
DISK 3 PG 2

PV2D	2606	0368	4
THE1	1445	2573	1
B2C	1447	3581	5
T2AN	1447	3524	1
T1-N	1447	3532	2
CORE1	PART NUMBER	QTY	

HI 4/5

Burroughs Corporation COMPUTER SYSTEMS GROUP DOWNINGTOWN PLANT U.S. 22181A		MX2 DRAWN: ALBERT CHECKED: [Signature] DATE: 10-4-74 DATE: 11-1-74		DATE: 2003 5285 B DATE: 7-74 APPROVED: [Signature] DATE: [Signature]	
TITLE: MX2 DATE: 10-4-74 DRAWN: ALBERT CHECKED: [Signature] DATE: 11-1-74		DATE: 2003 5285 B DATE: 7-74 APPROVED: [Signature] DATE: [Signature]		PAGE 1 OF 2 HI 4/5	
78 21 PG NO 3 B REV		78		PRINTED IN U.S.A.	

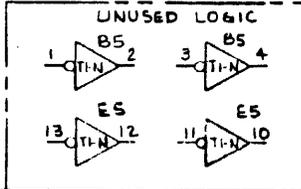
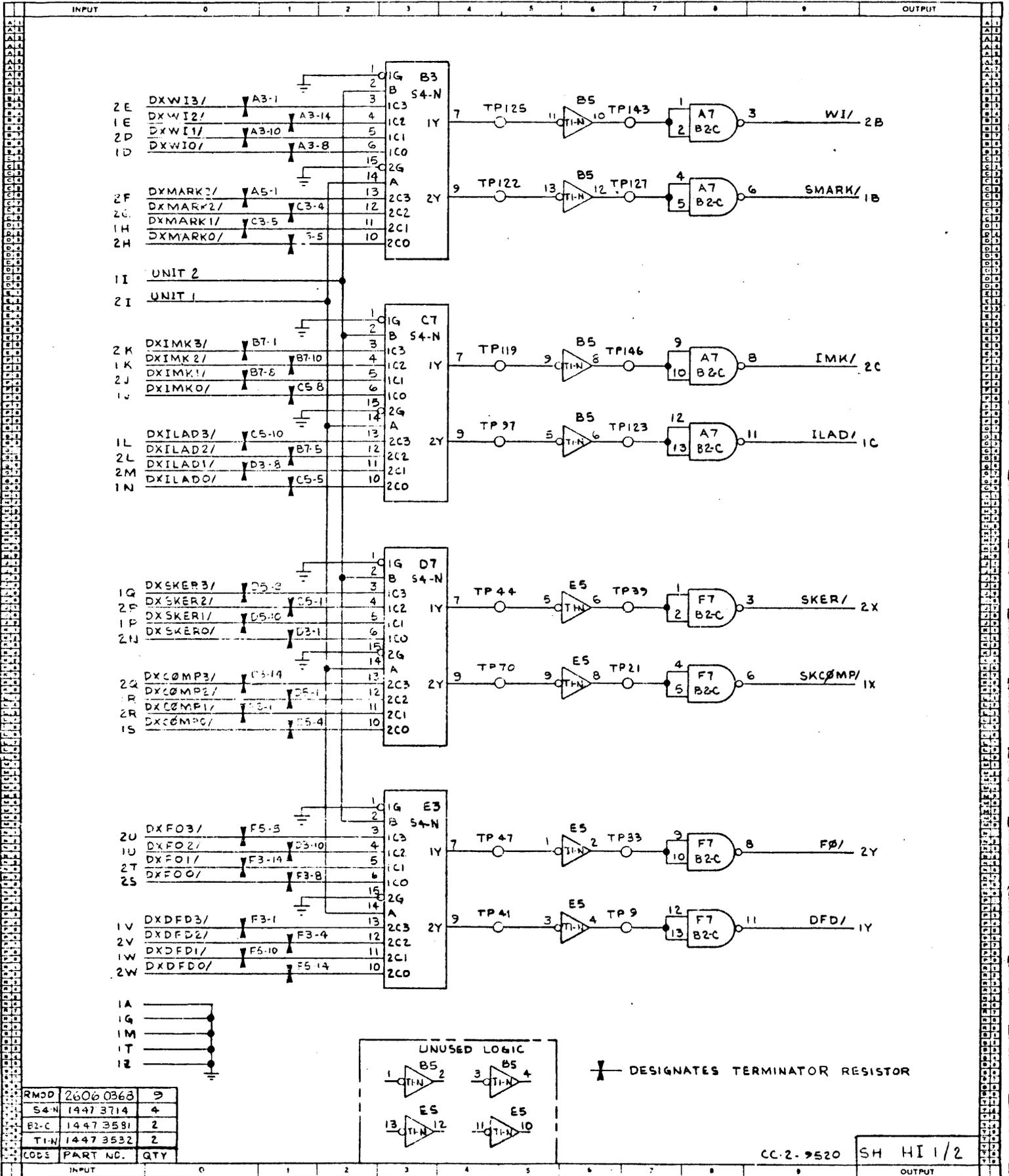
SCHEMATIC



HI 4/5

Burroughs Corporation COMPUTER SYSTEMS GROUP DOWNINGTOWN PLANT PHILADELPHIA, PA. 19134 U.S. ARMY		TITLE MX2 DRAWN CHECKED DESIGNED DATE APPROVED DATE		NUMBER 2603 9885 B REV. B PAGE 2 OF	
REVISIONS: 1 2 3 4 5		DATE 10-7-74 11-1-74 11-1-74		DATE 11/74	

SCHMATIC



DESIGNATES TERMINATOR RESISTOR

CC-2-9520 SH HI 1/2

2603 9127 80 Burroughs Corporation COMPUTER SYSTEMS GROUP DOWNINGTOWN PLANT U.S. AMERICA	TITLE DX		NUMBER 2603 9727		B PAGE 1 OF 1 PRINTED IN U.S.A.
	DRAWN W. SCHLEINER 10/16/74	DATE 10/16/74	DESIGNER	DATE	
	CHECKED	DATE	APPROVED	DATE	
	C. L. ... 10/22/74	N.P. ... 10/28/74			

Burroughs Corporation

COMPUTER SYSTEMS GROUP
 DOWNINGTOWN PLANT
 DOWNINGTOWN, PENNSYLVANIA 19335



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NUMBER

2606 4006

REV

A

TITLE

FIELD INSTALLATION INSTRUCTIONS FOR
 DISK MULTIPLEXER CONTROL OPTION (B489-4)

PREPARED BY

H. Caswell

9-8-75

APPROVED BY

B. Dinerman

9-12-75

ORIGINAL RELEASE DATE

9-26-75

PAGE

1 OF 2

REVISIONS

LEVEL	DESCRIPTION	DATE	APPROVED
A	Initial Release ER109 RBV09		

2606 4006

81



1. SCOPE

1.1 Scope. - This document defines the instructions for field installation of the B489-4 disk multiplexer control option, M&E No. 2603 8059.

1.2 Option items. - The B489-4 control option consists of the following items:

Quantity	Description	Part No.
1	Circuit Card Assembly MX1	2603 9636
1	Circuit Card Assembly MX2	2603 9669
1	Circuit Card Assembly DX	2603 9701
1	Decal	2604 1384

2. INSTALLATION INSTRUCTIONS

- (a) Insert three circuit card assemblies into appropriate backplane locations in accordance with system requirements. Refer to the backplane map contained in the system FT&R documentation package for the specific DDP card locations.
- (b) Affix decal (2604 1384) to the configuration plate in the space for the DDP location which uses this control option.
- (c) Option installation is now complete.



DWG NO. 2606 3610
 SHEET 1 OF 1
 RELEASED 11-14-75
 REL
 ER# 058203
 ECN 4640
 1-13-76 GB
 ECN 4749 GB
 3-11-76

REFERENCE DOCUMENTS	
TYPE	PART NO.
ASSEMBLY	2606 3602
SCHMATIC	
PARTS LIST	2606 3602

WIRE NO.	CONDUCTOR		FROM			TO			REMARKS	WIRE NO.	CONDUCTOR		FROM			TO			REMARKS
	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION			SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	
1	24	GRY	P1	35	1472 0726	P2	17	1472 0734	INTRPT--	26	24	GRY	P1	36	1472 0726	P2	44	1472 0734	GND
2	↑	BLK	↑	40	↑	↑	5	↑	GRD	27	24	GRY	P1	26	1472 0726	P3	7	1472 0734	GND
3	↑	GRY	↑	24	↑	↑	14	↑	HALTIND	28	24	GRY	P1	30	1472 0726	P3	44	1472 0734	GND
4	↑	BLK	↑	20	↑	↑	2	↑	GRD	29	24	GRY	P1	48	1472 0726	P2	7	1472 0734	GND
5	↑	GRY	↑	11	↑	↑	15	↑	READY	30									
6	↑	BLK	↑	16	↑	↑	3	↑	GRD	31									
7	↑	GRY	↑	5	↑	↑	16	↑	SPOMODE	32									
8	↑	BLK	↑	10	↑	↑	4	↑	GRD	33									
9	↑	GRY	↑	4	↑	↑	11	↑	BDDIYA	34									
10	↑	BLK	↑	12	↑	↑	19	↑	BDDIZA	35									
11	↑	GRY	↑	50	↑	↑	12	↑	BDDOYA	36									
12	↑	BLK	↑	49	↑	↑	13	↑	BDDOZA	37									
13	↑	GRY	↑	23	↑	↑	40	↑	BDDIYB	38									
14	↑	BLK	↑	21	↑	↑	32	↑	BDDIZB	39									
15	↑	GRY	↑	47	↑	↓	39	↑	BDDOYB	40									
16	↑	BLK	↑	43	↑	P2	38	↑	BDDOZB	41									
17	↑	GRY	↑	44	↑	P3	11	↑	BDDIYC	42									
18	↑	BLK	↑	13	↑	↑	19	↑	BDDIZC	43									
19	↑	GRY	↑	39	↑	↑	12	↑	BDDOYC	44									
20	↑	BLK	↑	37	↑	↑	13	↑	BDDOZC	45									
21	↑	GRY	↑	14	↑	↑	40	↑	BDDIYD	46									
22	↑	BLK	↑	45	↑	↑	32	↑	BDDIZD	47									
23	↓	GRY	↓	29	↓	↓	39	↓	BDDOYD	48									
24	24	BLK	P1	46	1472 0726	P3	38	1472 0734	BDDOZD	49									
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NOTES:

1. ◀ INDICATES TWISTED PAIR.

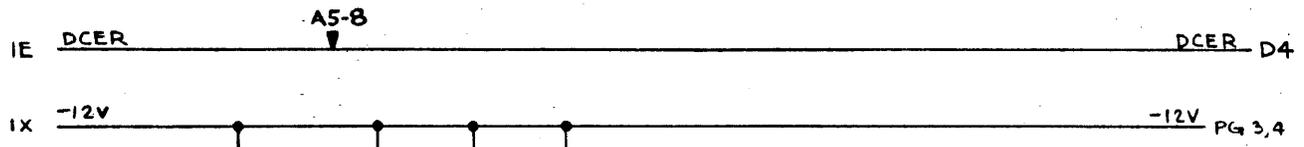
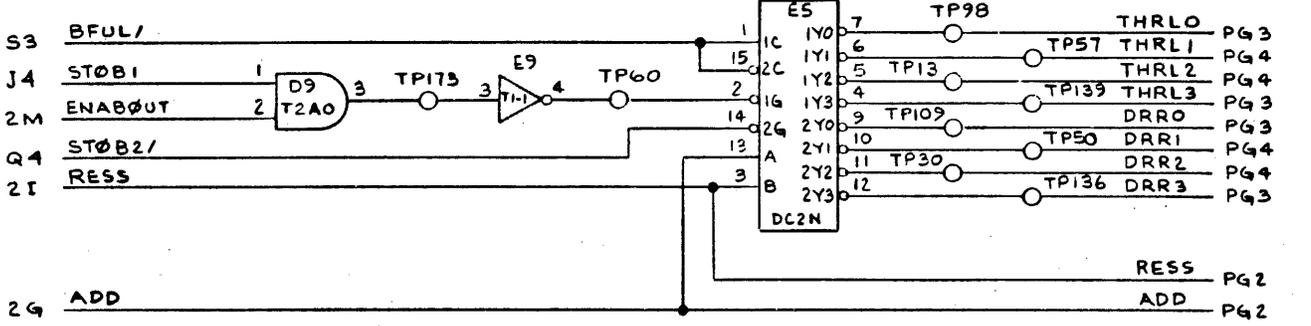
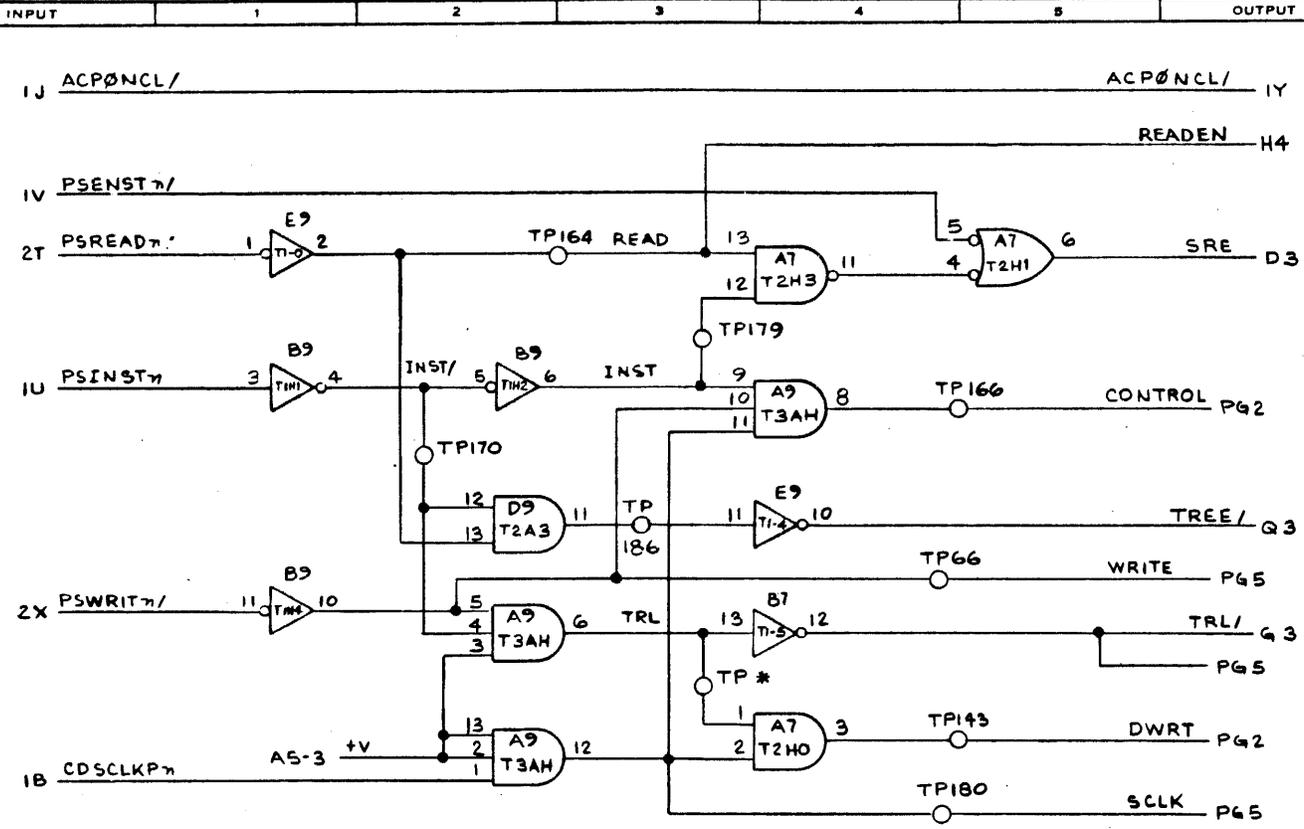
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CHECKED	DATE
J. B. [Signature]	10-31-75
DSGN or ENGR	DATE
[Signature]	11/3/75
APPROVED	DATE

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 COMPUTER SYSTEMS GROUP DOWNINGTOWN PA 19335 DOWNINGTOWN PLANT US AMERICA
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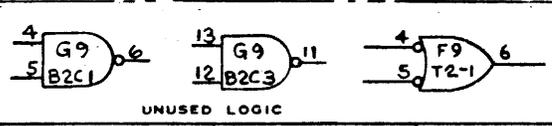
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SHEET	DWG NO	PLT. NO
1 OF 1	2606 3610	038



T2-N	1447	3516	1	
UART	2472	8909	4	
RM00	1448	2319	3	
S2-N	1447	3797	1	
S4-N	1447	3714	1	
CR4N	1447	3771	1	
DC2N	1447	3722	1	
DR4N	1449	1278	3	
T3AH	1447	2557	1	
T2AN	1447	3524	1	
B2CN	1447	3581	1	
T2HN	1479	0240	1	
T1-N	1447	3532	4	
TIHN	1479	7971	2	
CODE	PART NO	QTY	LOCATION	

DESIGNATES PULL-UP RESISTOR, 1500 Ω



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COMPUTER SYSTEMS GROUP DOWNTOWN PLANT
DOWNTOWN PA. 19335 U.S. AMERICA

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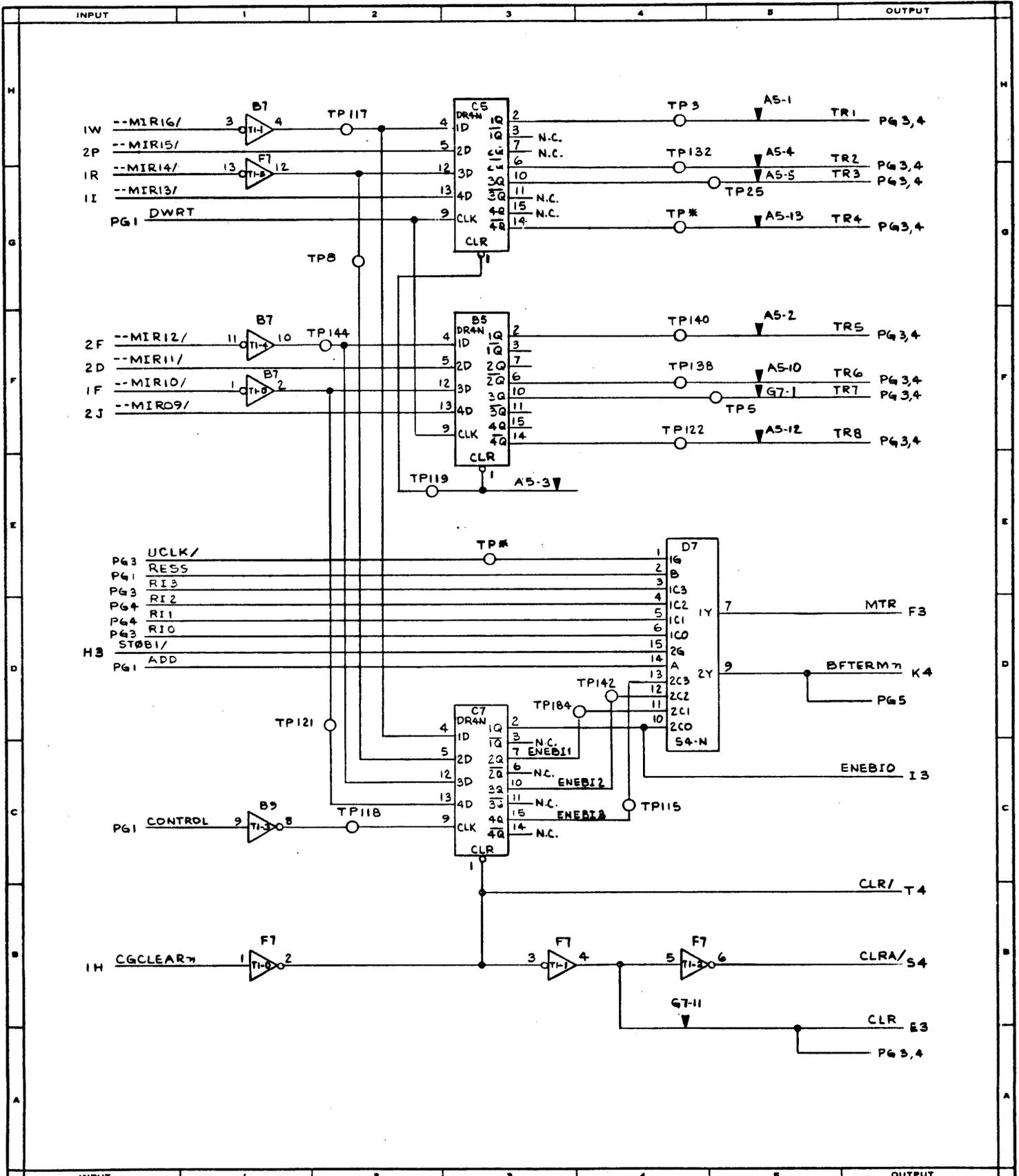
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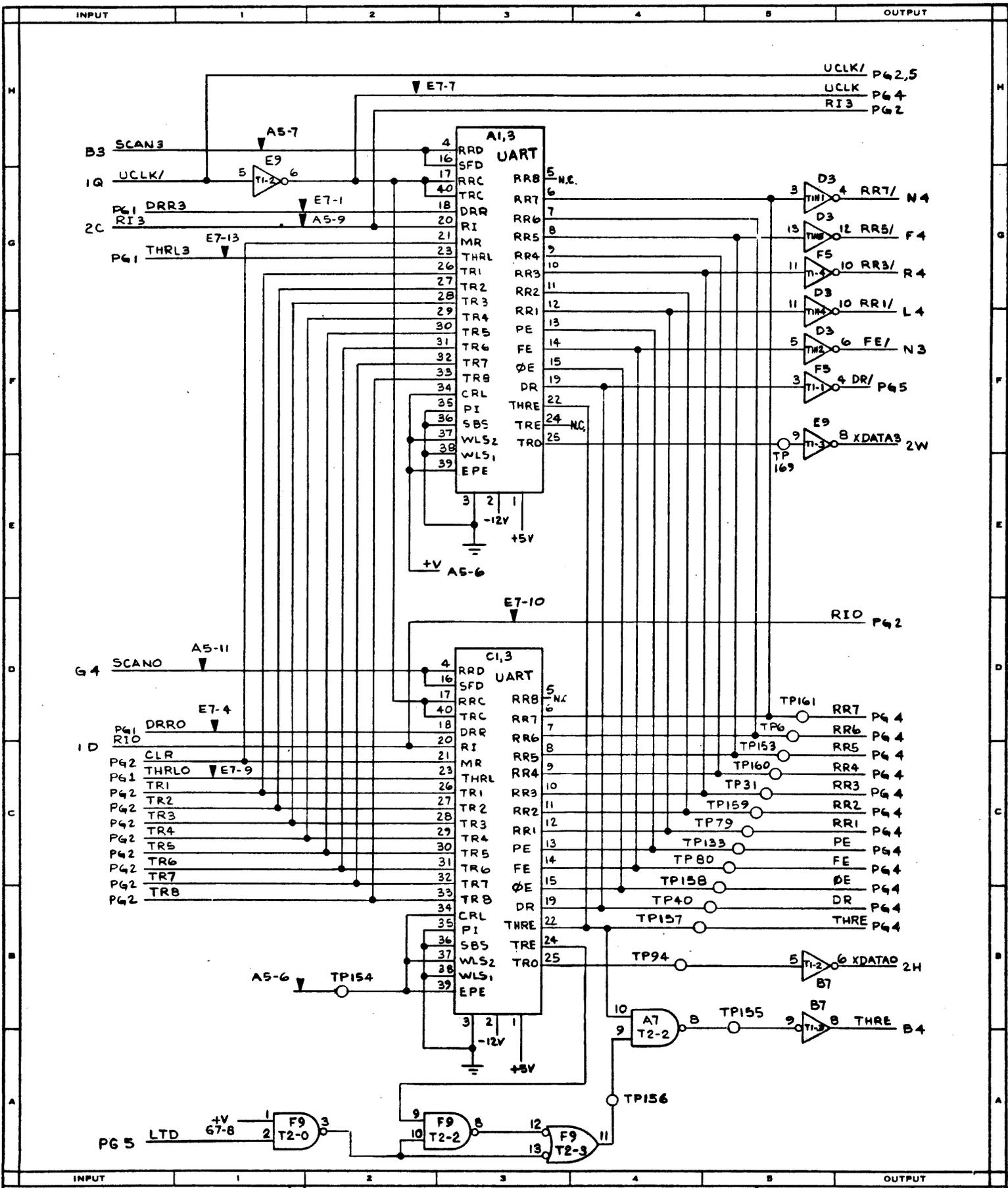
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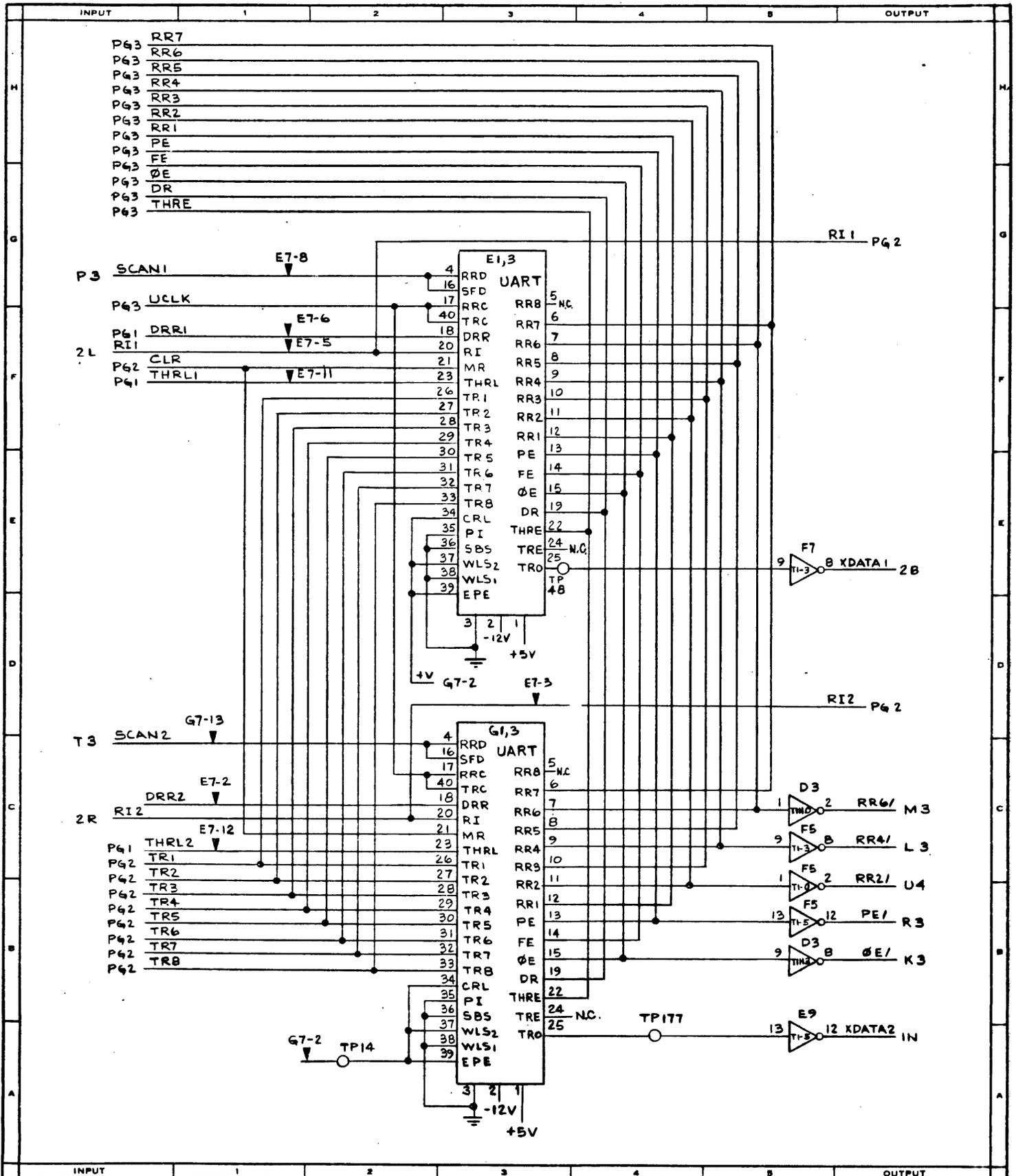
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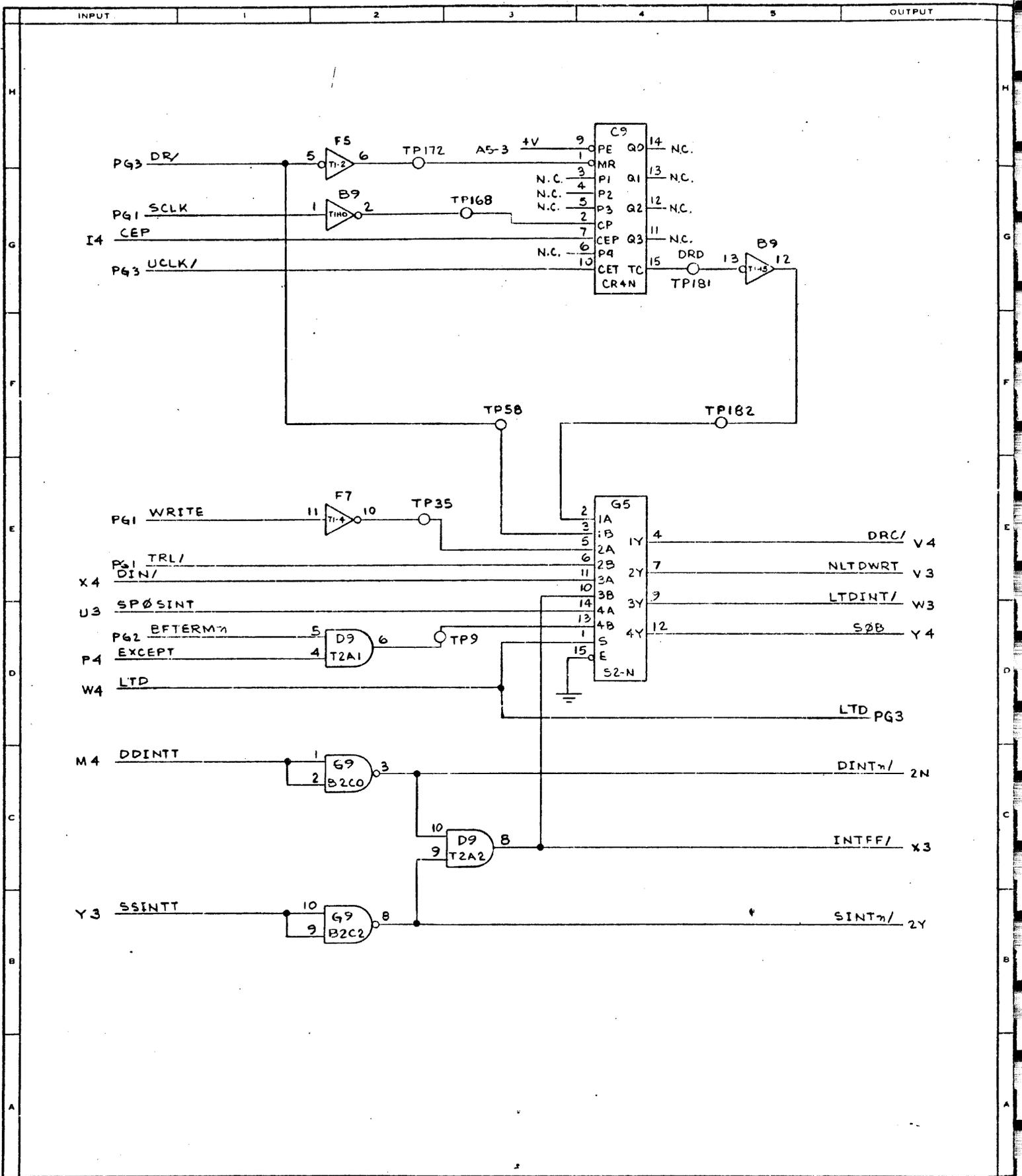
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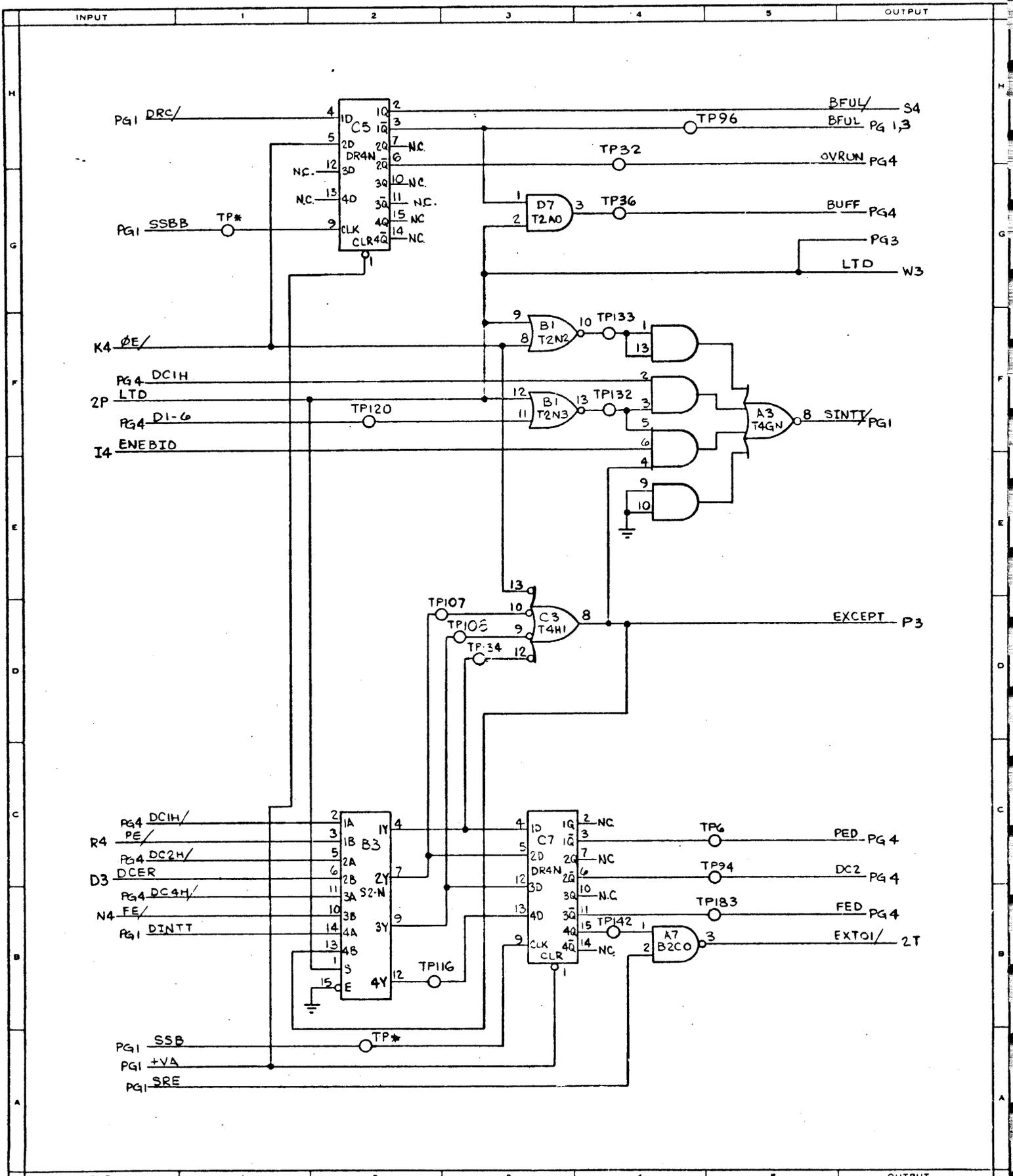


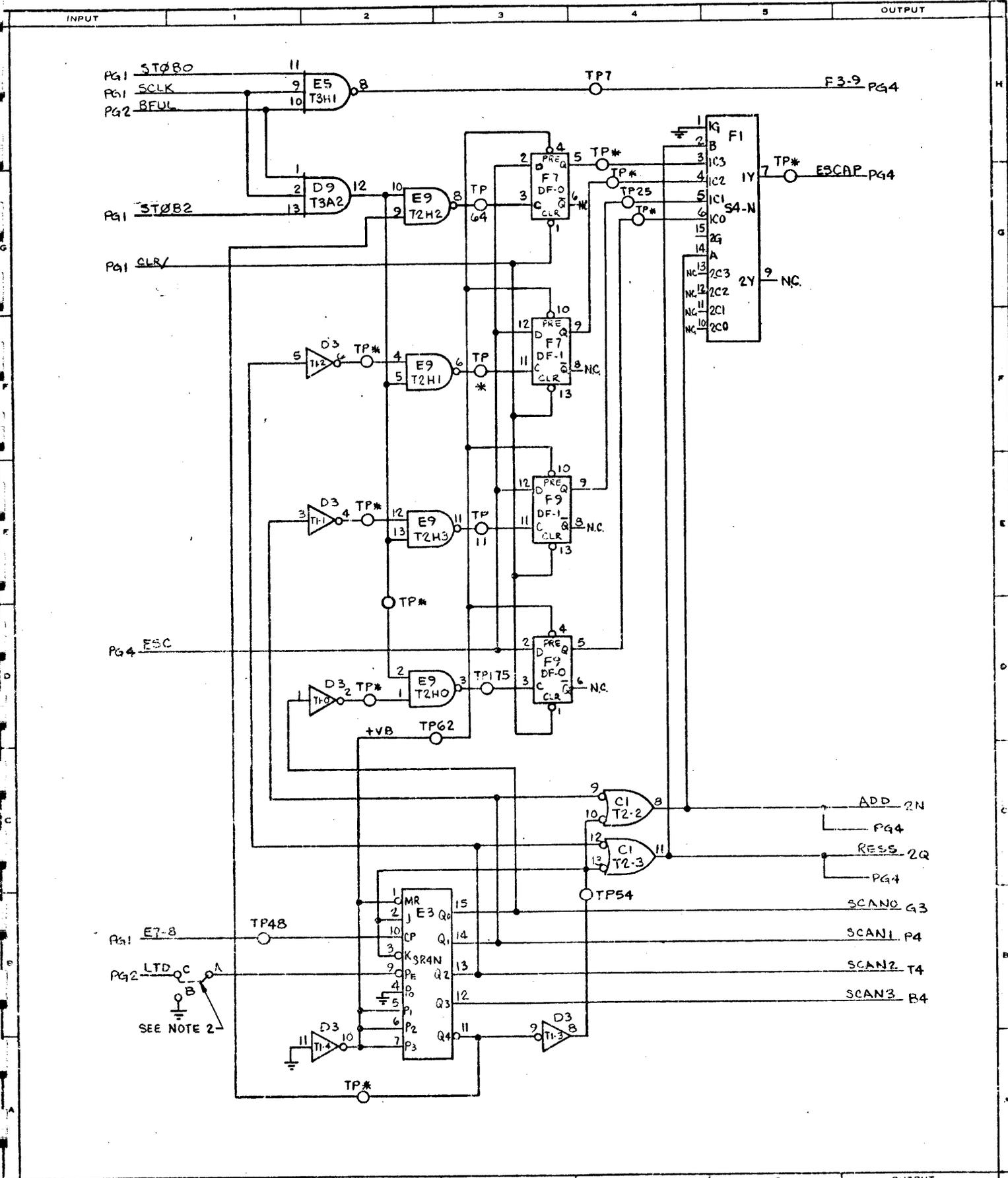
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DOWNINGTOWN PA. 19335 U.S. AMERICA

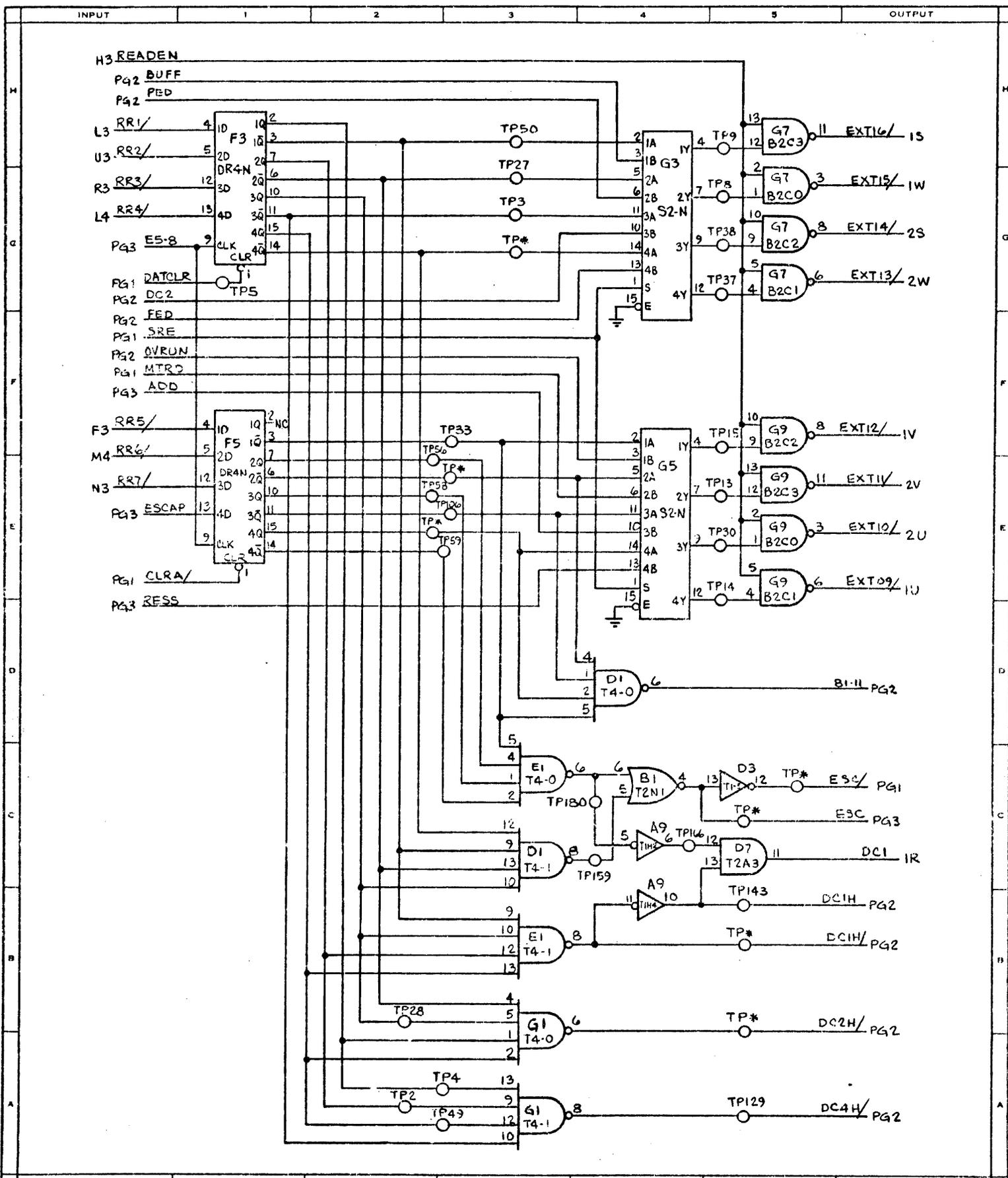
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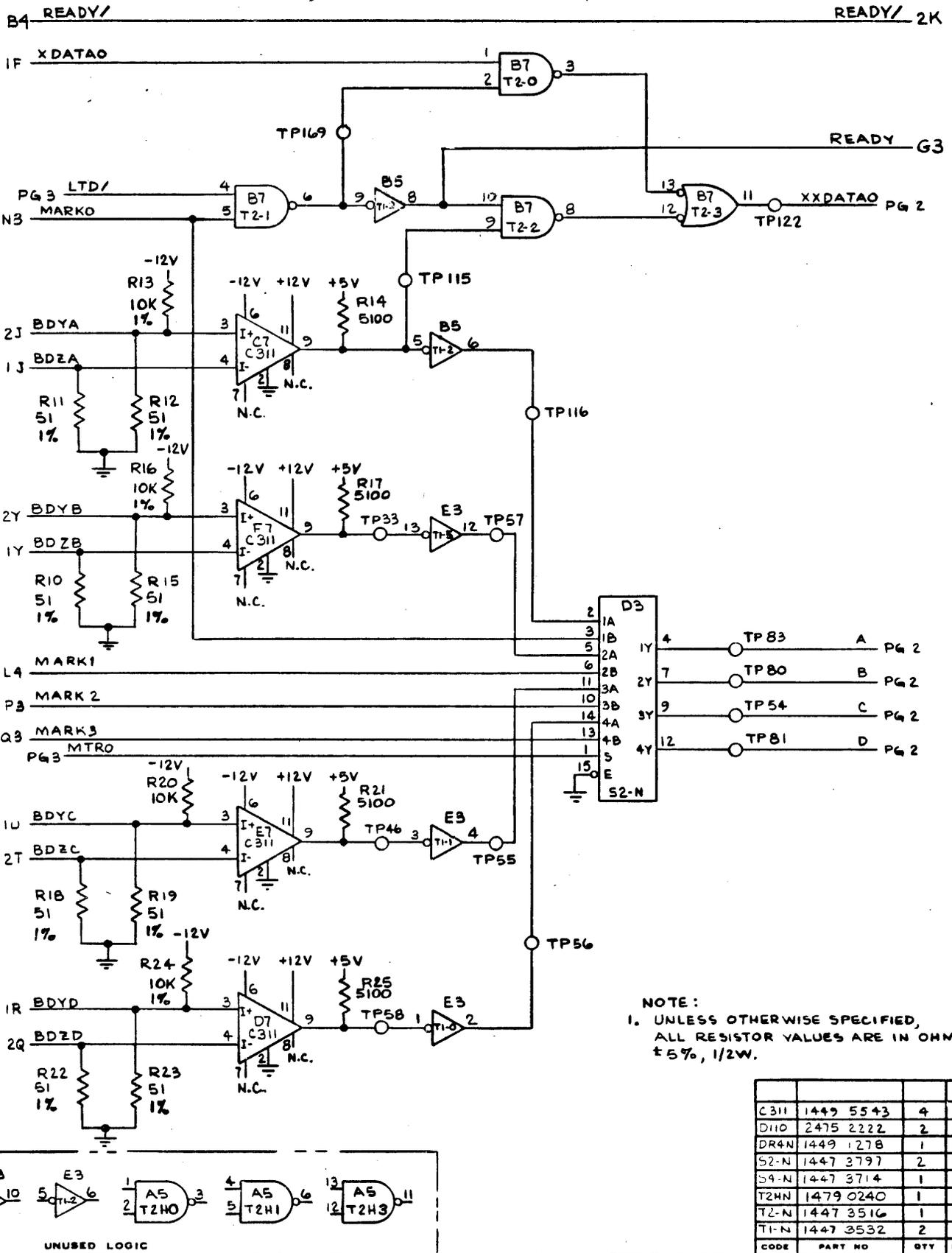
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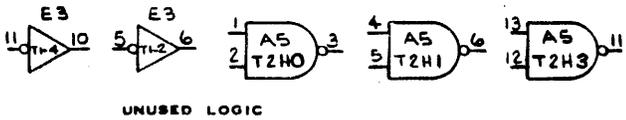
DTM 149 12 67





NOTE:
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DR4N	1449	1278	1	
S2-N	1447	3797	2	
S4-N	1447	3714	1	
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T2-N	1447	3516	1	
T1-N	1447	3532	2	
CODE	PART NO	QTY	LOCATION	



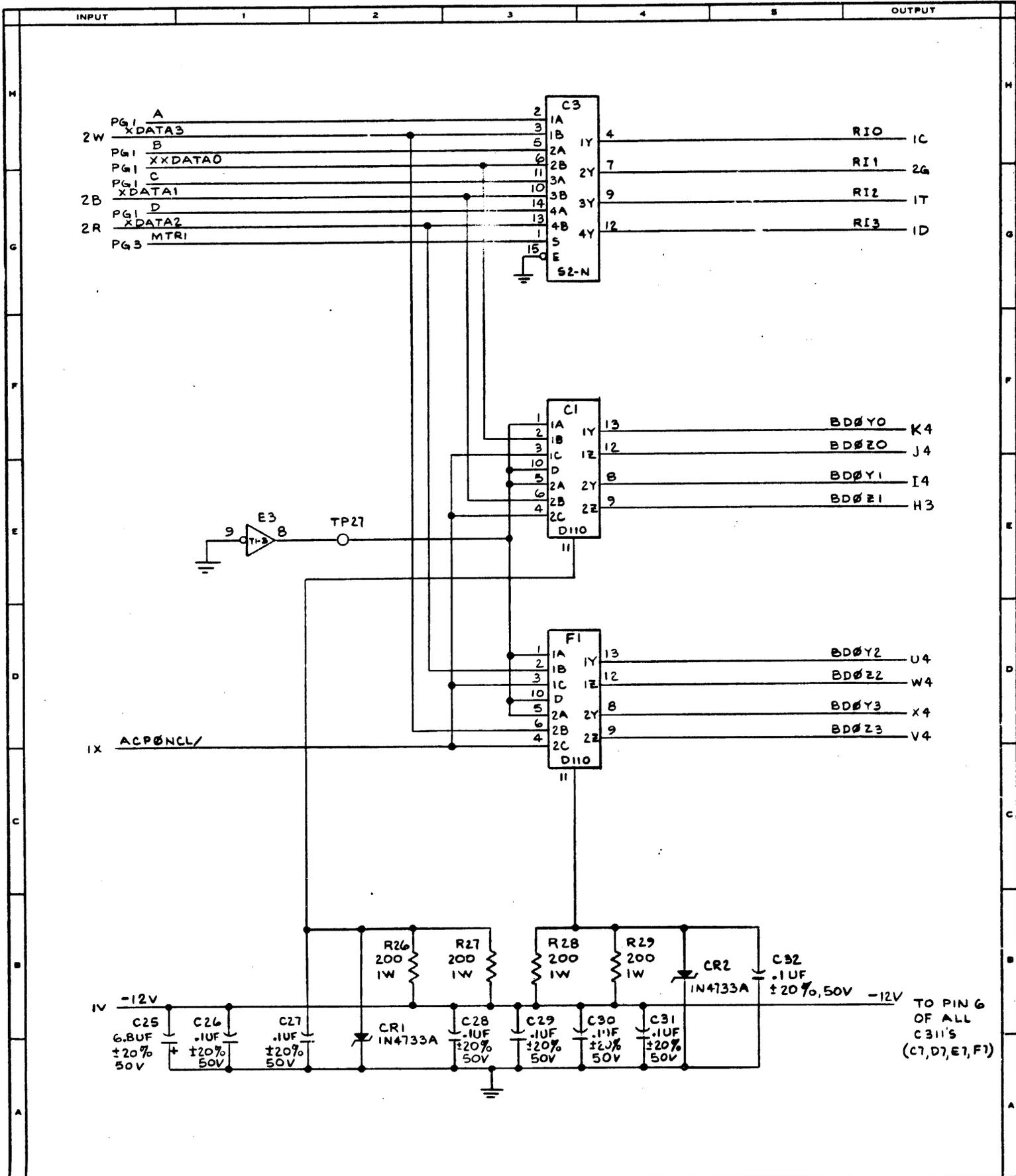
Burroughs Corporation

COMPUTER SYSTEMS GROUP DOWNINGTOWN PLANT DOWNINGTOWN, PA. 19335 U.S. AMERICA

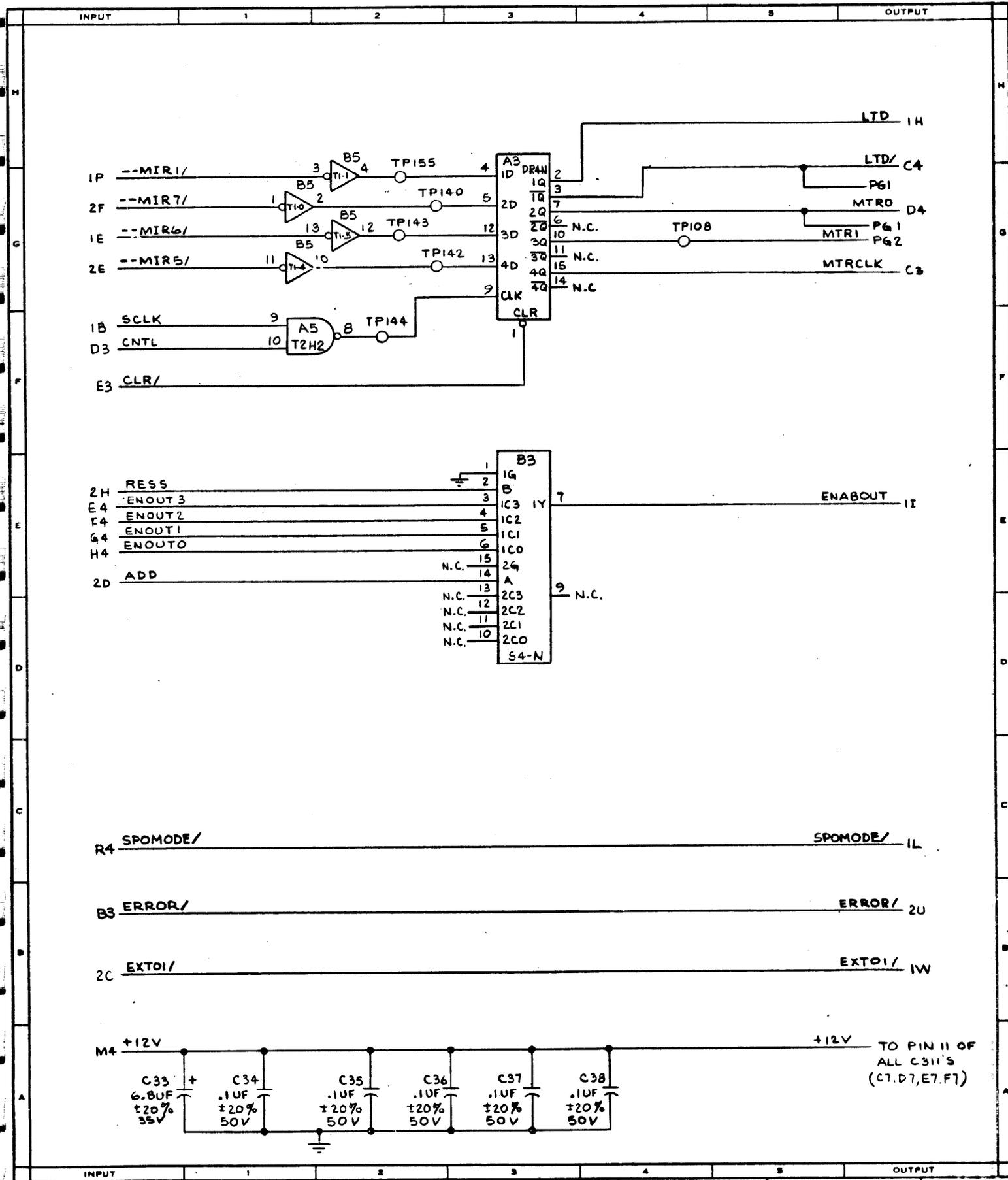
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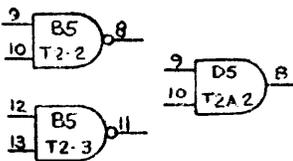
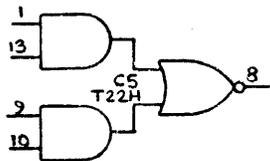
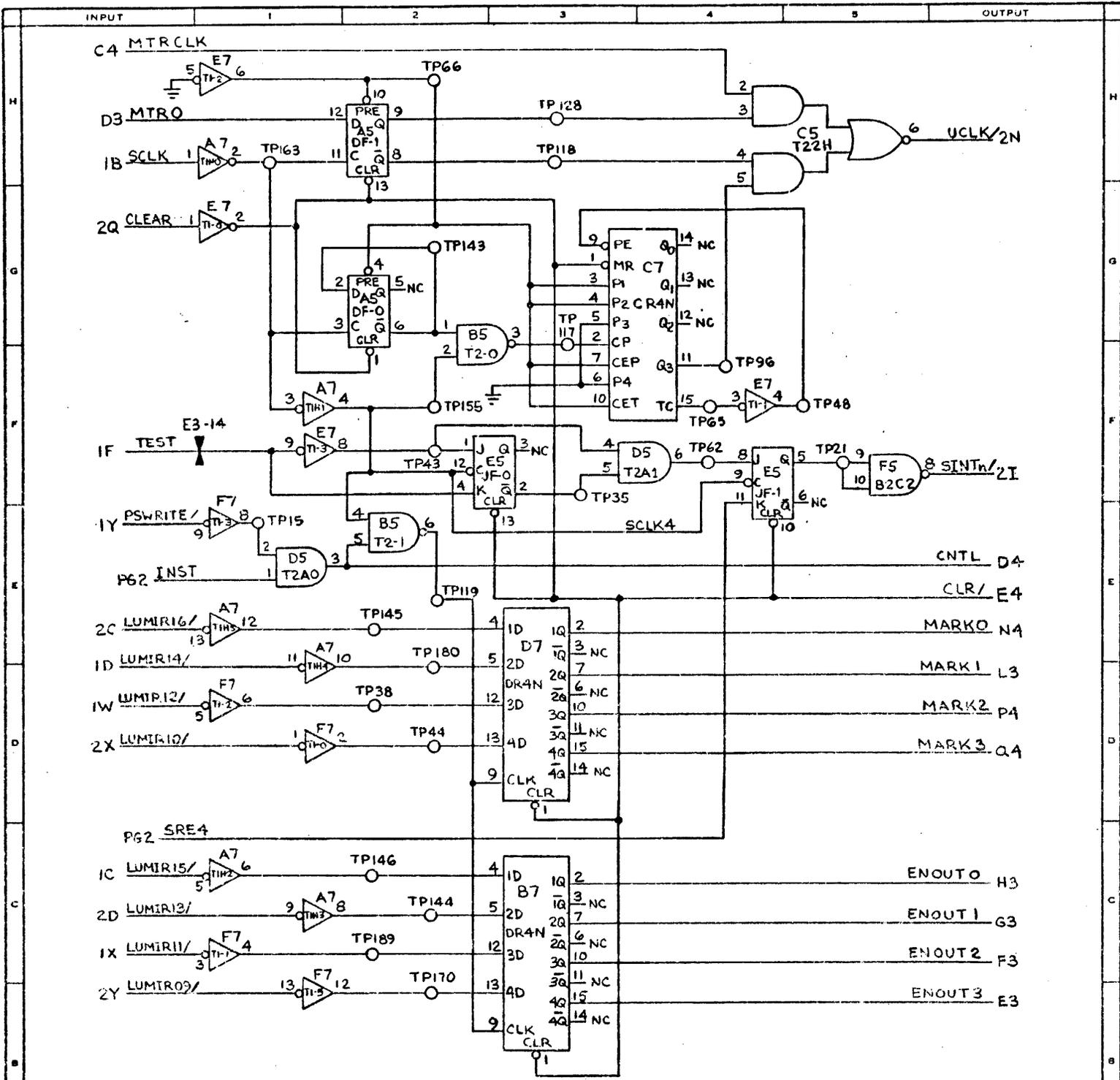
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DATE	7-11-75		1 of 3	2605 1169	038	B	

93



INPUT	1	2	3	4	5	OUTPUT
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CODE	PART NO	QTY	LOCATION
B2CN	1447 3581	1	
MR0D	2606 0369	1	
DR4N	1449 1278	2	
CR4N	1447 3771	1	
JF-N	1447 3615	1	
DF-N	1447 3607	1	
T22H	2603 7598	1	
T2-N	1447 3516	1	
T2AN	1447 3524	1	
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DRAWING 44.131.2.5507

96 **Burroughs Corporation**

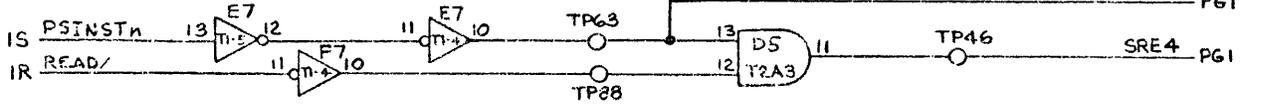
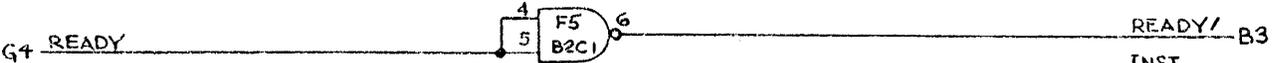
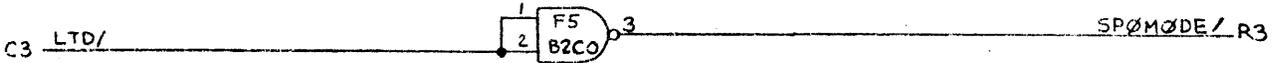
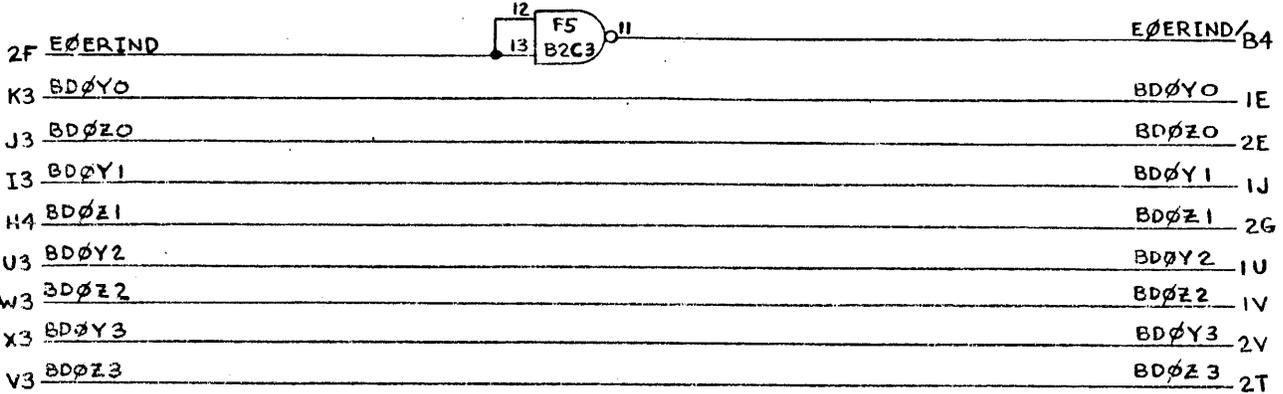
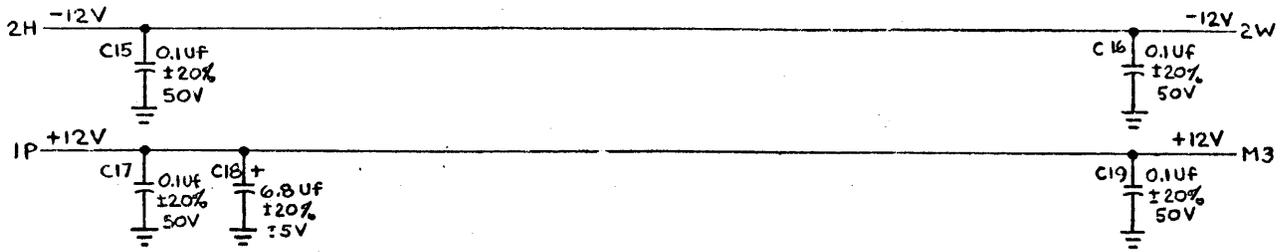
COMPUTER SYSTEMS GROUP DOWNTOWN PLANT
DOWNTOWN PA. 19333 U.S. AMERICA

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REVISED	DATE	BY	REASON																								
1	10-25-75	CLB	CLB																								

96

DESIGNED BY CLB	DATE 9-1-75	TITLE DEK 4	CLASS CODE 2-3520
CHECKED BY CLB	DATE 5-8-75	SHEET 1 of 2	PLT NO 2605 1193
APPROVED BY CLB	DATE 9-11-75	DWG NO. 038	REV A

INPUT 1 2 3 4 5 OUTPUT



INPUT 1 2 3 4 5 OUTPUT

Burroughs Corporation

COMPUTER SYSTEMS GROUP DOWNINGTOWN PLANT
DOWNINGTOWN PA. 19333 U.S. AMERICA

REVISIONS

TITLE		CLASS CODE	
DEK 4		2-9520	
SHEET	DWG NO.	PLT NO.	REV
2	2605 1193	033	A

97

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DTN 140 12 74

Burroughs Corporation



COMPUTER SYSTEMS GROUP

DOWNINGTOWN PLANT
DOWNINGTOWN, PENNSYLVANIA 19335

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CONSENT

NUMBER

2606 4584

REV

A

TITLE

FIELD INSTALLATION INSTRUCTIONS FOR
DATA ENTRY KEYSTATION CONTROL OPTION
(B354)

PREPARED BY

H. Caswell 3/11/76
H. Caswell

APPROVED BY

B. Dinerman 3-11-76
B. Dinerman

ORIGINAL RELEASE DATE

PAGE 1 OF 3

REVISIONS

LEVEL	DESCRIPTION	DATE	APPROVED
A	Initial Release.		

2606 4584

98



1. SCOPE

1.1 Scope.-- This document defines the instructions for field installation of the B354 Data Entry Keystation control option, M&E No. 2606 4576.

1.2 Option items.-- The B354 control option consists of the following items:

Quantity	Description	Part No.
1	Circuit Card Assembly DEK1	2605 1086
1	Circuit Card Assembly DEK2	2605 1110
1	Circuit Card Assembly DEK3	2605 1144
1	Circuit Card Assembly DEK4	2605 1177
2	Connector Assembly	2605 0807
1	Adapter Cable	2606 3602
4	Screw	1256 0397
4	Washer	1256 7426
1	Decal	2606 6738

2. INSTALLATION INSTRUCTIONS

(a) Insert the four circuit card assemblies into the appropriate DDP backplane locations in accordance with system requirements. Refer to the backplane map contained in the system FT&R documentation package for the specific DDP card locations.

(b) Attach the two connector assemblies to the frontplane connector end of the following card pairs:

DEK1 and DEK2

DEK3 and DEK4

(c) On the insertion side of the backplane, attach the 50-pin connector end of the adapter cable which has the strain relief bracket to the appropriate I/O connector.

(d) Secure the two 50-pin connectors on the other end of the adapter cable to the adapter panel using the screws and washers provided.

(e) Affix the decal to the configuration plate in the space for the DDP location which uses this control option.

(f) Option installation is now complete.

(g) To connect the keystations (1 to 4 allowed) to the adapter cable, see Figure 1.

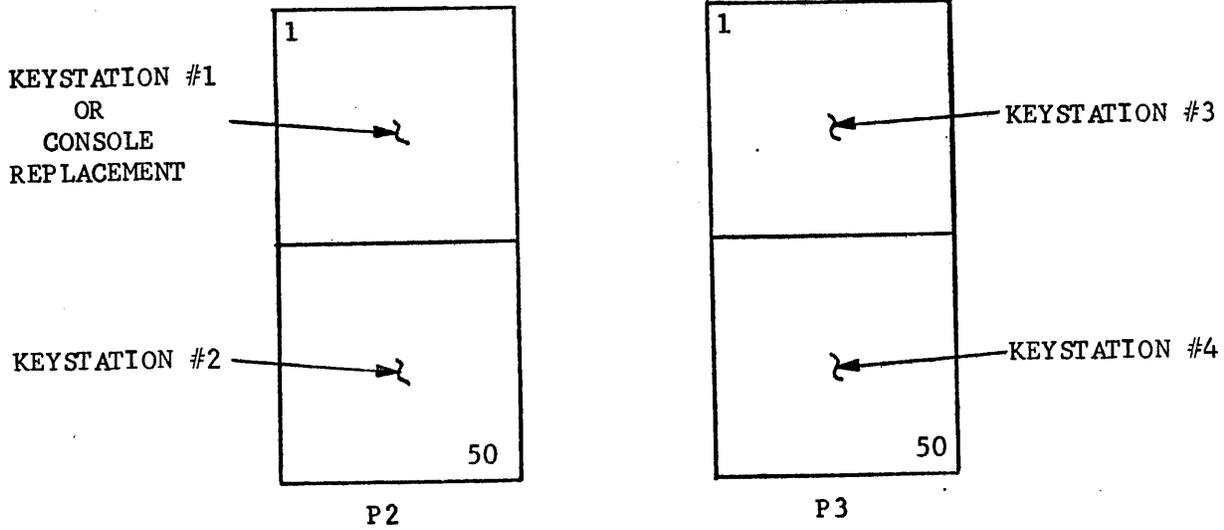


Figure 1. Adapter Cable Connector/Keystation Assignments

DWG NO.
1449 5360

SHEET 2 OF
RELEASER

REVISED
A PER ERM 84-23
B ECN 2045
CIB 1-2-74 (P&E)

WIRE NO.	CONDUCTOR		FROM			TO			REMARKS	WIRE NO.	CONDUCTOR		FROM			TO			REMARKS
	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION			SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	
1	24	GRAY	PI	46	1472 0726	PI001	2	1101 6342	BA	26									
2				22			3		BB	27									
3				39			4		CA	28									
4				2			5		CB	29									
5				1			6		CC	30									
6				16			7		AB	31									
7				3			8		CF	32									
8				37			15		DB	33									
9				50			17		DD	34									
10				7 SEE NOTE 1			18		DATA MODE	35									
11				8			20		CD	36									
12				15 SEE NOTE 2			22		CE	37									
13	24	GRAY	PI	38 SEE NOTE 3	1472 0726	PI001	25	1101 6342	ORIGINATE	38									
14	24	ORN							SPARE	39									
15										40									
16										41									
17										42									
18										43									
19										44									
20										45									
21										46									
22										47									
23										48									
24										49									
25										50									

NOTES:

- ATTACH SLEEVE MARKER, ITEM 13, (7,DM) NEAR PIN 7 ON WIRE NO. 10.
- ATTACH SLEEVE MARKER, ITEM 14, (15,CE) NEAR PIN 15 ON WIRE NO. 12.
- ATTACH SLEEVE MARKER, ITEM 15, (38,OR) NEAR PIN 38 ON WIRE NO. 13.

18/

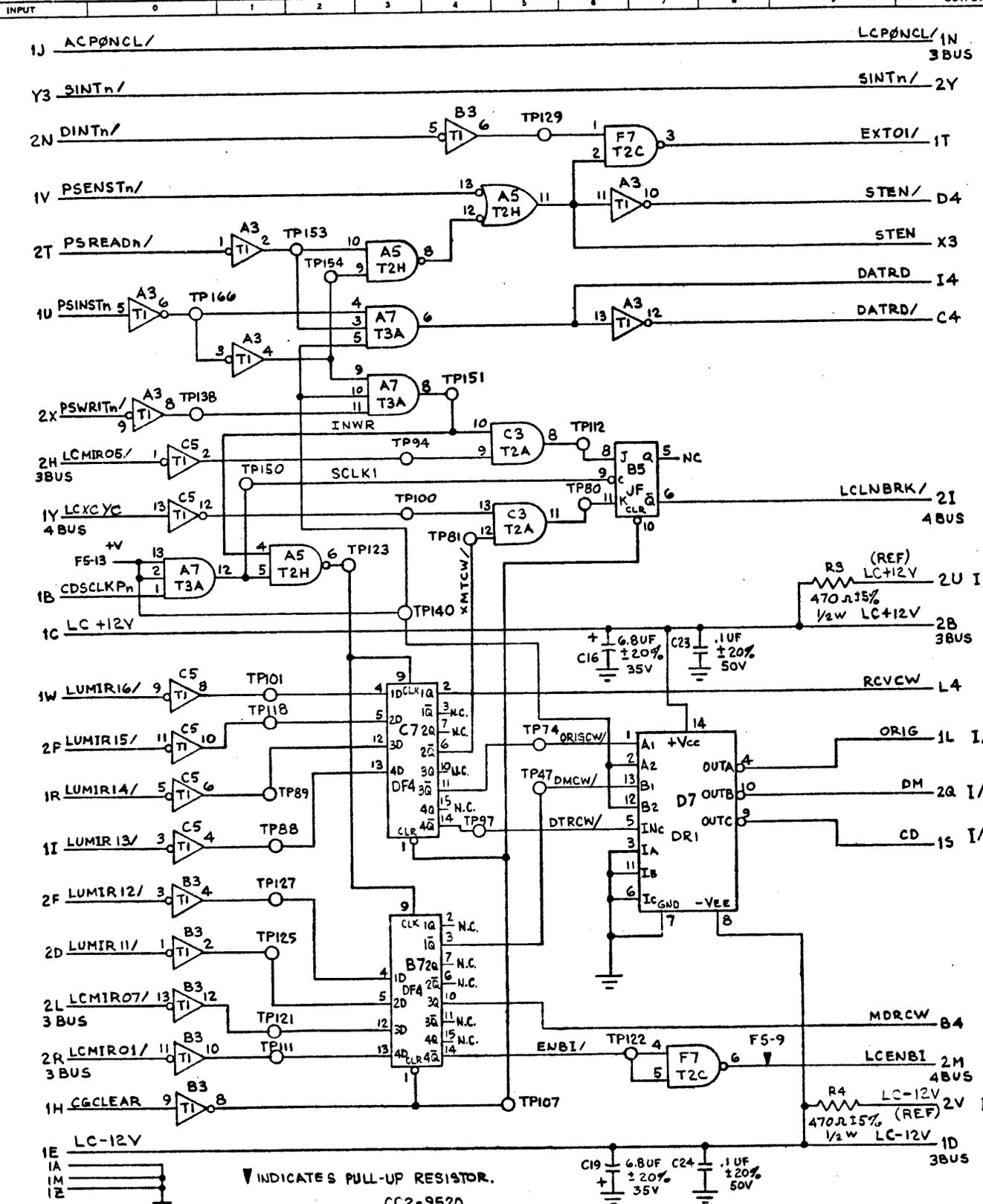
DRAWN KAPPE	DATE 1-26-73
CHECKED <i>[Signature]</i>	DATE 7-23-73
DSGN OR ENGR E. Orzech	DATE <i>[Signature]</i>
APPROVED <i>[Signature]</i>	DATE 7/1/73

Burroughs Corporation 
SMALL SYSTEMS PLANT
DOWNTOWN, PA. 19338, U S AMERICA

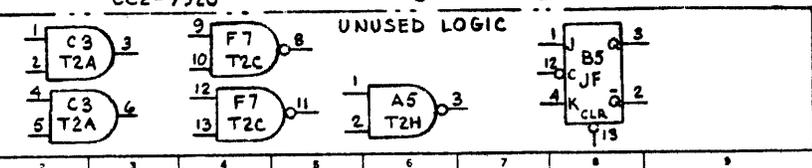
TITLE
WIRE LIST
CABLE ASSY
RJE/MODEM

SHEET DWG NO
2 OF 1449 5360

SCHMATIC



CODE	PART NO	QTY	CODE	PART NO	QTY
T2H	1479 0240	1	DRI	1449 1328	1
T2C	1447 3581	1	DF4	1449 1278	2
T2A	1447 3524	1	JF	1447 3615	1
TI	1447 3532	3	T3A	1447 3557	1



DP 1/2
SH

Burroughs Corporation

MAGNETIC SYSTEMS PLANT
DOWNTOWN, PA 19328

TITLE COMMAND LC1

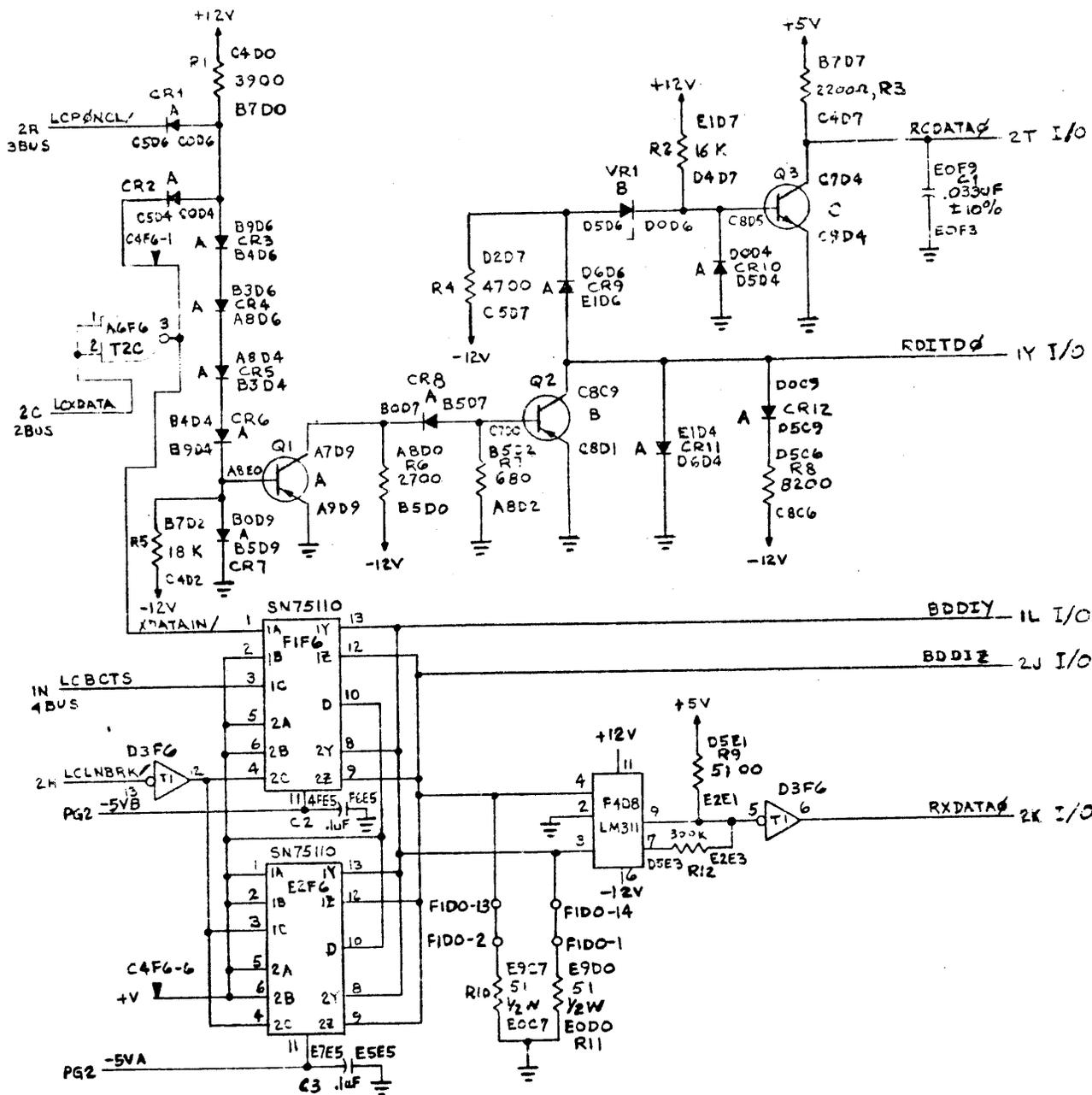
SYSTEM B770
DRAWN C.L. BISHOP
APPROVED E. BOGUSCH

CHECKED C. STIMSON
RELEASED 8-20-73

DWG. NO. 1449 4363
PAGE 1 OF 1
REV. LETTER B PERCEN
SEP 14 74 11

PRINTED IN U.S.A.

SCHMATIC



NOTES:

- FOR ASSEMBLY SEE 1449 4405.
- COMPONENTS IDENTIFIED BY LETTERS A, B ETC., INDICATE PART NUMBERS AS FOLLOWS:

TRANSISTORS	DIODES
A- 1447 3451	A- 1471 4703
B- 1471 4828	B- 1477 9979
C- 1471 4778	C- 1449 5469
- UNLESS OTHERWISE SPECIFIED, ALL RESISTOR VALUES ARE IN OHMS, ± 5%, 1/2W

R	1448 2319	1
SN75110	2475 2222	2
LM311	1449 5543	1
T2C	1447 3581	1
T1	1447 3532	1
CODE	FART NO.	QTY

CC2-9520

Burroughs Corporation

TITLE DIRECT CONNECT LCB

SYSTEM B770

APPROVED

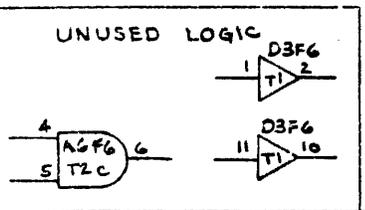
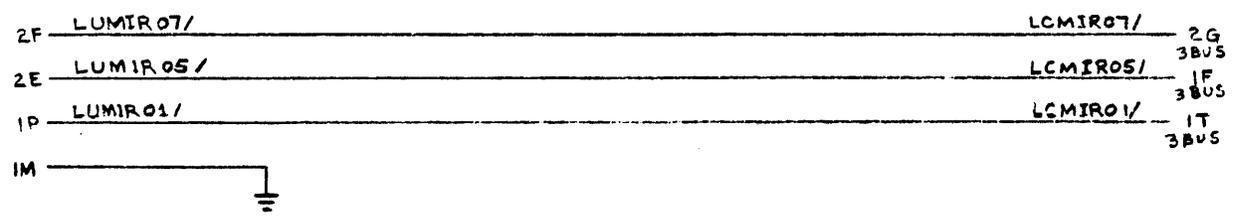
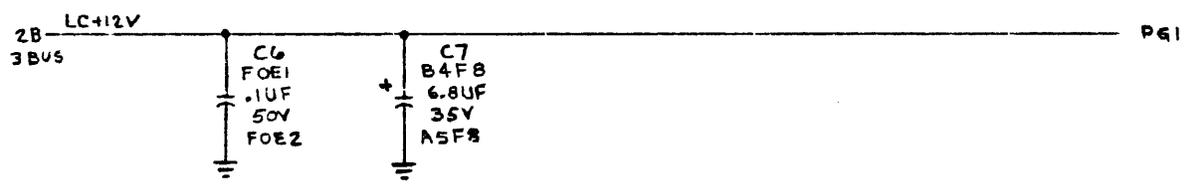
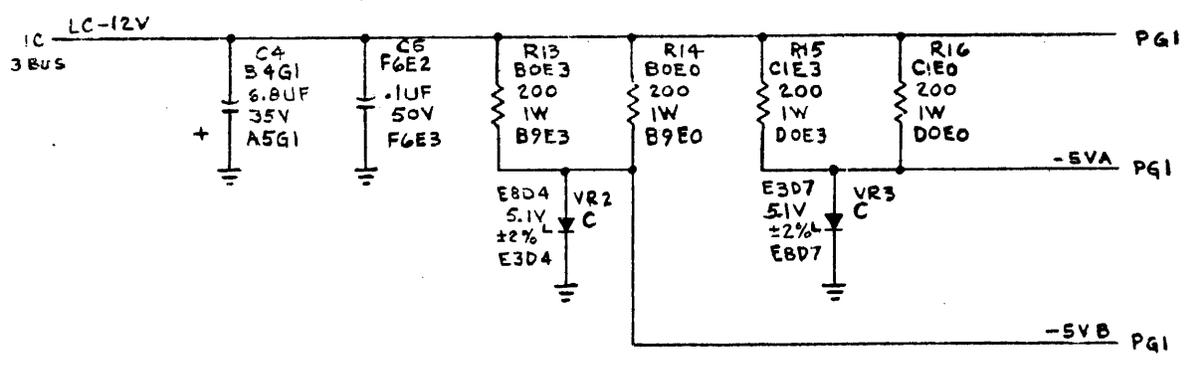
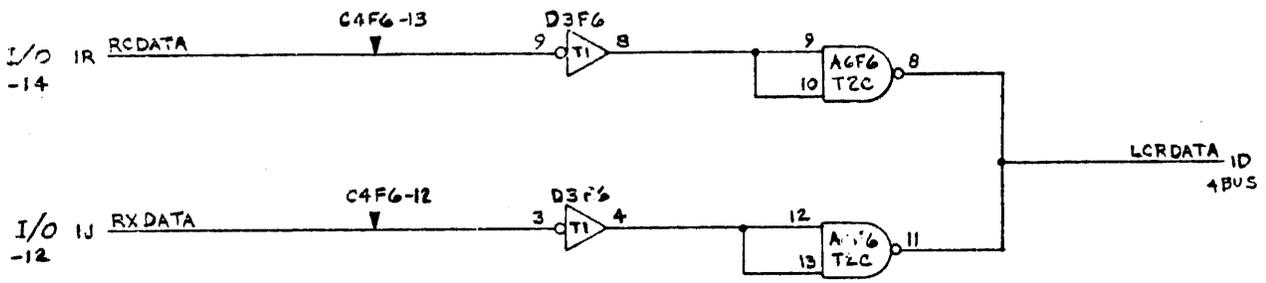
RELEASED 9-2-73

DWG NO. 1449 4421
PAGE 1 OF 2
REV LETTER E ECN 46/1

1 PG
C ERV

105

SCHEMATIC



CC2-9520

Burroughs Corporation
MAGNETIC SYSTEMS PLANT
DOWNTOWN, PA 15228

TITLE DIRECT CONNECT LC3
SYSTEM B 770
DRAWN J 507MR 237875 CHECKED CCB
APPROVED
RELEASED 8-20-75

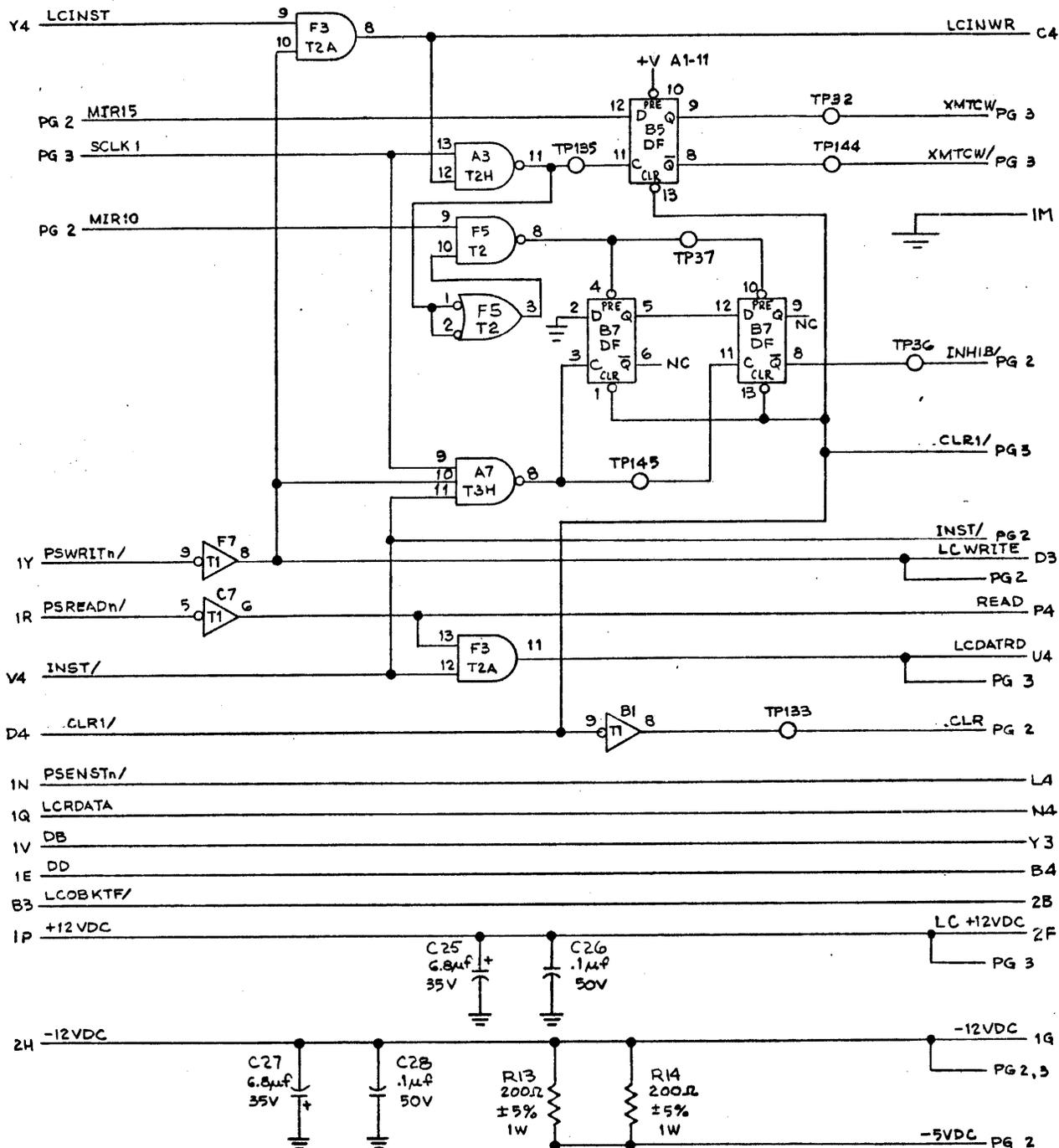
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PAGE 2
REV. LETTER C FIELDEN 2039

106

106

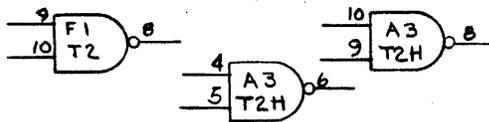
SCHMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



T2H	1479	0240	1
R. MOD	1448	2319	2
TT01	1449	1302	1
DF4	1449	1278	2
DR1	1449	1328	1
JF	1447	3615	2
DF	1447	3607	3
T3H	1486	876Q	1
T3A	1447	3557	2
T2A	1447	3524	1
T2	1447	3516	3
T1	1447	3532	3

SPARE LOGIC



CC2-9520

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

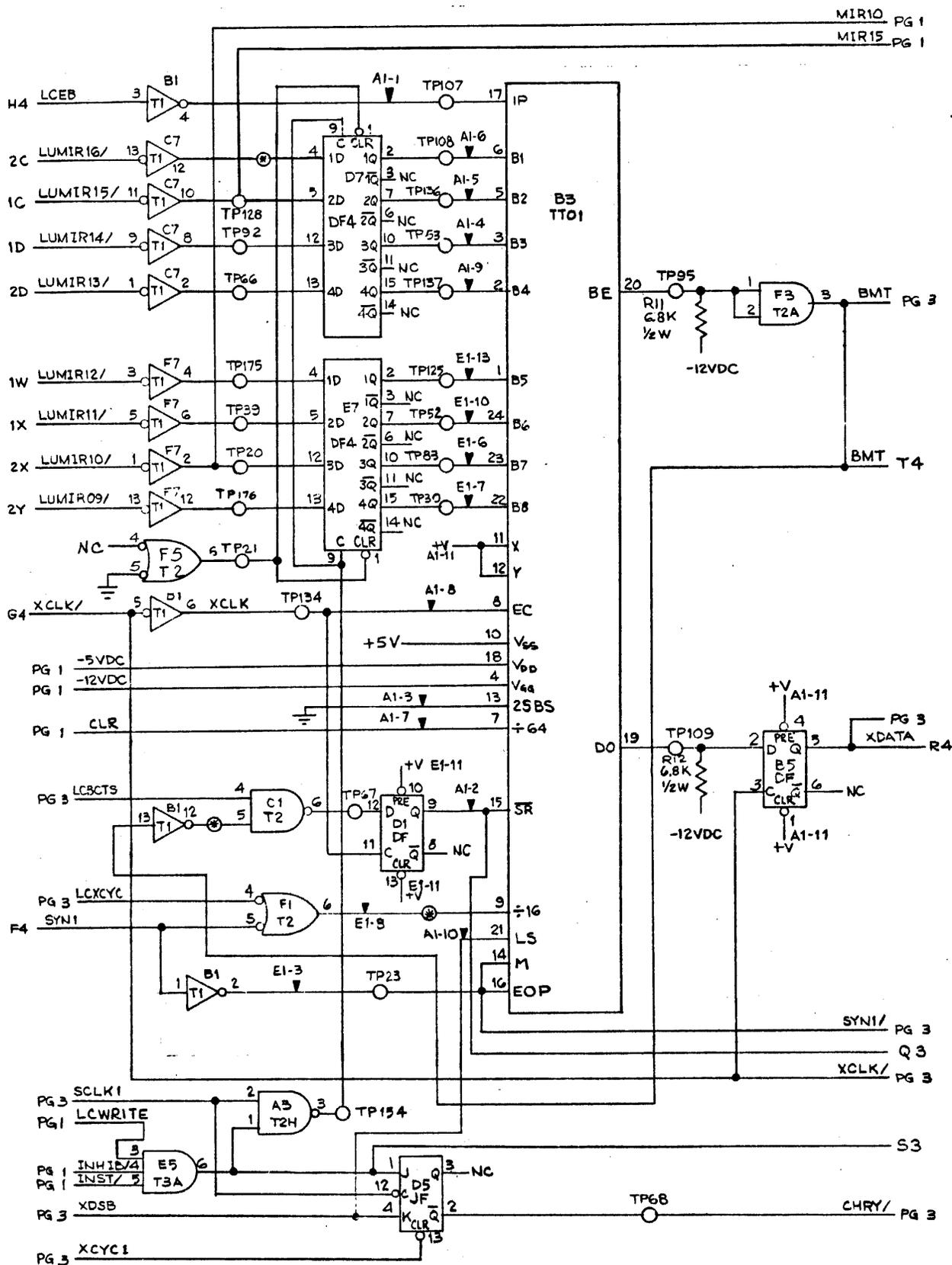
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TITLE TRANSMIT (LC4)
 SYSTEM B770
 DRAWN 3/ INCH
 APPROVED
 CHECKED *R. J. ...*
 RELEASED 8-20-73
 DWG. NO. 1449 4454
 PAGE 1 OF 3
 REV. LETTER D ECH 3721
 DWP 2-20-73

3	2	1	PAGE NO
C	D	D	REV LSV

SCHMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



CC2-9520

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

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TITLE TRANSMIT (LC4)

SYSTEM 8770

DRAWN J INCH

APPROVED

CHECKED *RWA* 4/1/73

RELEASED 8-20-73

DWG. NO. 1449 4454

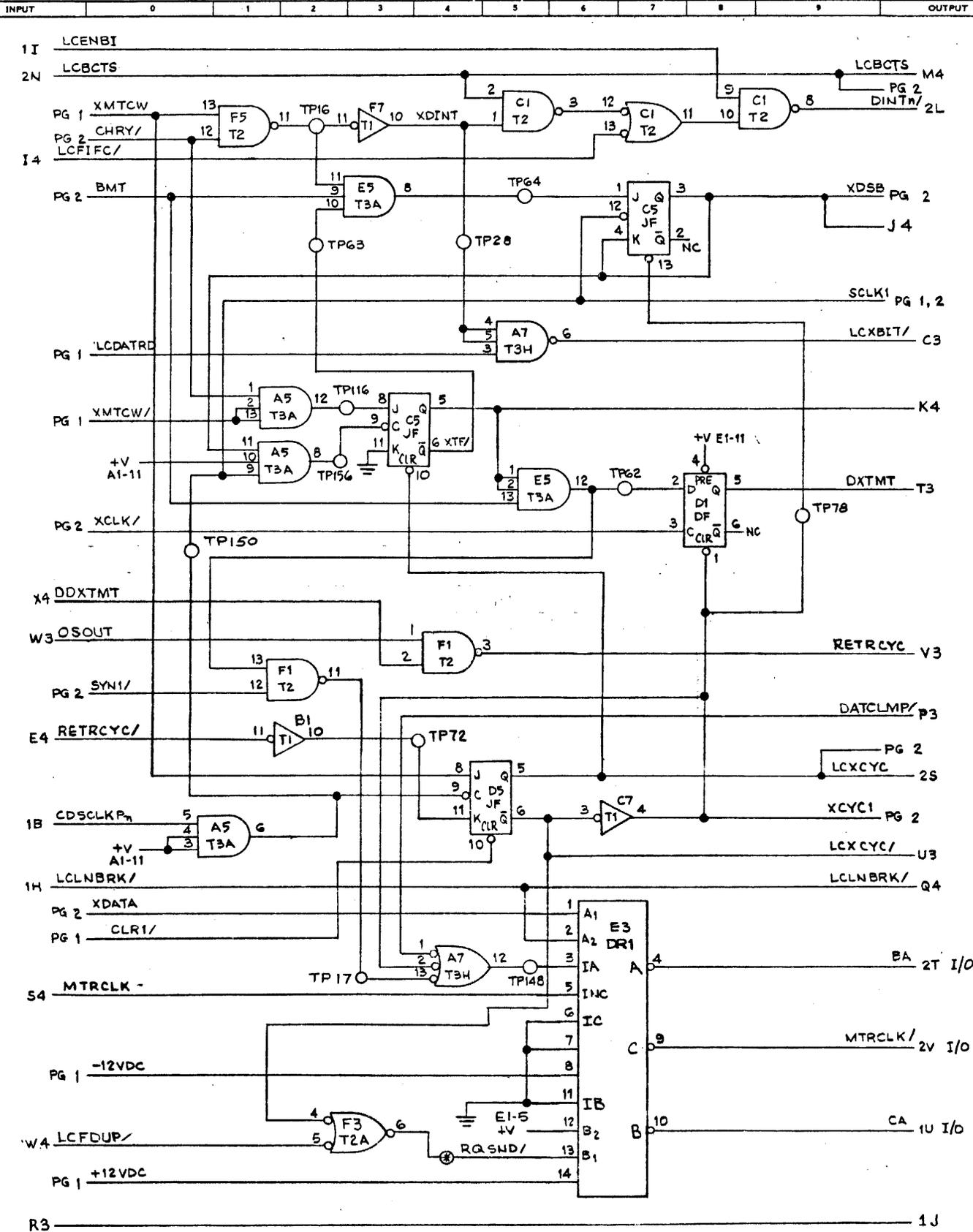
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REV. LETTER D ECN 3721

DWE 2-20-73

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SCHMATIC



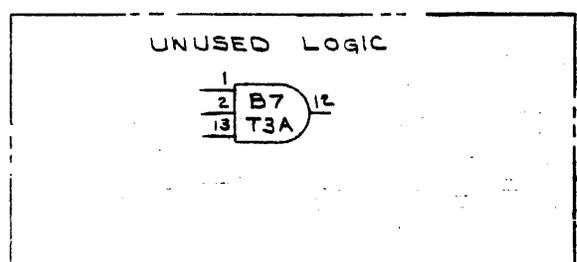
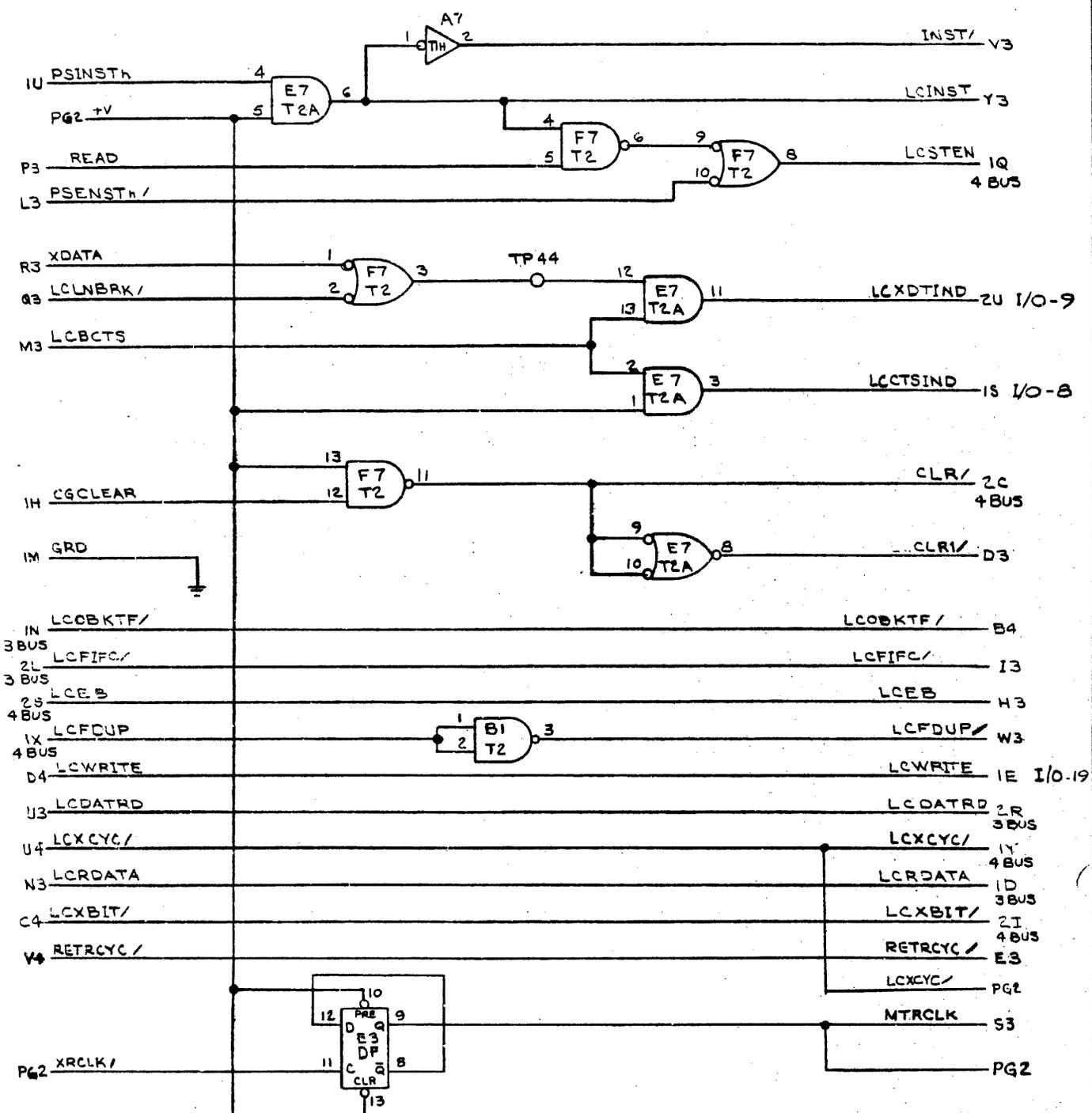
INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

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TITLE TRANSMIT (LC4)
 SYSTEM R 770
 DRAWN J INCH
 APPROVED
 CHECKED *R. W. ...* 7/15/73
 RELEASED 8-20-73
 DWG. NO. 1449 4454
 PAGE 3
 REV. LETTER C ECN 2011
 8/19/74

SCHEMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



RWD	1448	2319	1
T2A	1447	3524	1
RC	1449	1336	1
CB	1447	3771	3
JF	1447	3615	2
TH	1479	7971	1
SS	1447	3706	1
T2	1447	3516	2
DF	1447	3607	2
T2H	1479	0240	1
T3A	1447	3557	1
CODE	PART NO.	QTY	

CC2-9520

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

Burroughs Corporation
 MAGNETIC SYSTEMS PLANT DOWNTOWN, PA 19119

TITLE **CLK LC5**
 SYSTEM 8770
 DRAWN J. DOERF CHECKED C.A. BISHOFF
 APPROVED RELEASED 9-2-73

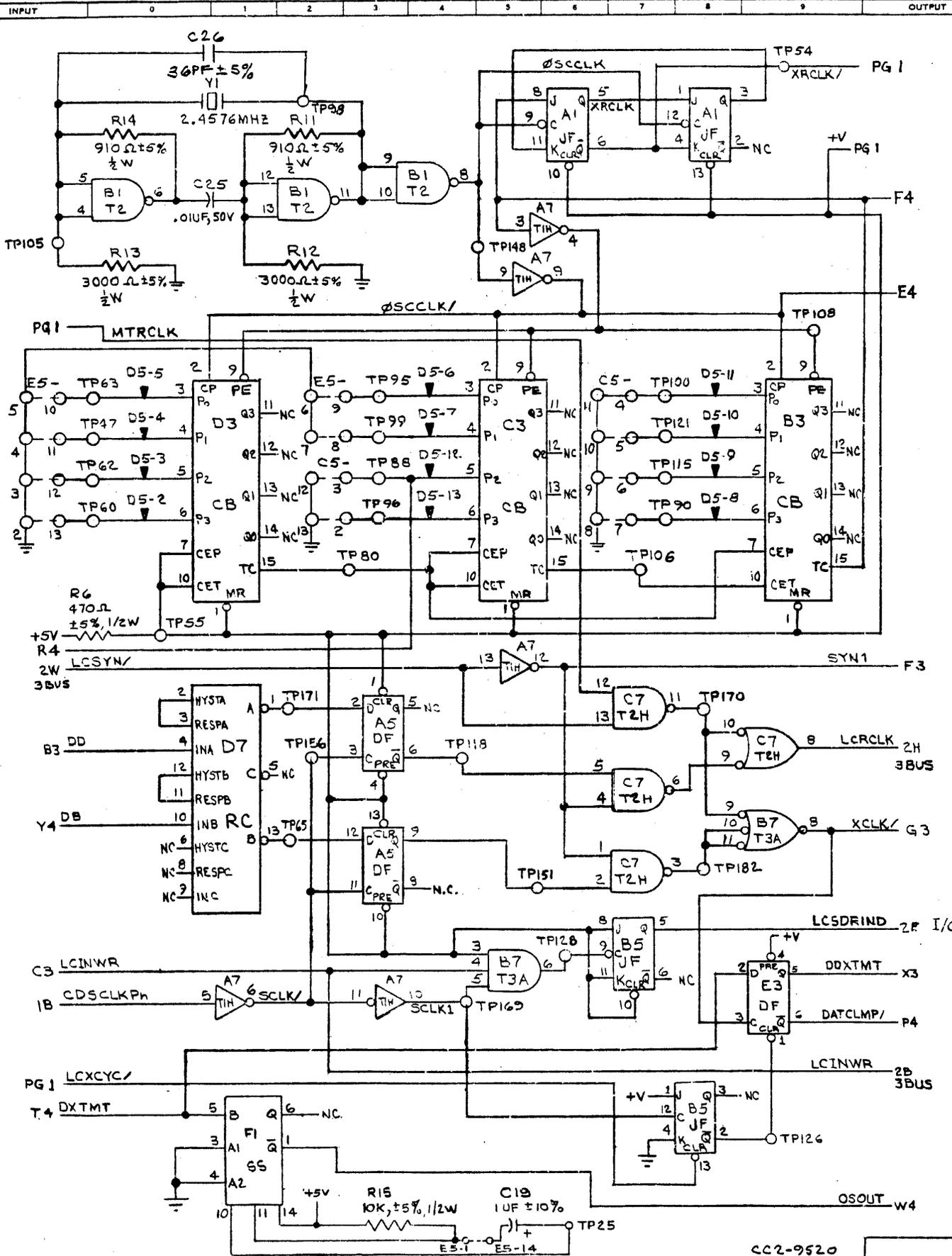
DWG. NO. 1449 448S
 PAGE 1 OF 2
 REV. LETTER G

SHT 1 2
 REV G G

110

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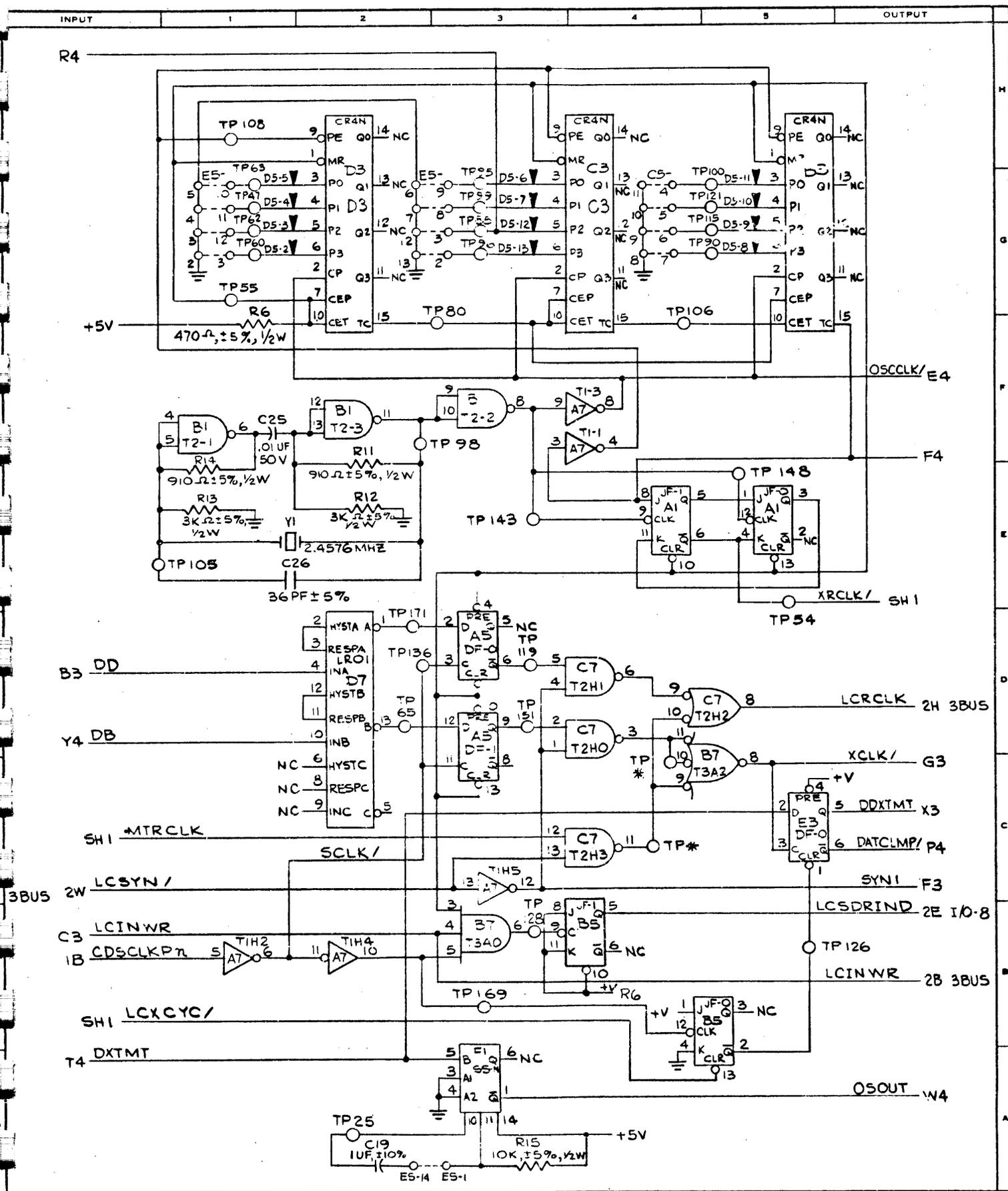
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CC2-9520

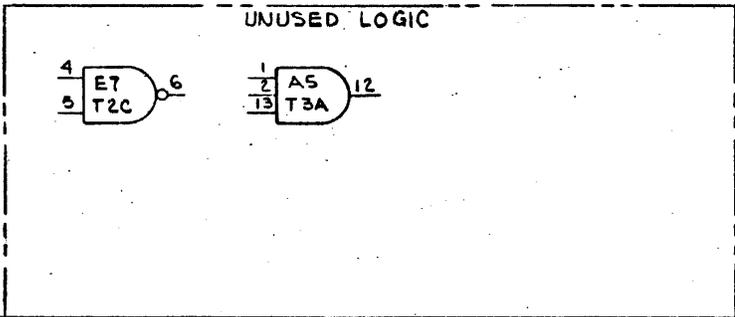
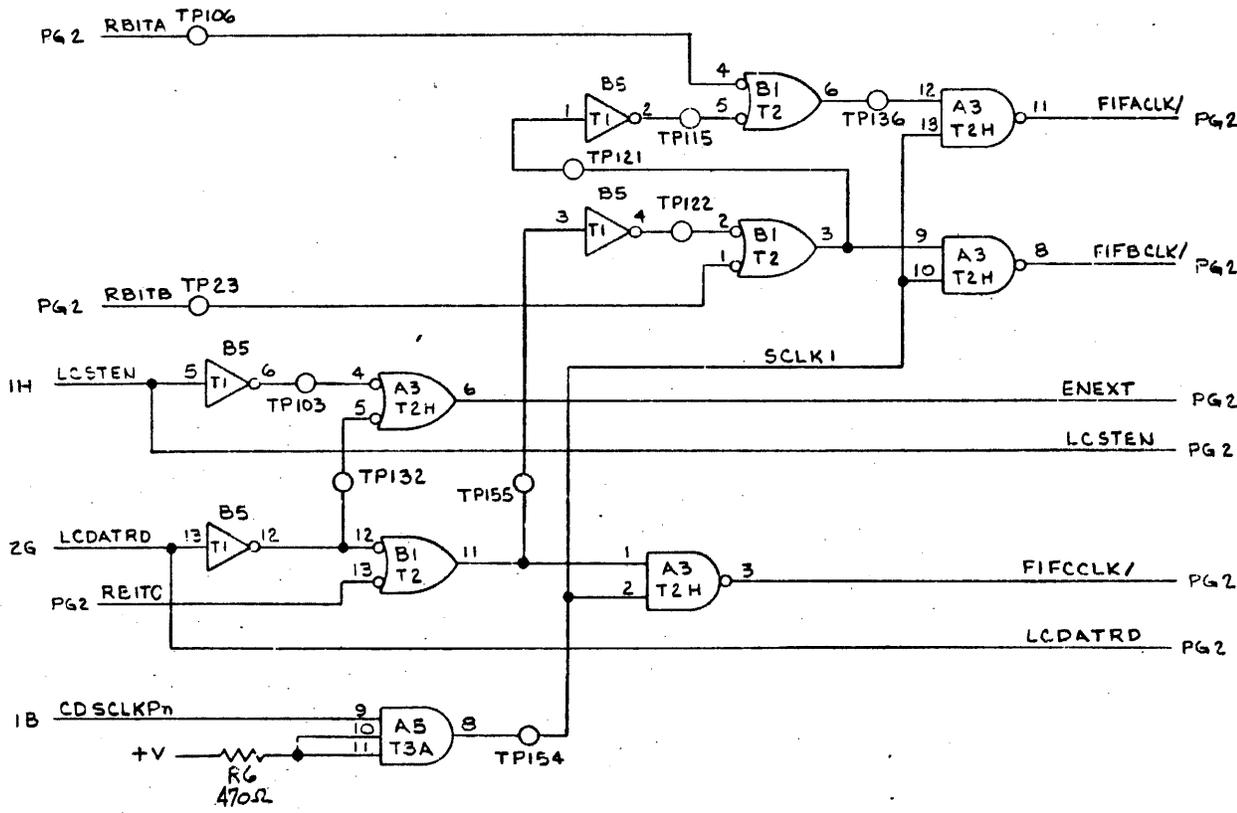
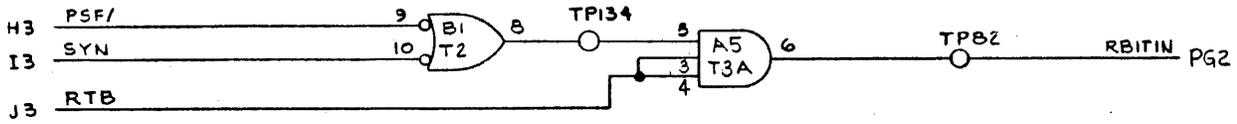
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TITLE **CLK LGS**
 SYSTEM B770
 DRAWN BY JOSEPH WARTS CHECKED BY [unclear]
 APPROVED [unclear] RELEASED 3/13/73
 DWG. NO. 1449 4488
 PAGE 2 OF 2
 REV. LETTER G



SCHEMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



S2	1447 3797	1
DF4	1449 1278	3
DF6	1449 1260	3
T3A	1447 3557	1
T2C	1447 3581	3
T2H	1479 0240	1
T2	1447 3516	1
T1	1447 3532	1
CODE	PART NO.	QTY

CC2-9520

SH

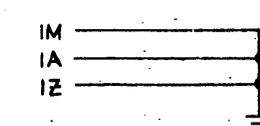
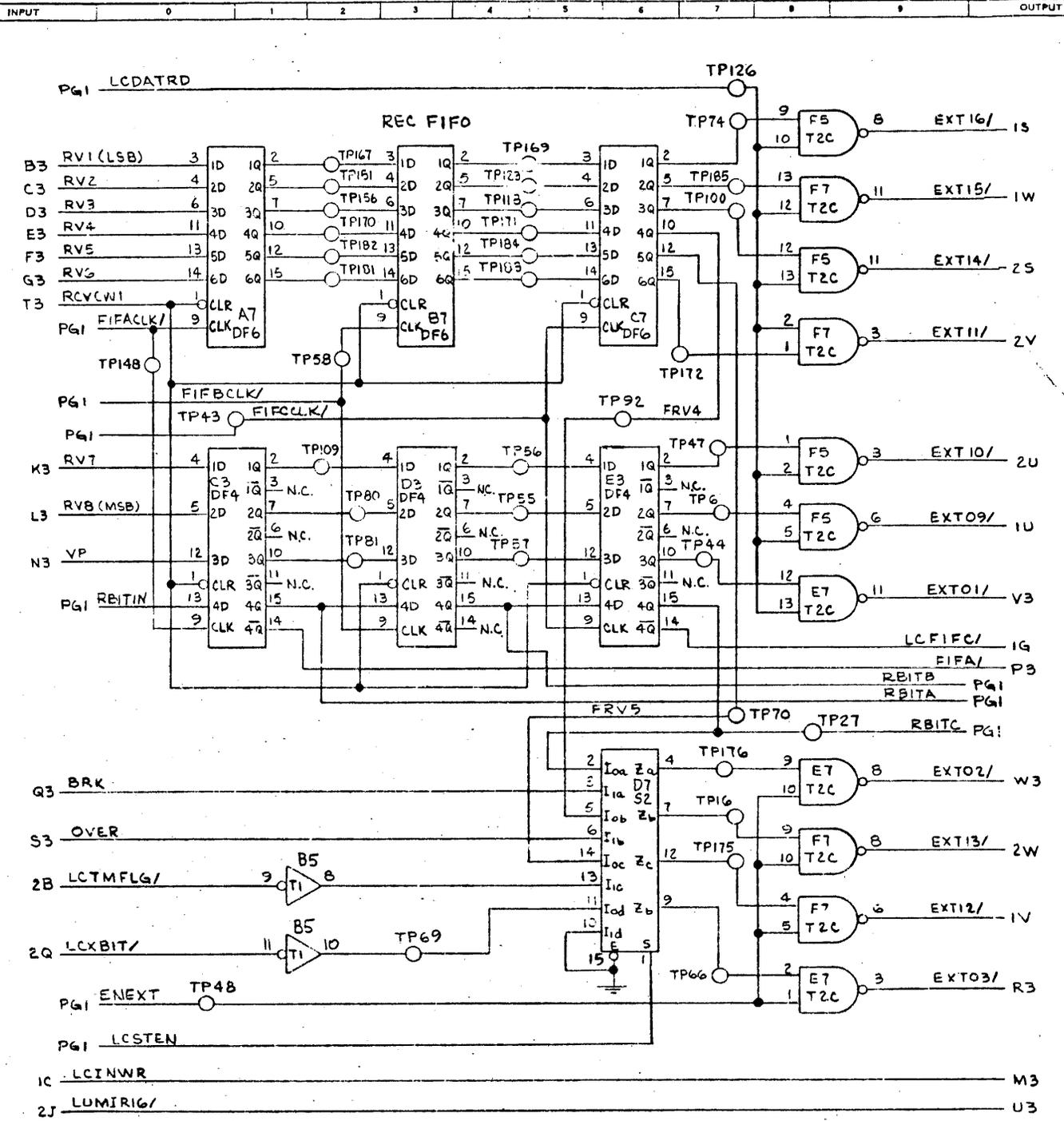
Burroughs Corporation
MAGNETIC SYSTEMS PLANT DOWNTOWN, PA 19338

TITLE LCG FIFO
SYSTEM B770
DRAWN J. SCHLENNER CHECKED *[Signature]* 3/29/73 PAGE 1 OF 2
APPROVED B. DINGERMAN RELEASED 2-15-2013 REV. LETTER B ECN4717
12-9-72 SH 2 463876

SHT 1 2
REV B B

114 3/29/73 160-73

SCHEMATIC



CC2-9520

SH

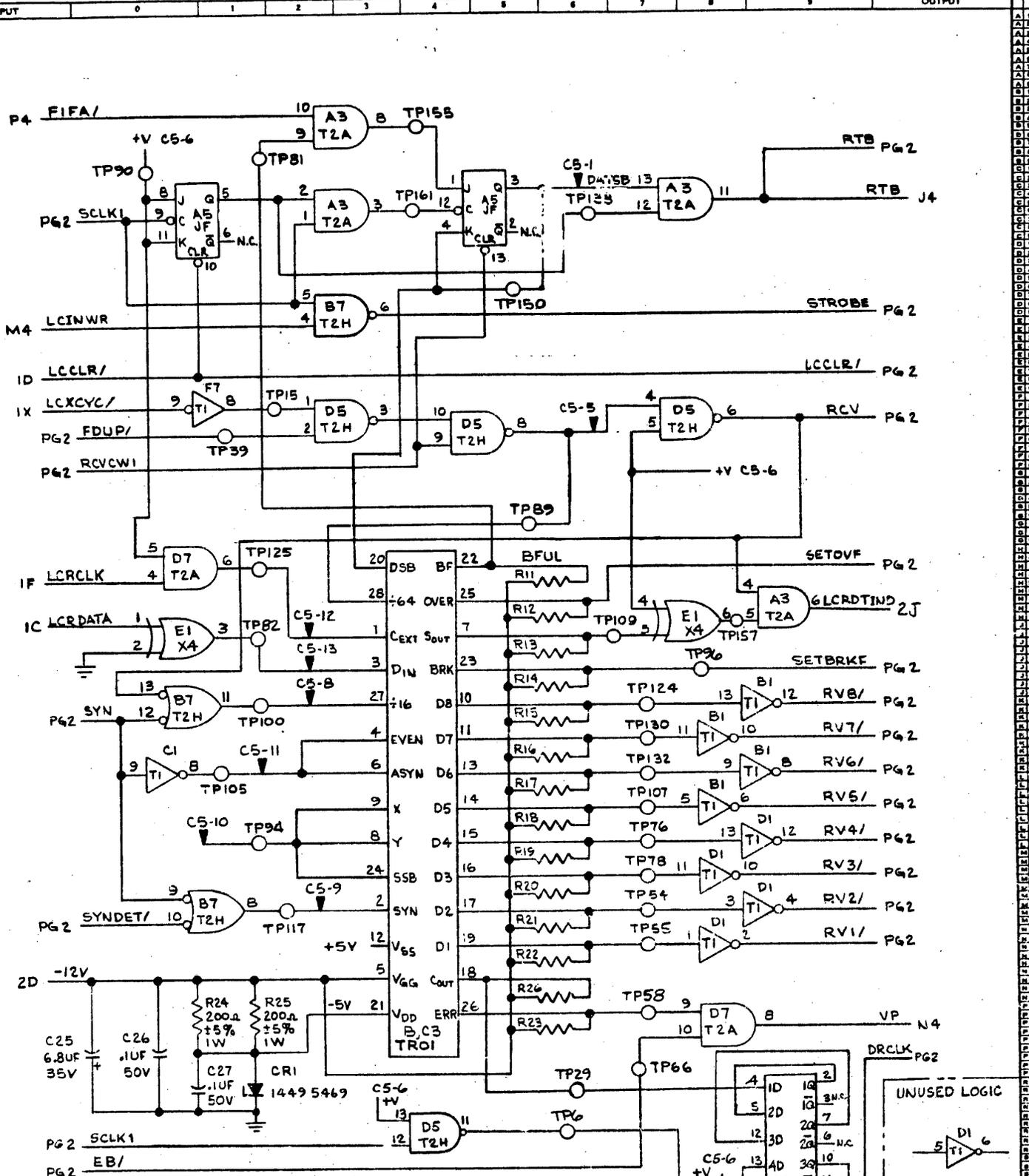
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TITLE LCG FIFO
 SYSTEM B770
 DRAWN J. SCHLENNER CHECKED [Signature] DATE 3/13/73 PAGE 2
 APPROVED D. DINERMAN RELEASED 2-13-73 REV. LETTER B
 12-8-12

DWG. NO. 1449 3241
 PAGE 2
 REV. LETTER B

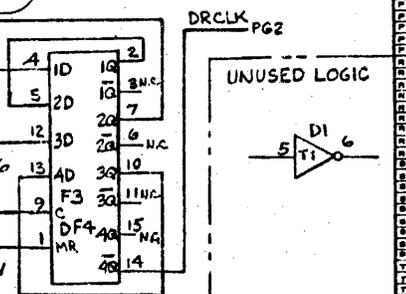
115 3/13/73 1A X 13

SCHEMATIC



T3A	1447 3557	1			
T8	1447 3573	1	1448 2319	1	
X4	1447 3698	1	TRO1	1449 1310	1
T2A	1447 3524	2	DF4	1449 1278	2
T2H	1479 0240	2	JF	1447 3615	3
T1	1447 3532	4			
CODE	PART NO.	QTY	CODE	PART NO.	QTY

NOTES:
 1. UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE 6800-Ω ±5%, 1/2W
 2. ▽ DESIGNATES PULL-UP RESISTOR



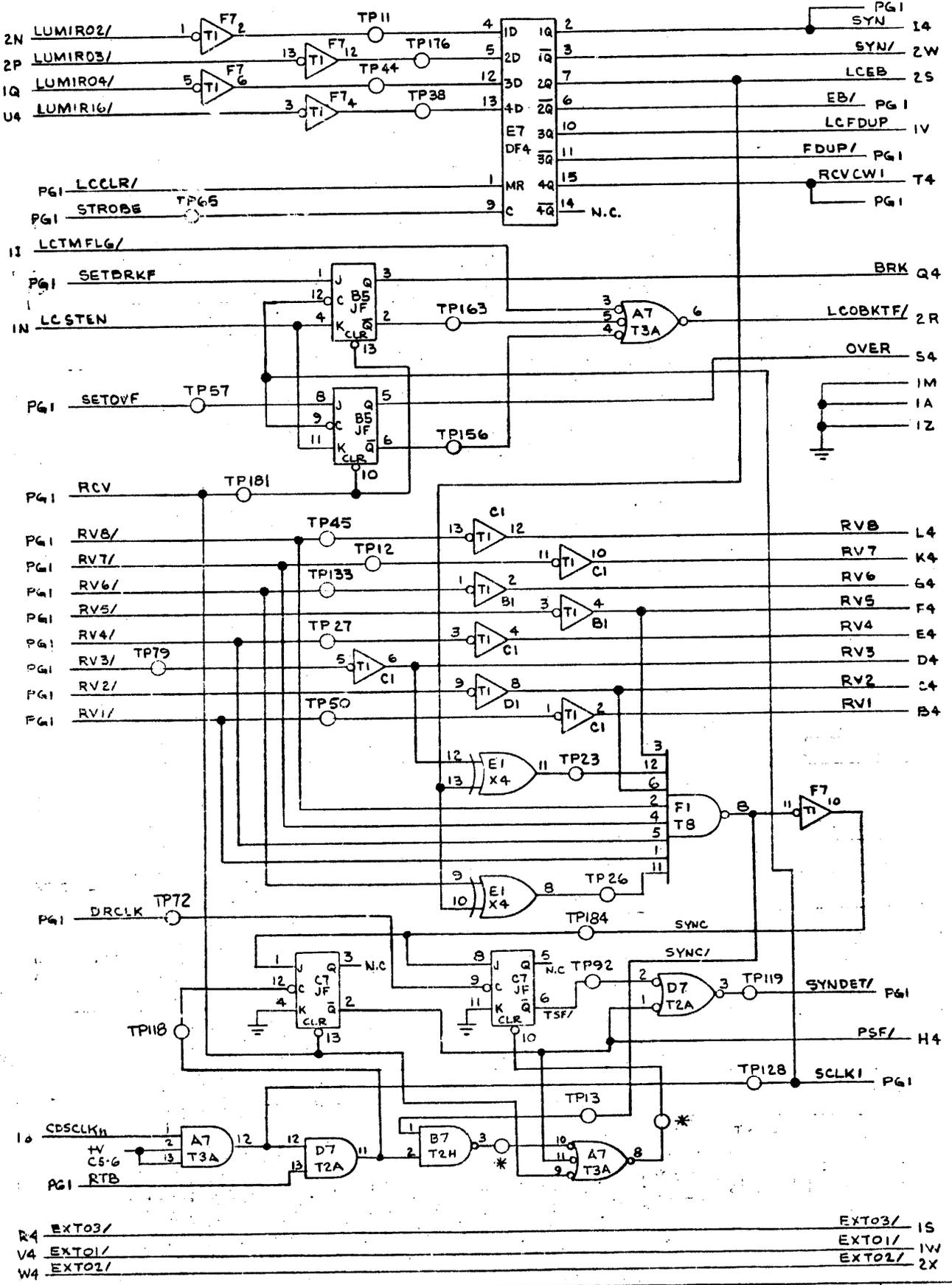
CC2-9520 SH

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TITLE RECEIVER LCT
 SYSTEM B770
 DRAWN S. SCHLENNER CHECKED [Signature]
 APPROVED E. BOGUSH RELEASED [Signature]
 DWG. NO. 1449 4512
 PAGE 1 OF 2
 REV. LETTER A REL ER 94
 PRINTED IN U.S.A.

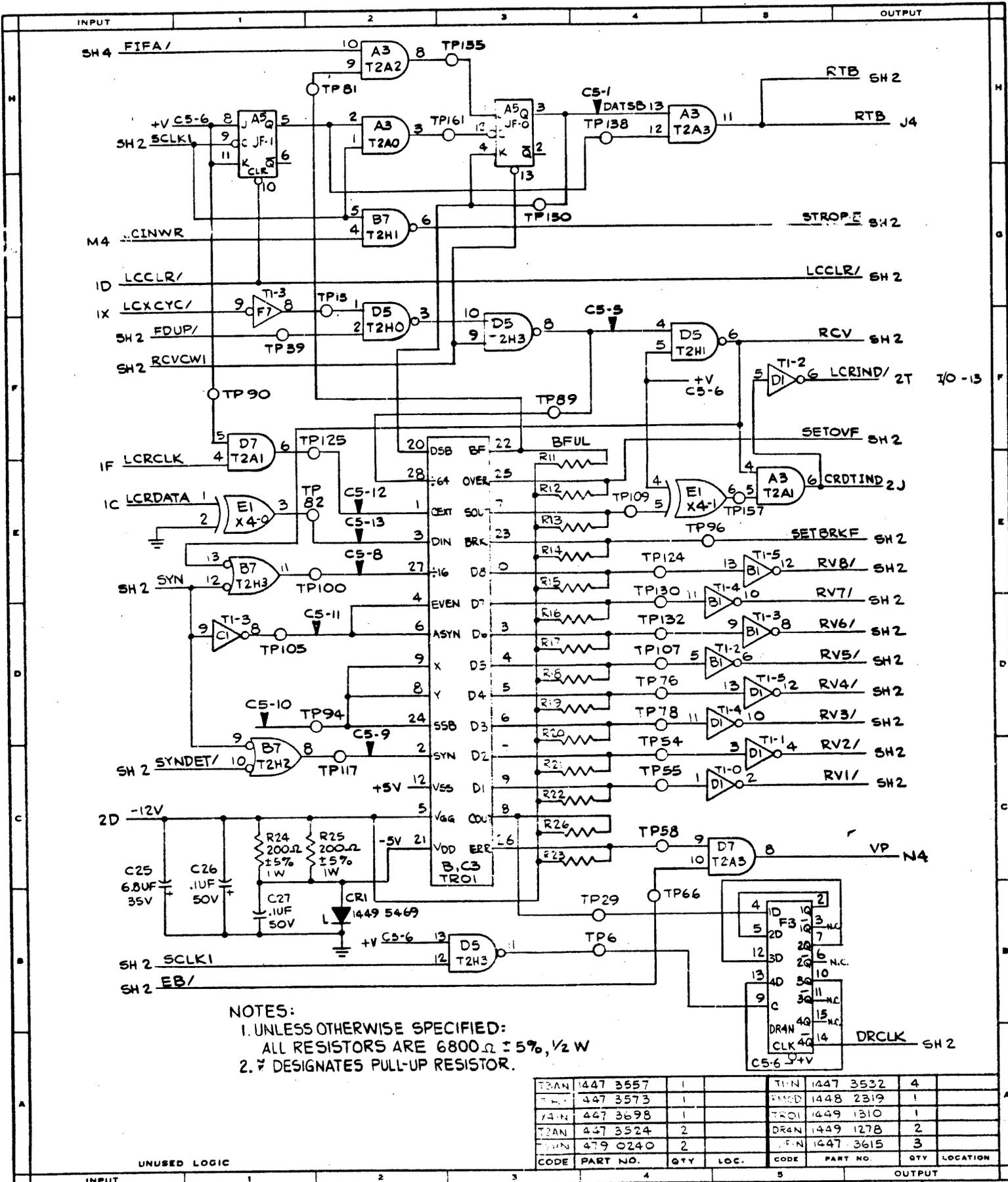
SCHMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



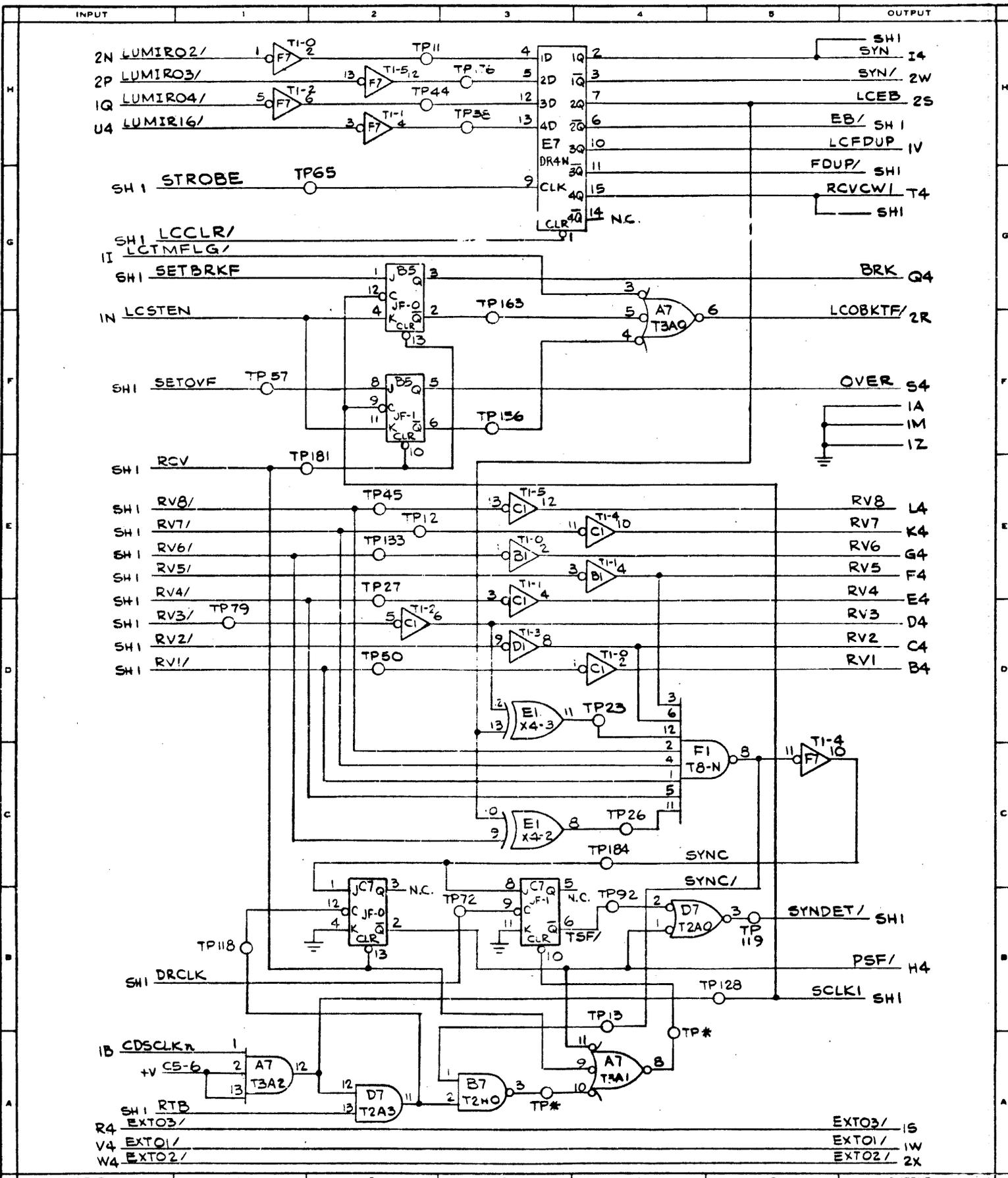
Burroughs Corporation
 MAGNETIC SYSTEMS PLANT
 DOWNTOWN, PA 19335

TITLE: RECEIVER LOGIC SYSTEM B 770
 DRAWN J. SCHLENNER CHECKED [Signature]
 APPROVED E. BOGUSH RELEASED [Signature]
 DWG. NO. 1449 4512
 PAGE 2
 REV. LETTER A REL ER 94

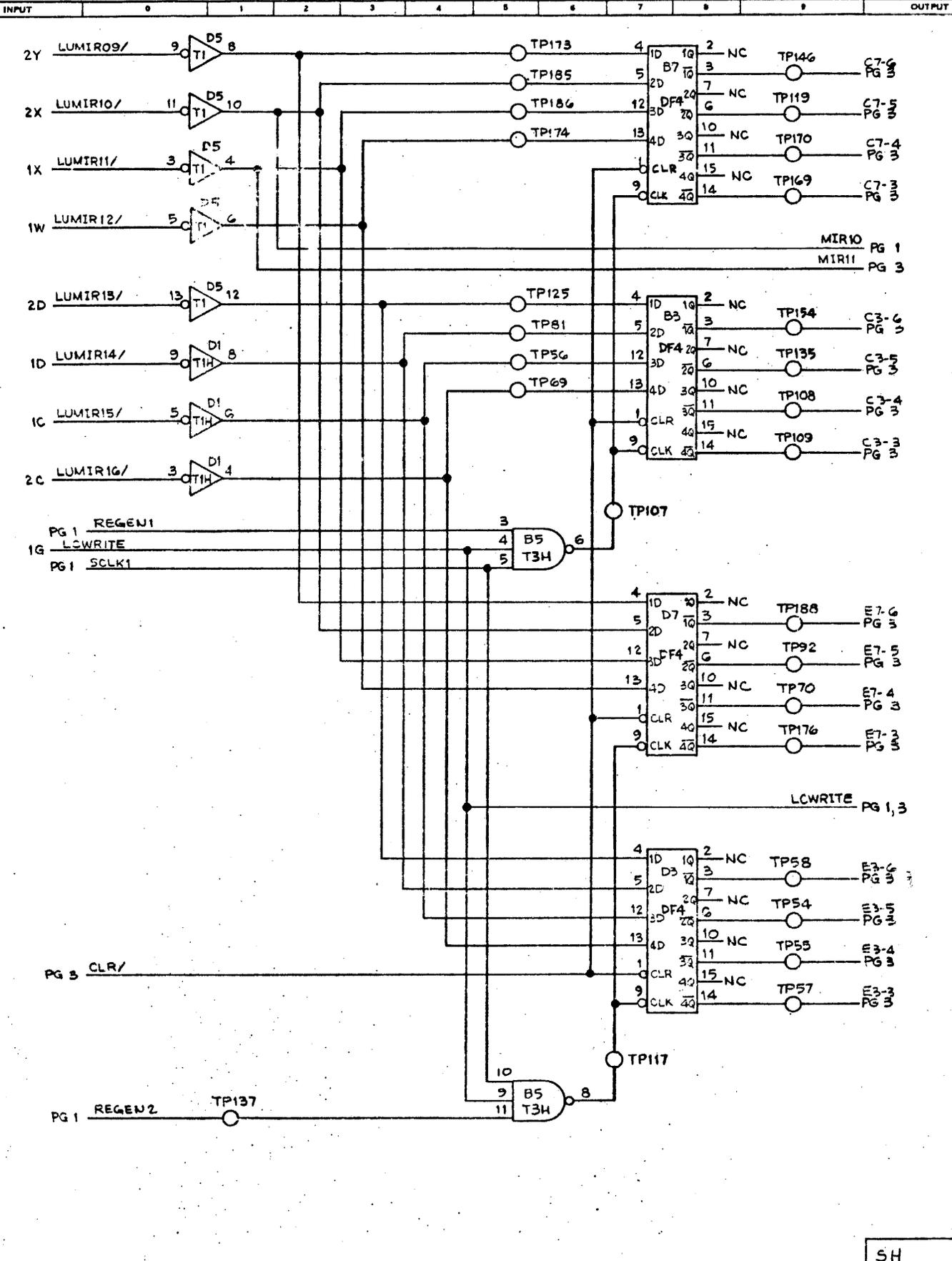


NOTES:
 1. UNLESS OTHERWISE SPECIFIED:
 ALL RESISTORS ARE 6800Ω ± 5%, 1/2 W
 2. ∇ DESIGNATES PULL-UP RESISTOR.

REF. NO.	DESCRIPTION	QTY	LOC.	REF. NO.	DESCRIPTION	QTY	LOC.
13AN	1447 3557	1		14AN	1447 3532	4	
14AN	447 3573	1		15AN	1448 2319	1	
15AN	447 3698	1		16AN	1449 1310	1	
16AN	447 3524	2		17AN	1449 1278	2	
17AN	479 0240	2		18AN	1447 3615	3	
CODE	PART NO.	QTY	LOC.	CODE	PART NO.	QTY	LOCATION



SCHEMATIC



SH

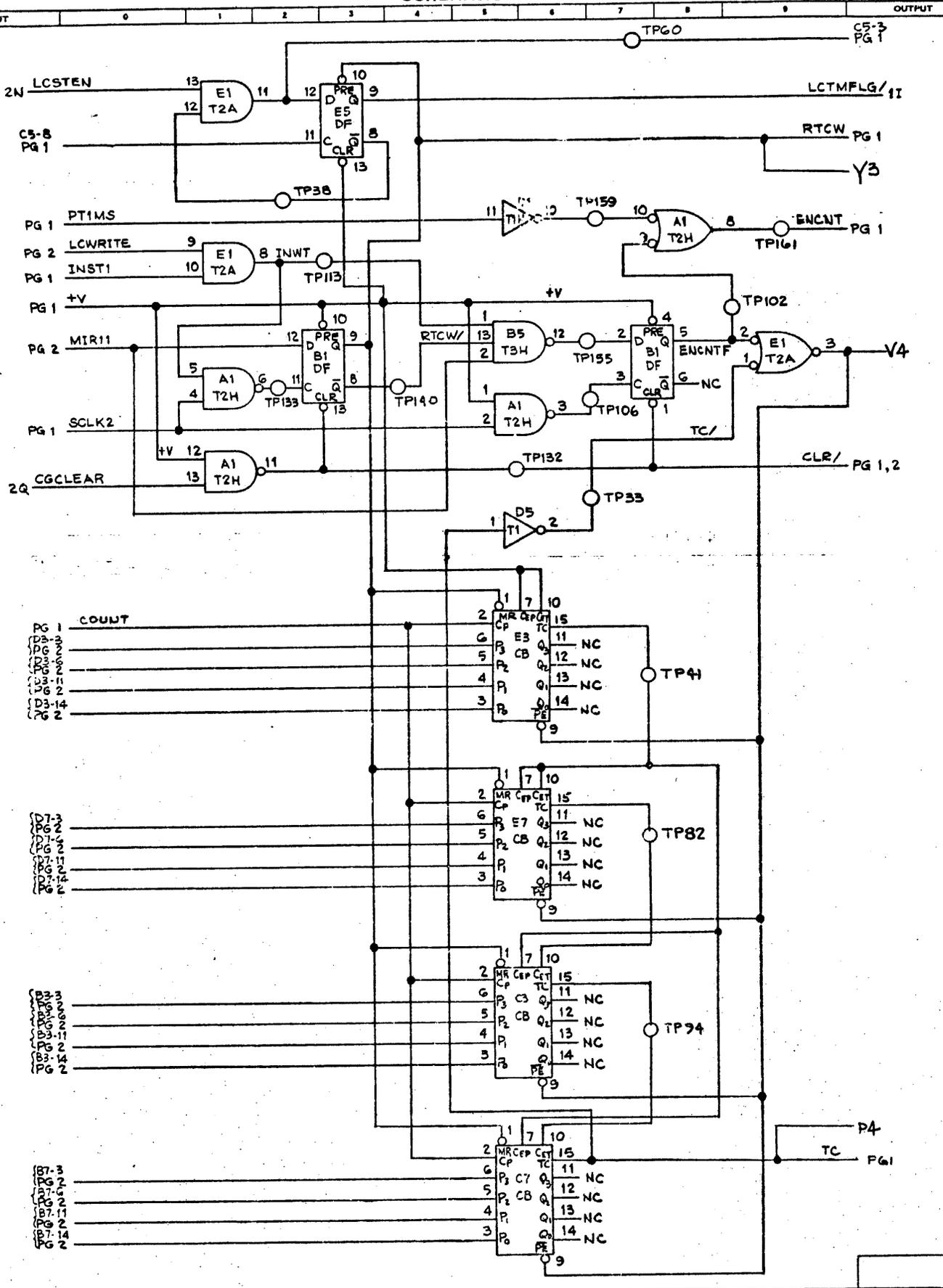
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TITLE PROGRAM TIME COUNTER LGS
 SYSTEM B770
 DRAWN J. INCH
 APPROVED
 8-20-73

CHECKED *[Signature]* DWG. NO. 149 3183
 3-15-77 PAGE 2
 RELEASED REV. LETTER B PER B.C.N.
 8-20-73 6x8 1/4 180

PRINTED IN U.S.A.

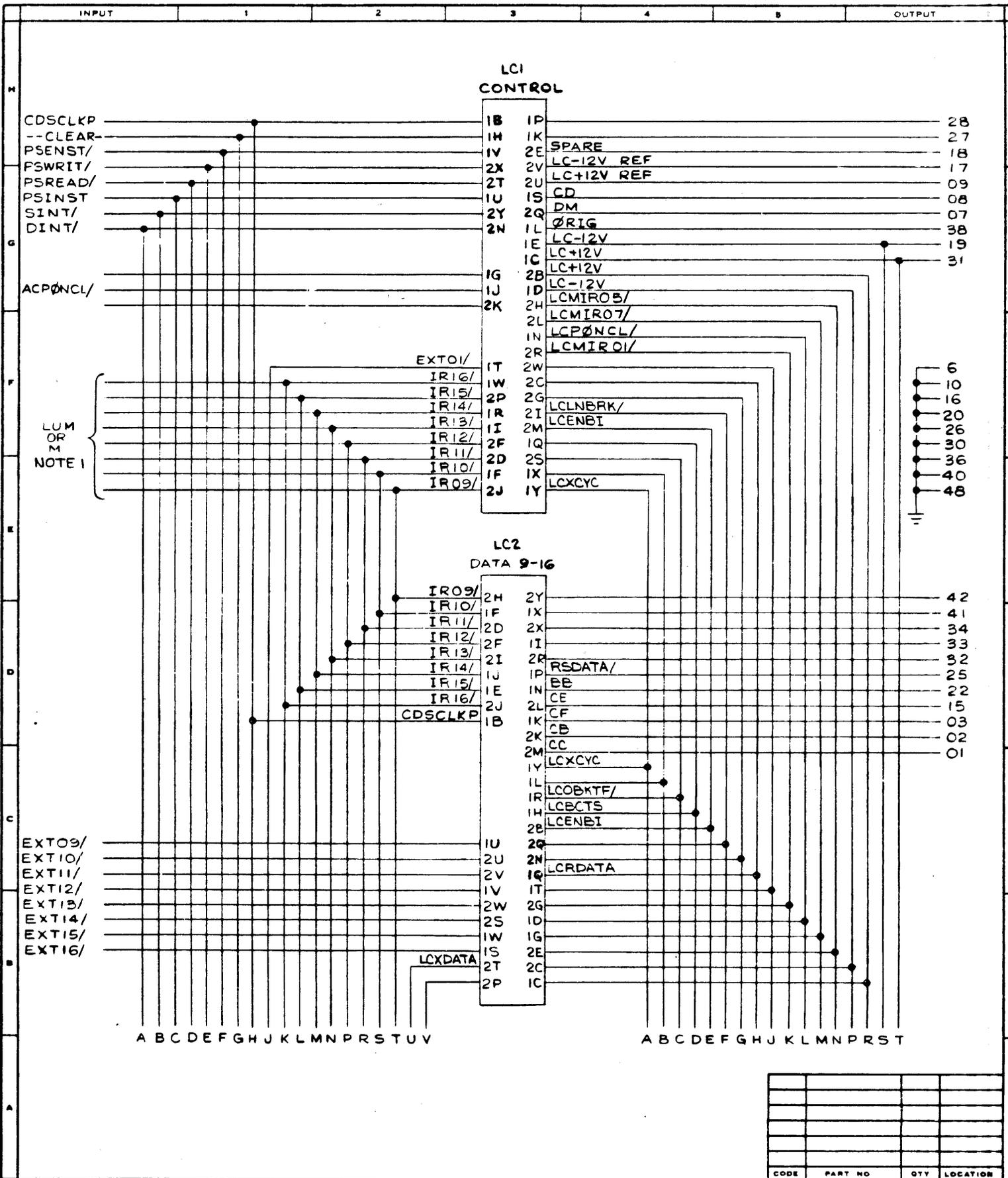
SCHEMATIC



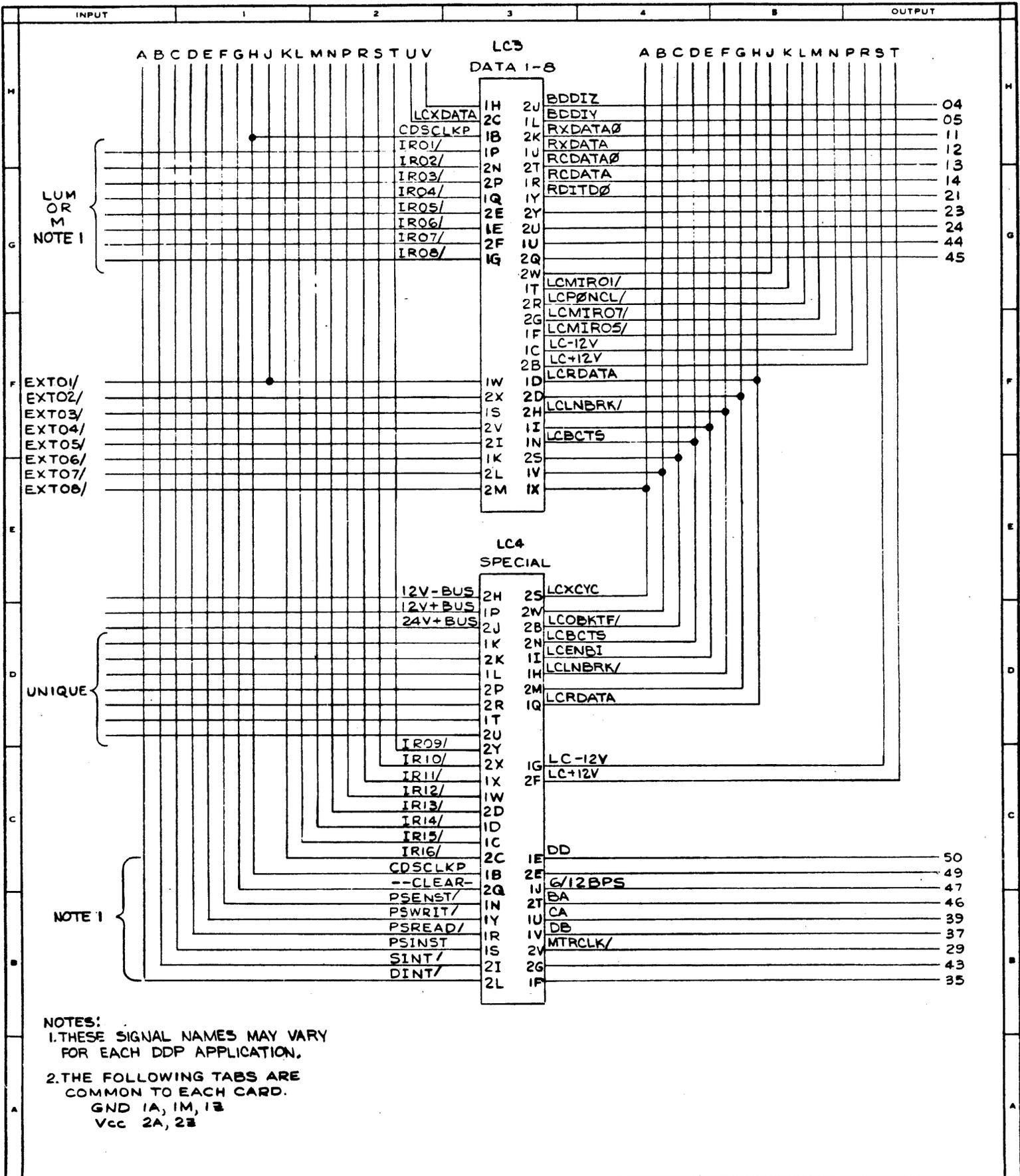
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TITLE PROGRAM TIME COUNTER LCA
 SYSTEM 8770
 DRAWN J. INCH
 APPROVED
 CHECKED [Signature] 3-25-73
 RELEASED 8-20-73
 DWG. NO. 1449 3183
 PAGE 5
 REV. LETTER C EGN 4353
 11 68 9-26-75



INPUT	1	2	3	4	5	OUTPUT						
REV	A	A	A	A								
SH	1	2	3	4								
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1	2	3	4									
DATE	<table border="1"> <tr> <td>1-1-76</td> <td>1-20-76</td> <td>3-1-76</td> <td>3-1-76</td> <td></td> <td></td> </tr> </table>						1-1-76	1-20-76	3-1-76	3-1-76		
1-1-76	1-20-76	3-1-76	3-1-76									
BY	<table border="1"> <tr> <td>CZUTSK</td> <td>D. J. ...</td> <td>...</td> <td>...</td> <td></td> <td></td> </tr> </table>						CZUTSK	D. J.		
CZUTSK	D. J.									
TITLE	DDP LC WIRING DIAGRAM											
CLASS CODE	2-9520											
SHEET	1 of 4											
DWG NO	2606 9617											
PLT NO	038											
REV	A											



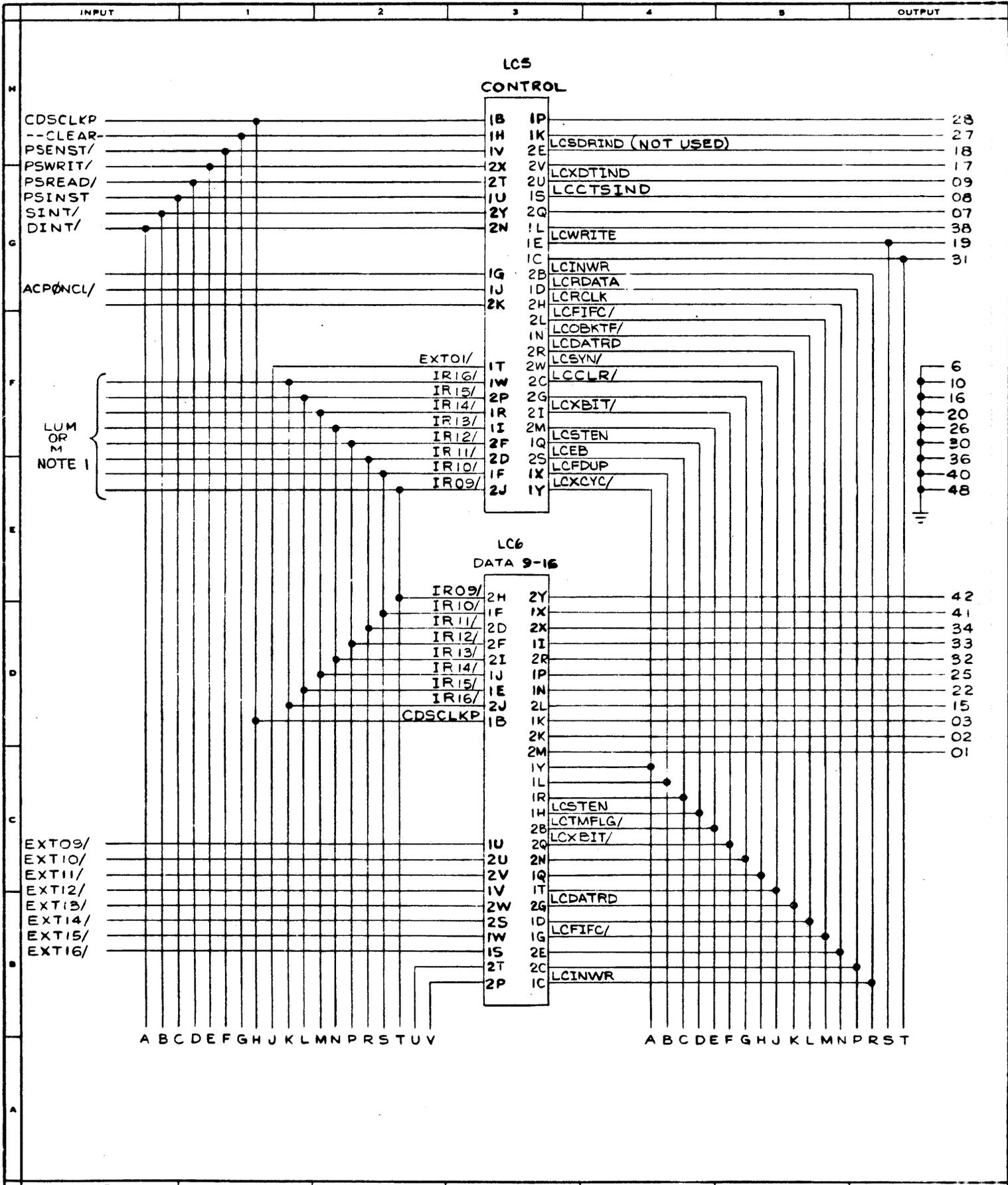
LUM
OR
M
NOTE 1

EXT01/
EXT02/
EXT03/
EXT04/
EXT05/
EXT06/
EXT07/
EXT08/

UNIQUE

NOTE 1

NOTES:
1. THESE SIGNAL NAMES MAY VARY FOR EACH DDP APPLICATION.
2. THE FOLLOWING TABS ARE COMMON TO EACH CARD.
GND 1A, 1M, 1Z
VCC 2A, 2Z



DRAWING 44-131-2807

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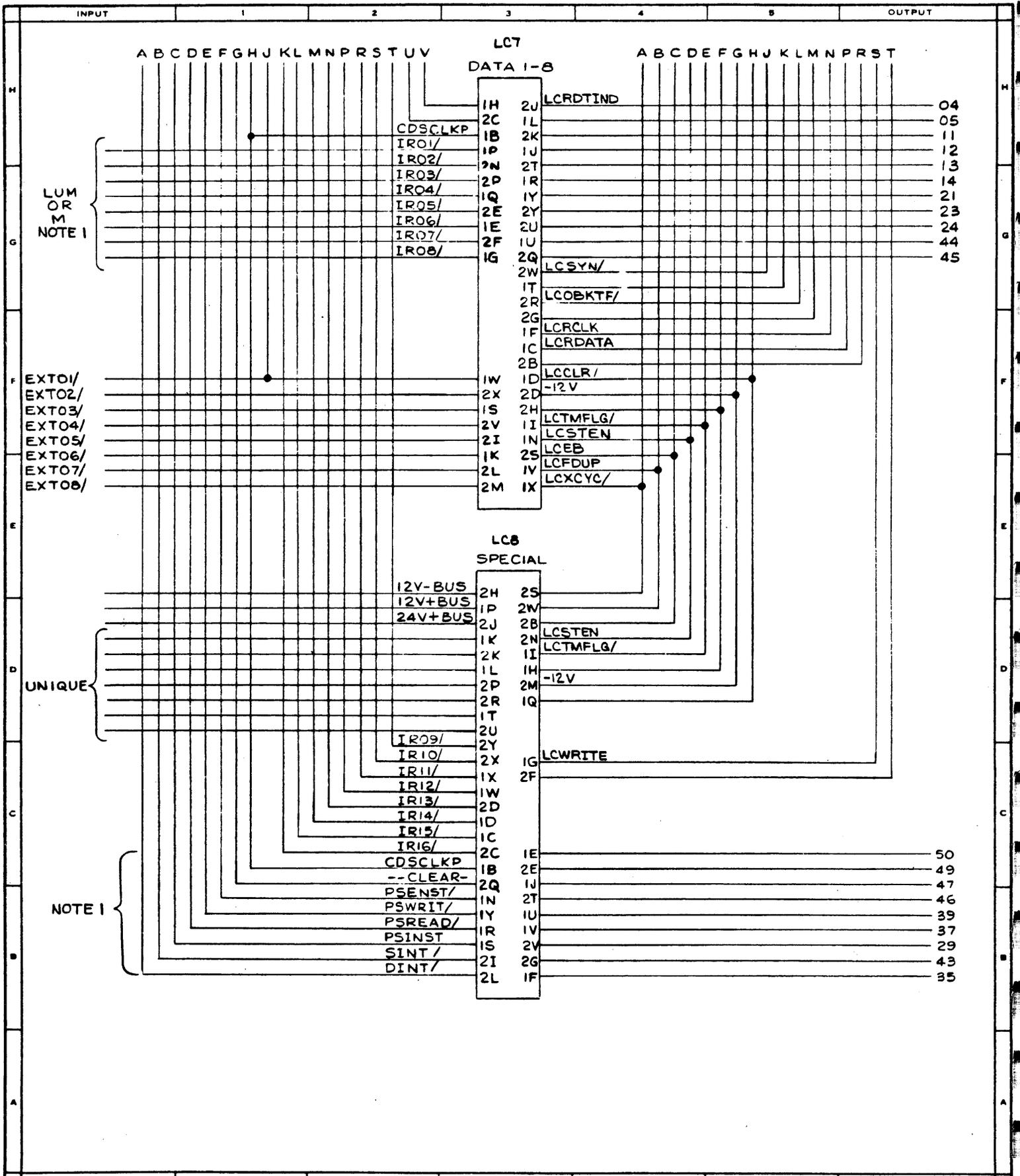
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REVISIONS

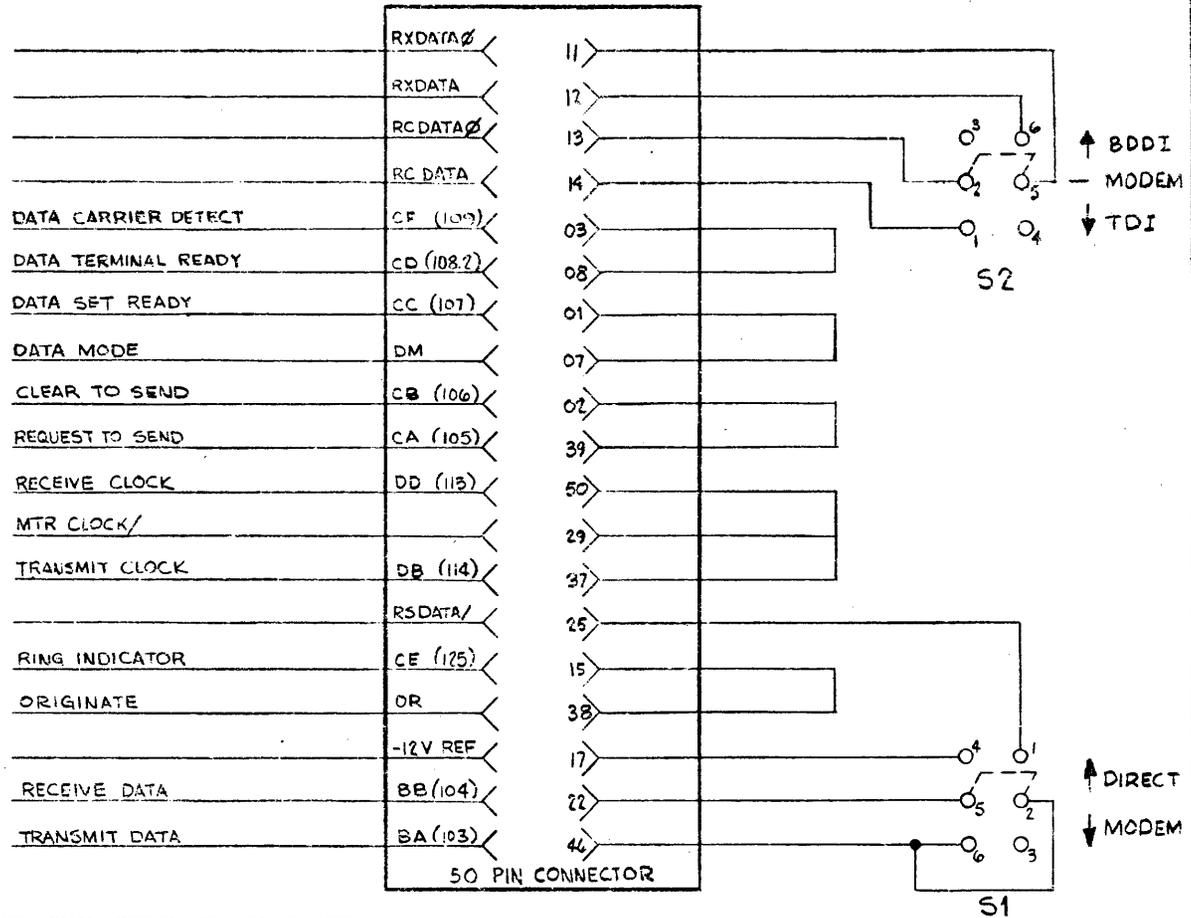
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PRINTED IN U.S. AMERICA

TITLE		CLASS CODE	
DDP LC WIRING DIAGRAM		2-9520	
SHEET	DWG NO.	PLY NO.	REV
3	2606 9617	038	A

125



DWG NO. 2606 2992
 SHEET 1 OF 1
 RELEASED BY 94-PCB
 DATE 11-13-75



GEN QUAL SPECS 1183 5543 APPLY

TOLERANCES UNLESS OTHERWISE NOTED XXX ± — XX ± — ANGLES ± — ° —		DRAWN FORRESTER	DATE 10-31-75	Burroughs Corporation	
MATERIAL		CHECKED L.R. [Signature]	DATE 0-3-75		
HEAT TREATMENT		DSGN ENGR [Signature]	DATE 10-31-75	TITLE SCHEMATIC, SLC, MTR JUMPER BLOCK	
SURFACE TREATMENT		APPROVED [Signature]	DATE 10-31-75	CLASS CODE 29520	
PROPRIETARY TO BURROUGHS CORP - NOT TO BE REPRODUCED, NOTED, OR MANU- FACTURED WITHOUT WRITTEN PERMISSION OF BURROUGHS CORPORATION				SCALE NONE	SHEET 1 of 1
				DWG NO. 2606 2992	PLT. NO. 038

127
 GEN INING 44-131 25507

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NUMBER

2607 3759

RE

D

TITLE

FIELD INSTALLATION INSTRUCTIONS
FOR SINGLE LINE CONTROL OPTION
(B351 TIRU B351-3)

PREPARED BY

D. Mikowychok

D. Mikowychok 3-2-76

APPROVED BY

H. Caswell

H. Caswell 3-5-76

ORIGINAL RELEASE DATE

PAGE 1 OF 13

REVISIONS

LEVEL	DESCRIPTION	DATE	APPROVED
A	Initial Release <i>EC109 R33</i>		
B	Revised per ECN 4980. Styles B351-1 thru -3 added and general revision. Pages affected: All	6/24/76	<i>H. Caswell</i>
C	Revised per ECN 5216. Paragraph 2.4 changed to clarify transmit and receive indicator connections. Pages affected: 1 & 5	9/17/76	<i>H. Caswell</i>
D	Revised per ECN 5209. Changed para. 2.3.3.1 (TDI cable number). Pages affected: 1 & 4.	10/6/76	<i>D. Mikowychok</i>

2607 3759



1. SCOPE

1.1 Scope.- This document defines the instructions for field installation of the following single line control (SLC) options:

<u>Style No.</u>	<u>M&E No.</u>
B351	1449 5709
B351-1	2602 7425
B351-2	2608 3477
B351-3	2608 3485

1.2 Option Items.- The SLC options consist of the following items:

<u>Quantity</u>	<u>Description</u>
1	Circuit Card Assembly LC1
1	Circuit Card Assembly LC2
1	Circuit Card Assembly LC3
1	Circuit Card Assembly LC4
1	Circuit Card Assembly LC5
1	Circuit Card Assembly LC6
1	Circuit Card Assembly LC7
1	Circuit Card Assembly LC8
3	Connector Assembly
1	Decal
1	Direct-Connect Jumper/Interface Block (B351-1 & B351-3 only)

1.3 Usage

1.3.1 B351 and B351-2. These SLC's are used in synchronous/asynchronous applications requiring data sets. No cables are provided with the SLC. Either a data set cable (1449 5360) or an adapter cable (2602 3556) with a data set extension cable, each supplied separately, is required for interfacing the SLC with the data set.

1.3.1.1 Data Set Cable (1449 5360).- This cable (25 feet) connects the processor with U.S. or Bell style data sets (see 2.3.1 for installation).

1.3.1.2 Adapter Cable (2602 3556).- This adapter cable is installed in the processor and allows interfacing the processor with U.S., Bell, GPO, or SEL style data sets by means of different length data set extension cables (see 2.3.2 for installation). An extension cable is required whenever the adapter cable is used. The extension cable is supplied separately in accordance with data set and cable length desired.



1.3.2 B351-1 and B351-3.- These SLC's are used in direct-connect applications. A direct-connect jumper/interface block (2601 8002), which plugs into the processor backplane and provides the required jumper and cable terminations, is included with the SLC (see 2.3.3 for installation).

2. INSTALLATION INSTRUCTIONS

2.1 Circuit Card Assemblies

(a) Insert the eight circuit card assemblies into two physically adjacent DDP backplane locations as follows:

<u>Card Type</u>	<u>DDP Card Slot</u>
LC1	Control
LC2	Data 9-16
LC3	Data 1-8
LC4	Special
LC5	Control
LC6	Data 9-16
LC7	Data 1-8
LC8	Special

Note: The port address and I/O connector for the SLC is the DDP address and connector associated with cards LC1 thru LC4. The I/O connector associated with cards LC5 thru LC8 is not used. Refer to the backplane map contained in the system FT&R documentation package for specific DDP card and I/O connector locations.

(b) Attach the three connector assemblies to the frontplane connector end of the following card pairs:

- LC1 and LC2
- LC4 and LC5
- LC6 and LC7

(c) Affix the decal to the configuration plate in the space for the DDP location which uses the SLC option.

2.2 Line Speed Selection.- The desired line speed shall be obtained by soldering jumper wires across the appropriate terminals of the plug-in socket headers in location C5 and E5 of circuit card assembly LC5 in accordance with the following:



- (a) Line speeds and corresponding jumper configurations for direct-connect transmission mode are given in Table I.
- (b) Line speeds and corresponding jumper configurations for asynchronous transmission mode when operating with data sets are given in Table II.
- (c) Line speeds for synchronous transmission mode are determined by the data set being used. When operating in this mode, a single socket header may be required in location E5. If needed, this socket header will require a single jumper between terminals 1 and 14 (see 3.4).

2.3 I/O Cabling

Note: Prior to attaching I/O cables, the data set variations specified in Section 3 shall be made as applicable. Refer to Tables IV through VI for I/O cable wire lists.

2.3.1 Data Set Cable (1449 5360).- For data set operation using this cable (see 1.3.1), attach the 50-pin connector end of the cable to the appropriate I/O connector on the card insertion side of the processor backplane. Connect the other end (25-pin connector) to the data set.

2.3.2 Adapter Cable (2602 3556).- For data set operation using this adapter cable (see 1.3.1), attach the 50-pin connector end of the adapter cable to the appropriate I/O connector on the card insertion side of the processor backplane. Connect the other end (25-pin connector) to the adapter cable mounting panel at the bottom of the processor. The applicable data set extension cable is then connected to the 25-pin adapter cable connector and to the data set.

2.3.3 Direct-Connect Jumper/Interface Block (2601 8002).- For direct-connect operation (see 1.3.2), the jumper/interface block wired for the specific direct-connect application is inserted into the appropriate I/O connector on the card insertion side of the processor backplane. Refer to Table III for jumper/interface block connections.

2.3.3.1 For two-wire direct connect (TDI), #20 AWG twisted pair shielded cable (Burroughs #1538 2450; Belden #9272) is recommended. Cable length shall not exceed 1000 feet.

2.3.3.2 For file inquiry applications using TDI interface with TD700 and TD800 series terminals, reference Field Engineering Technical Information Notice (TTN) 5088 REVISED for example of terminal modification.



2.4 B771-1/B772-1 Transmit and Receive Indicators.- When B351-2 is installed, indicator signal cable wires P2, P4, and P6 are connected to backplane pins LC5-1K, LC7-2T, and LC7-2Z, respectively, and P3 and P5 are tied back. When B351-3 is used, break tie and connect P3 and P5 to LC5-1K and LC7-2T, respectively.

3. DATA SET VARIATIONS

3.1 General Precautions

- (a) To minimize crosstalk, cable lengths greater than 50 feet should be avoided, especially when operating with synchronous data sets. Unused clock signals (e.g. Dibit and Divided clocks) should not run through the cable.
- (b) Cables should be routed away from potential sources of RFI and 50/60 Hertz noise.
- (c) Data set options which the SLC cannot control (e.g. New Sync and Secondary Channel) should not be installed.
- (d) Special purpose signals that originate from the SLC (e.g. Data Mode, pin 18) should not connect to special purpose signals that originate from the data set (e.g. Dibit/Divided Clock, pin 18 of Bell 201 and 208 series data sets).
- (e) No unterminated lines should be connected to active control signals of the SLC (e.g. Ring Indicator) or of the data set (e.g. New Sync). Such lines should be tied to the proper state by using the +12V Reference and -12V Reference signals available from the SLC.
- (f) Cables should be tagged and log books updated whenever a cable is modified.

3.2 Data Sets TA713, TA733, and TA734.- These data sets do not have an Auto Answer Ring Indicator signal (EIA 232C, CE, or CCITT 125). For these data sets, the Ring Indicator should be tied off as follows: Remove the wire at pin 15 of the 50-pin cable connector and tie back into the cable harness, then remove jumper wire at pin 18 and connect to pin 15.

3.2.1 Data Set TA734.- When using a TA734 data set with SLC adapter cable (2602 3556) and a data set extension cable, the following additional changes must be made to prevent noise being coupled into the data set New Sync circuit causing erroneous Carrier Lost conditions:

- (a) Push out pin 9 of the 50-pin adapter cable connector and separate the two crimped wires (these connect to pin 11 and 23 at the 25-pin D connector on the other end of the adapter cable). This removes the +12V Reference from the New Sync lead (data set, pin 11). It also prevents the Transmitter Signal Element Timing Dibit (TXCD) signal from wrapping around to New Sync and +12V Reference.



- (b) Splice the wire that comes from pin 11 of the 25-pin D connector to pin 17 of the 50-pin adapter cable connector. This ties the New Sync lead permanently off.
- (c) Insulate and tie back the other wire from pin 23 of the D connector.

3.3 Automatic Calling.- The TA714 data set, when used with a Bell System CBS data access arrangement, allows calls to be dialed automatically without using a separate automatic calling unit. This interface is provided by the signal wires to pins 7 (Data Mode) and 38 (Originate) on the 50-pin cable connector. These signal wires are to be removed and tied back when data sets other than the TA714 are used.

3.4 Request-to-Send Signal Delay.- On card LC5, the use of a jumper wire between E5-1 and 14 delays the turn-off of the Request-to-Send (CA or 105) signal for 7 ± 4 milliseconds after the last data bit has been transmitted in half-duplex, switched carrier mode. Some data sets, such as the TA733, hold the carrier on after the CA signal turns off. This ensures total propagation of data through the modem. The increased delay caused by this jumper can result in the loss of initial received data in fast-turnaround, half-duplex systems. Omit jumper if the modem has adequate carrier turn-off delay.

3.5 Simulated Control Signals.- Two pins on the 50-pin cable connector are used to simulate control signals to the data set or SLC. The current limited signal on pin 17 (-12V Reference) can simulate the "OFF" or "MARK" condition to at least 10 standard RS-232C or CCITT V.24 loads (3K ohms per load minimum). The current limited signal on pin 9 (+12V Reference) can simulate the "ON" or "SPACE" condition to at least 10 standard RS-232C or CCITT V.24 loads (3K ohms per load minimum). Specific examples are as follows:

- (a) Provide a permanent off condition on the "Ring" (CE) lead to the SLC if no signal is provided by the data set (see 3.2).
- (b) The SLC adapter cable (2602 3556) has pins 11 and 23 of the 25-pin connector (signals 111 and/or 126) tied to pin 9 of the 50-pin connector. This puts a +12 volt reference or "ON" signal to the Data Signal Rate Selector and Select Transmit Frequency inputs to the data set. If one or both of these signals is required to be in the "OFF" condition, disconnect the wire(s) from pin 9 of the 50-pin connector and splice the wire(s) into pin 17. A specific case would be when a V.21 (BPO DATEL2) data set is used which requires the Select Transmit Frequency (circuit 126, pin 11 on data set connector) signal be supplied by the SLC. Select the appropriate voltage as outlined above, then install cable. If the signal is not supplied by the SLC, disconnect the wire from pin 9, insulate and tie-back in the cable.



3.6 Bell System Data Set Variations

Note: Where specified that no connection should be made to a particular pin, the connection, if it exists, should be broken in the connector that plugs into the data set. Also, for all the data sets listed, no permanent connection should be made to pin 9 (+ D.C. voltage) or to pin 10 (- D.C. voltage), as these pins are reserved for testing by phone company personnel.

The inclusion of a data set in the following subparagraphs does not necessarily mean that the data set has been qualified for a particular application.

3.6.1 Data Set 1C3F2.- Option to control CY (Originate Mode, pin 11) should not be used. Data set should be strapped as required by the phone company. No connection should be made to pin 12 (CX, Local Mode). However, if it is necessary to do a local wraparound test, temporarily connect pin 9 (+D.C. voltage) to pin 12.

3.6.2 Data Set 113A.- Ring Indicator should be tied off (see 3.2).

3.6.3 113-Type Data Station.- Pin 25 (CN, Busy) should be tied off using the -12V Reference signal from the SLC.

3.6.4 Data Sets 201A, 201B, 201C.- The New Sync option should not be used. No connection should be made to pin 16 (Dibit Clock Transmitter), pin 18 (Dibit Clock Receiver), and pin 24 (External Transmit Clock).

3.6.5 Data Sets 202C, 202D.- Reverse (supervisory) Channel option should not be used.

3.6.6 Data Set 202R.- Ring Indicator should be tied off (see 3.2).

3.6.7 Data Set 202S.- Reverse Channel option should not be used.

3.6.8 Data Set 202T.- Reverse Channel and Carrier Detector Reset options should not be used. Ring Indicator should be tied off (see 3.2).

3.6.9 Data Sets 208A, 208B.- New Sync option should not be used. No connection should be made to pin 16 (Divided Clock Transmitter), pin 18 (Divided Clock Receiver), pin 24 (Serial Clock Transmitter External), and pin 25 (+5 volts). For 208A only, Ring Indicator should be tied off (see 3.2).

3.6.10 Data Set 209A.- Ring Indicator should be tied off (see 3.2). No connection should be made to pin 16 (Divided Clock Transmitter), pin 18 (Divided Clock Receiver), and pin 25 (+5 volts) of connector 1 and pin 24 (Serial Clock Transmitter External) of all connectors.



TABLE I. LINE SPEEDS AND JUMPER CONFIGURATIONS
 (DIRECT-CONNECT TRANSMISSION MODE)

BIT RATE (BPS)	CHIP SOCKET	JUMPERS					
		2 to 13	3 to 12	4 to 11	5 to 10	6 to 9	7 to 8
75	C5	X	X	X	X		
	E5	X	X	X	X	X	X
100	C5	X	X		X		
	E5	X	X	X	X	X	X
110	C5	X			X		
	E5	X			X	X	X
150	C5	X	X	X			
	E5	X	X	X	X	X	X
200	C5		X	X			
	E5	X	X	X	X	X	X
300	C5	X	X				
	E5	X	X	X	X	X	X
600	C5		X				
	E5	X	X	X	X	X	X
1200	C5						
	E5	X	X	X	X	X	X
1800	C5						
	E5	X		X			X
2400	C5						
	E5	X	X	X	X	X	
4800	C5						
	E5	X	X	X	X		
9600	C5						
	E5		X	X	X		
19200	C5						
	E5			X	X		



TABLE II. LINE SPEEDS AND JUMPER CONFIGURATIONS
(ASYNCHRONOUS DATA SET TRANSMISSION MODE)

BIT RATE (BPS)	CHIP SOCKET	JUMPER						
		1 to 14 NOTE 2	2 to 13	3 to 12	4 to 11	5 to 10	6 to 9	7 to 8
75	C5		X	X	X	X		
	E5	X	X	X	X	X	X	X
100	C5		X	X		X		
	E5	X	X	X	X	X	X	X
110	C5		X			X		
	E5	X	X			X	X	X
150	C5		X	X	X			
	E5	X	X	X	X	X	X	X
200	C5			X	X			
	E5	X	X	X	X	X	X	X
300	C5		X	X				
	E5	X	X	X	X	X	X	X
600 NOTE 1	C5			X				
	E5	X	X	X	X	X	X	X
1200	C5							
	E5	X	X	X	X	X	X	X
1800	C5							
	E5	X	X		X			X

NOTE 1 - MTR socket headers have this jumper configuration and are stored in locations F3 and F5 on card LC5.

2 - See paragraph 3.4 for explanation of L5-1 to 14 jumper.



TABLE III. DIRECT-CONNECT JUMPER/INTERFACE BLOCK CONNECTIONS

WIRE NO	CONDUCTOR		FROM			TO			SIGNAL IDENTIFIER
	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	
1	24 AWG	GRAY	P1	1	1472 0726	P1	8	1472 0726	CC/CD
2				2			39		CB/CA
3				3			9		CF/+12V REF
4				13			14	1472 0726	
5				15			17	1472 0767	CE/-12V REF
6				22			17	---	BB/-12V REF
7	24 AWG	GRAY	P1	25	1472 0726	P1	46	1472 0726	XMT DATA IN/OUT
8			P1	21	1472 0767				XMT DATA (SEE NOTE 1)
9				20					SIG GND (SEE NOTE 1)
10				43					
11				44					
12				45	1472 0767				
13				48	1471 5635				
14				49					
15				50	1471 5635				
16									
17									
18			P1	6					SIG GND (SEE NOTE 1)
19									
20									
21									
22									
23									
24									
25									

Note 1. For (TDI) application, push out uncrimped terminals at P1-20 and P1-21, crimp to appropriate signal lines then replace terminal in P1. If shielded cable is used, the shield is installed in P1-6.

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Table IV. Wire List, Data Set Cable (1449 5360)

From 50-Pin Connector P1	To 25-Pin Connector P1001	Signal RS-232 (CCITT V.24)
Pin 46	Pin 2	BA (103)
22	3	BB (104)
39	4	CA (105)
2	5	CB (106)
1	6	CC (107)
16	7	AB (102)
3	8	CF (108)
37	15	DB (114)
50	17	DD (115)
7	18	DATA MODE
8	20	CD (108)
15	22	CE (125)
38	25	ORIGINATE



Table V. Wire List, Adapter Cable (2602 3556)

From 50-Pin Connector P2	To 25-Pin Connector P1	Signal RS-232 (CCITT V.24)
Pin 46	Pin 2	BA (103)
32	3	BB (104)
39	4	CA (105)
2	5	CB (106)
1	6	CC (107)
16	7	AB (102)
3	8	CF (108)
37	15	DB (114)
50	17	DD (115)
18	7	DATA MODE
8	20	CD (108)
15	22	CE (125)
38	25	ORIGINATE
9*	11	126/111 (Note 2)
9*	23	111/126 (Note 2)
17*	24	116 (Note 2)
P2-17* to P2-18	--	SPARE (Note 2)
--	P1-1 to P1 Frame	

- Notes: 1. An asterisk (*) indicates 2 wires to 1 termination.
2. P2-9 is +12V Reference (ON) level; P2-17 is -12V Reference (OrF) level.



Table VI. Wire List, Data Set Extension Cables (See Note)

From Connector J1	To Connector P1	Wire Color	Circuit Mnemonic
Pin 1	Pin 1	White	XFRAME0
2	2	Black	ABA---0
3	3	Brown	XBB---0
4	4	Red	ACA---1
5	5	Orange	XCB---1
6	6	Yellow	XCC---1
7	7	Blue	XGRD--0
8	8	Violet	XCF---1
11	11	Gray	ARATE-1
15	15	White/Black	XDB---1
17	17	White/Brown	XDD---1
20	20	White/Red	ACD---1
22	22	White/Orange	XCE---1
23	23	White/Yellow	ACH---1
24	24	White/Green	S116--1
25	25	White/Blue	SPARE

Note: This wire list applies to the following extension cables:

1696 2946	1696 8802
1696 4975	1696 8810
1696 4983	1696 8869
1696 4991	1696 8877
1696 8786	1696 8885
1696 8794	1696 8893

140-145

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DWG NO. 26011734
 SHEET 2 OF
 RELEASED PER
 ER# 73-12-1073

WIRE NO.	CONDUCTOR			FROM			TO			REMARKS	WIRE NO.	CONDUCTOR			FROM			TO			REMARKS
	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES			TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION		
1	26	RED	PI	49	WIREWAP	P2	15	WIREWAP	DATA 1	26	26	RED	PI	20	WIREWAP	P2	26	WIREWAP	GRD		
2	↑	↑	↑	44	↑	↑	16	↑	GRD	27											
3				48			2		DATA 2	28											
4				43			6		GRD	29											
5				47			34		DATA 3	30											
6				42			40		GRD	31											
7				46			41		DATA 4	32											
8				41			36		GRD	33											
9				40			32		DATA 5	34											
10				35			36		GRD	35											
11				39			42		DATA 6	36											
12				34			40		GRD	37											
13				38			3		DATA 7	38											
14				33			6		GRD	39											
15				21			9		EOPL	40											
16				16			16		GRD	41											
17				36			25		READY	42											
18				31			10		GRD	43											
19				30			29		PE	44											
20				29			30		GRD	45											
21				50			19		DIST B/	46											
22				45			20		GRD	47											
23				37			17		AKC/	48											
24	↓	↓	↓	32	↓	↓	26	↓	GRD	49											
25	26	RED	PI	25	WIREWAP	P2	8	WIREWAP	MA - STAT	50											

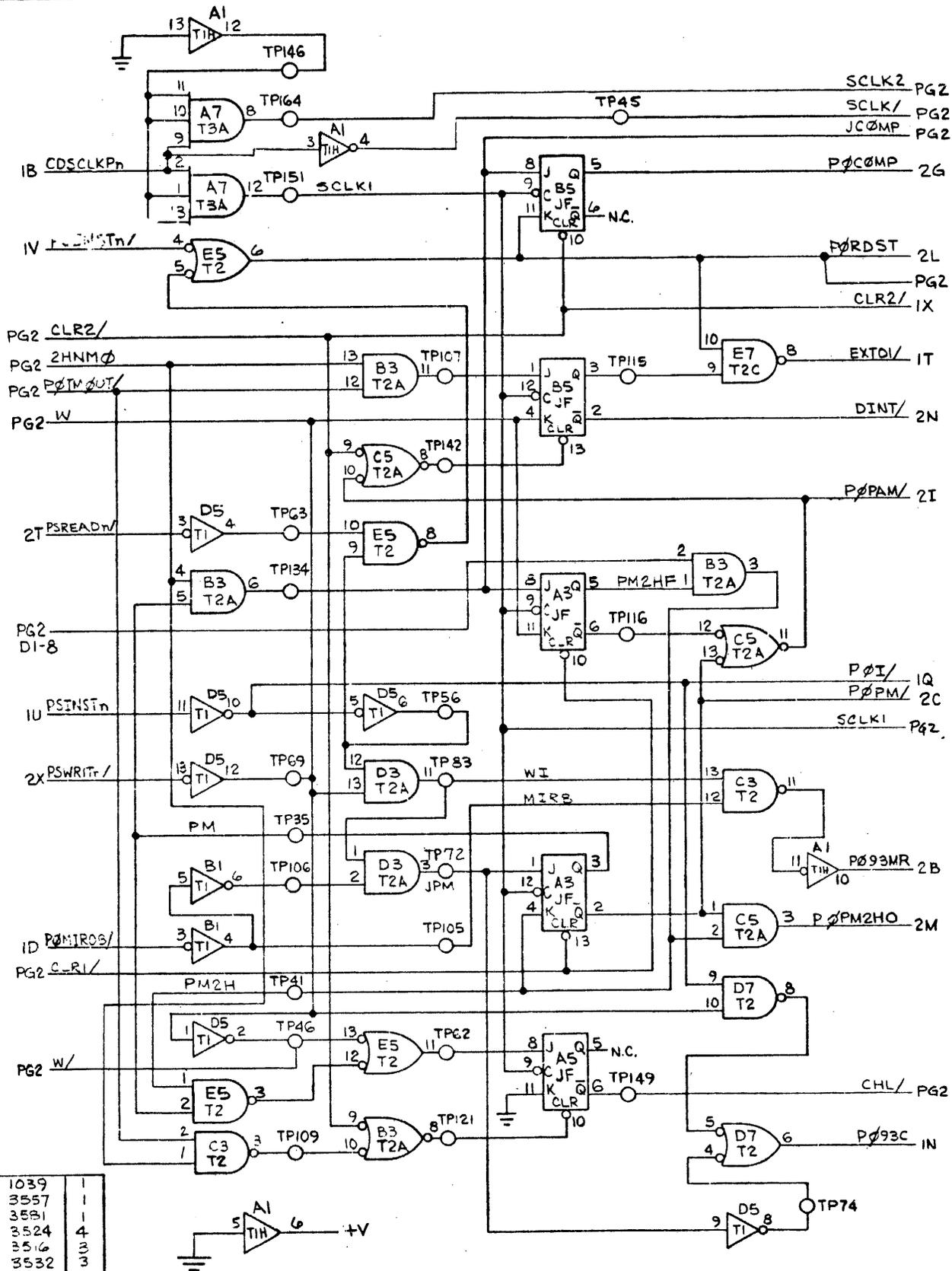
NOTES:

2H1

DRAWN G. BUEHLER	DATE 10-3-73	Burroughs Corporation SMALL SYSTEMS PLANT DOWNTOWN, PA. 19338, U. S. AMERICA
CHECKED <i>[Signature]</i>	DATE 10-4-73	
DESIGN OR ENGR	DATE	
APPROVED <i>[Signature]</i>	DATE 10/4/73	TITLE WIRE LIST ADAPTER CABLE ASSY ODEC PRINTER CONTROL
PROPRIETARY TO BURROUGHS CORP. - NOT TO BE REPRODUCED, NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT		SHEET 2 OF DWG NO 26011734

SCHEMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



1449	1039	1
T3A	1447	3557
T2C		3581
T2A		3524
T2		3516
T1		3532
JF		3615
DF		3607
B		3771
CODE	PART NO.	QTY

CC 2-9520

SH S.011

Burroughs Corporation
 MAGNETIC SYSTEMS PLANT
 DOWNTOWN, PA 19338

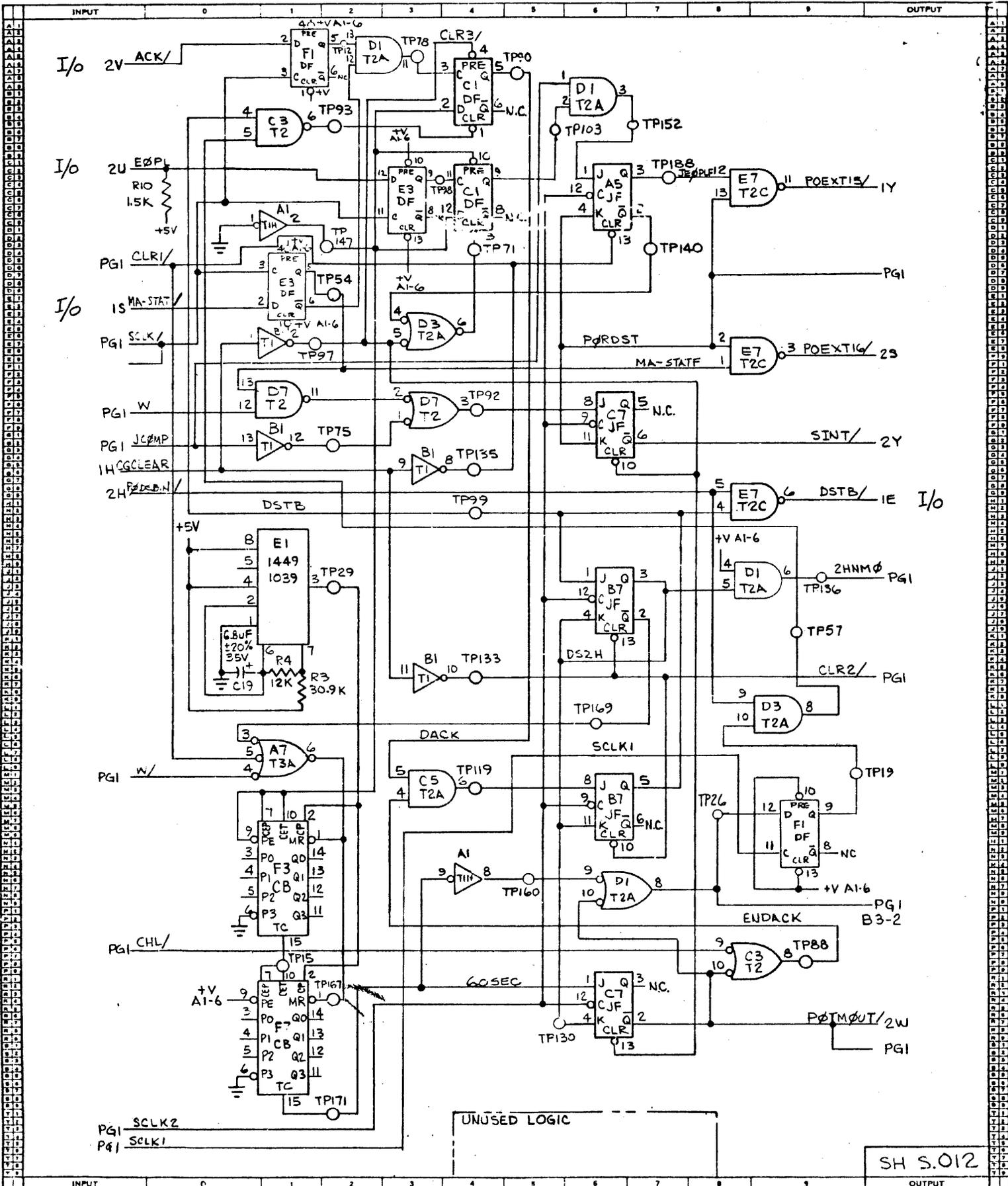
PRODUCTION

TITLE POI ODEC PRINTER
 SYSTEM E103
 DRAWN WAM 8-8-72 CHECKED JAC/STRAN
 APPROVED E.E. DINEA MAN 8-7-72
 DWG. NO. 1448 1691
 PAGE 1 OF 2
 REV. LETTER F ECN 4952A

01 SHT
 E F REV

PRINTED IN U.S.A.
 147

SCHEMATIC



SH S.012

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PRODUCTION

TITLE P01 ODEC PRINTER
 SYSTEM E705
 DRAWN N.144: 8-9-72 CHECKED J. ARMSTRONG
 APPROVED E. C. QUERMAN 8-10-72 RELEASED 10-6-72
 DWG. NO. 1448 1691
 PAGE 2
 REV. LETTER F ECN 4952A

4.4 PRINTED IN U.S.A.

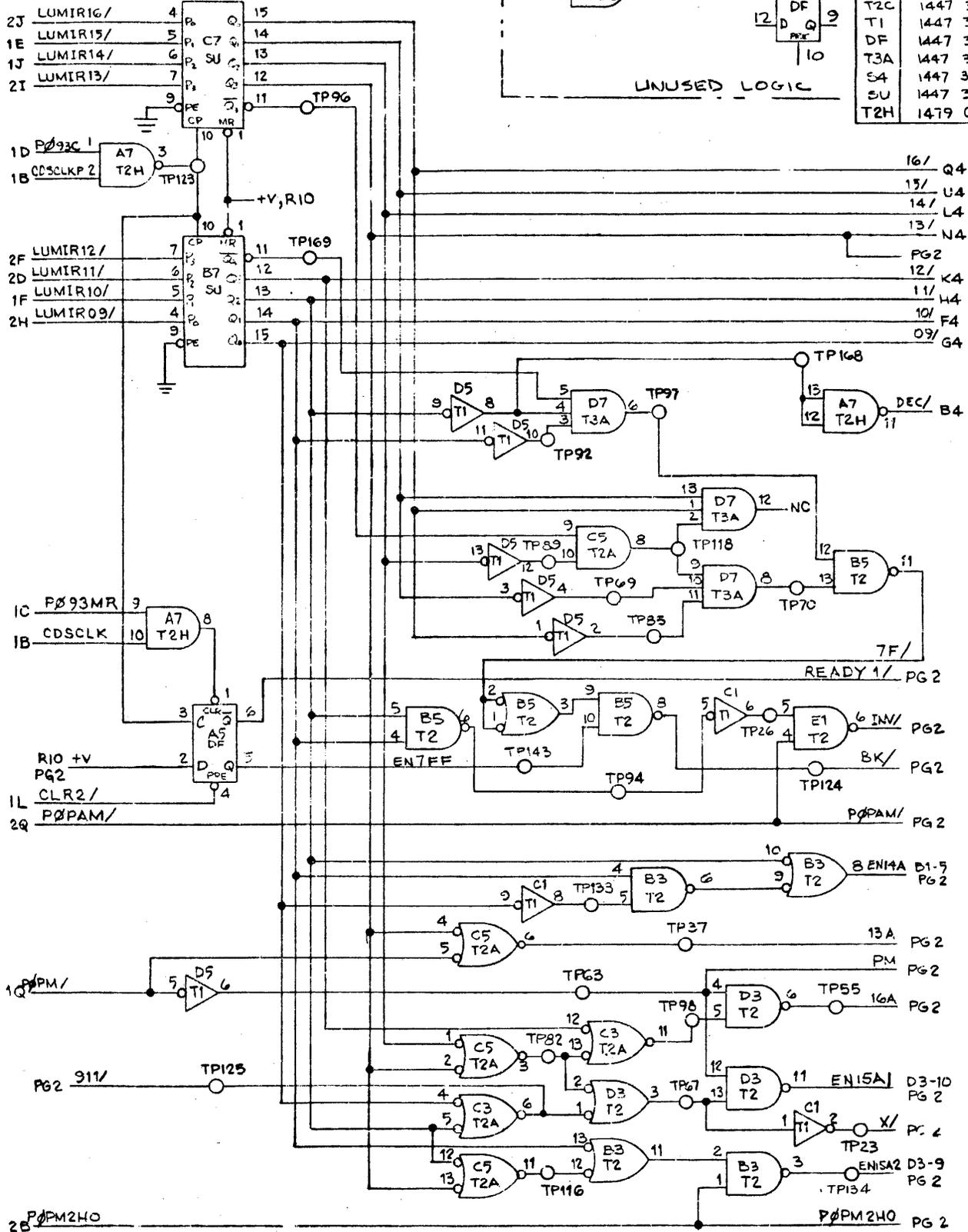
148

DTN 86 4 71

SCHEMATIC

NOTES:

1. BROWN JUMPER IS FACTORY INSTALLED BETWEEN POINT "A" AND POINT "B" FOR 12 CHANNEL OPERATION. 2 CHANNEL OPERATION IS OBTAINED BY MOVING JUMPER END POINT "B" TO POINT "C"



CC2-9520

SH S.021

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TITLE P02 ODEC PRINTER 2
 SYSTEM B711
 DRAWN J. INCH
 APPROVED

CHECKED 10-1-72
 RELEASED 10-1-72
 DWG. NO. 1445 1709
 PAGE 1 OF 2
 REV. LETTER F ECN 49-2A

PRODUCTION

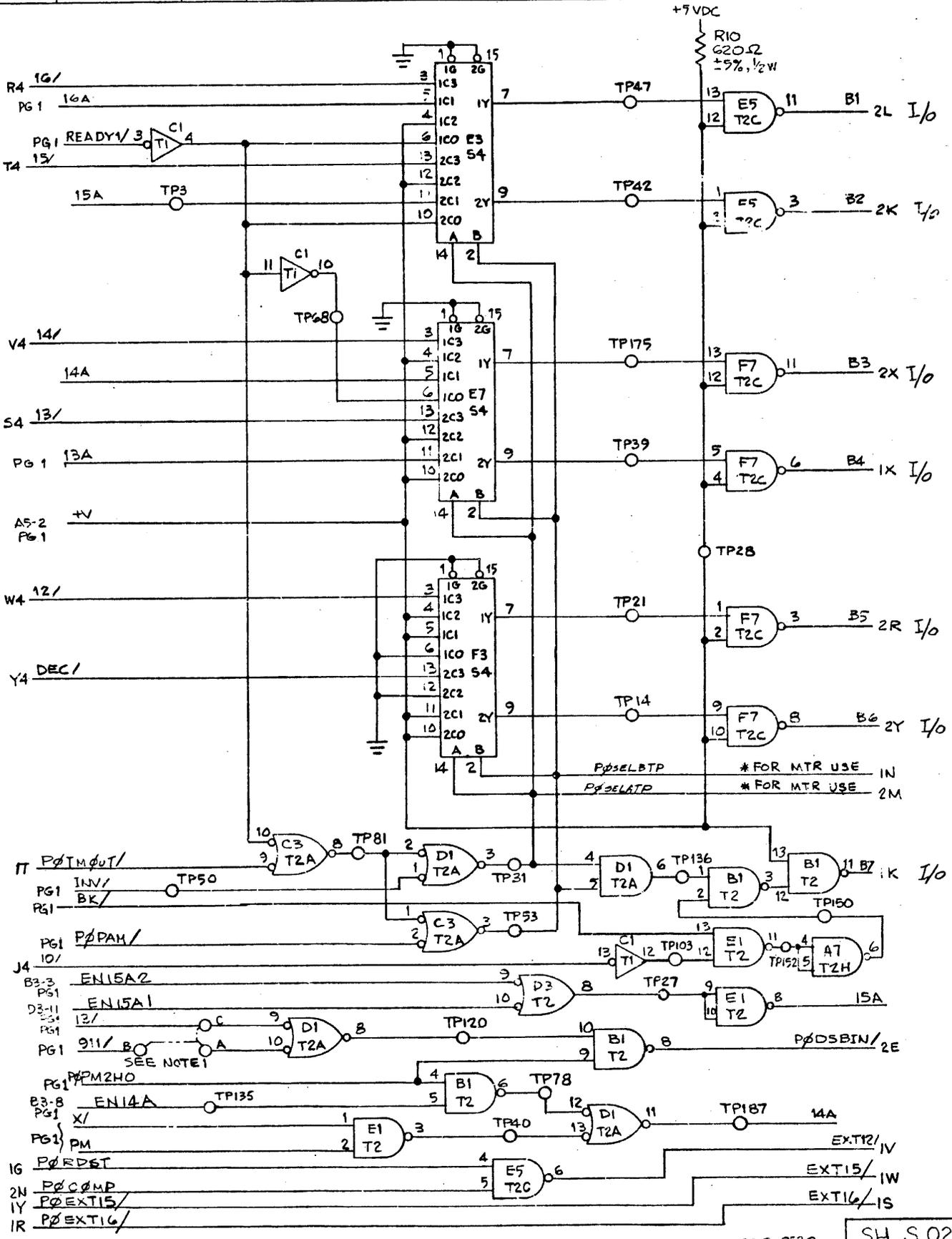
2 1 SHT
 F F REV.

4-5 PRINTED IN U.S.A.

149

SCHMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



P0SELBTP * FOR MTR USE IN
P0SELATP * FOR MTR USE 2M

CC-9520 SH S.022

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

Burroughs Corporation
MAGNETIC SYSTEMS PLANT DOWNINGTOWN PA 19335

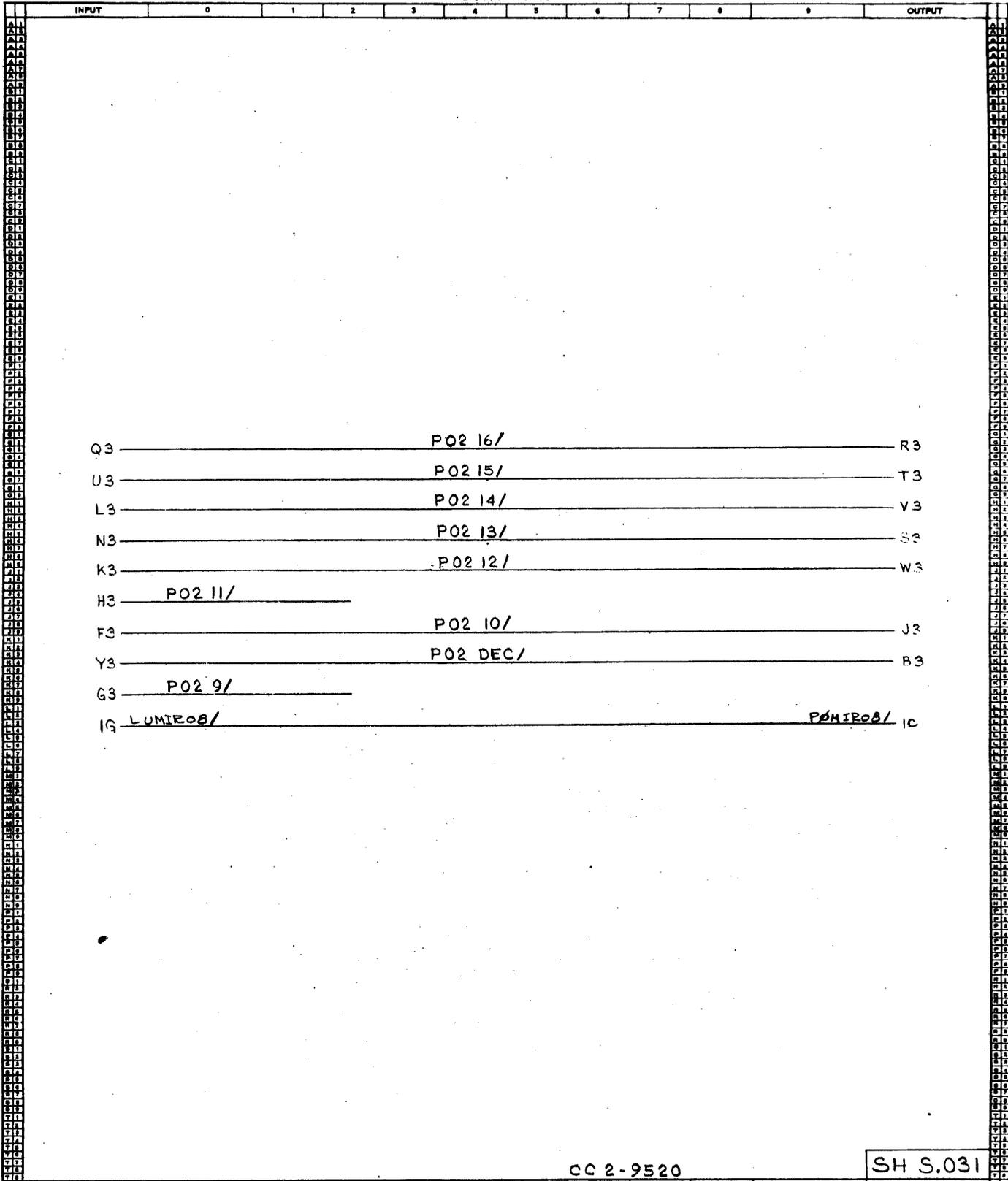
PRODUCTION

TITLE POZ ODEC PRINTER 2
SYSTEM B711
DRAWN J.M.H.C.
APPROVED

DWG. NO. 1448 1709
PAGE 2
CHECKED [Signature] 10-12-72
REV. LETTER F ECN 4952A

PRINTED IN U.S.A.

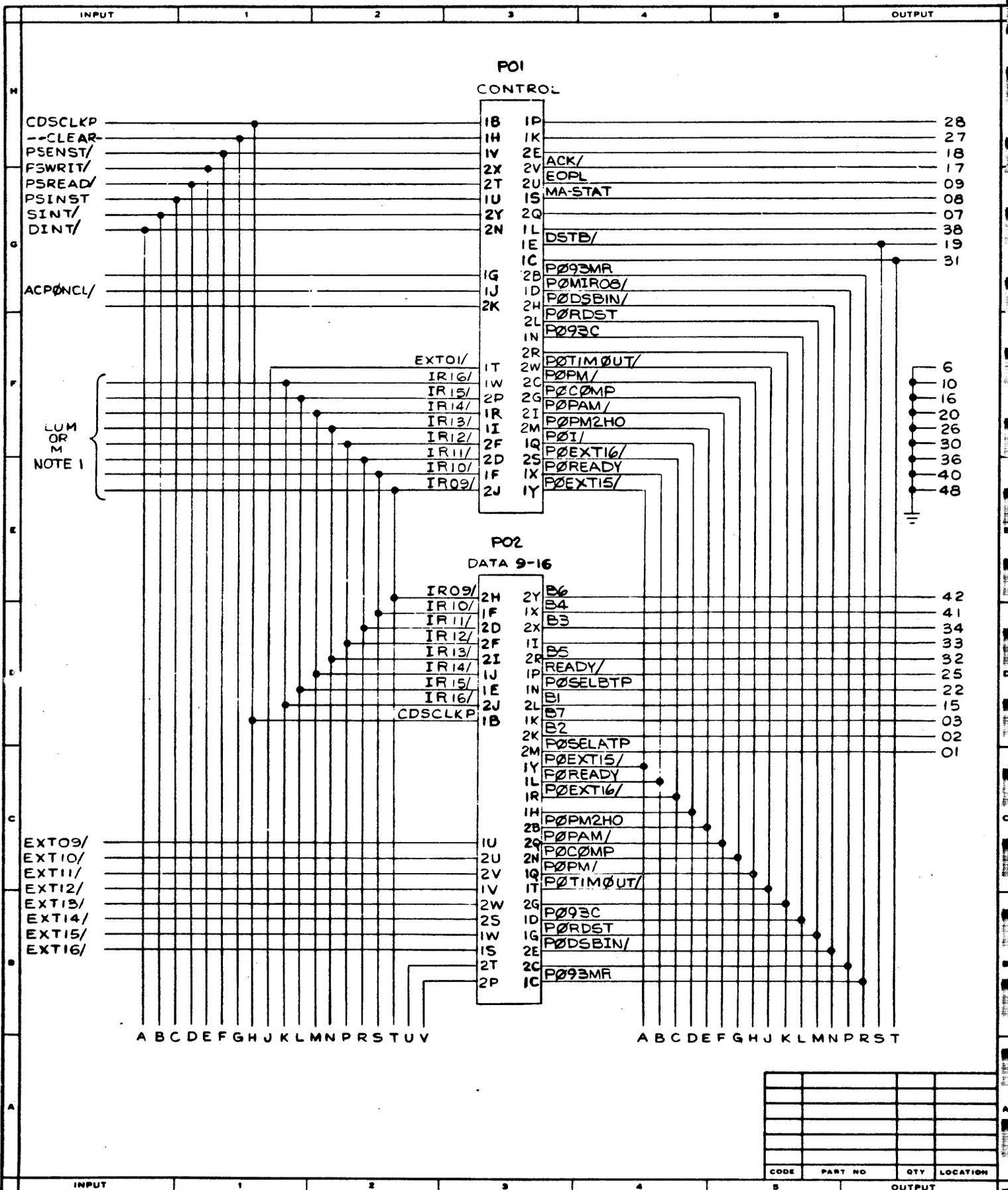
SCHEMATIC



CC 2-9520

SH S.031

INPUT	0	1	2	3	4	5	6	7	8	9	OUTPUT				
<table style="width:100%; border:none;"> <tr> <td style="width:40%; border: 1px solid black; padding: 5px;"> Burroughs Corporation <small>MAGNETIC SYSTEMS PLANT DOWNTOWN, PA. 19335</small> <small>PROPERTY OF BURROUGHS CORPORATION TO BE REPRODUCED FOR USES FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT</small> </td> <td style="width:30%; border:none; text-align:center; vertical-align: middle;"> PRODUCTION </td> <td style="width:20%; border:none; font-size: small;"> TITLE ODEC PRINTER POS SYSTEM DRAWN WAM 8-8-72 CHECKED R WEAVER APPROVED B DINERMAN RELEASED 10-6-72 </td> <td style="width:10%; border:none; font-size: small;"> DWG. NO. 1448 1717 PAGE 1 REV. LETTER A FOR 10/12/71 </td> </tr> </table>												Burroughs Corporation <small>MAGNETIC SYSTEMS PLANT DOWNTOWN, PA. 19335</small> <small>PROPERTY OF BURROUGHS CORPORATION TO BE REPRODUCED FOR USES FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT</small>	PRODUCTION	TITLE ODEC PRINTER POS SYSTEM DRAWN WAM 8-8-72 CHECKED R WEAVER APPROVED B DINERMAN RELEASED 10-6-72	DWG. NO. 1448 1717 PAGE 1 REV. LETTER A FOR 10/12/71
Burroughs Corporation <small>MAGNETIC SYSTEMS PLANT DOWNTOWN, PA. 19335</small> <small>PROPERTY OF BURROUGHS CORPORATION TO BE REPRODUCED FOR USES FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT</small>	PRODUCTION	TITLE ODEC PRINTER POS SYSTEM DRAWN WAM 8-8-72 CHECKED R WEAVER APPROVED B DINERMAN RELEASED 10-6-72	DWG. NO. 1448 1717 PAGE 1 REV. LETTER A FOR 10/12/71												



152 Burroughs Corporation <small>COMPUTER SYSTEMS GROUP DOWNTOWN PLANT DOWNTOWN PA. 19335 U.S. AMERICA</small>	REV AA SH 12 REVISIONS A	DRAWN C. ZUTSKI DATE 1-12-76 CHECKED D. J. ... DATE 1-28-76 DESIGNED H. ... DATE 1-27-76 DRAWN 58 DATE 3-7-76	TITLE DDP PO WIRING DIAGRAM SHEET 1 of 2 DWG NO 2606 9625	CLASS CODE 2-9520 PLY NO. 038 REV A
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DTH 96 82V 10-76

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SMALL SYSTEMS PLANT
DOWNTOWN, PENNSYLVANIA 19335



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CONSENT.

NUMBER

1449 3670

REV

—

TITLE

CONVERSION INSTRUCTIONS
PO2 CIRCUIT CARD ASSEMBLY
12 CHANNEL TO 2 CHANNEL

PREPARED BY

A. Hurey 1-17-73

APPROVED BY

J. K. Frank 1-17-73

ORIGINAL RELEASE DATE

#76 1-29-73

PAGE 1 OF 1

CIRCUIT CARD ASSEMBLY PO2 (1447 9810) IS PRESET AT THE FACTORY FOR 12 CHANNEL PRINTER OPERATION. THE METHOD OF PRESETTING IS A JUMPER WIRE (BROWN INSULATION) WHICH, ON ASSEMBLIES USING THE MODIFIED (-) REVISION ARTWORK, IS CONNECTED BETWEEN TEST POINT 83 AND PIN 10 OF THE I.C. CHIP IN LOCATION D1, (SEE FIGURE 1). TO RESET THE CARD FOR 2 CHANNEL OPERATION THE JUMPER MUST BE DISCONNECTED FROM TEST POINT 83 AND CONNECTED TO PIN 9 OF LOCATION D1 (D1-9 & D1-10 JUMPERED TOGETHER).

ON ASSEMBLIES USING THE (B) REVISION ARTWORK THE CONNECTION POINTS ARE LABELLED A, B & C ON THE BOARD. THE BROWN JUMPER IS FACTORY - CONNECTED BETWEEN POINTS "A" AND "B". FOR 2 CHANNEL OPERATION, DISCONNECT FROM POINT "B" AND RECONNECT TO POINT "C". ("A" AND "C" JUMPERED TOGETHER EFFECTIVELY CONNECT D1-9 AND D1-10).

1449 3670

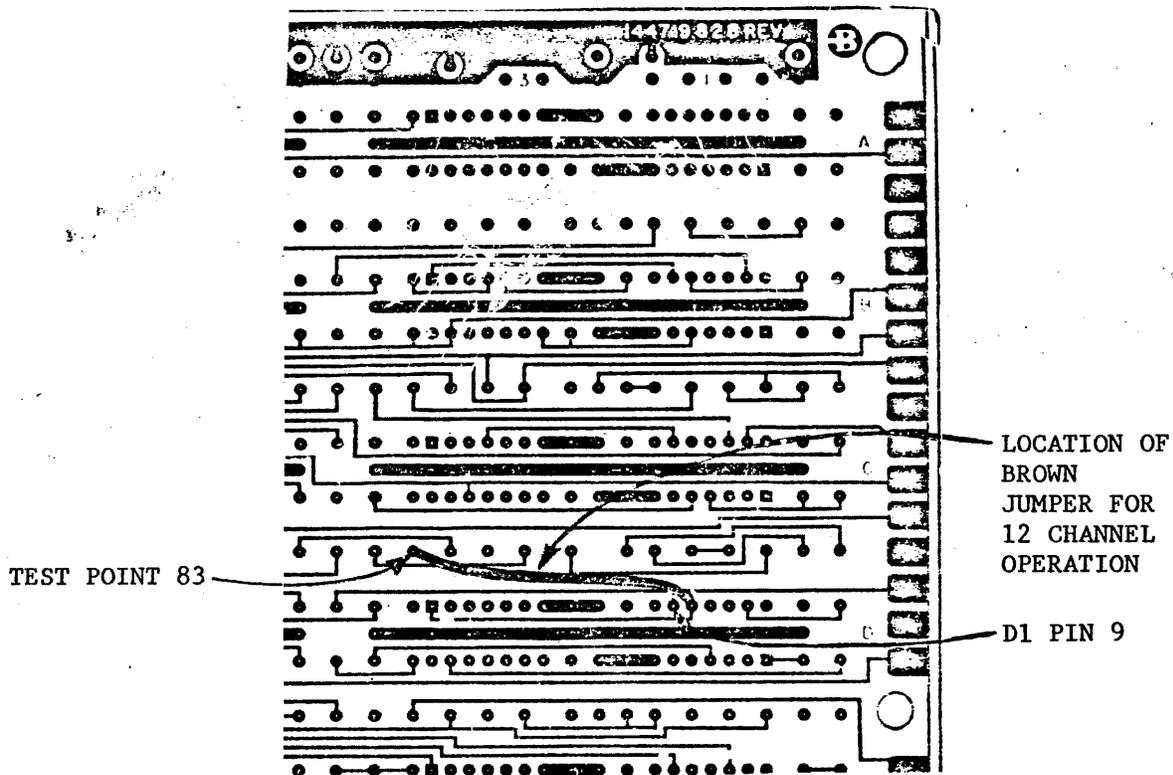


FIGURE 1 - MODIFIED (-) REVISION ARTWORK (SOLDER SIDE)

154

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COMPUTER SYSTEMS GROUP

DOWNINGTOWN PLANT

DOWNINGTOWN, PENNSYLVANIA 19335

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CONSENT.

NUMBER

2606 3933

REV

B

TITLE

FIELD INSTALLATION INSTRUCTIONS FOR
LINE PRINTER CONTROL OPTION (B243)

PREPARED BY

H. Caswell
9-8-75

APPROVED BY

B. Dinerman
9-8-75

ORIGINAL RELEASE DATE

9-26-75

PAGE

1 OF 3

REVISION

LEVEL	DESCRIPTION	DATE	APPROVED
A	Initial Release <i>ER109 REV109</i>		
B	Revised per ECN 4448. Templates deleted.	12-3-75	<i>W. Springer</i> <i>9/13</i>

2606 3933



1. SCOPE

1.1 Scope.— This document defines the instructions for field installation of the B243 line printer control option, M&E No. 1448 0388.

1.2 Option items.— The B243 control option consists of the following items:

Quantity	Description	Part No.
1	Circuit Card Assembly P01	1447 9794
1	Circuit Card Assembly P02	1447 9810
1	Printed Wiring Board P03	1447 9844
1	Cable Assembly	2601 1734
1	Connector Assembly	2605 0807
2	Pan Head Screw	1256 0397
2	Washer	1256 7426
1	Decal	1448 6674
1	Extension Cord	1448 8001

2. INSTALLATION INSTRUCTIONS

- (a) Insert the two circuit card assemblies and the printed wiring board into the appropriate DDP backplane locations in accordance with system requirements. Refer to the backplane map contained in the system FT&R documentation package for specific DDP card locations.
- (b) Assemble the connector assembly to the frontplane connector end of card P02 and board P03.
- (c) On the insertion side of the backplane, attach the 50-pin connector end of the cable assembly which has the strain relief bracket to the appropriate I/O connector.
- (d) Secure the 50-pin connector on the other end of the cable assembly to the adapter panel using the pan head screws and washers provided.
- (e) For B711 and B771 systems only, mark on the connector assignment decal, located on the power control unit, the slots of the adapter panel which use this option.
- (f) Attach the 50-pin connector of the peripheral device cable to the appropriate I/O connector on adapter panel.



- (g) Affix the decal to the configuration plate in the space for the DDP location which uses this control option.
- (h) Supplement the length of the power cord on the peripheral device by utilizing extension cord (1448 8001).
- (i) Verify that jumper on card P02 is connected for proper printer configuration. Refer to the applicable logic diagram contained in system FT&R documentation package.
- (j) Option installation is now complete.

851

DWG NO. 1448 0412		SHEET 2 OF		RELEASED 5-19-72		REVISIONS WITHOUT CHANGE (ECN 1161)		ECN 1161									
		D		E		PWA 11-8-72											
WIRE NO.	CONDUCTOR	FROM			TO			REMARKS	WIRE NO.	CONDUCTOR	FROM			TO			REMARKS
	SIZE COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION			SIZE COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	
1	24 AWG GRAY	P210	U	SOLDER	J210A	1	1472 0726	N5	26	24 AWG BLK	P210	AU	SOLDER	J210A	30	SEE NOTE 7	GRD
2	BLK		A *			6	SEE NOTE 3	GRD	27	GRAY		X *		33	1472 0726		N1
3	GRAY		T			2	1472 0726	N4	28	BLK		AA		30	SEE NOTE 7		GRD
4	BLK		Z			6	SEE NOTE 3	GRD	29	GRAY		A		34	1472 0726		Z2
5	GRAY		D			3	1472 0726	N8	30	BLK		B		30	SEE NOTE 7		GRD
6	BLK		L			6	SEE NOTE 3	GRD	31	GRAY		BA		41	1472 0726		Z8
7	GRAY		AN			4	1472 0726	V1	32	BLK		BH		36	1472 0726		GRD
8	BLK		AV			10	SEE NOTE 4	GRD	33	GRAY		E		42	1472 0726		Z1
9	GRAY		BB			5	1472 0726	V2	34	BLK		M		36	—		GRD
10	BLK		BJ			10	SEE NOTE 4	GRD	35	GRAY		H *		44	1472 0726		F4
11	GRAY		R *			14	1472 0726	F8	36	BLK		N *		40	1472 0726		GRD
12	BLK		U *			10	SEE NOTE 4	GRD	37	GRAY		H		45	1472 0726		PR/
13	GRAY		BL			11	1472 0726	CHRY	38	BLK		P		40	—		GRD
14	BLK		BM			16	SEE NOTE 5	GRD	39	GRAY		AJ		48	1472 0726		LOGIC GRD
15	GRAY		G *			12	1472 0726	FS	40	24 AWG GRAY	P210	AR	SOLDER	J210A	48	—	
16	BLK		M *			16	SEE NOTE 5	GRD	41								
17	GRAY		W			21	1472 0726	BOF	42								
18	BLK		C *			16	SEE NOTE 5	GRD	43								
19	GRAY		AE			15	1472 0726	N2	44								
20	BLK		AF			20	SEE NOTE 6	GRD	45								
21	GRAY		Q *			23	1472 0726	F1	46								
22	BLK		T *			20	SEE NOTE 6	GRD	47								
23	GRAY		W *			24	1472 0726	F2	48								
24	BLK		Z *			20	SEE NOTE 6	GRD	49								
25	24 AWG GRAY	P210	AM	SOLDER	J210A	32	1472 0726	Z4	50								

- NOTES:
 1. 14 INDICATES TWISTED PAIR.
 2. * INDICATES LOWER CASE.
 3. JOIN WIRES NO. 2, 4 & 6 IN SPICE (1448 2012) WITH SINGLE WIRE (16 AWG) TO J210A-6 USING 1471 5635.
 4. JOIN WIRES NO. 8, 10 & 12 IN SPICE (1448 2012) WITH SINGLE WIRE (16 AWG) TO J210A-10 USING 1471 5635.
 5. JOIN WIRES NO. 14, 16 & 18 IN SPICE (1448 2012) WITH SINGLE WIRE (16 AWG) TO J210A-16 USING 1471 5635.
 6. JOIN WIRES NO. 20, 22 & 24 IN SPICE (1448 2012) WITH SINGLE WIRE (16 AWG) TO J210-20 USING 1471 5635.
 7. JOIN WIRES NO. 26, 28 & 30 IN SPICE (1448 2012) WITH SINGLE WIRE (16 AWG) TO J210-30 USING 1471 5635.

DRAWN	DATE
MECHOLLI	5-15-72
CHECKED	DATE
MITCHELL	5-18-72
DEGN OR ENGR	DATE
APPROVED	DATE
J.L. MULLIN	5-18-72

Burroughs Corporation 

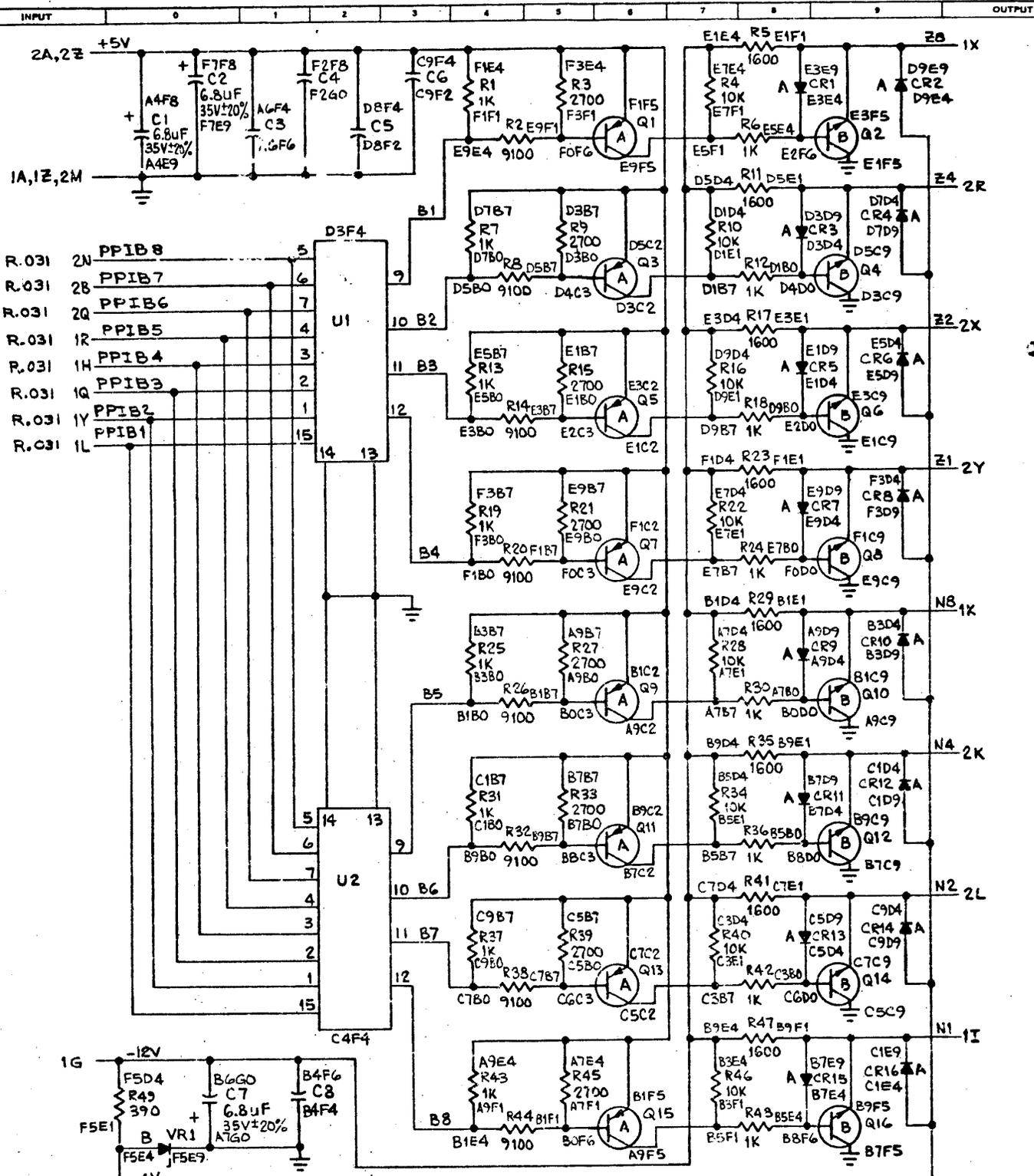
SMALL SYSTEMS PLANT
 DOWNINGTOWN, PA. 19335, U. S. AMERICA

TITLE: WIRE LIST
 ADAPTER CABLE, POTTER PRINTER

SHEET 2 OF DWG NO 1448 0412

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SCHEMATIC



SCL 1D EXT 16/PPEXT16/15
 SCL 2G EXT 15/PPEXT15/1W
 SCL 1T EXT 12/PPEXT12/1V

- FOR ASSEMBLY SEE 1447 9950 & CIRCUIT CARD ASSEMBLY LISTED IN TABLE.
 - COMPONENTS IDENTIFIED BY LETTERS A, B, ETC. INDICATE PART NUMBERS AS FOLLOWS:
 TRANSISTORS
 A - 1477 3451 A - 1471 4661
 B - 1471 4778 B - 1448 6153
- UNLESS OTHERWISE SPECIFIED, ALL RESISTOR VALUES ARE IN OHMS ±5%, 1/2 W.

FROM PAIR	CIRCUIT CARD ASSY	PROM	
		U1	U2
*1	1449 3662	1448 6260	1448 6278
*2	1449 3423	1449 3549	1448 3555
*3	1449 3451	1449 3563	1448 3571
*4	1449 3449	1447 3589	1449 3597
*5	1449 3456	1449 3605	1449 3612
*6	1449 3472	1449 3647	1449 3654

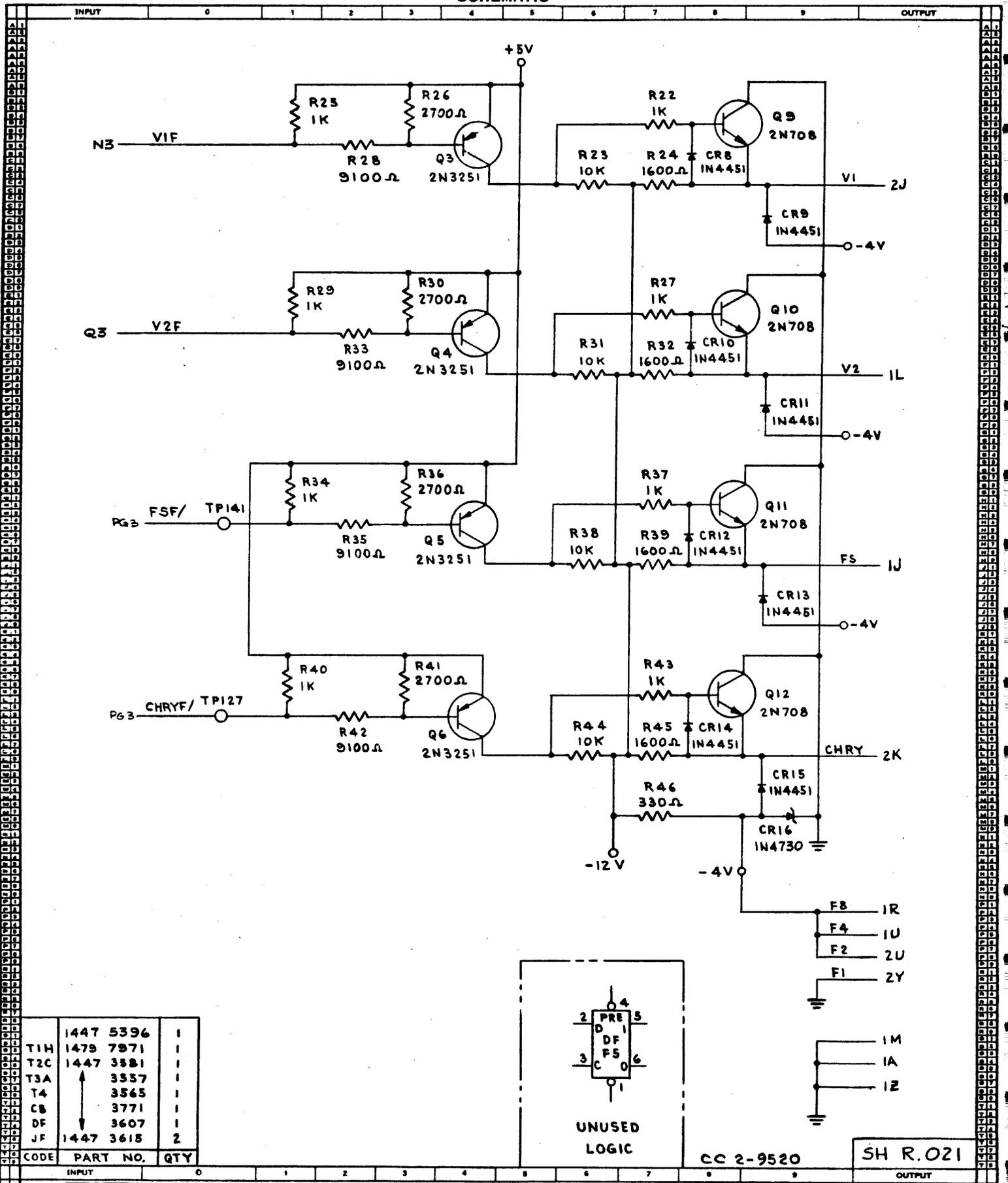
SCL: SEE CIRCUIT LIST FOR DESTINATIONS

CC2-9520

SH RO11

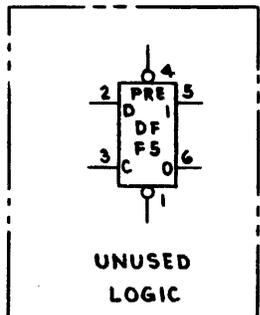
Burroughs Corporation MAGNETIC SYSTEMS PLANT DOWNINGTOWN, PA 19338 <small>PROPERTY OF BURROUGHS CORP. - NOT TO BE REPRODUCED OR USED IN MANUFACTURING PLANS WITHOUT PERMISSION OF BURROUGHS CORPORATION</small>		TITLE PP2 POTTER PRINTER DATA 9 SYSTEM B700 DRAWN APPROVED B. DINNERMAN 3-23-72	DWG. NO. 1448 0099 CHECKED G. KAPPE 4-4-72 RELEASED 5-11-72 REV. LETTER E PER 3015 11-25-74 DF
---	--	--	--

SCHEMATIC



	1447	5396	1
T1H	1479	7971	1
T2C	1447	3581	1
T3A	↑	3557	1
T4	↑	3565	1
CB	↑	3771	1
DF	↓	3607	1
JF	1447	3615	2

CODE	PART NO.	QTY



SH R.021

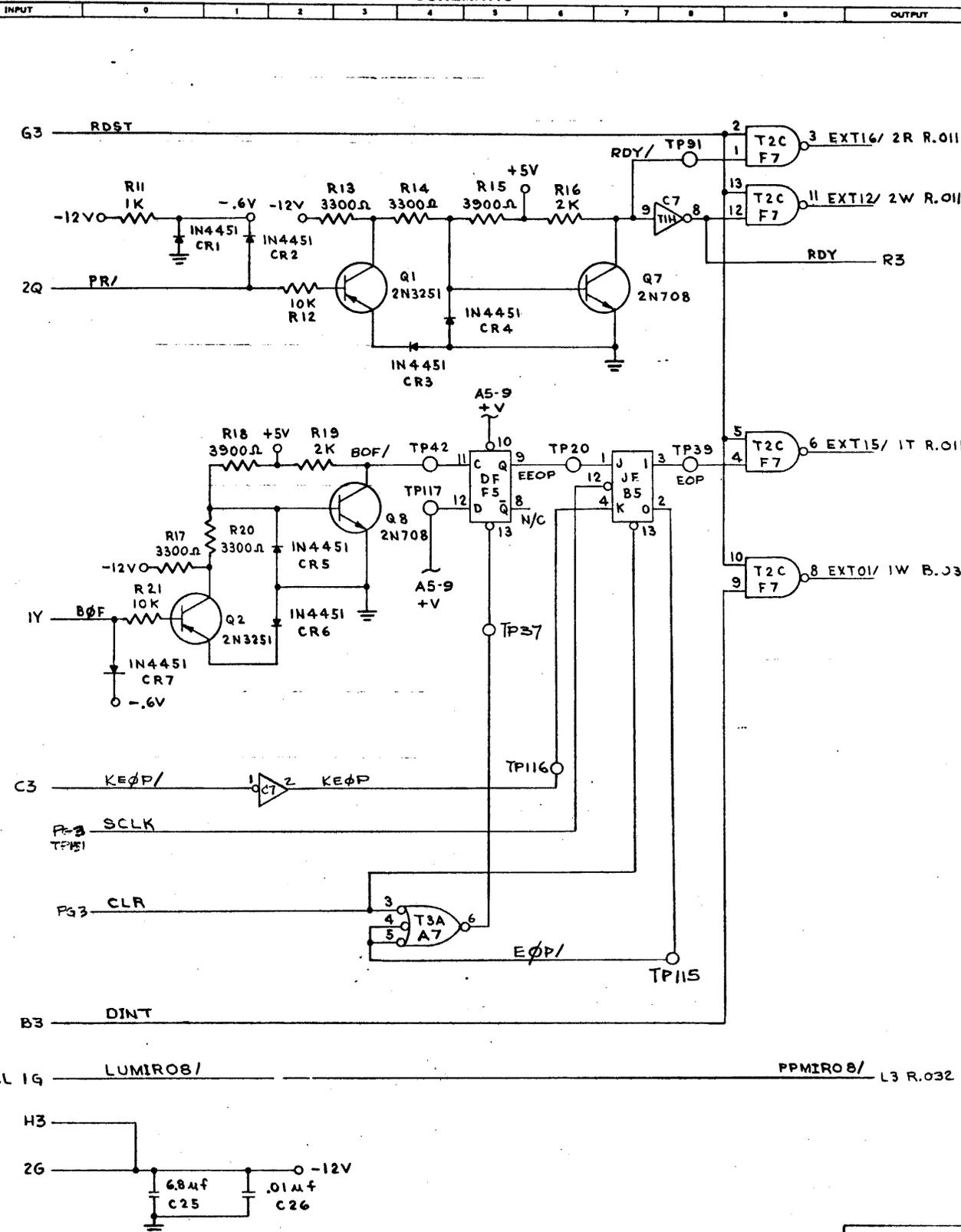
CC 2-9520

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PRODUCTION

TITLE PP3 POTTER PRINTER DATA | SYSTEM B700 | DWG. NO. 1448 0107
 DRAWN J.A. CHECKED D. FRANK PAGE 1 OF 3
 APPROVED S. B. GUSH RELEASED 2-10-71 REV. LETTER D ECH 1223
 S. B. DIMERMAN 2-8-71 6-6-71 10-12-71

SCHMATIC

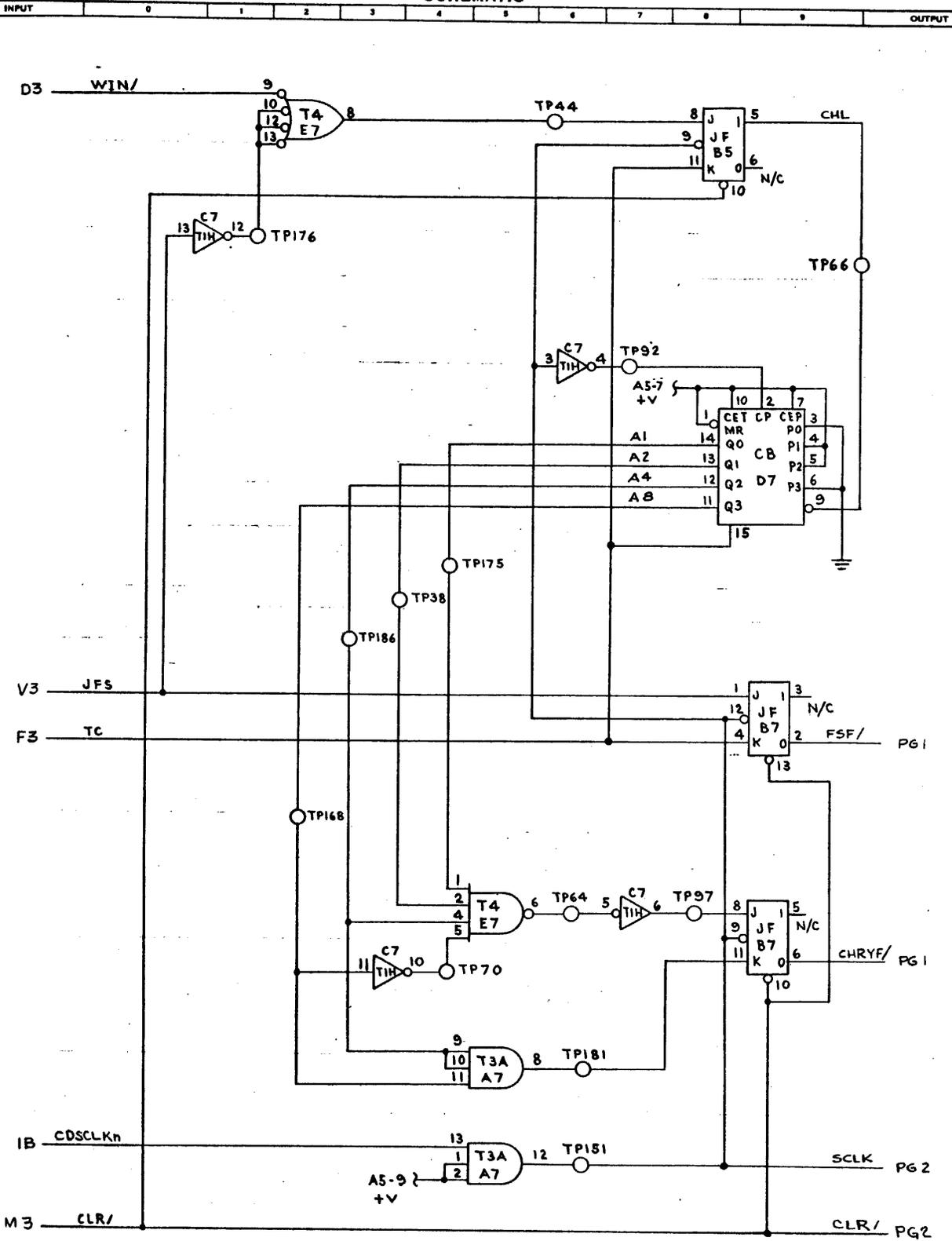


SCL: SEE CIRCUIT LIST FOR DESTINATIONS

SH R.022

INPUT	0	1	2	3	4	5	6	7	8	9	OUTPUT
<p>Burroughs Corporation MAGNETIC SYSTEMS PLANT DOWNTOWN, PA. 16833</p> <p>PRODUCTION</p> <p>TITLE PP3 POTTER PRINTER DATA I SYSTEM B700 DWG. NO. 1448 0107 DRAWN J.A. CHECKED D. FRANK 2-10-71 PAGE 2 APPROVED E. BODUSI RELEASED 5-6-71 REV. LETTER D EPN 1213 S. B. DINE & MAN 2-8-71</p>											

SCHMATIC



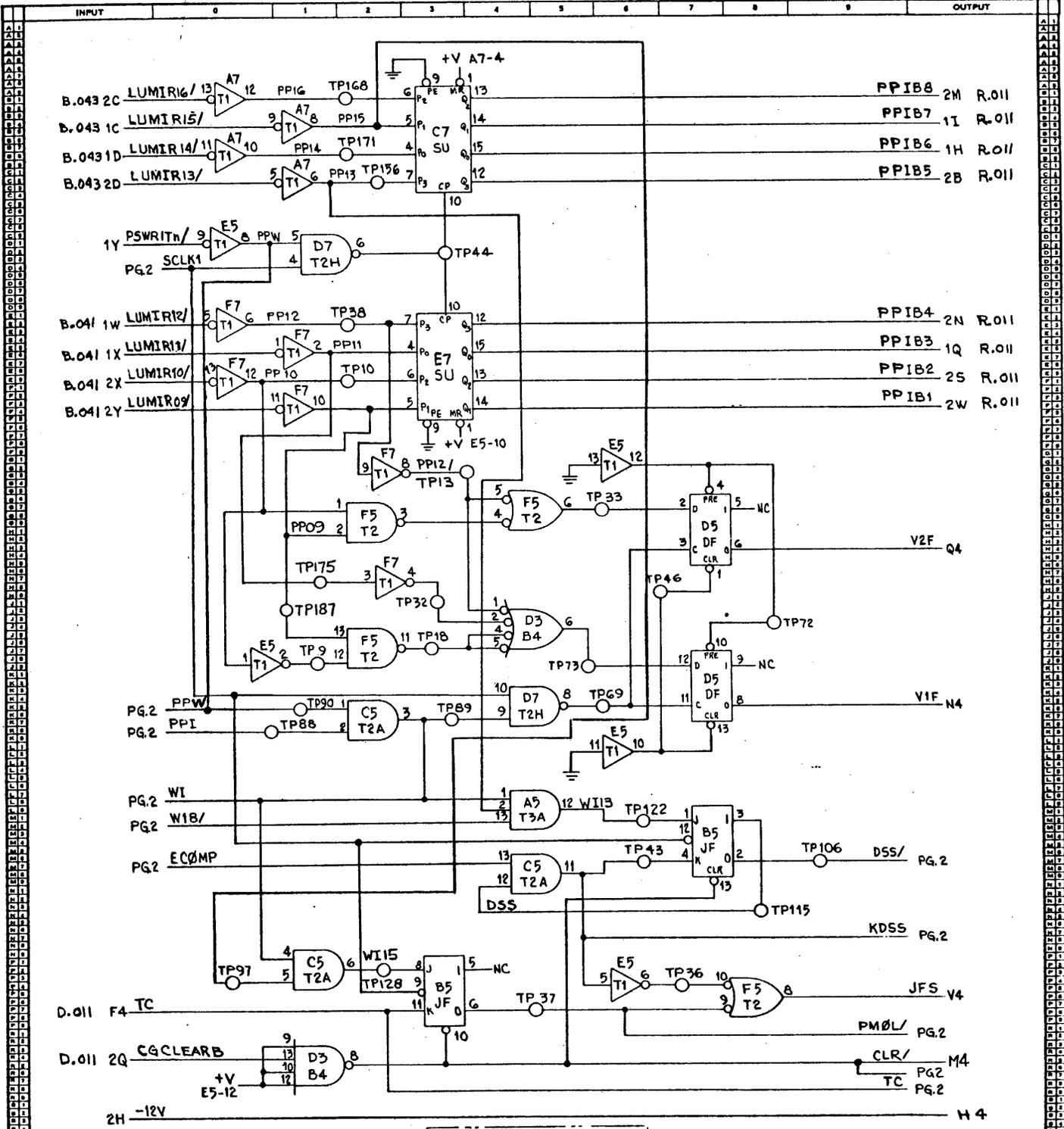
SH R.023

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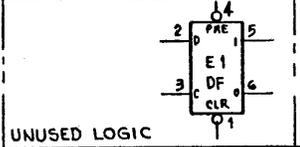
PRODUCTION

TITLE PP3 POTTER PRINTER DATA 1
 SYSTEM B700 DWG. NO. 1448 0107
 DRAWN J.A. CHECKED D.FRANK 2-14-71 PAGE 3
 APPROVED E.BOGUSH REV. LETTER D ECH 1223
 B.B. DINERMAN 2-8-71 REV. 7-11-71

SCHEMATIC



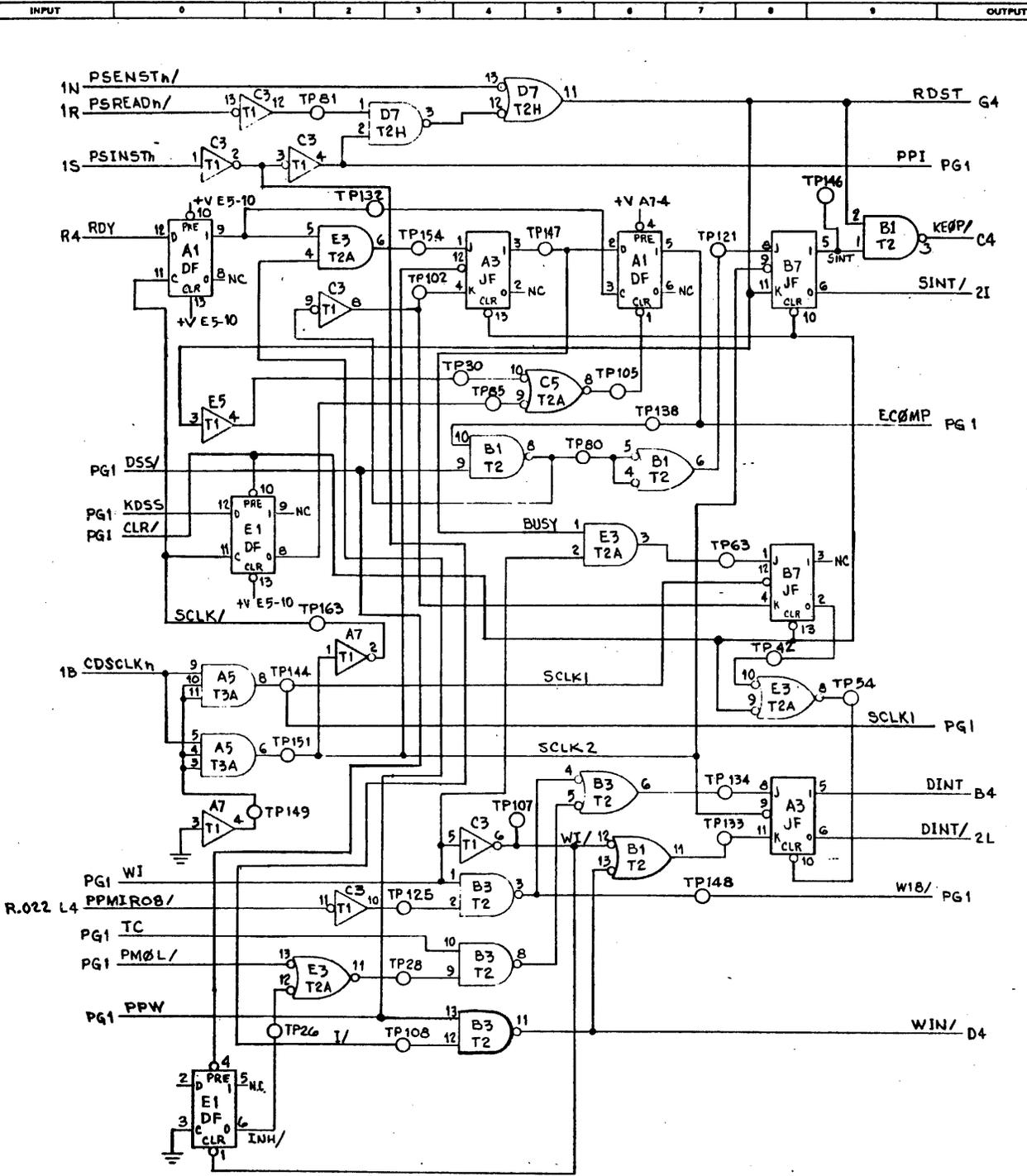
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T2A	1447 3524	1	JF	1447 3615	3
T2H	1479 0240	1	DF	1447 3607	3
T2	1447 3516	3	B4	1447 3599	1
T1	1447 3532	4			



SH R.031

Burroughs Corporation MAGNETIC SYSTEMS PLANT DOWNINGTOWN PA 19328			PRODUCTION			CC 2-9520
TITLE PP4 POTTER PRINTER SPECIAL CONTROL SYSTEM B 700 DRAWN M. SULLIVAN CHECKED D. FRANK 2-10-72 PAGE 1 OF 2 APPROVED B. DINERMAN RELEASED 5-6-72 2-B-72			DWG. NO. 1448 0115 REV. LETTER E PER ECN 1554 P.P.S. 8-23-72			

SCHMATIC

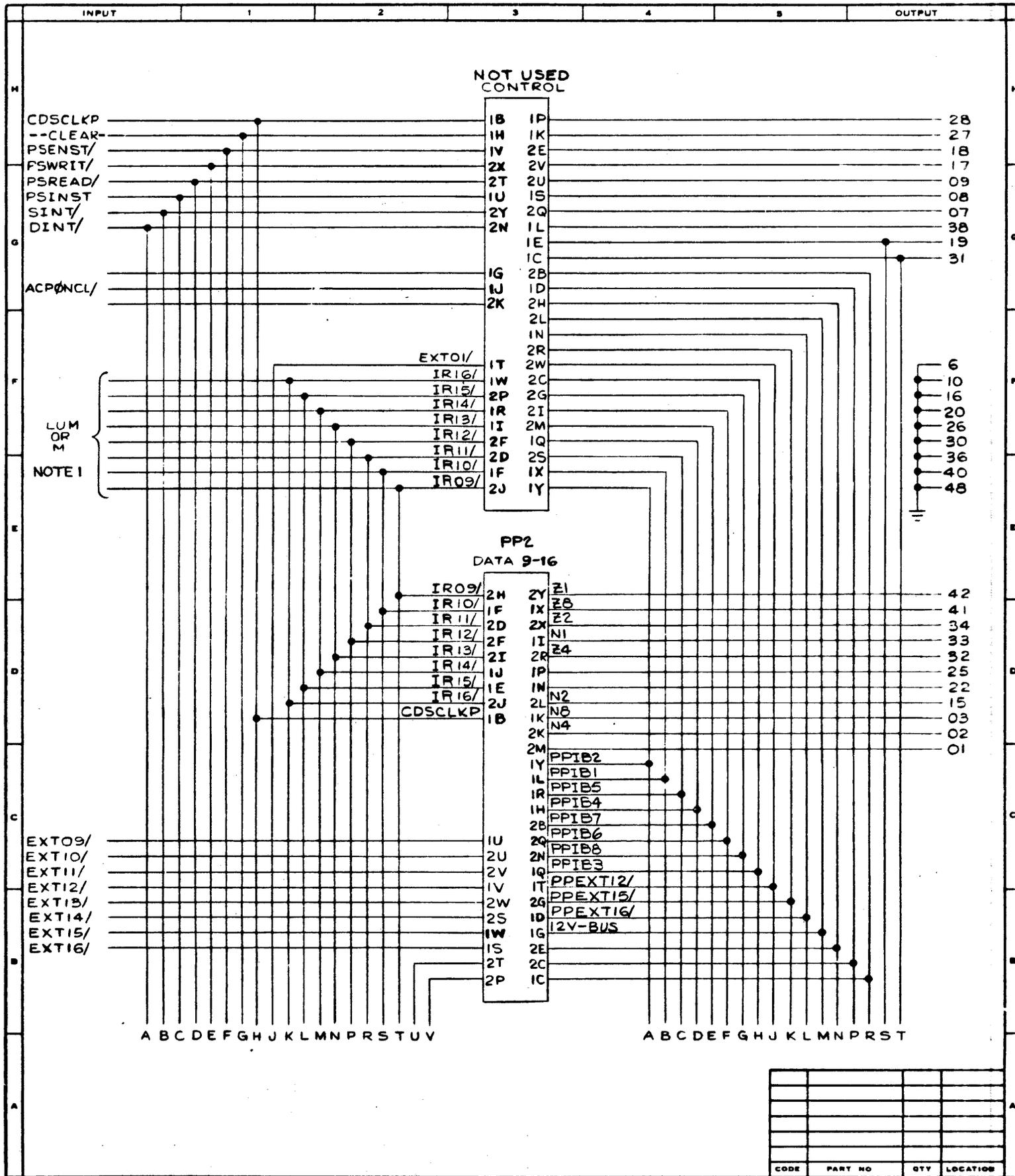


SH R.032

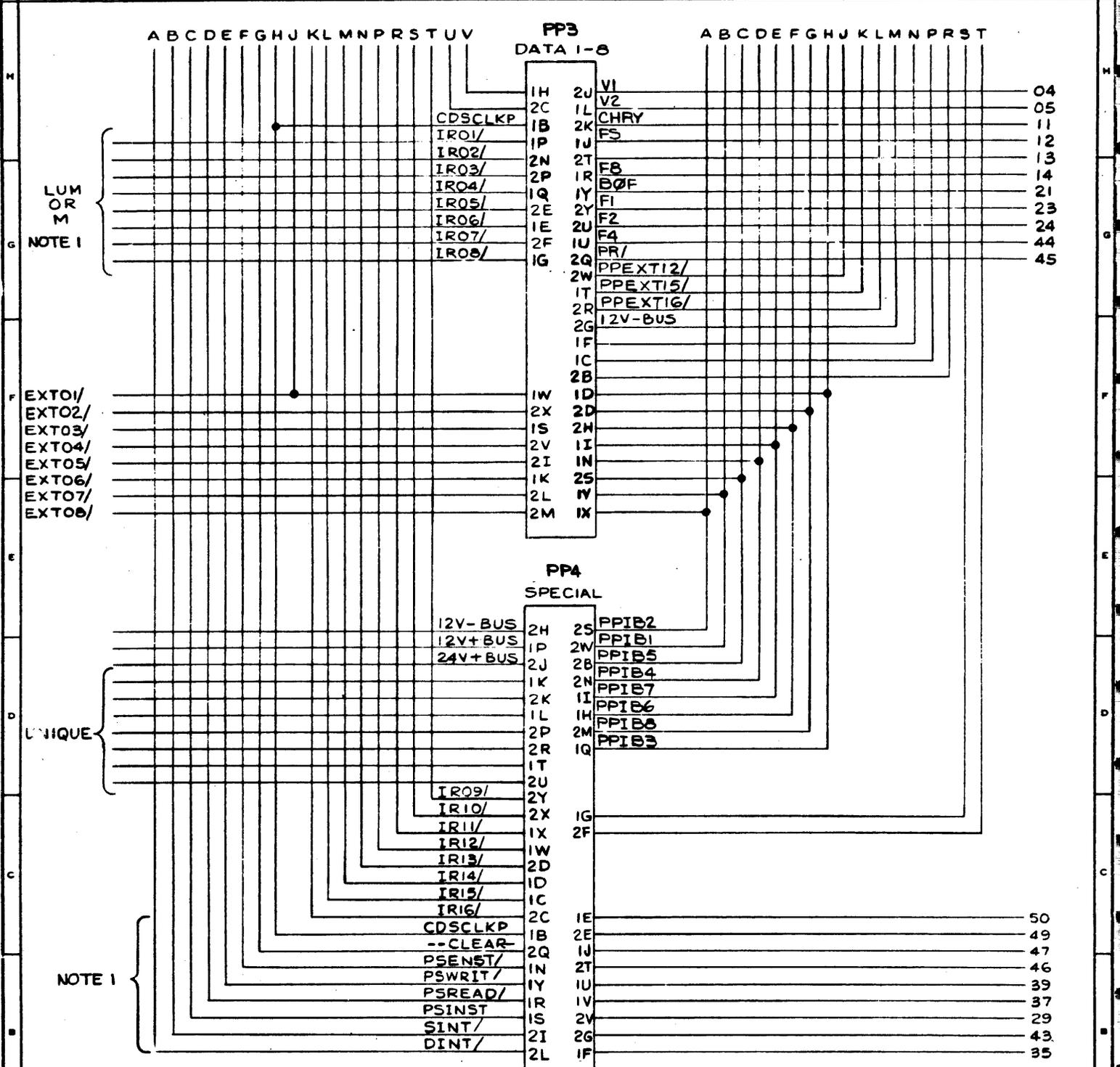
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PRODUCTION

TITLE PP4 POTTER PRINTER SPECIAL CONTROL
 SYSTEM B 700 DWG. NO. 1448 0115
 DRAWN M. SULLIVAN CHECKED D. FRANK 2-10-72 PAGE 2 OF 2
 APPROVED B. DINERMAN 2-8-72 REV. LETTER E. PER ECH 1554
 PWA 3/1/72 826 5-4-73



INPUT	1	2	3	4	5	OUTPUT
<p>Burroughs Corporation</p> <p>COMPUTER SYSTEMS GROUP DOWNTOWN PLANT DOWNTOWN Pa. 19225 U.S. AMERICA</p>						
REV	AA					
SH	12					
REVISIONS	1					
DATE	1-20-76					
BY	W. J. ...					
CHECKED	...					
DATE	3-7-76					
BY	E. ...					
DATE	3-7-76					
TITLE	DDP PP	WIRING DIAGRAM				CLASS CODE
SHEET	1 of 2	DWG NO 2606 9633				PLT NO. 038
REV	A					



LUM OR M
NOTE 1

EXT01/
EXT02/
EXT03/
EXT04/
EXT05/
EXT06/
EXT07/
EXT08/

UNIQUE

NOTE 1

NOTES:
1. THESE SIGNAL NAMES MAY VARY FOR EACH DDP APPLICATION.
2. THE FOLLOWING TABS ARE COMMON TO EACH CARD.
GND 1A, 1M, 1Z
Vcc 2A, 2Z

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Burroughs Corporation



COMPUTER SYSTEMS GROUP

DOWNTOWN PLANT

DOWNTOWN, PENNSYLVANIA 19335

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CONSENT.

NUMBER

2606 3958

REV

B

TITLE

FIELD INSTALLATION INSTRUCTIONS FOR
LINE PRINTER CONTROL OPTION (B245)

PREPARED BY

H. Caswell
9-8-75

APPROVED BY

B. Dinerman
9-8-75

ORIGINAL RELEASE DATE

9-26-75

PAGE 1 OF 2

REVISIONS

LEVEL	DESCRIPTION	DATE	APPROVED
A	Initial Release ER109 Rev 09		
B	Revised for ECN 4448. Templates deleted.	12-2-75	W. Johnson JMS

2606 3958



1. SCOPE

1.1 Scope. - This document defines the instructions for field installation of the B245 line printer control option, M&E No. 1448 0404.

1.2 Option items. - The B245 control option consists of the following items:

Quantity	Description	Part No.
1	Circuit Card Assembly PP2	1449 3662
1	Circuit Card Assembly PP3	1447 9976
1	Circuit Card Assembly PP4	1447 9992
1	Connector Assembly	2605 0807
1	Cable Assembly	1448 0412
1	Decal	1448 6690
1	Electrical Plug	1449 3217

2. INSTALLATION INSTRUCTIONS

- (a) Insert the three circuit card assemblies into the appropriate DDP backplane locations in accordance with system requirements. Refer to the backplane map contained in the system FT&R documentation package for the specific DDP card locations.
- (b) Attach the connector assembly to the frontplane connector end of card pair PP3 and PP4.
- (c) On the insertion side of the backplane, attach the 50-pin connector end of the cable assembly which has the strain relief bracket to the appropriate I/O connector.
- (d) Plug the connector on the end of the I/O cable from the printer into the 78-socket receptacle on the free end of the cable assembly.
- (e) Affix the decal to the configuration plate in the space for the DDP location which uses this control option.
- (f) If necessary, make plug of printer power cord adaptable by replacing existing plug of power cord with electrical plug (1449 3217) provided.
- (g) Option installation is now complete.

DWG NO.
1448 0370

SHEET 2 OF

RELEASED

WIRE NO.	CONDUCTOR			FROM			TO			REMARKS	WIRE NO.	CONDUCTOR			FROM			TO			REMARKS
	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES			TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION		
1	24	GRAY	P2	AC	SOLDER	PI	41	1472 0726	PC TP/	26	24	GRAY	P2	AU	SOLDER	PI	29	1472 0726	CS4L/		
2				BC			40		GND	27				AV			50		SPARE		
3				AD			33		DC1L/	28				AW			22		PR2L/		
4				BE			30		GND	29	24	GRAY	P2	BT	SOLDER	PI	20	1472 0726	GND		
5				AE			32		DC2L/	30											
6				AF			34		DT1L/	31											
7				BG			36		GND	32											
8				AG			7		DT2L/	33											
9				BI			10		GND	34											
10				AH			8		DT4L/	35											
11				AI			9		DT8L/	36											
12				BK			16		GND	37											
13				AJ			42		MOST/	38											
14				AK			38		PR1L/	39											
15				AL			37		CSL/	40											
16				AM			1		PCSL/	41											
17				BM			6		GND	42											
18				AN			25		PFCL/	43											
19				BP			26		GND	44											
20				AP			3		PAML/	45											
21				AQ			15		EDPL	46											
22				AR			2		PRSL/	47											
23				AS			35		CS1L/	48											
24				AT			43		CS2L/	49											
25	24	GRAY	P2	BR	SOLDER	PI	48	1472 0726	GND	50											

NOTES:

67/

DRAWN KAPPE	DATE 1-25-73
CHECKED	DATE
DEGN OR ENGR E. Berger	DATE 1-24-73
APPROVED V. J. ...	DATE 1/30/73

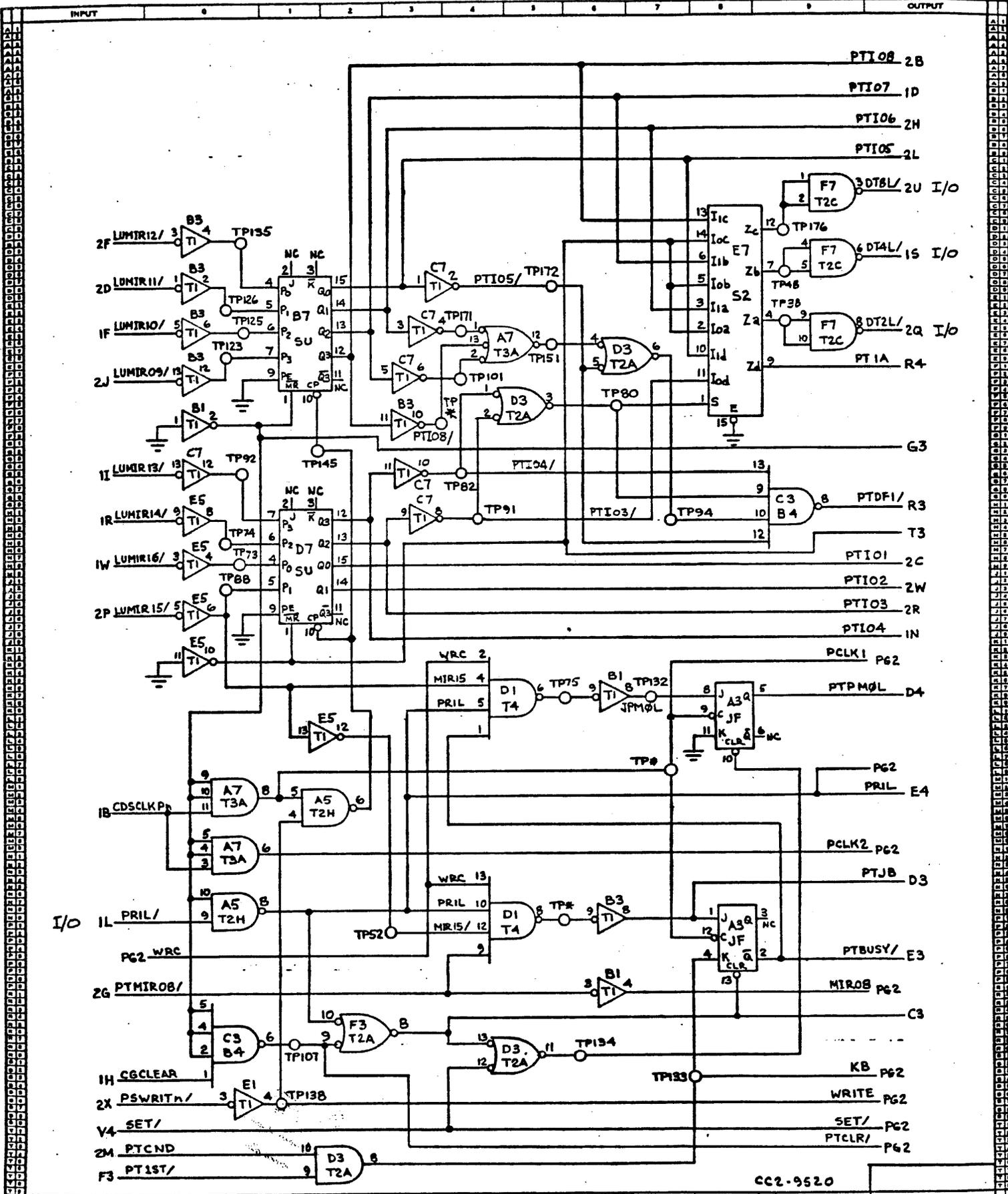
Burroughs Corporation 
SMALL SYSTEMS PLANT
DOWNTOWN, PA. 19336, U. S. AMERICA

TITLE
WIRE LIST
CABLE ASSY, ADAPTER
LINE PRINTER A9247

SHEET 2 OF DWG NO. 1448 0370

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SCHEMATIC



CC2-9520

INPUT	0	1	2	3	4	5	6	7	8	9	OUTPUT
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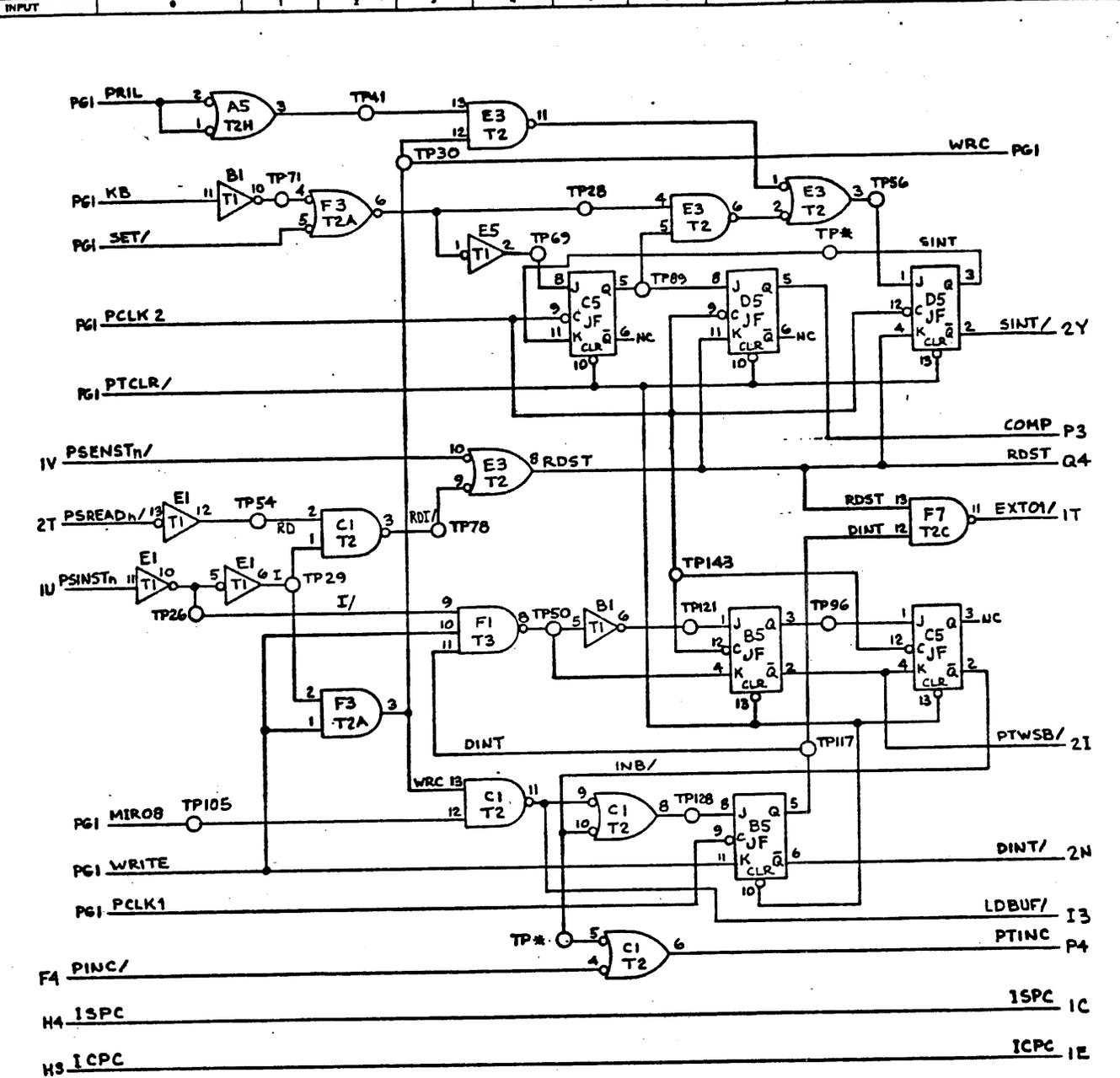
Burroughs Corporation
 MAGNETIC SYSTEMS PLANT DOWNTOWN, PA 19330
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TITLE PT1 TIREMAN PRINTER CONTROL
 SYSTEM 8711
 DRAWN C.L.B./S.H.P.
 APPROVED *[Signature]* 1/13/73
 CHECKED *[Signature]*
 RELEASED
 DWG. NO. 1447 8473
 PAGE 1 of 2
 REV. LETTER B-P&A-ECV
 1/17/76
 PRINTED IN U.S.A.

170

170

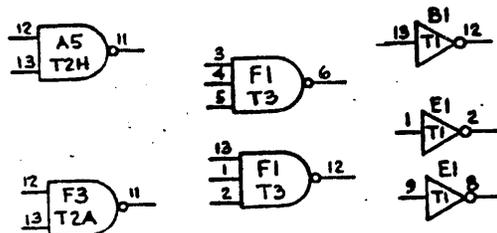
SCHMATIC



* UNABLE TO REACH DEDICATED VIA

S2	1447 3797	1
SU	1447 3755	2
JF	1447 3615	4
B4	1447 3599	1
T4	1447 3565	1
T3A	1447 3557	1
T3	1447 3540	1
T2H	1479 0240	1
T2C	1447 3581	1
T2A	1447 3524	2
T2	1447 3516	2
T1	1447 3532	5
CODE	PART NO	QTY

UNUSED LOGIC

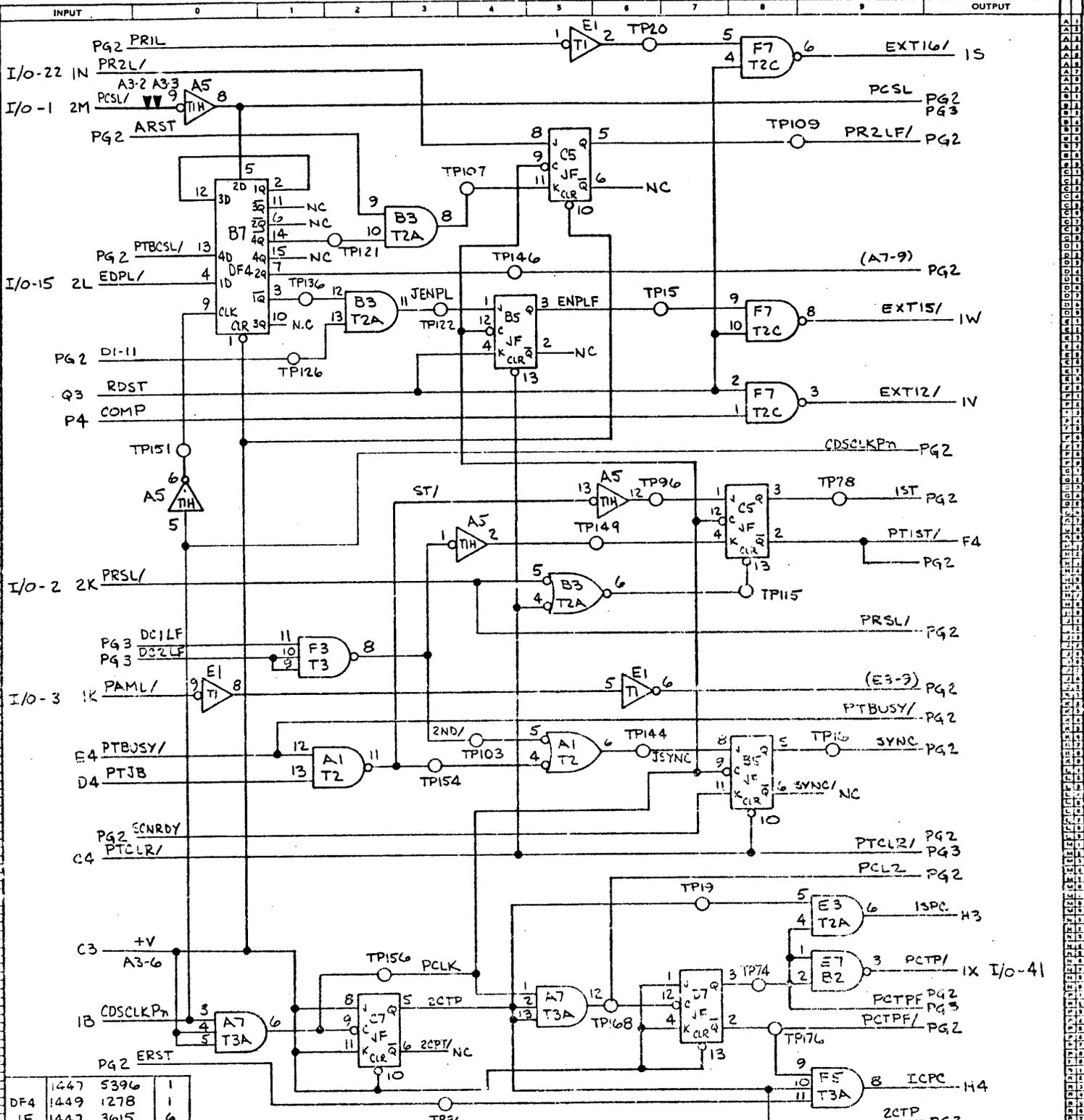


CC2-9520

Burroughs Corporation
MAGNETIC SYSTEMS PLANT DOWNINGTOWN, PA 19338

TITLE PT1 TIREMAN PRINTER CONTROL
SYSTEM B711
DRAWN CLEISCHOPP CHECKED Rusan
APPROVED [Signature] RELEASED
DWG. NO. 1447 8473
PAGE 2 OF 2
REV. LETTER B ECU1726

SCHEMATIC



CODE	PART NO.	QTY
DF4	1447 5396	1
JF	1447 1278	1
B2	1447 3615	6
T4	1447 9596	1
T3A	1447 3565	1
T3A	1447 3557	2
T3	1447 3540	2
T2A	1447 3524	2
T2C	1447 3581	1
T2	1447 3516	4
TH	1479 7971	1
TI	1447 3532	1

UNUSED LOGIC
NONE

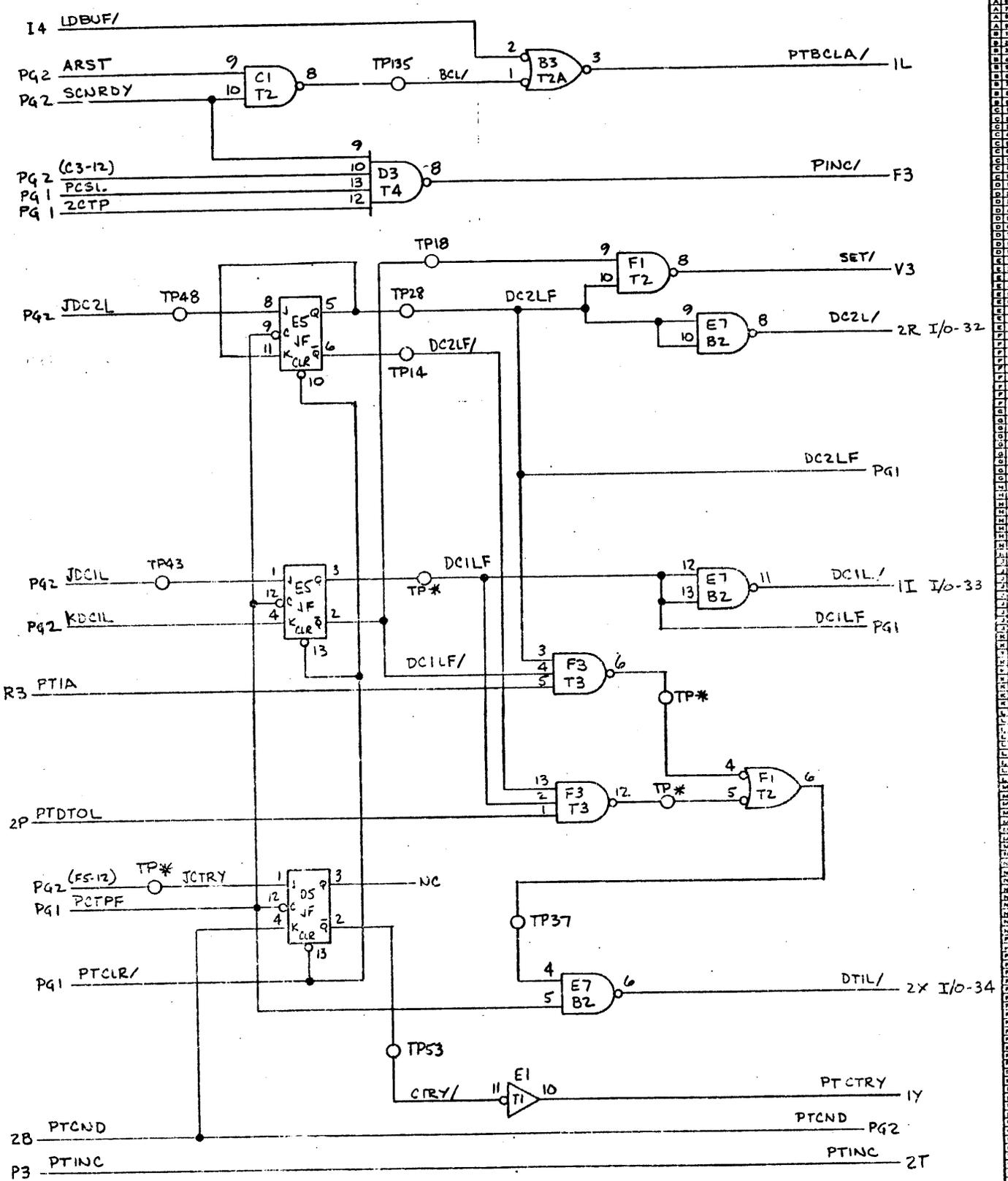
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002-9520

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SCHEMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



CC2-9520

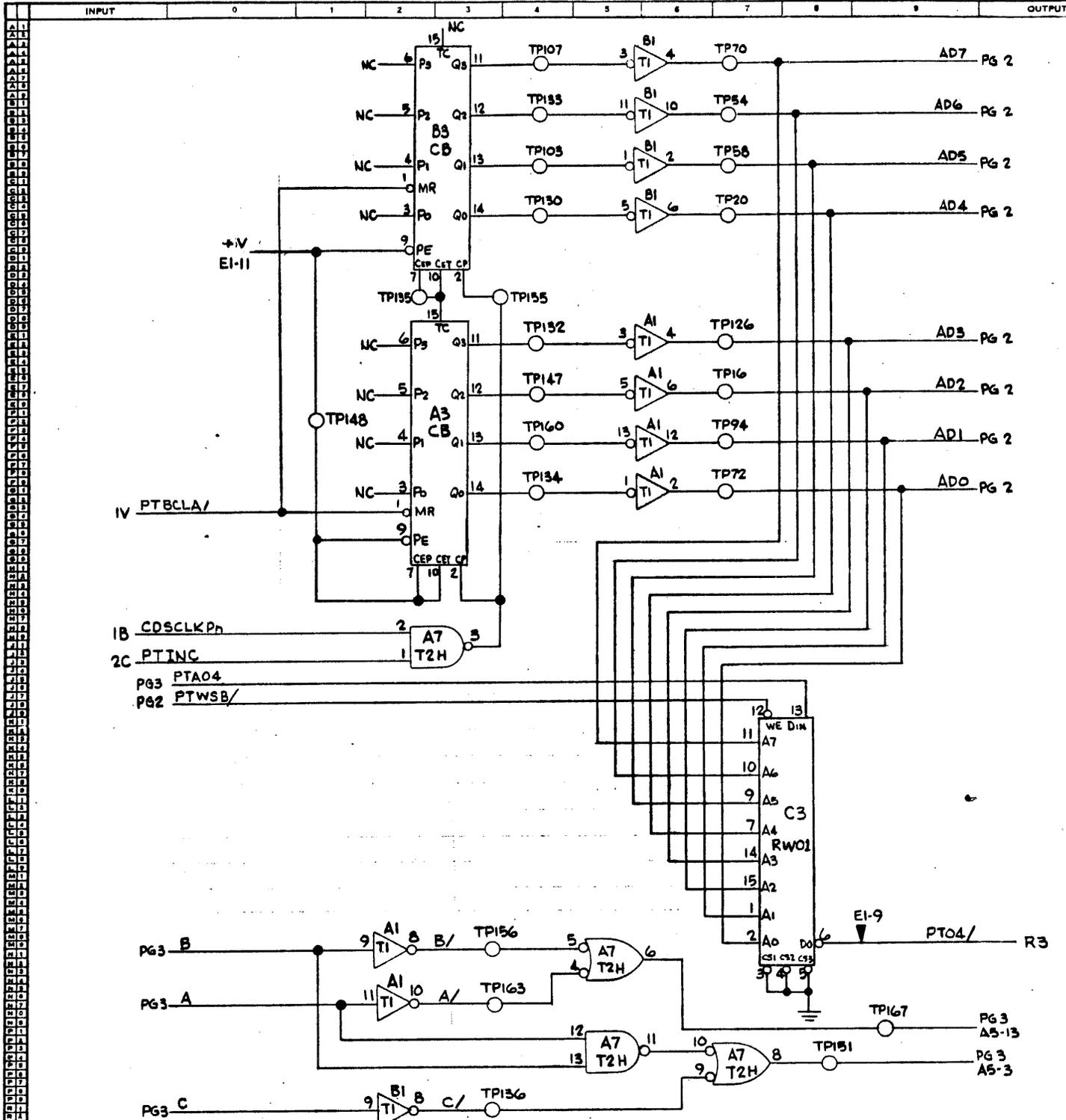
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 DOWNTOWN PA 19335
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TITLE PRINTER DDP PT2
 SYSTEM B711
 DRAWN R. WEAVER
 APPROVED [Signature]
 CHECKED C. L. BISCHOFF
 RELEASED
 DWG. NO. 1447 9281
 PAGE 3 OF 3
 REV. LETTER C ECU 3690
 DE 3-4-75
 PRINTED IN U.S.A.

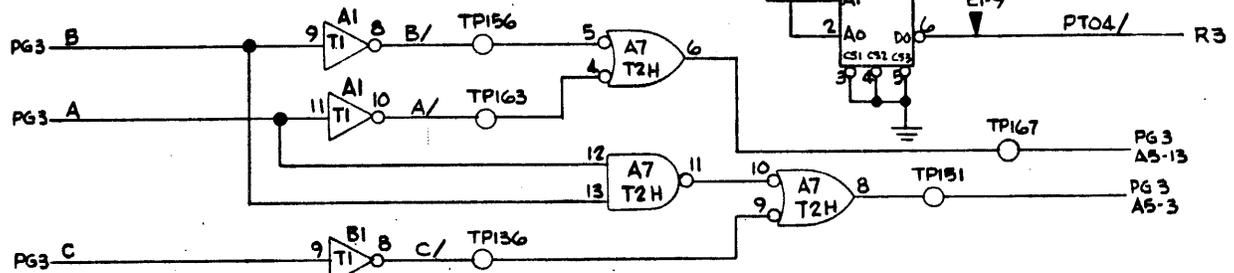
174

174

SCHMATIC



PG3 PTA04
PG2 PTWSB/



ROW1	1448 2319	2
	1447 8598	7
CB	1447 3771	2
E24	1447 3649	1
T2A	1447 3524	1
T2	1447 3516	1
T2H	1479 0240	1
TI	1447 3532	3
CODE	FART NO.	QTY

TP INDICATES TEST POINT

CONTROL STYLE	PROM SET	LOCATION	
		C7	B7
B244	2603 5998	1449 6053	1449 6061
B244-1	2603 6004	2603 7952	2603 7960
B244-2	2603 6012	2603 7978	2603 7986
B244-3	2603 6020	2603 7994	2603 8000
B244-4	2603 6028	2603 8018	2603 8026
B244-5	2603 6046	2603 8034	2603 8042
B244-6	2603 9503	2601 8473	2601 8481
B244-12	2846 0673	2846 0681	2846 0699
B244-13	2846 0707	2846 0715	2846 0723

CC 2-9520 SH

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MAGNETIC SYSTEMS PLANT DOWNINGTOWN PA 19335

TITLE PT3
SYSTEM DC2110
DRAWN KRELL
APPROVED F. SARGENT

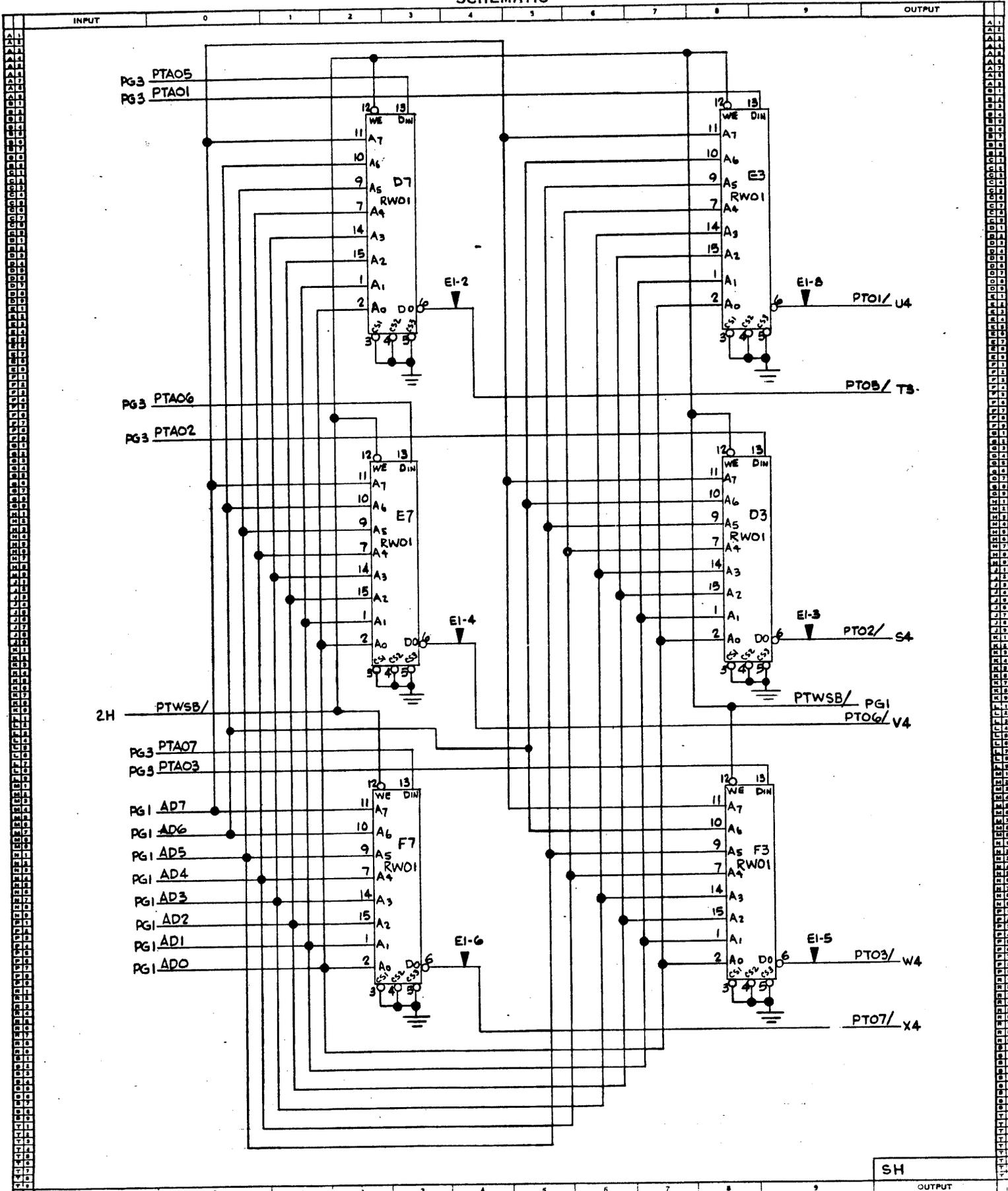
CHECKED J. SELLER
RELEASED 3-12-73

DWG. NO. 1447 9299
PAGE 1 OF 3
REV. LETTER D

SHT	1	2	3
REV	D	A	D

175

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SH

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TITLE PT5
 SYSTEM DC2110
 DRAWN KRELL
 APPROVED [Signature]
 CHECKED [Signature] 3-1-73
 DWG. NO. 1447 9299
 PAGE 2
 REV. LETTER A ER 87
 4-1-73

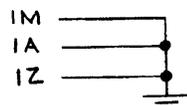
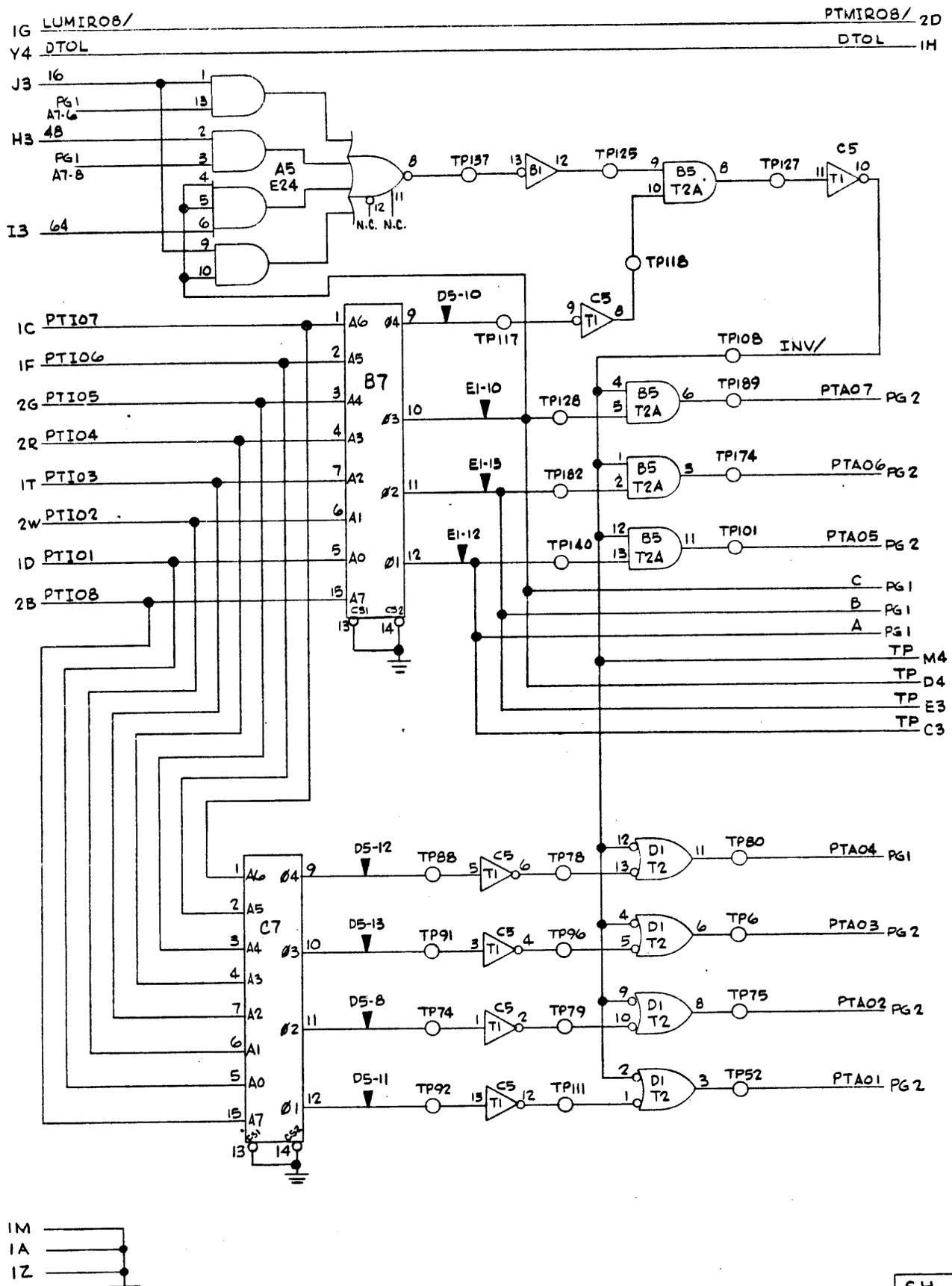
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176

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SCHEMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



SH

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

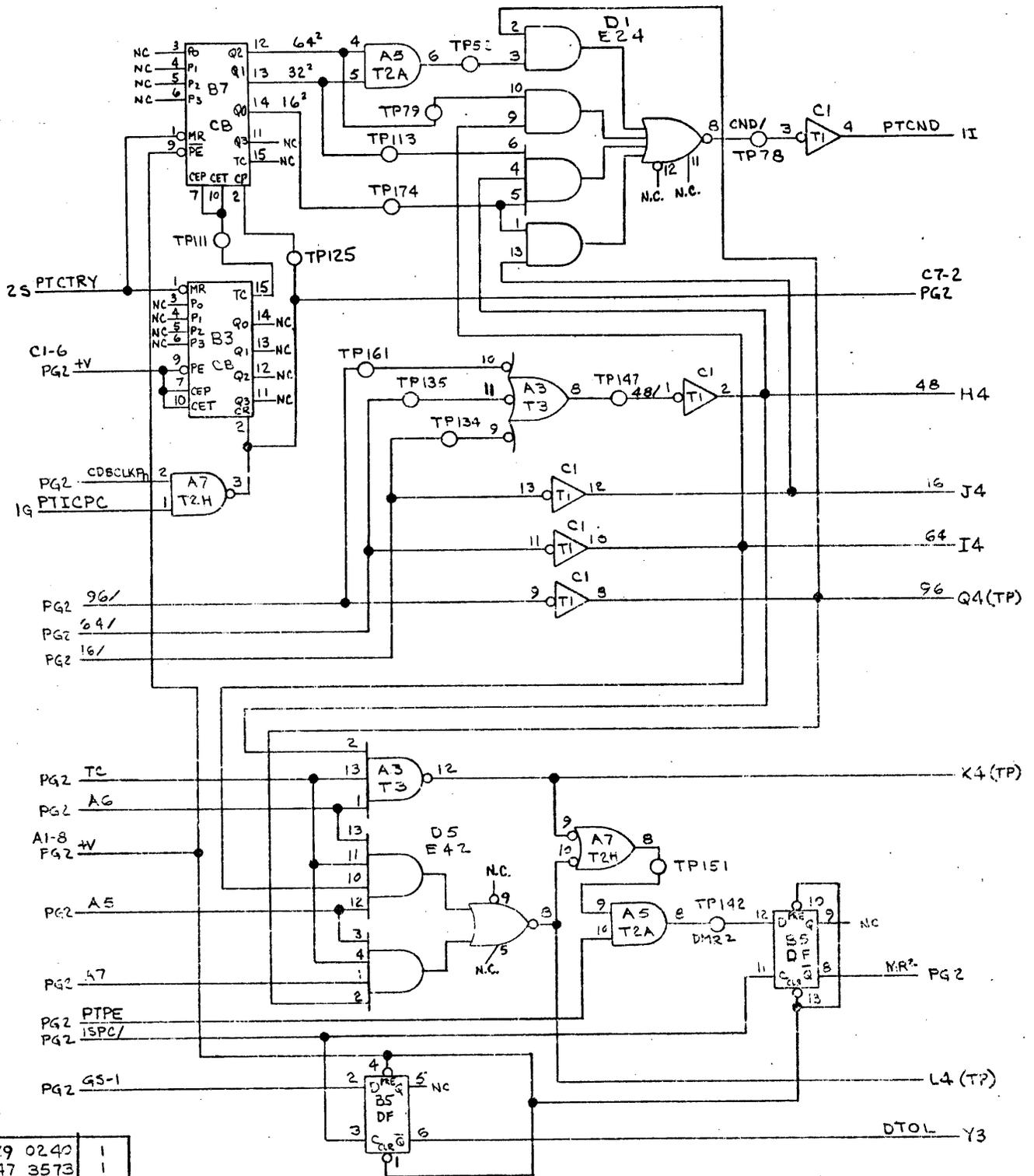
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TITLE PT 3
 SYSTEM DC2110
 DRAWN KRELL CHECKED *[Signature]*
 APPROVED F. SCHROEDER RELEASED 3-12-73
 DWG. NO. 1447 9299
 PAGE 3
 REV. LETTER D

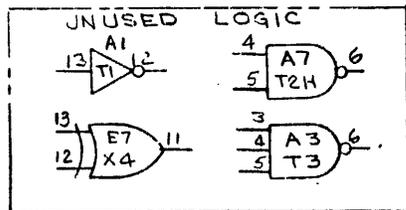
SCHMATIC

INPUT

OUTPUT



T2H	1479 0240	1
T8	1447 3573	1
E42	1447 3656	1
E24	1447 3649	1
T1	1447 3532	2
T2A	1447 3524	1
T3	1447 3540	2
DF	1447 3607	1
CB	1447 3771	6
X4	1447 3698	2



CODE	PART N°	QTY
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MAGNETIC SYSTEMS PLANT DOWNTOWN, PA 19338

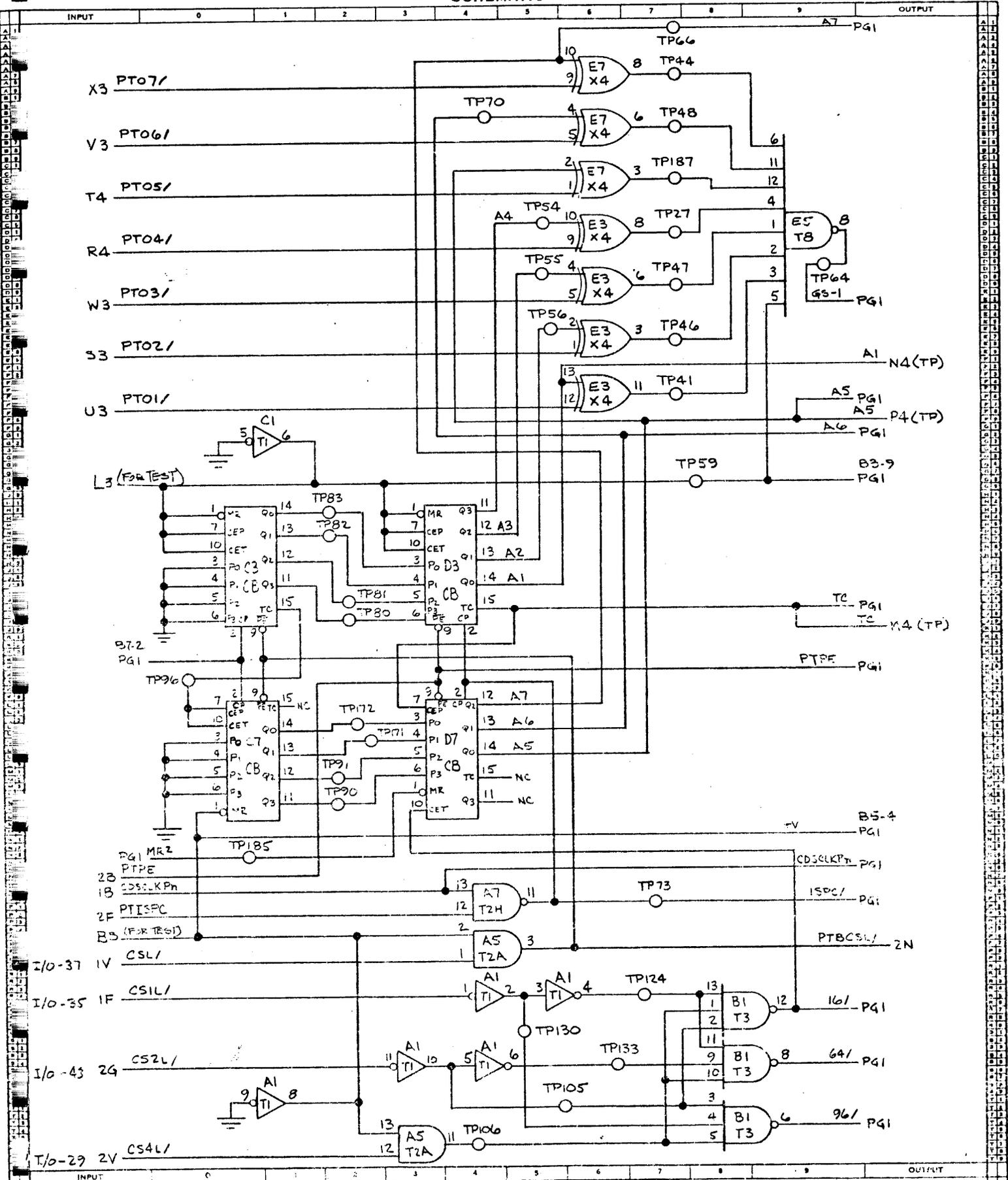
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TITLE PRINTER DDP P14
 SYSTEM
 DRAWN KRELL CHECKED [Signature] UWG. NO. 1447 9307
 APPROVED F. SCHROEDER RELEASED 5-16-73 REV. LETTER D P58044498
 4-4-73 4/10/73

REV. DC
 PAGE 12

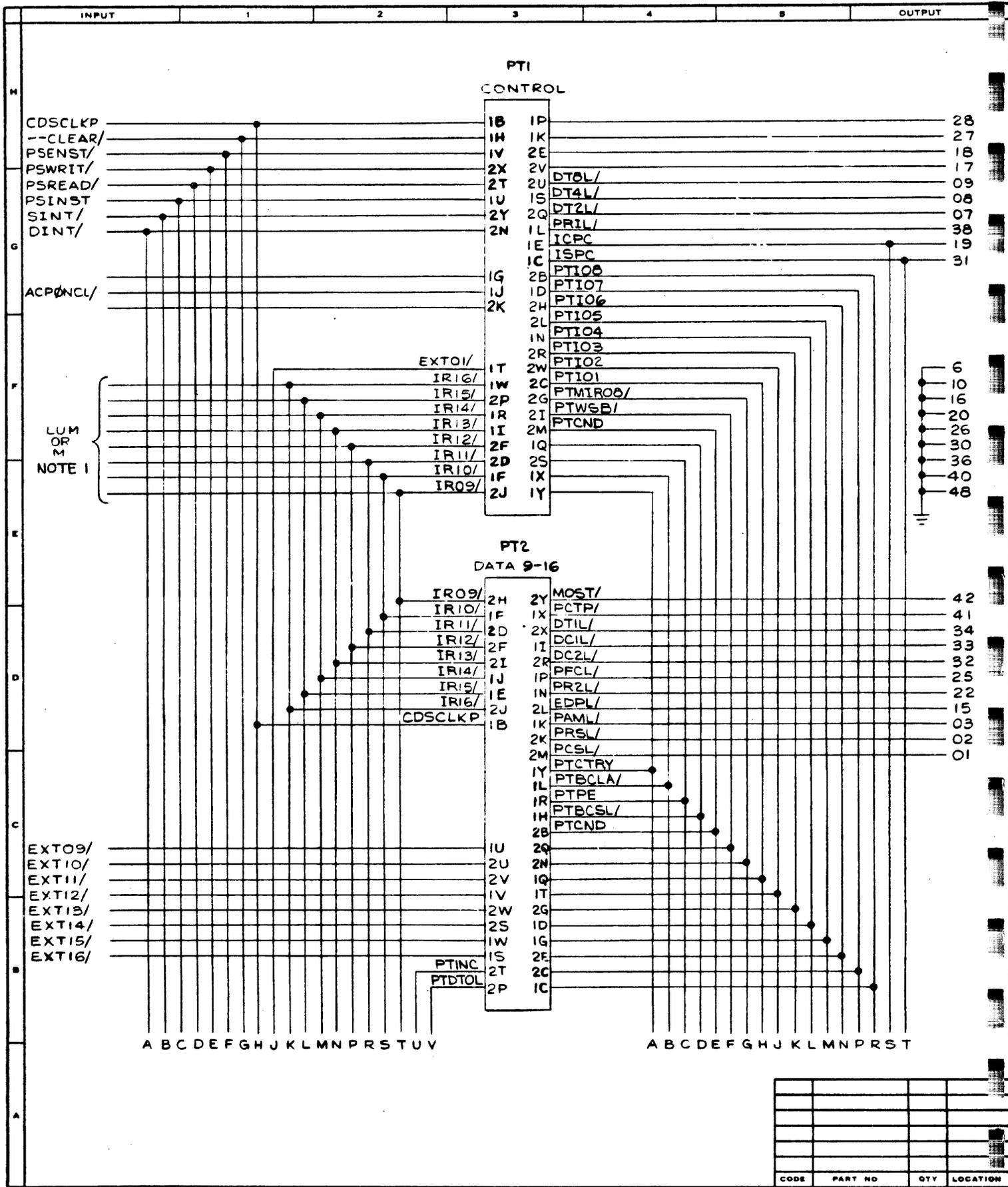
178 PRINTED IN U. S. AMERICA

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TITLE PRINTER DDP PT4
 SYSTEM
 DRAWN R. WEAVER CHECKED J. L. G. DWG. NO. 14479307
 APPROVED J. W. BURROUGHS RELEASED PAGE 2 OF 2
 REV. LETTER C PER ECA 201



CODE	PART NO	QTY	LOCATION

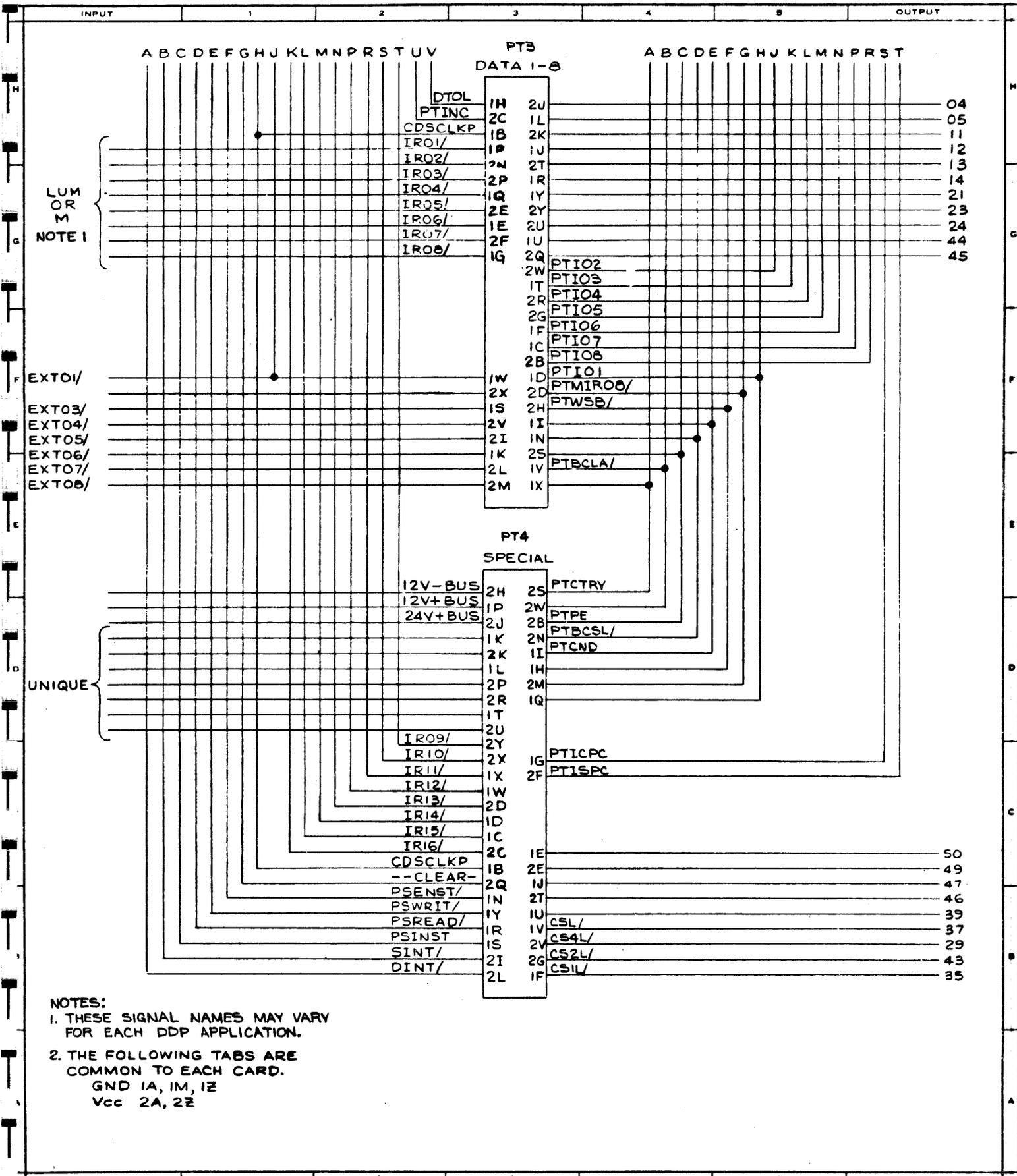
180 Burroughs Corporation
 COMPUTER SYSTEMS GROUP DOWNTOWN PLANT
 DOWNTOWN PA. 19332 U.S. AMERICA

REV	BY	DATE	DESCRIPTION
REV A	A	1-5-76	
SH 1	Z		
REV A	REL 231		
REV A	ER 107		

DESIGNED BY <i>C. ZUTSKI</i>	DATE 1-5-76	TITLE DDP PT WIRING DIAGRAM	CLASS CODE 2-9520
CHECKED BY <i>R. J. Harman</i>	DATE 1-20-76	SHEET 1 of 2	PLT NO. 038
DATE OF INCH 3/1/76	DATE 3-1-76	DWG NO. 2606 9641	
APPROVED BY <i>E. Berglund</i>	DATE 3-1-76		

DRAWING 44-131 25807

180



NOTES:
 1. THESE SIGNAL NAMES MAY VARY FOR EACH DDP APPLICATION.
 2. THE FOLLOWING TABS ARE COMMON TO EACH CARD.
 GND 1A, 1M, 1Z
 Vcc 2A, 2Z

Burroughs Corporation



COMPUTER SYSTEMS GROUP

DOWNINGTOWN PLANT

DOWNINGTOWN, PENNSYLVANIA 19335

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ORDER OR PRIOR WRITTEN
CONSENT

NUMBER

2606 3941

REV

D

TITLE

FIELD INSTALLATION INSTRUCTIONS FOR
LINE PRINTER CONTROL OPTION (B244 SERIES)

PREPARED BY

H. Caswell
H. Caswell
9-8-75

APPROVED BY

B. Dinerman
B. Dinerman
9-8-75

ORIGINAL RELEASE DATE

9-26-75

PAGE 1 OF 4

REVISIONS

LEVEL	DESCRIPTION	DATE	APPROVED
2606 3941	A	Initial Release. <i>ER109 REV09</i>	
	B	Revised per ECN 4448. Templates deleted.	12-2-75 <i>W. Spangler</i> <i>HRC</i>
	C	Revised per ECN 4759. Styles B244-1 thru -6 added.	3-5-76 <i>W. Spangler</i> <i>HRC</i>
	D	Revised per ECN 5369. Style B244-7, -8, -12, & -13 added.	11-8-76 <i>W. Spangler</i> <i>HRC</i>

182

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1. SCOPE

1.1 Scope.- This document defines the instructions for field installation of the following line printer control options:

<u>Style</u>	<u>M&E No.</u>
B244 & B244-7	1448 0362
B244-1 & B244-8	2603 8737
B244-2	2603 8745
B244-3	2603 8752
B244-4	2603 8760
B244-5	2603 8778
B244-6	2601 3391
B244-12	2846 0749
B244-13	2846 0756

1.2 Option items.- The control options consist of the following items:

Quantity	Description	Part No.
1	Circuit Card Assembly PT1	1448 0016
1	Circuit Card Assembly PT2	1448 0032
1	Circuit Card Assembly PT3	See 1.2.1
1	Circuit Card Assembly PT4	1448 0073
2	Connector Assembly	2605 0807
1	Cable Assembly	1448 0370
2	Pan Head Screw	1256 0850
2	Washer	1256 7442
2	Knurled Nut	1101 8124
1	Decal	See 1.2.1
2	Screw (B721 & B776 Processor Only)	2300 4468
1	Conn. Adapter Plate (B721 & B776 Processor Only)	2603 0064



1.2.1 Item variations.- The PT3 circuit card assembly and the decal change for each control style number as follows:

<u>Style No.</u>	<u>CCA Part No.</u>	<u>Decal Part No.</u>
B244 & B244-7	1448 0057	2606 6274
B244-1 & B244-8	2603 8687	2606 6183
B244-2	2603 8695	2606 6191
B244-3	2603 8703	2606 6209
B244-4	2603 8711	2606 6217
B244-5	2603 8729	2606 6225
B244-6	2601 7988	2603 8505
B244-12	2846 0764	2606 7165
B244-13	2846 0772	2606 7173

2. INSTALLATION INSTRUCTIONS

- (a) Insert the four circuit card assemblies into the appropriate DDP backplane locations in accordance with system requirements. Refer to the backplane map contained in the system FT&R documentation package for the specific DDP card locations.
- (b) Assemble the two connector assemblies to the frontplane connector end of the following pairs:
 - PT1 and PT2
 - PT3 and PT4
- (c) On the insertion side of the backplane, attach the 50-pin connector end of the cable assembly which has the strain relief bracket to the appropriate I/O connector.
- (d) Secure the 50-pin connector on the other end of the cable assembly as follows:
 - (1) On all processors other than the B721 and B776 processors, attach connector to location J24 on the adapter panel, using pan head screws and washers provided.
 - (2) On the B721 and B776 processors, attach connector to connector adapter plate (2603 0064) using pan head screws, knurled nuts, and washers provided; then attach plate, with connector attached, to logic memory card rack on the insertion side and opposite locations EJ1 thru EJ7, using two screws (2300 4468) provided. If the control is installed in the I/O Expansion, attach plate to the card insertion side of the card rack opposite the I/O connectors using the two screws (2300 4468) provided.

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SMALL SYSTEMS GROUP

DOWNINGTOWN PLANT
DOWNINGTOWN, PENNSYLVANIA 19335



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NUMBER

2606 3941

REV

D

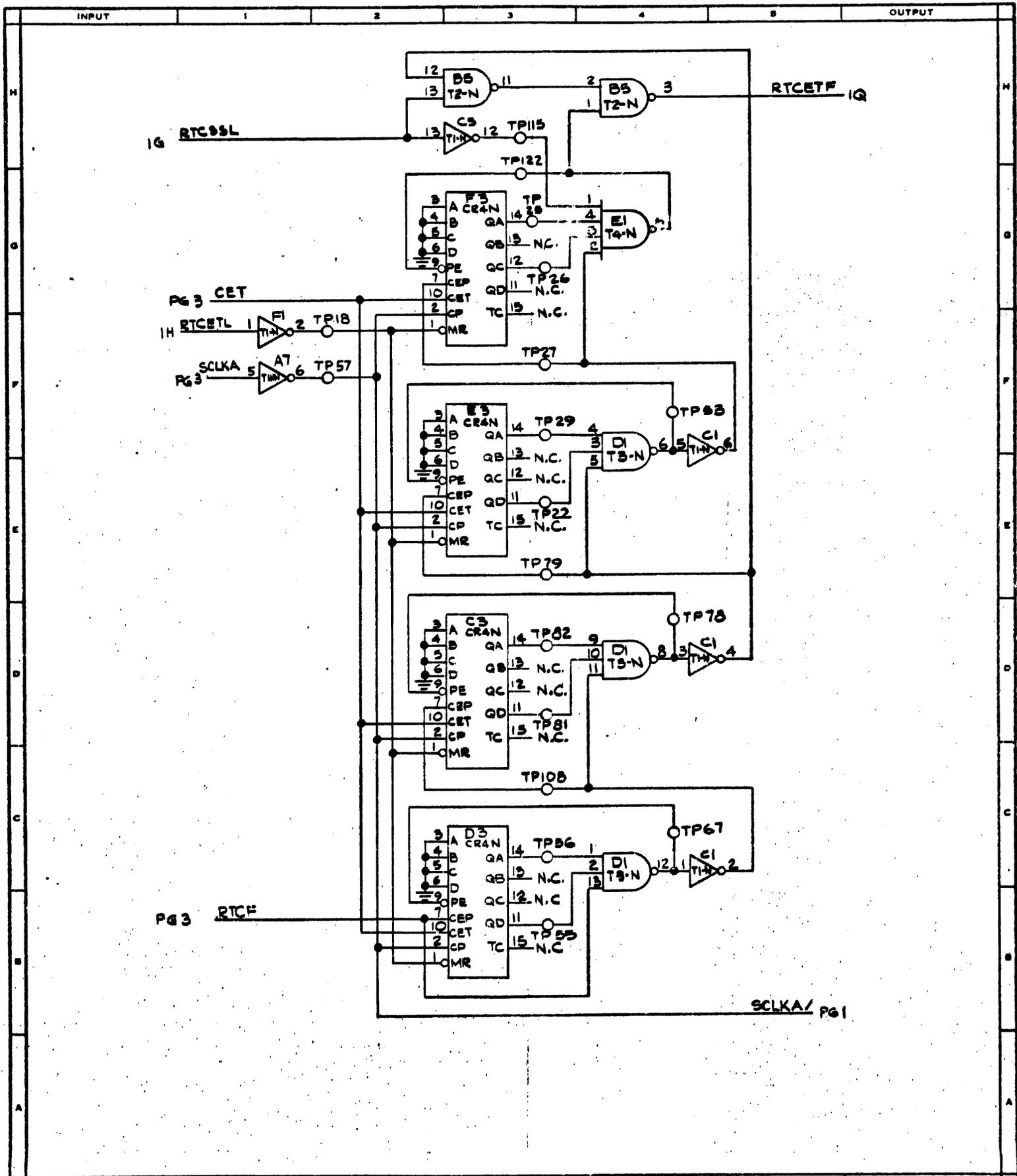
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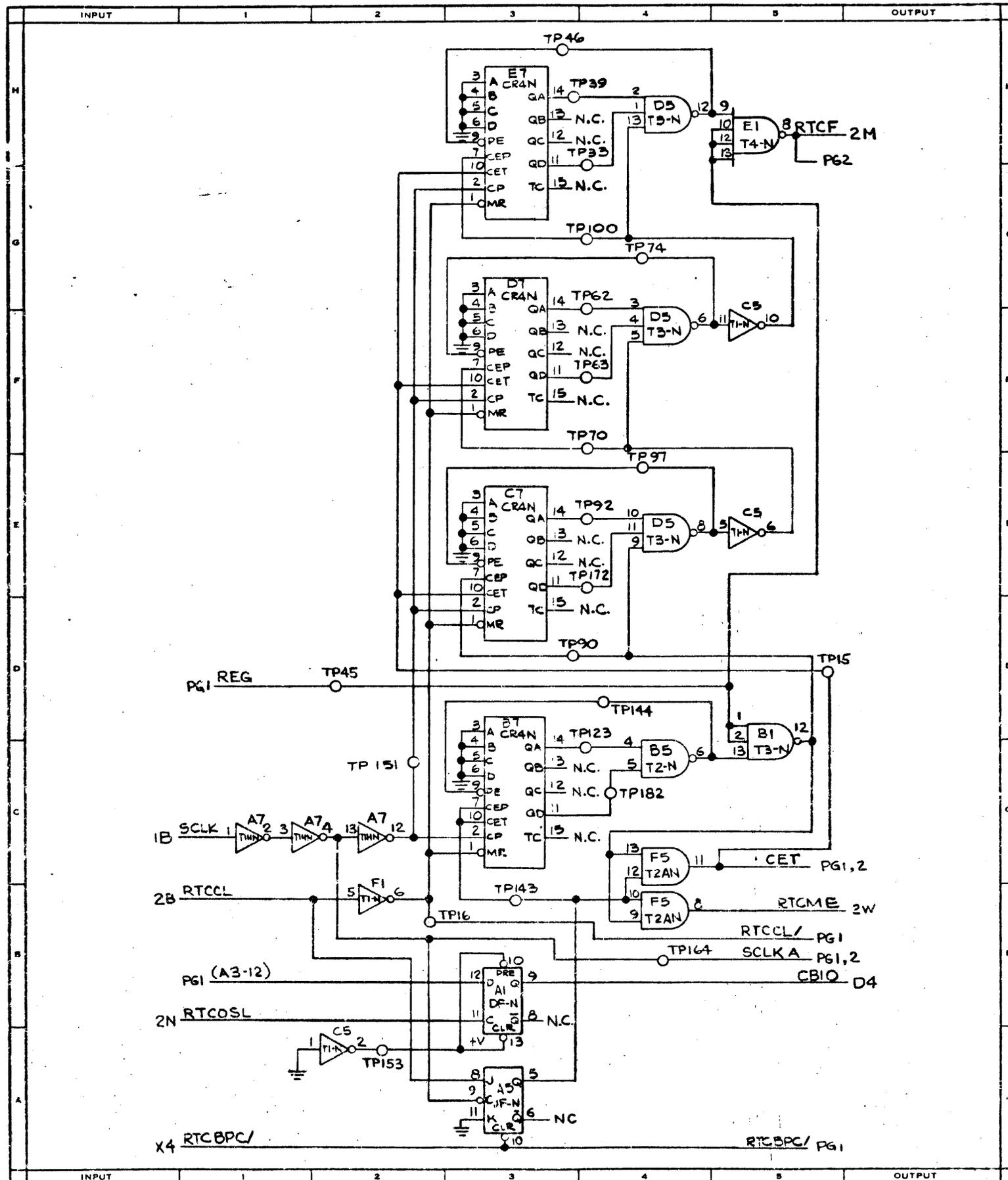
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OF

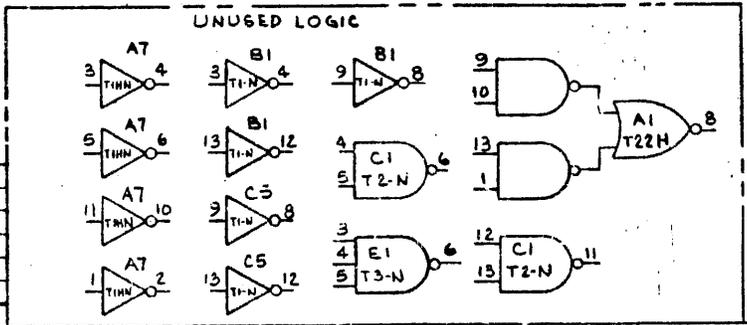
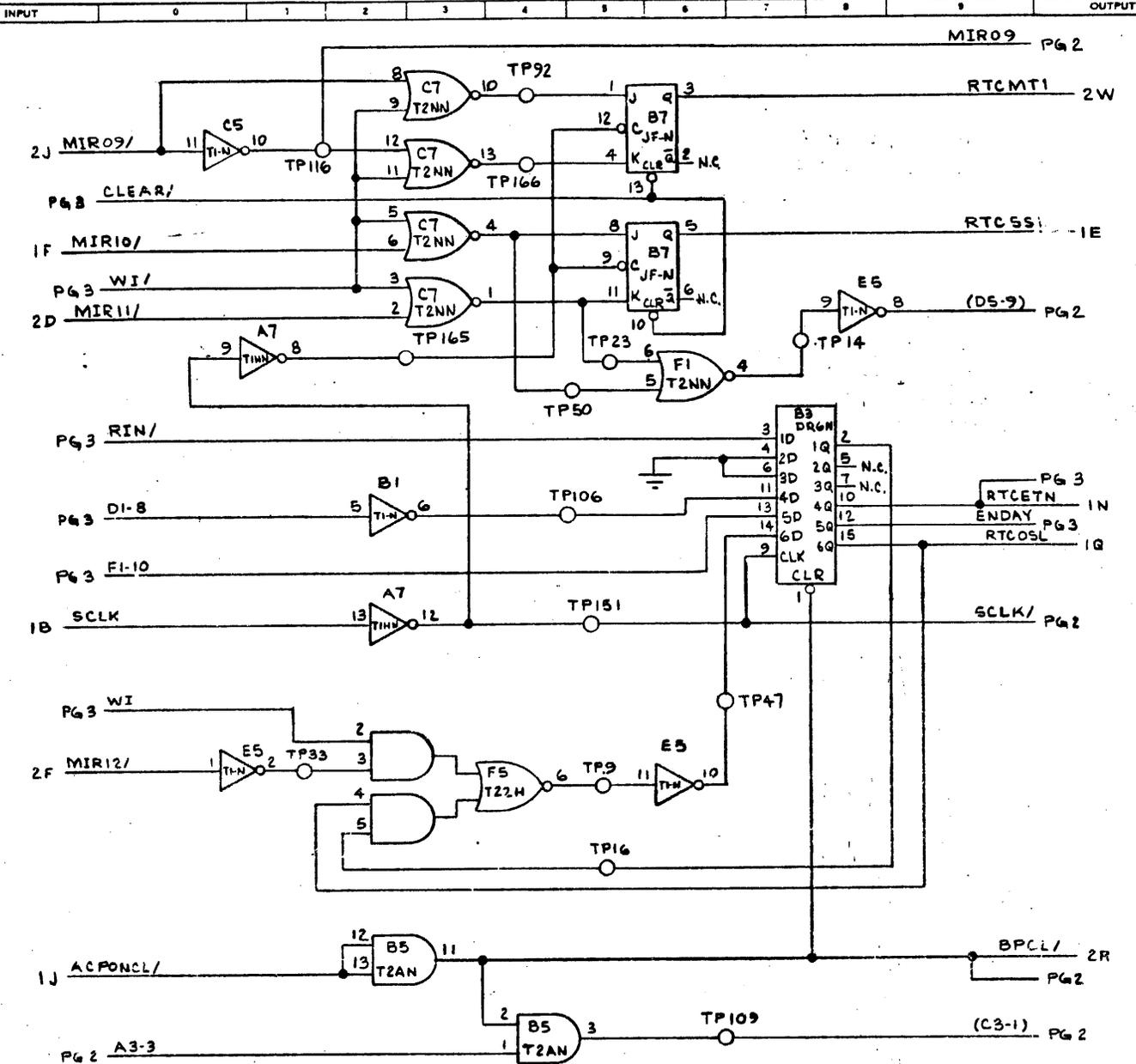
4

- (e) Affix the decal which identifies the control and its serial number to the configuration plate in the space for the DDP location which uses this control option.
- (f) Option installation is now complete.





SCHMATIC

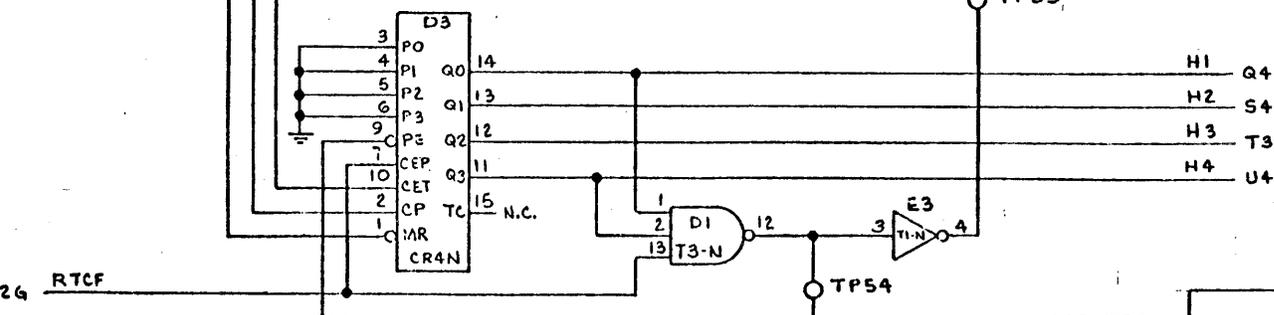
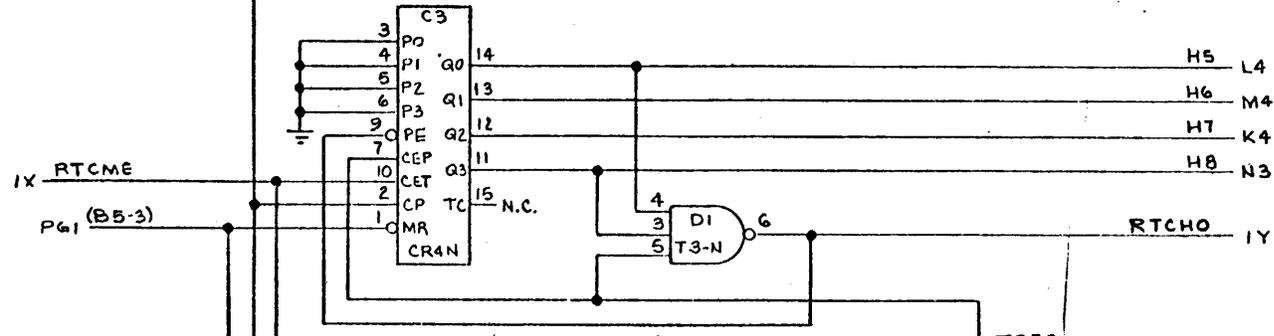
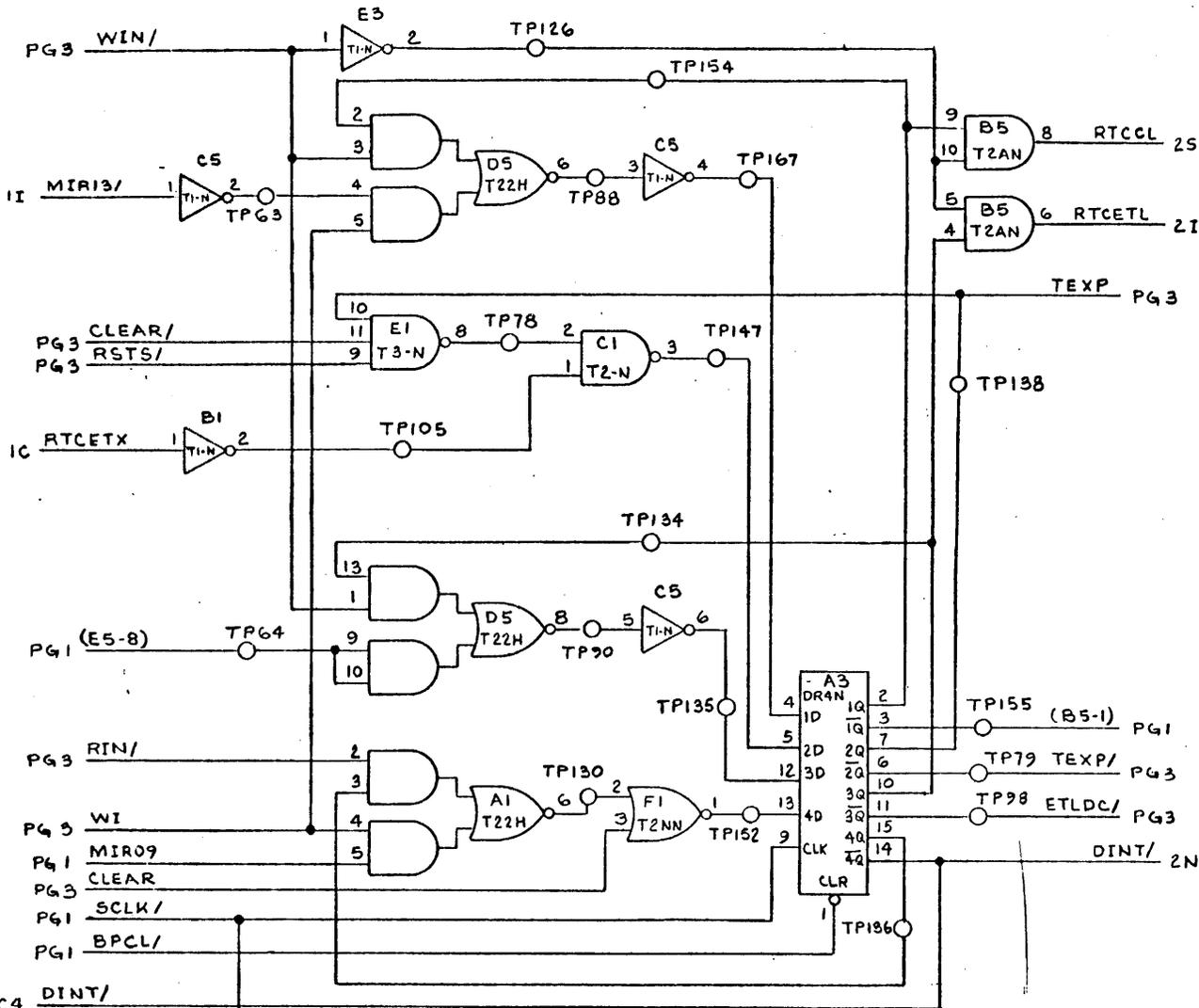


CODE	PART NO.	QTY	CODE	PART NO.	QTY
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T2NN	2600 4911	2	DR6N	1449 127B	1
T2AN	1447 3524	1	DCBN	1449 2581	1
T2-N	1447 3516	1	DR6N	1449 1260	1
T1H-N	1479 7971	1	CR4N	1447 3771	2
T1-N	1447 3532	4	T22H	2603 759B	4

188 Burroughs Corporation COMPLETE SYSTEMS GROUP DOWNTOWN PLANT DOWNTOWN PA 19325 U.S. AMERICA		TITLE: RTC1 DRAWN: J. SCHLENNER CHECKED: [Signature] DATE: 1-17-75		DESIGN OR ENH: [Signature] APPROVED: [Signature] DATE: 4-2-75		NUMBER: 2604 3745 REV: A PAGE 1 OF 3	
2603 3145 188 REV 9-75		DIVISION: [Signature] DATE: 2-11-75		3 2 1 PG. NO. 3 A A REV		CC2-9520 PRINTED IN U.S.A. 188	

SCHEMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



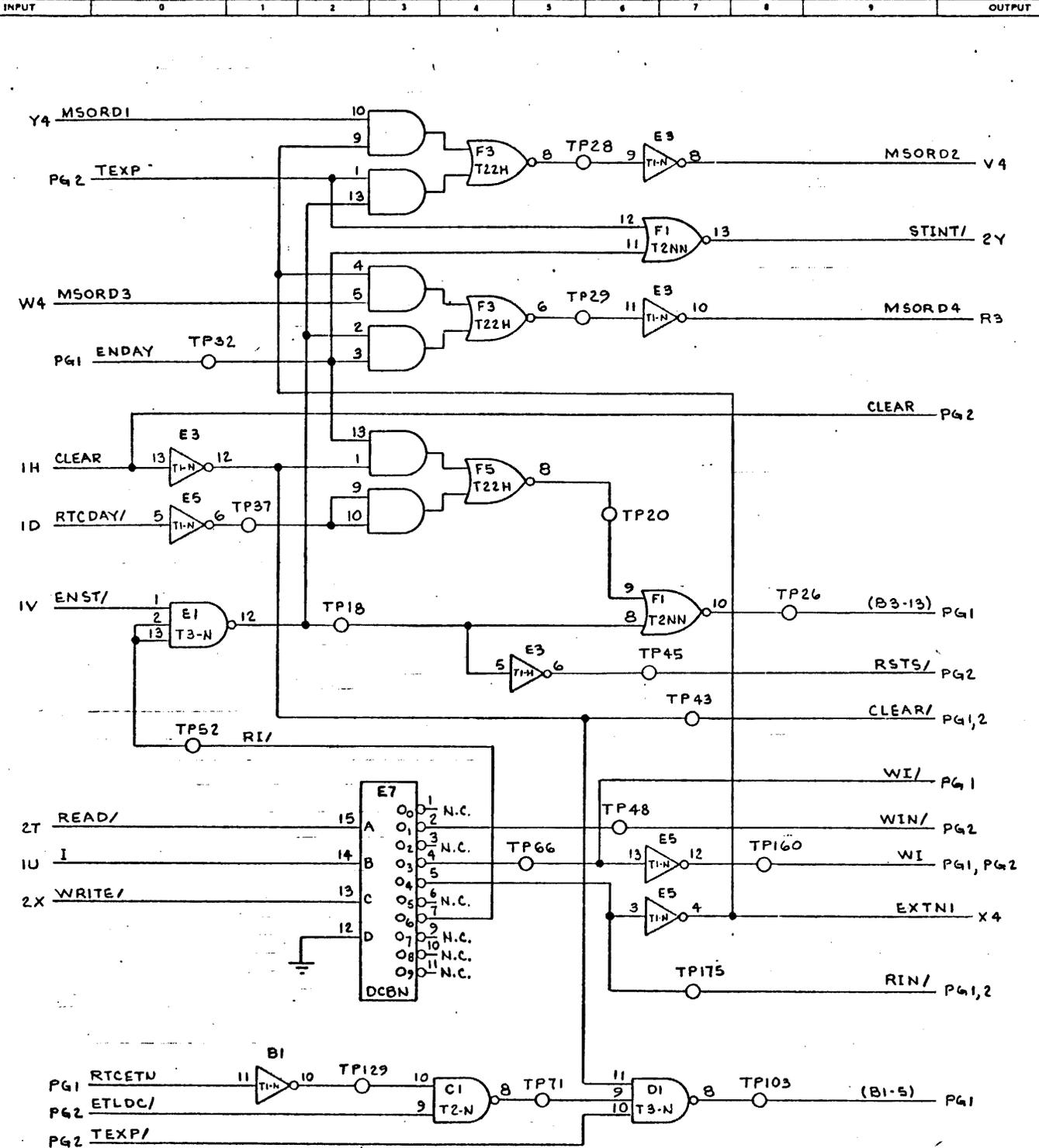
CC2-9520

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

2604 3745 Burroughs Corporation COMPUTER SYSTEMS GROUP DOWNTOWN PLANT DOWNTOWN PA 19335 U.S. AMERICA PARTS OF BURROUGHS CORP. - NOT TO BE REPRODUCED OR USED FOR MANUFACTURING PURPOSES EXCEPT BY BURROUGHS OR BY AUTHORIZED LICENSEES	TITLE RTC1		NUMBER 2604 3745	REV. A
	DRAWN J. SCHLENNER	DATE 1-17-75	DESGN OR ENGR J. Schlenner	DATE 4-7-75
	CHECKED P. Kelly	DATE 2-11-75	APPROVED S. R. ...	DATE 4-7-75
	REVISIONS: A 12/20/75		PAGE 2 OF 2	

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SCHEMATIC

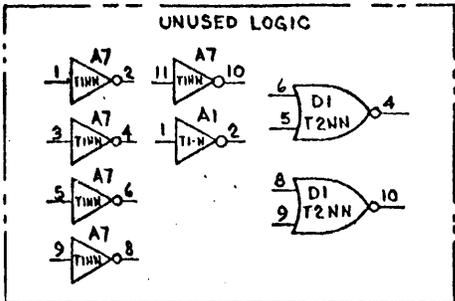
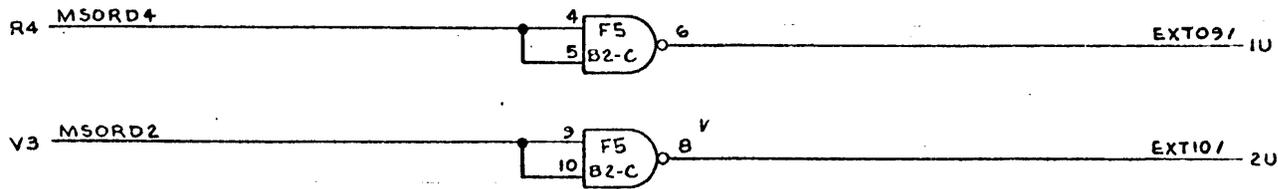
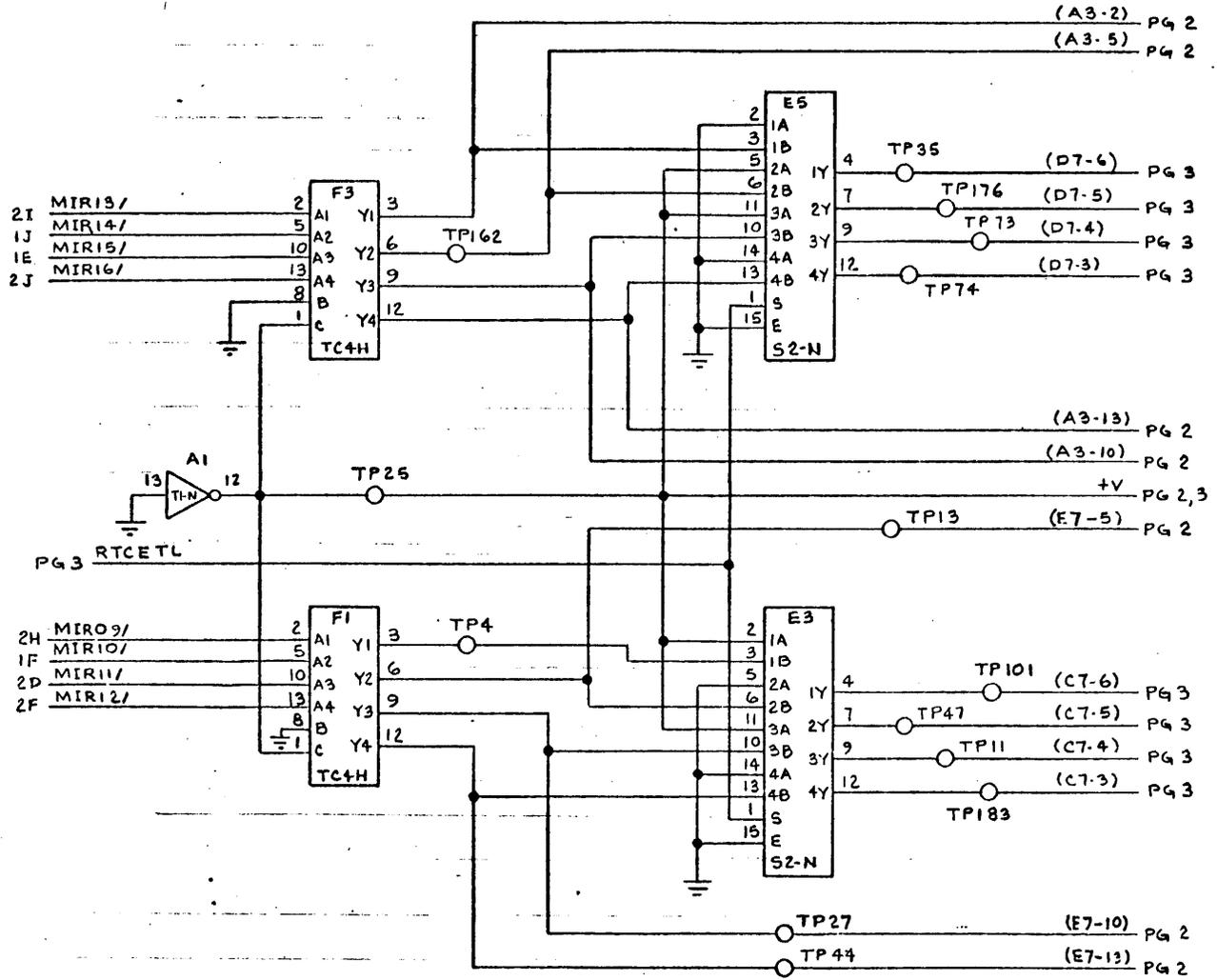


CC2-9520

2604 3745	190 Burroughs Corporation		TITLE RTC1	NUMBER	REV
	COMPUTER SYSTEMS GROUP DOWNINGTOWN PA 19345			2604 3745	A
	DOWNINGTOWN PLANT US AMERICA			DATE	DATE
PROPERTY OF BURROUGHS - NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT WRITTEN PERMISSION		DATE	DATE	DATE	DATE
DRAWN J. SCHLUNGER CHECKED P.E. Kelly DATE 1-17-75 2-11-75		DESIGN OR ENGR DATE 4-2-75 APPROVED DATE 4-7-75		PAGE 3 OF	190

SCHEMATIC

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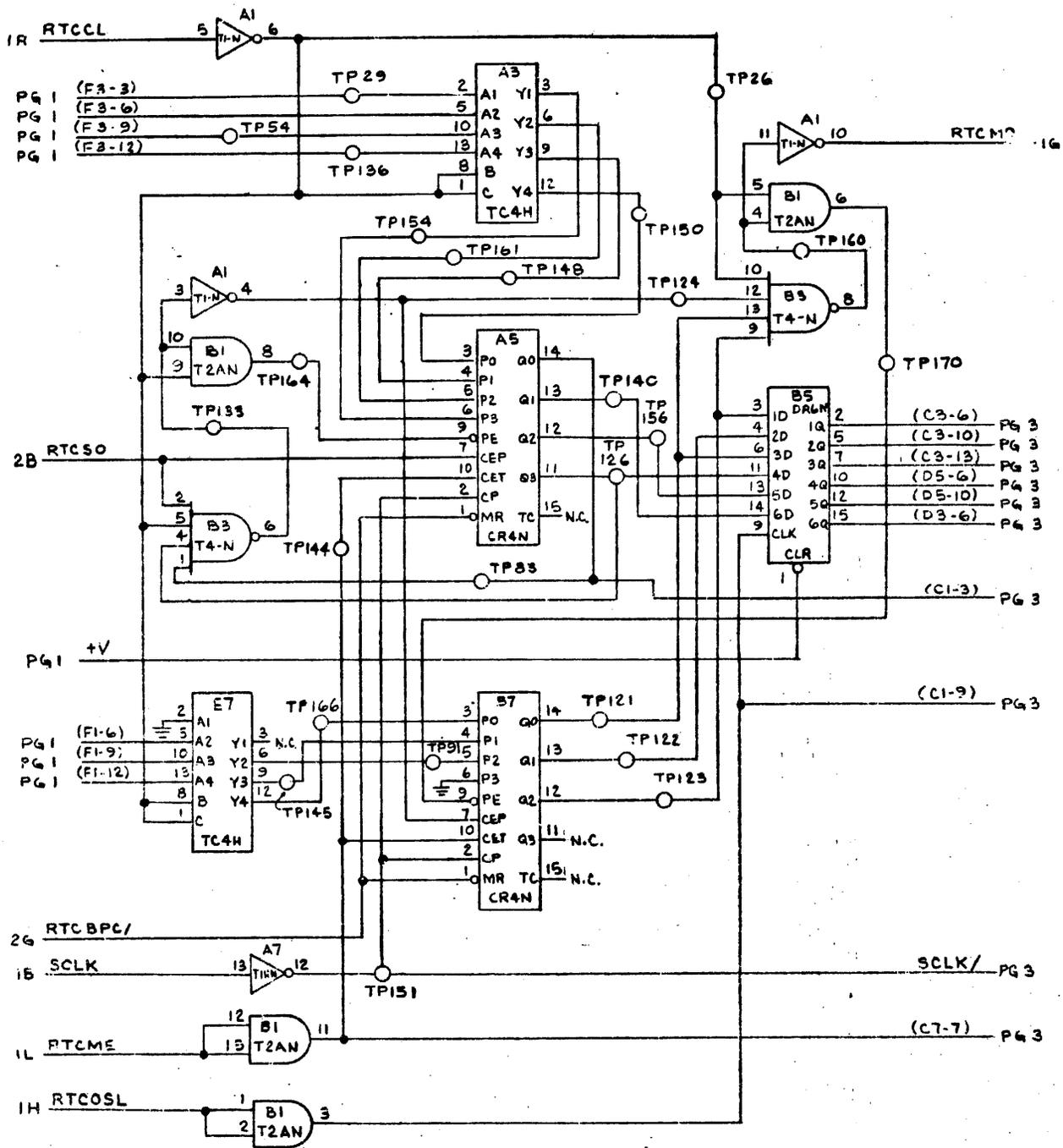


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T4-N	1447 3565	1	DR6N	1449 1260	2
B2-C	1447 3581	2	CR4N	1447 3771	4
T2AN	1447 3524	1	S2-N	1447 3797	3
NN	2600 4911	1	S4-N	1447 3714	2
NN	1479 7971	1	TC4H	2673 7606	4
T1-N	1447 3532	1			
CCDE	PART NO.	QTY	CODE	PART NO.	QTY

CC 2-9520

2604 3778	Burroughs Corporation		COMPUTER SYSTEMS GROUP		DOWNTOWN PLANT		DOWNTOWN PLANT		DOWNTOWN PLANT		DOWNTOWN PLANT				
	DOWNTOWN PLANT		DOWNTOWN PLANT		DOWNTOWN PLANT		DOWNTOWN PLANT		DOWNTOWN PLANT		DOWNTOWN PLANT				
	DOWNTOWN PLANT		DOWNTOWN PLANT		DOWNTOWN PLANT		DOWNTOWN PLANT		DOWNTOWN PLANT		DOWNTOWN PLANT				
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TITLE				RTC2				NUMBER		2604 3778		REV		A	
DRAWN		DATE		DESIGN OR ENGR		DATE		CHECKED		DATE		APPROVED		DATE	
J. SCHLENNER		1-15-75		E. J. TRIMBLE		4-7-75		P. J. TRIMBLE		2-19-75		E. J. TRIMBLE		4-7-75	
PAGE 1 OF 3				191				3 2 1 PG NO		A A A REV					

SCHMATIC

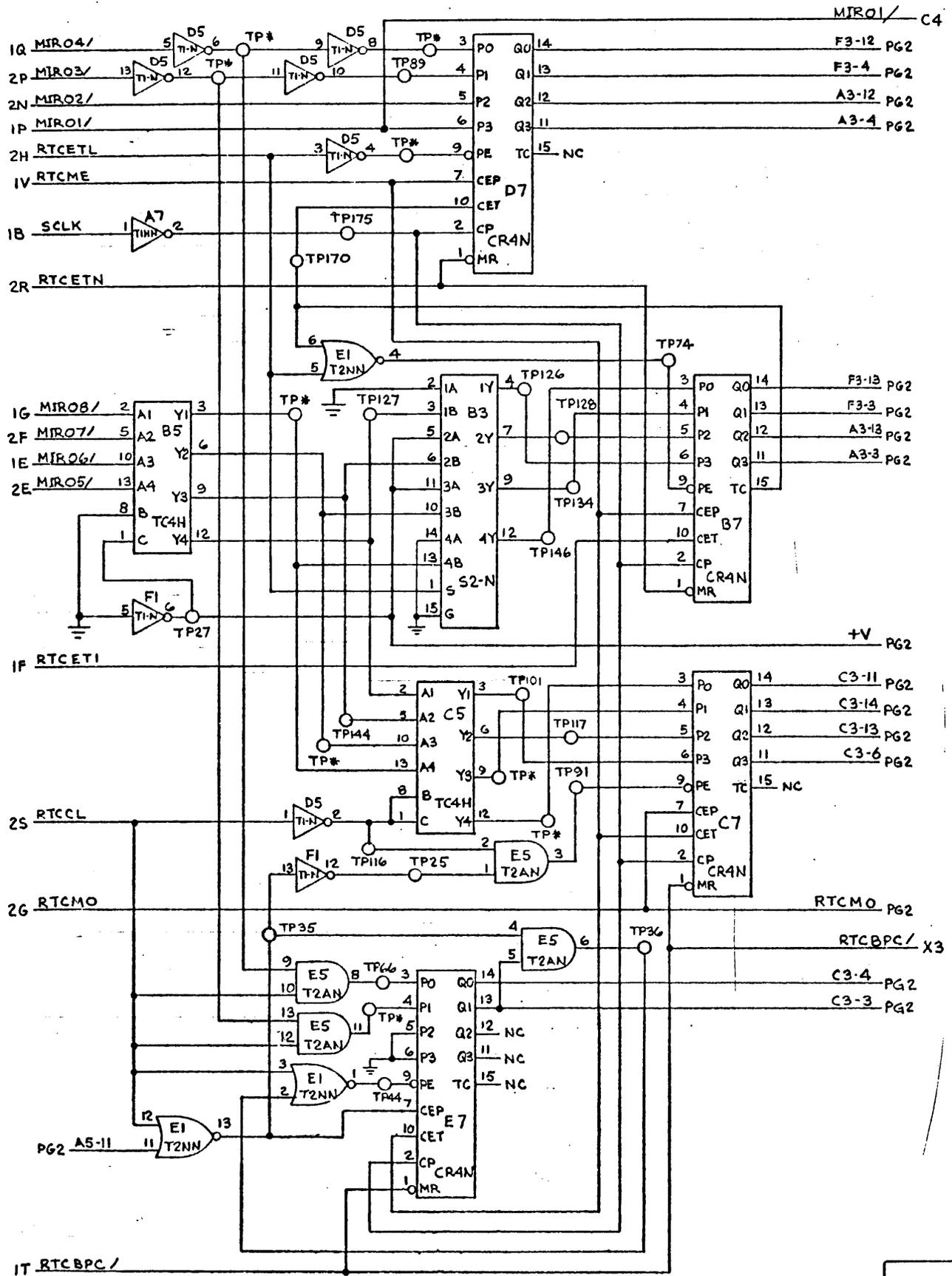


CC2-9520

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REV.	TITLE RTC2 DRAWN J. SCHLENNER 1-14-74 DATE 4-7-75 CHECKED P. L. BLOOM 2-19-75 DATE 4-7-75										
NUMBER	2604 3778 A										
REV.	PAGE 2 OF										

SCHEMATIC

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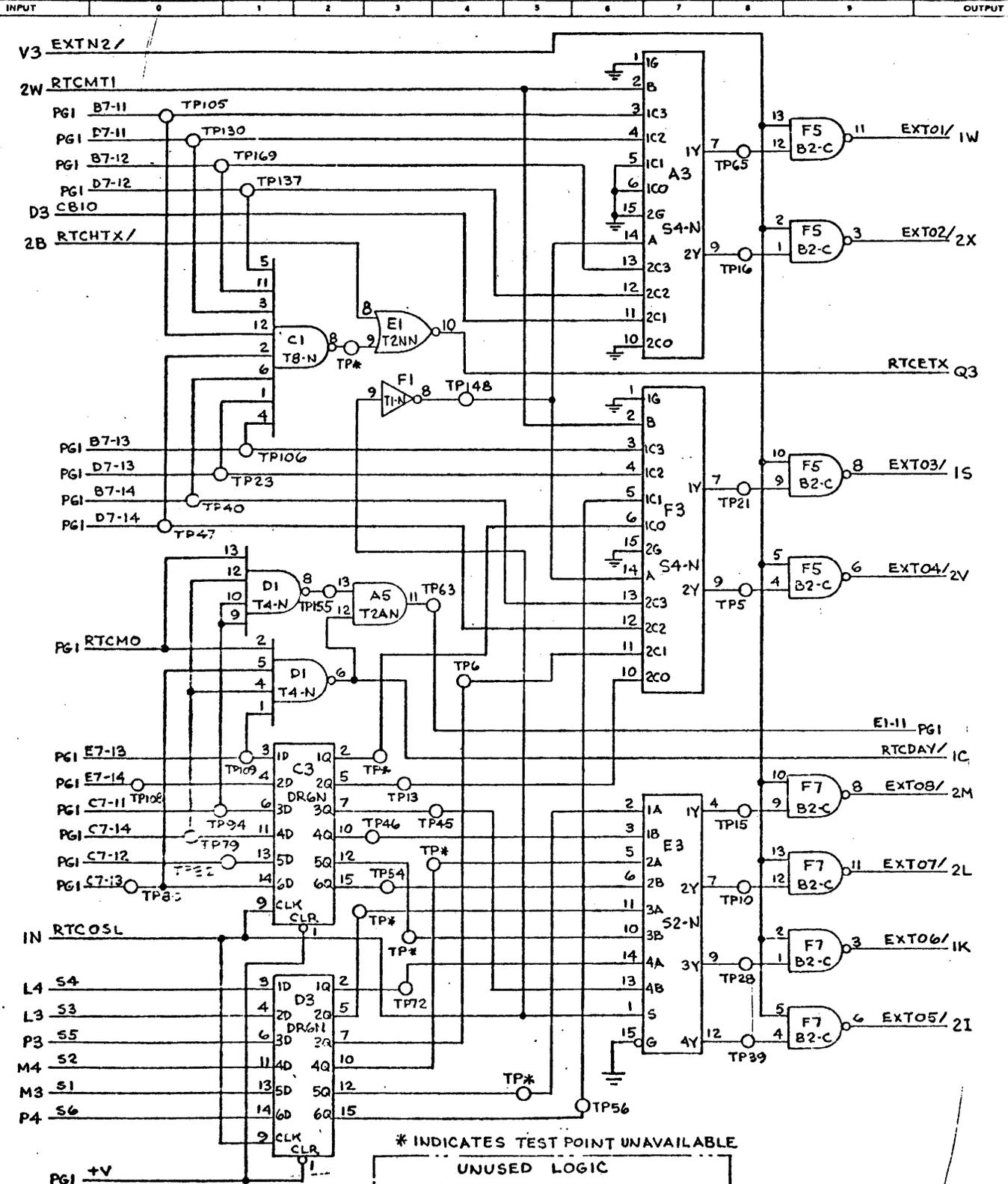
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 194 Burroughs Corporation
 COMPUTER SYSTEMS GROUP
 DOWNINGTOWN PLANT
 DOWNINGTOWN, PA. 19335
 U.S. AMERICA
 PROPERTY OF BURROUGHS CORP. NOT TO BE REPRODUCED OR USED FOR MANUFACTURING PURPOSES WITHOUT BURROUGHS WRITTEN CONSENT

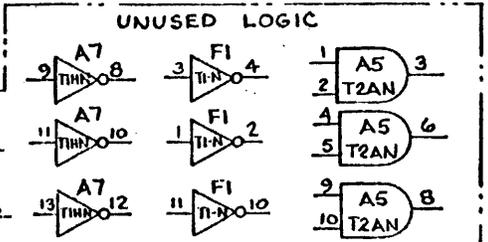
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 1 REL 377
 2 E5555
 3 E5555
 4
 TITLE: RTC3
 DRAWN: C. B. GILBERT
 CHECKED: P. J. ALBY
 DATE: 1-21-75
 DATE: 2-5-75
 DESIGN OR ENGR: J. J. P.
 APPROVED: E. J. GILBERT
 DATE: 4-27-75

NUMBER: 2604 3802
 REV: A
 PAGE: 1 of 2
 194

SCHEMATIC



* INDICATES TEST POINT UNAVAILABLE



T4-N	1447 3565	1	TC4H	2603	606	2
B2-C	1447 3581	2	DR6N	1447	300	2
T2NN	2600 4911	1	CR4N	1447	371	4
2AN	1447 3524	2	S4-N	1447	374	2
T1-N	1447 3532	2	S2-N	1447	377	2
T1NN	1479 7971	1	T8-N	1447	373	1
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CC2-9520

TITLE RTC 3	DRAWN C.L. BISCHOFF	DATE 1-21-75	DESIGNER/ENGR P.L. [Signature]	DATE 1-6-75	APPROVED E. [Signature]	DATE 4-2-75	NUMBER 2604 3802	REV A	
Burroughs Corporation								PAGE 2 OF	

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Burroughs Corporation



COMPUTER SYSTEMS GROUP

DOWNINGTOWN PLANT

DOWNINGTOWN, PENNSYLVANIA 19335

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PURPOSES EXCEPT ON BURROUGHS
ORDER OR PRIOR WRITTEN
CONSENT.

NUMBER

2604 8694

REV

C

TITLE

FIELD INSTALLATION INSTRUCTIONS FOR
REAL TIME CLOCK CONTRL OPTION (B306-3)

PREPARED BY

H. Caswell
H. Caswell 9/8/75

APPROVED BY

B. Dinerman 9-8-75
B. Dinerman

ORIGINAL RELEASE DATE

9-26-75

PAGE

1 OF 2

REVISIONS

LEVEL	DESCRIPTION	DATE	APPROVED
A	Initial Release <i>ER109REV09</i>		
B	Revised per ECN 4448. Template deleted.	12-3-75	<i>W. Spingler</i> <i>W/S</i>
C	Revised per ECN 4595. Corrected style no. from "B366-3" to "B306-3".	12-12-75	<i>W. Spingler</i> <i>W/S</i>

2604 8694

198

198



1. SCOPE

1.1 Scope.- This document defines the instructions for field installation of the B306-3 real time clock control option, M&E No. 2604 8603.

1.2 Option items.- The B306-3 control option consists of the following items:

Quantity	Description	Part No.
1	Circuit Card Assembly RTC1	2604 3729
1	Circuit Card Assembly RTC2	2604 3752
1	Circuit Card Assembly RTC3	2604 3786
1	Circuit Card Assembly RTC4	2604 3687
2	Connector Assembly	2605 0807
1	Decal	2604 8602

2. INSTALLATION INSTRUCTIONS

- (a) Insert the four circuit card assemblies into the appropriate DDP backplane locations in accordance with system requirements. Refer to the backplane map contained in the system FT&R documentation package for specified DDP card locations.
- (b) Attach the two connector assemblies to the frontplane connector end of the following card pairs:
 - RTC1 and RTC2
 - RTC3 and RTC4
- (c) Affix the decal to the configuration plate in the space for the DDP location which uses this control option.
- (d) Option installation is now complete.

003

WIRE NO.	CONDUCTOR		FROM			TO			REMARKS	WIRE NO.	CONDUCTOR		FROM			TO			REMARKS
	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION			SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	
1	24	GRAY	P1	37	14720726	P2	9/42	4720726	LCXDTIND	26									
2			A	39			4/47		LCRDTIND	27									
3				43			13/38		EØIND2	28									
4				44			7/44		EØERIND	29									
5				47			21/30		EØIND4	30									
6				50		P2	11/40	14720726	EØIND1	31									
7				29		P3	15	11016359	KBEN	32									
8				35			2		DIN/	33									
9				46			3		DØUT/	34									
10				49			7		GND	35									
11			P1	49	14720726		20		DTR	36									
12			P3	4	11016359		5		RTS	37									
13			P3	6	11016359		18		DMØ	38									
14	24	GRAY	P3	8	11016359	P3	24	11016359	ONLINE-TCØMM.	39									
15										40									
16										41									
17										42									
18										43									
19										44									
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22										47									
23										48									
24										49									
25										50									

NOTES:
1. FOR ASSEMBLY SEE 2604 3414

200

DRAWN
P. HICKMAN 2-28-75
CHECKED
D. E. KOSWILL 3-6-75
DESIGN OR ENGR
DATE
APPROVED
DATE

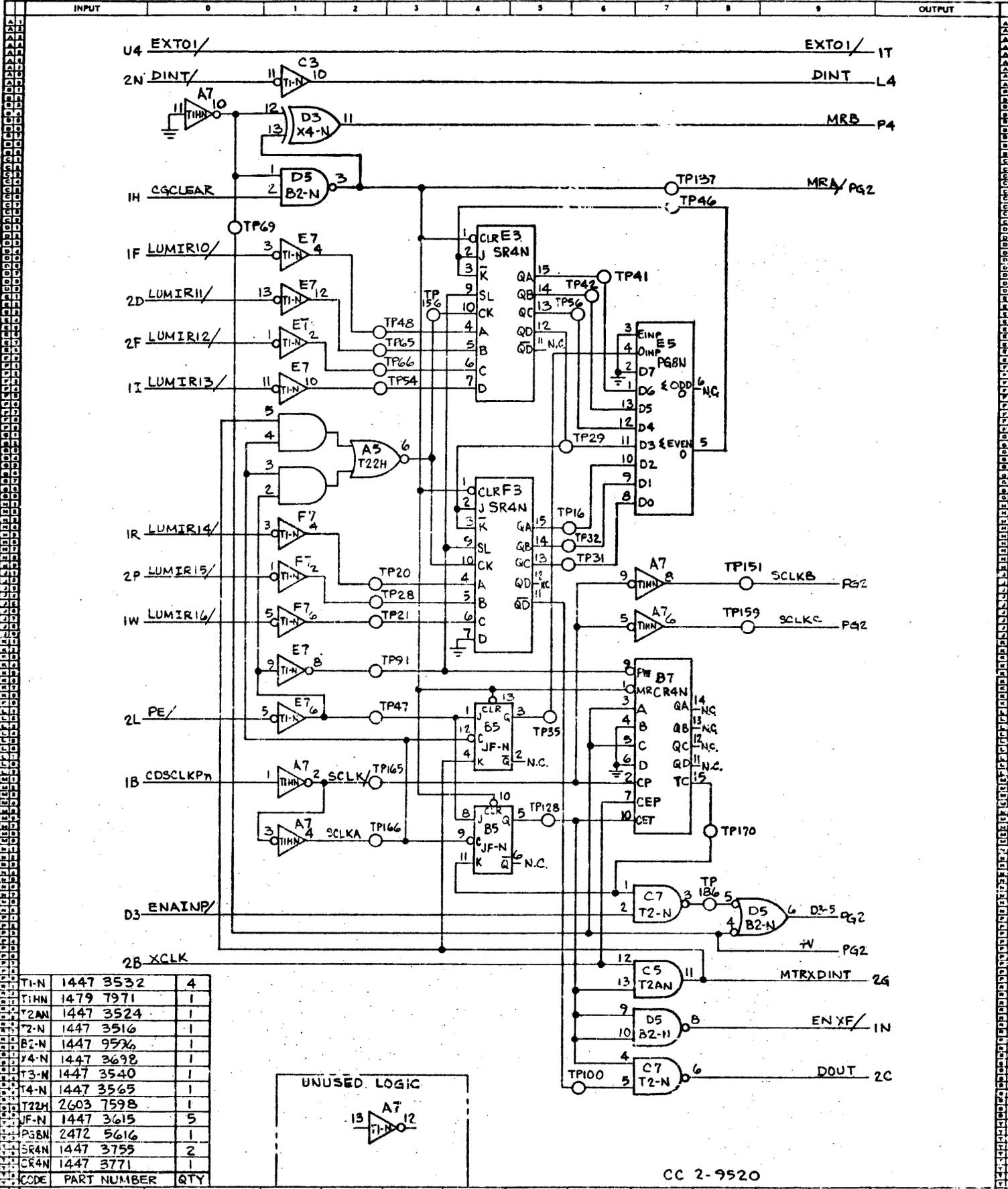
Burroughs Corporation
COMPUTER SYSTEMS GROUP
DOWNTOWN PLANT
U.S. AMERICA

TITLE
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TC 4201 SFD ADAPTER CABLE

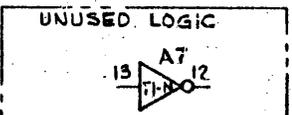
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1 of 1 2604 3471

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SCHEMATIC



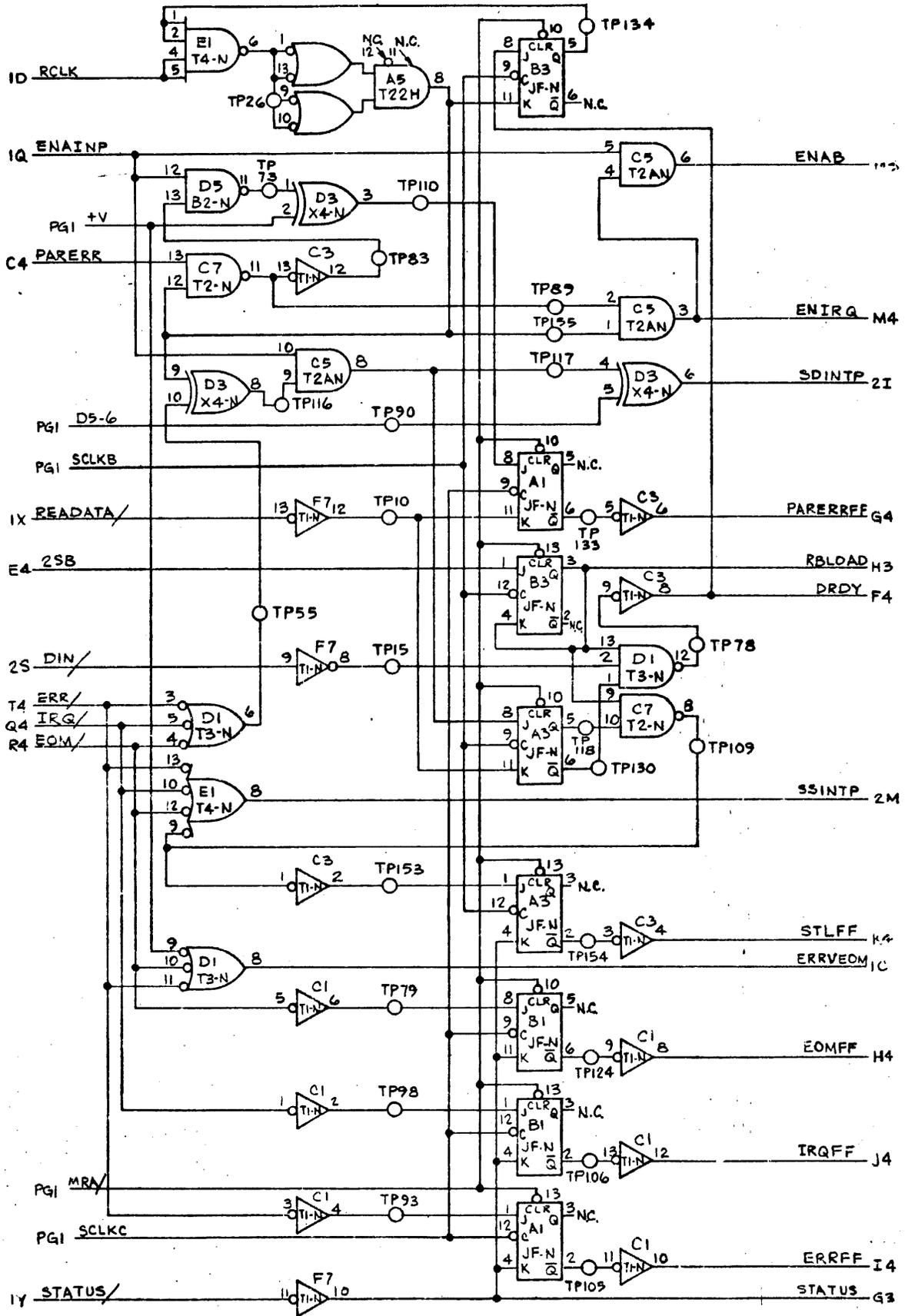
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T2-N	1447 3516	1
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T4-N	1447 3698	1
T3-N	1447 3540	1
T4-N	1447 3565	1
T22H	2603 7598	1
JF-N	1447 3615	5
P38N	2472 5616	1
SR4N	1447 3755	2
CR4N	1447 3771	1



CC 2-9520

Burrhoughs Corporation	COMPUTER SYSTEMS GROUP DOWNTOWN PLANT DOWNTOWN PA 19335	U.S. AMERICA	SP1	NUMBER 2604 1863
<small>PROPERTY OF BURROUGHS CORP. NOT TO BE REPRODUCED OR USED FOR ANY PURPOSES WITHOUT WRITTEN PERMISSION FROM BURROUGHS CORPORATION</small>	<small>REVISIONS</small> <small>RELEASED</small> <small>TEMP</small>	<small>DATE</small> <small>1-29-75</small>	<small>DATE</small> <small>2-20-75</small>	<small>DATE</small> <small>2/25/75</small>
<small>APPROVED</small> <small>CL. BECHOFF</small>			<small>DATE</small> <small>2/25/75</small>	
<small>PAGE</small> 1 <small>OF</small> 2				<small>REV</small> A

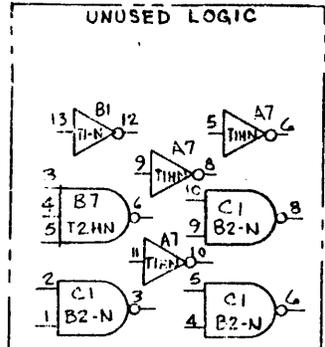
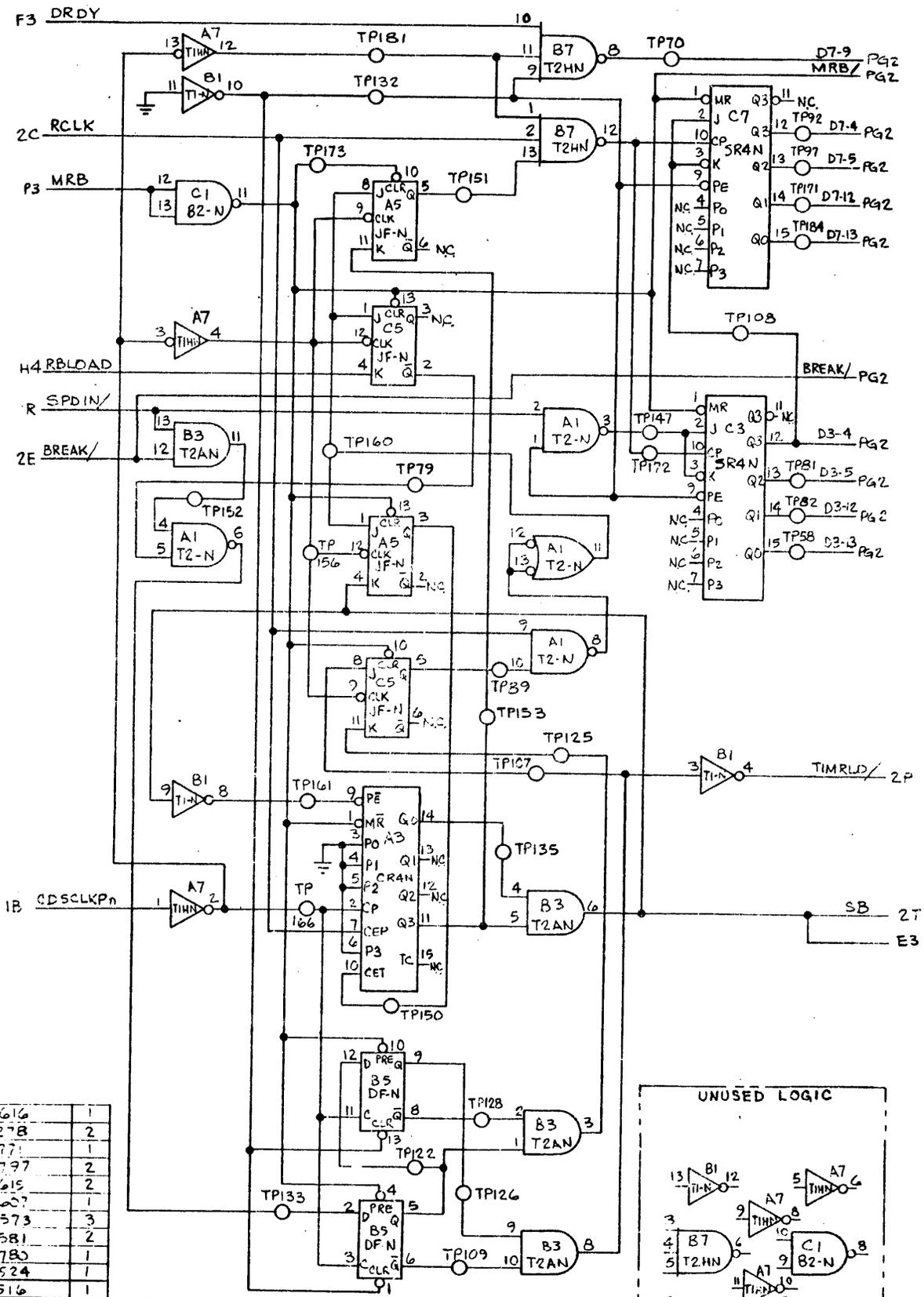
SCHMATIC



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COMPUTER SYSTEMS GROUP	DOWNTOWN PLANT										
DOWNTOWN PA 19305	U.S. AMERICA										
PROPERTY OF BURROUGHS CORP. - NOT TO BE REPRODUCED NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT	REVISED	RELEASED	EXP. DATE	TITLE SF1				NUMBER 2604 1863	REV A		
				DESIGNED	DATE	DESIGNED ENGR	DATE				
				CHECKED	DATE	APPROVED	DATE				
				CL. B. SCHOFF	2-20-75	G. J. J. J. J.	8-25-75				
								PAGE 2 OF			

SCHMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



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SR4N	449	1278	2
JK	1447	3771	1
JK	1447	3797	2
JF-N	1447	3615	2
JF-N	1447	3607	1
JK	447	3573	3
JK	1447	3581	2
JK	1436	8780	1
JK	1447	3524	1
JK	1447	3516	1
JK	447	7921	1
JK	1447	3522	1

JK-N	1447	9596	1
SR4-N	1447	3755	2

CC 2-9520

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

Burroughs Corporation

18 SYSTEMS GROUP DOWNINGTOWN PLANT
PHILADELPHIA, PA. 19103 U.S.A.

TITLE SP2 NUMBER 2604 1897 REV B

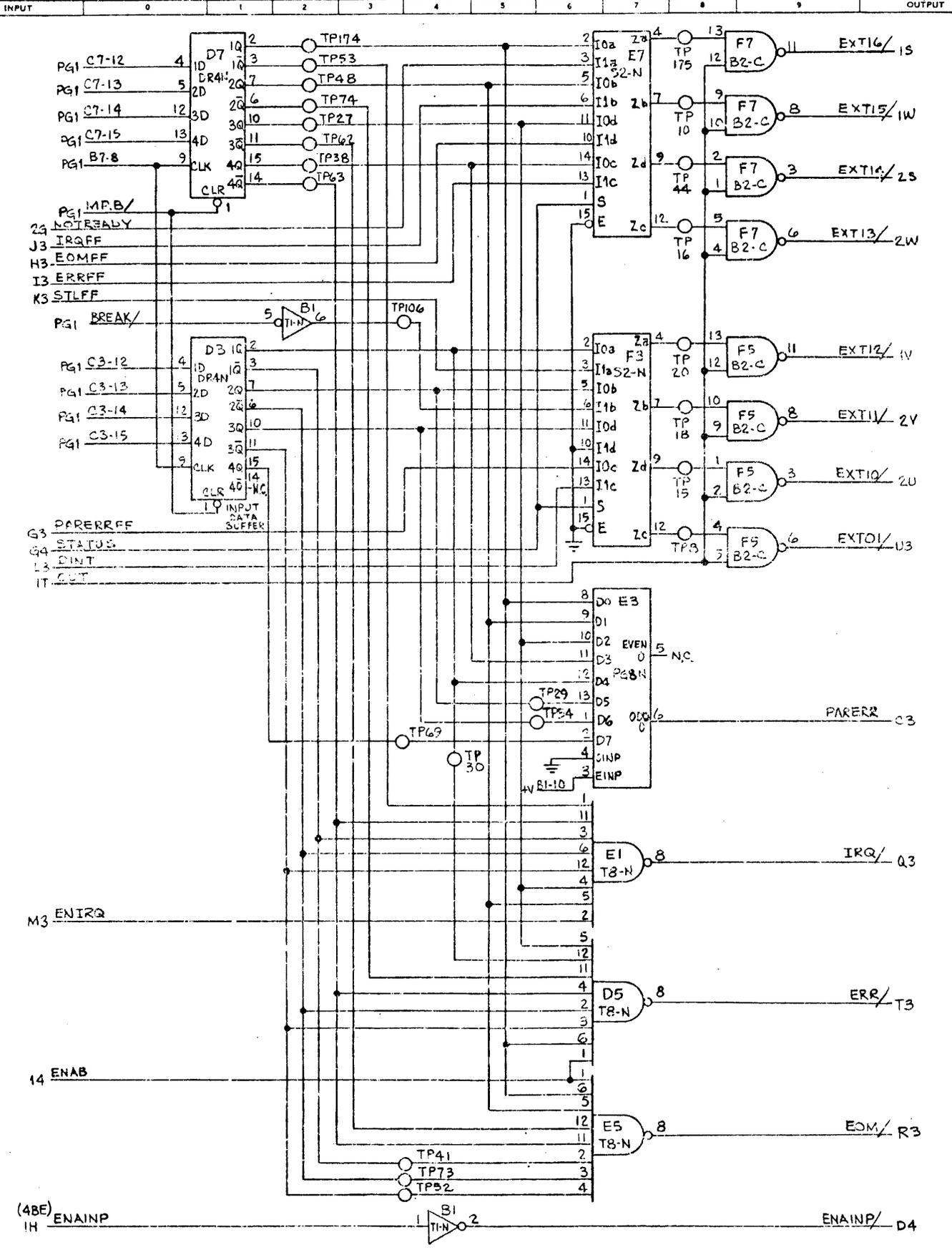
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DESIGNED BY [Signature] DATE 1-9-75

APPROVED [Signature] DATE 1-25-75

PAGE 1 OF 2

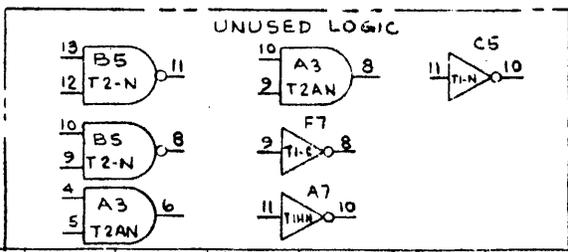
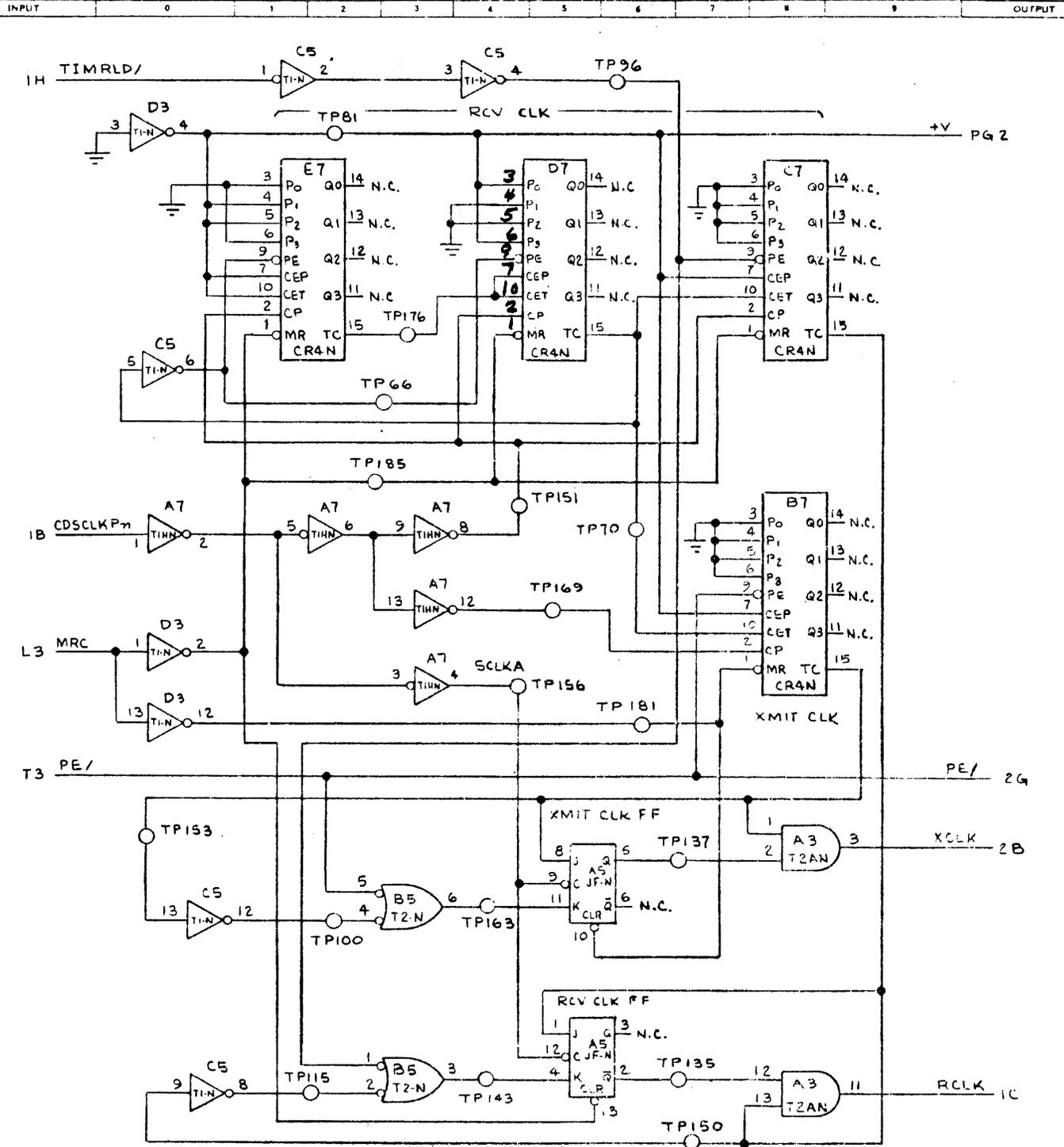
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SCHMATIC



CR4N	447 3771	4
SS-N	447 3706	2
JF-N	447 3615	1
T2AN	447 3524	1
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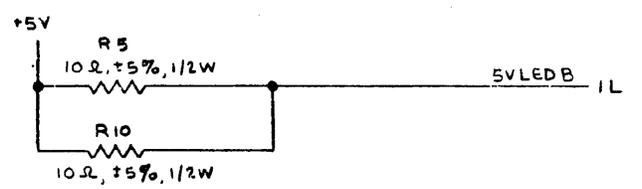
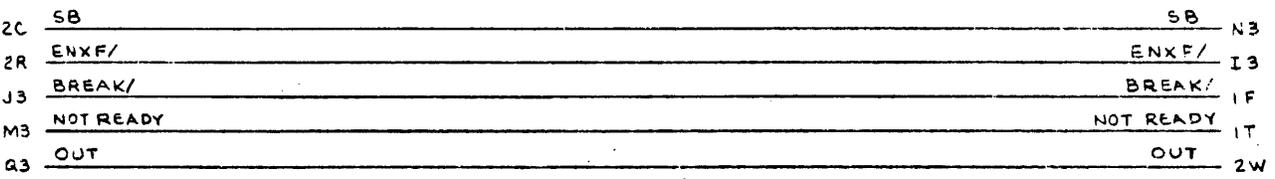
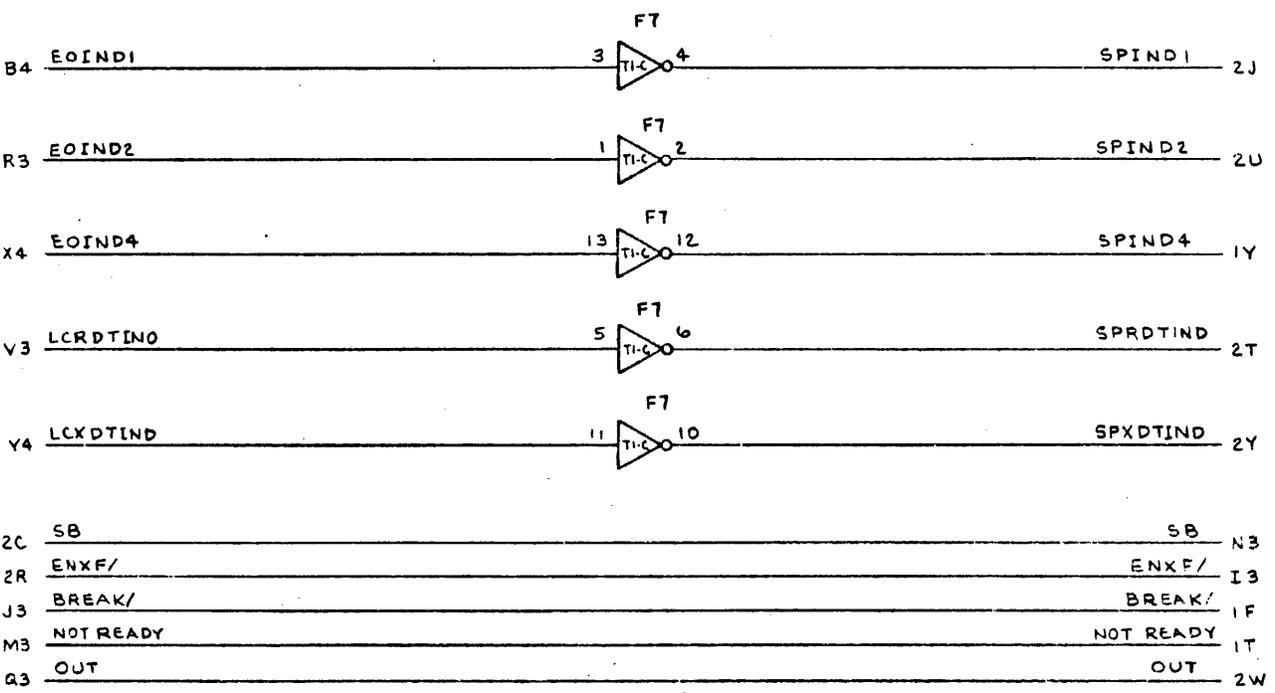
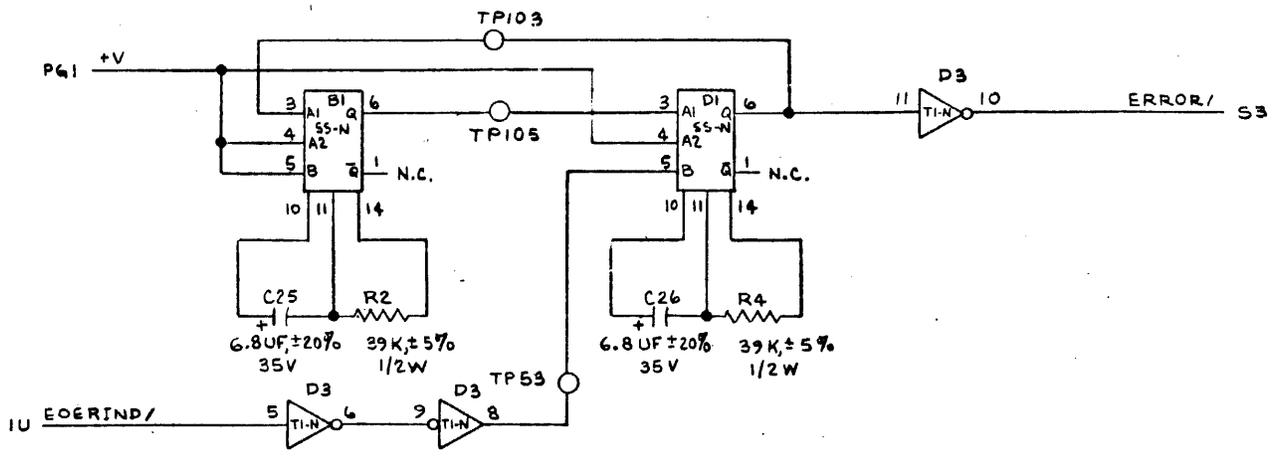
CC 2-9520

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PROPERTY OF BURROUGHS CORP. NOT TO BE REPRODUCED OR USED IN ANY MANNER WITHOUT WRITTEN CONSENT OF BURROUGHS CORPORATION.				REVISIONS:		APPROVED:		DATE:	
104 1721				21 PLS NO		815 REV		PAGE 1 OF 2	

205

SCHMATIC

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CC2-9520

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206 Burroughs Corporation
 COMPUTER SYSTEMS GROUP DOWNINGTOWN PLANT
 DOWNINGTOWN PA 19335 U.S. AMERICA

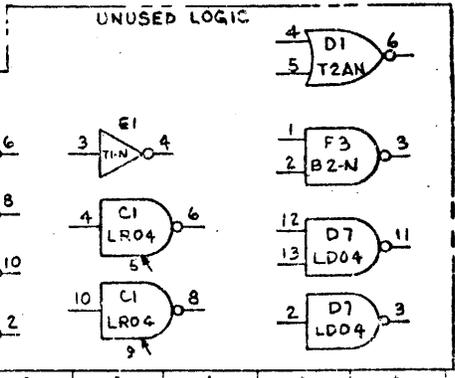
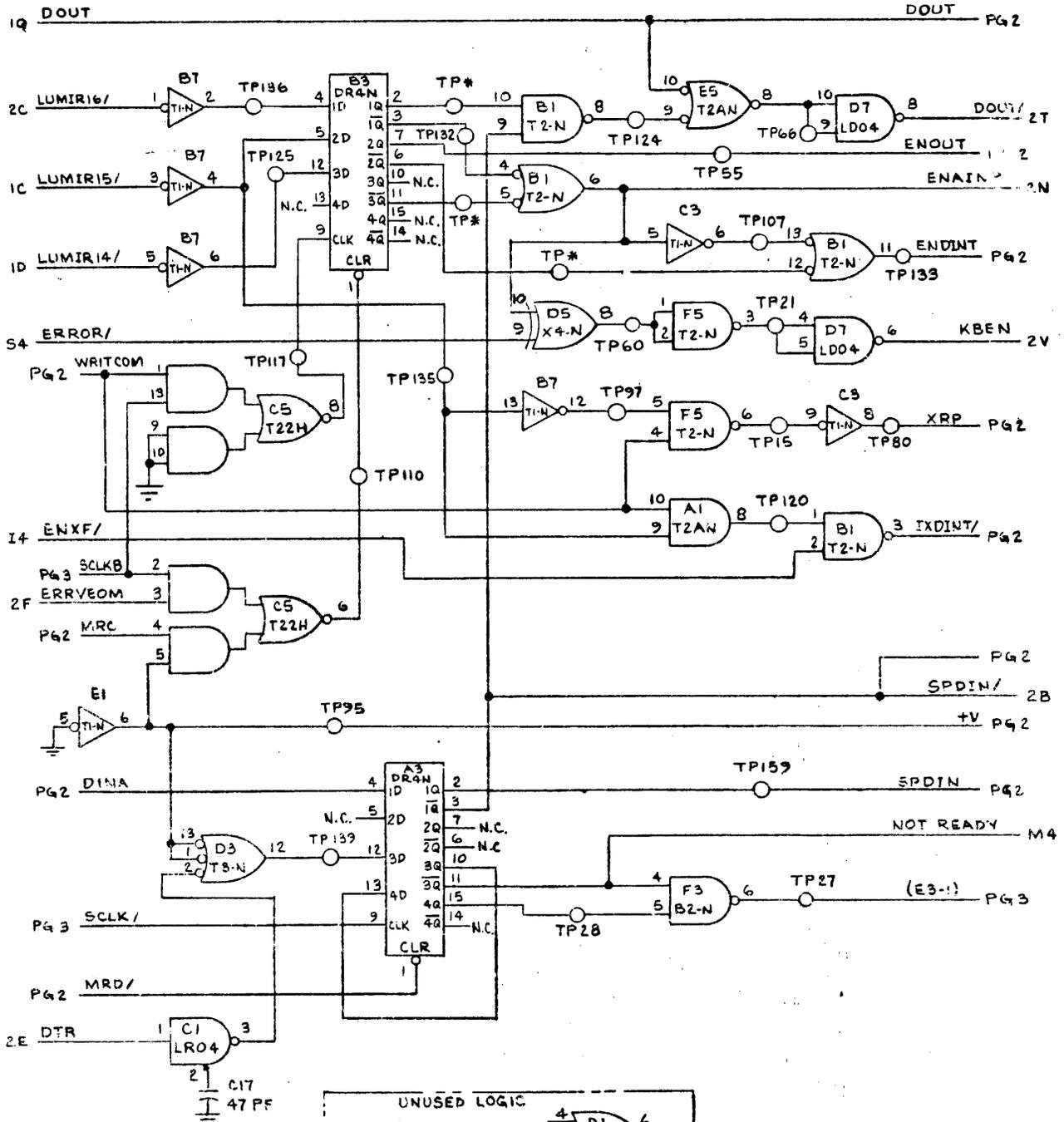
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12-12-74	CLB	REVISION

TITLE	SP 3
DRAWN	J. SCHLENNER 11-25-74
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PAGE 2 OF	

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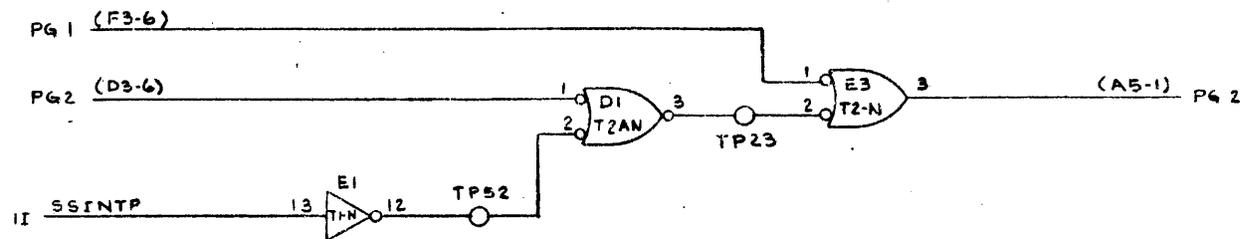
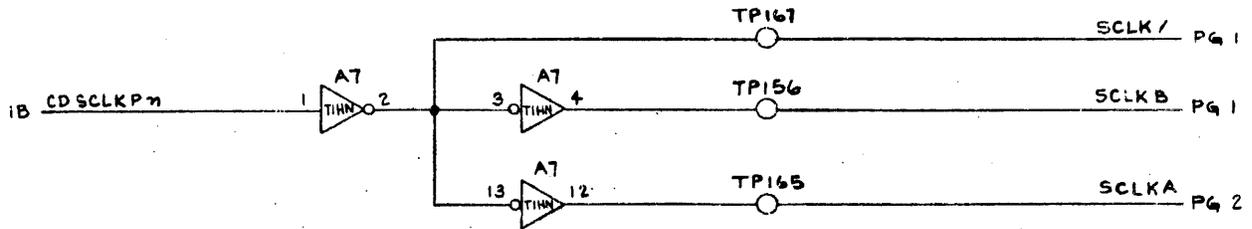
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X4-N	1447	3698	1
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CC 2-9520

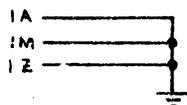
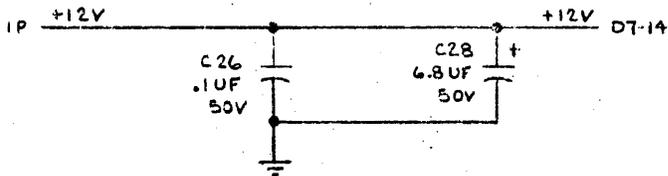
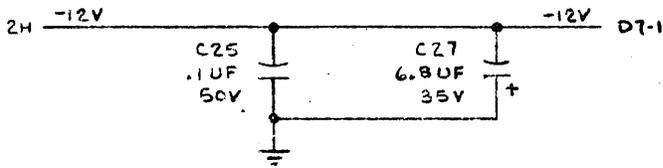
2604-954 BURROUGHS CORPORATION COMPUTER SYSTEMS GROUP DOWNTOWN PLANT DOWNTOWN, PA. 19133 PROPERTY OF BURROUGHS - DON'T COPY OR REPRODUCE FOR USER OR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT	TITLE SP4		NUMBER 2604 1354	REV. A
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	PRINTED IN U.S.A.			

SCHMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



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2G	EOIND2	EOIND2	R4
1J	EOIND4	EOIND4	X3
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CC2-9520

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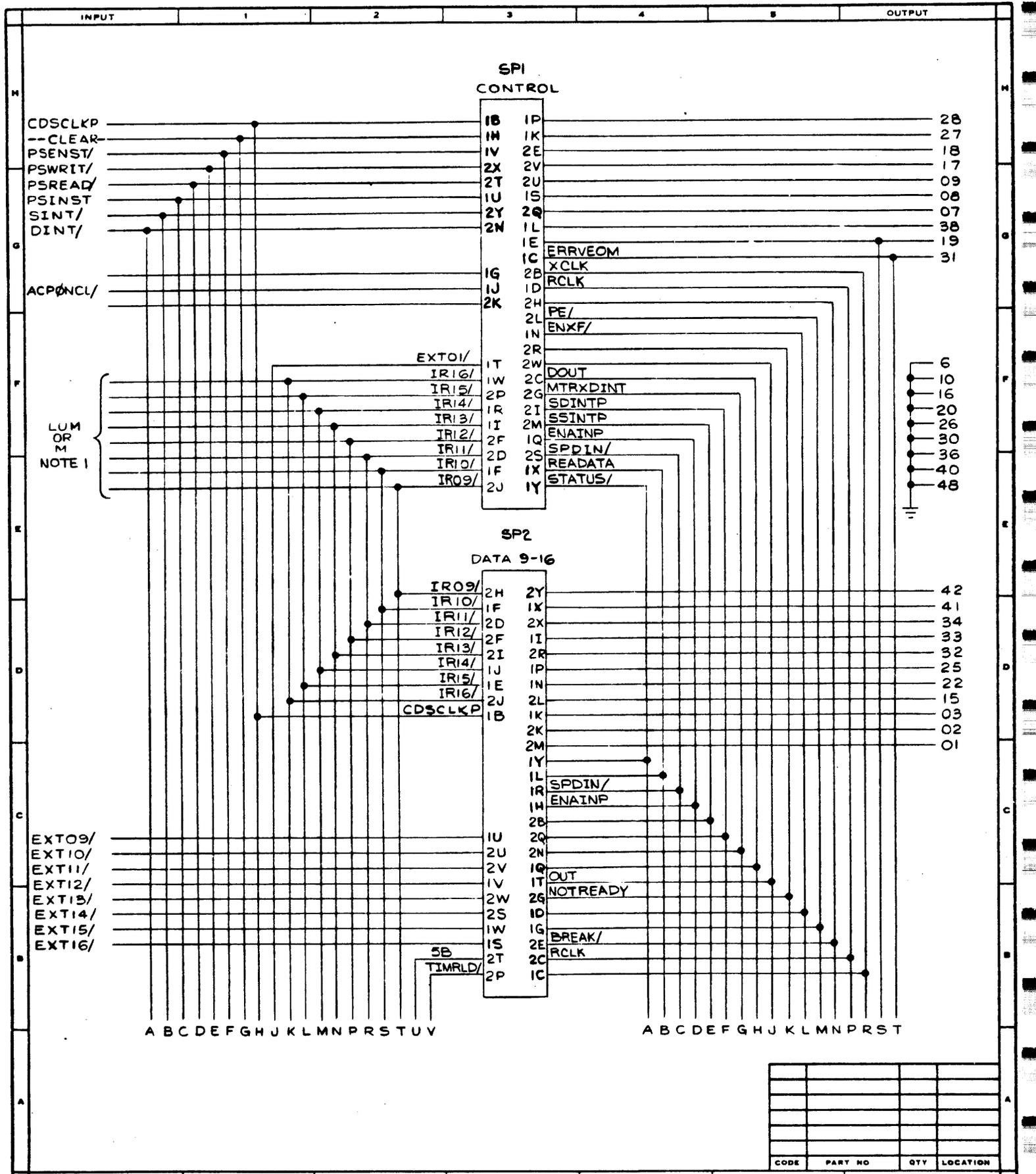
Burroughs Corporation
 COMPUTER SYSTEMS GROUP
 DOWNINGTOWN, PA 19335
 DOWNINGTOWN PLANT
 U.S. AMERICA

REVISIONS:
 1
 2
 3

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DESIGNED BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE

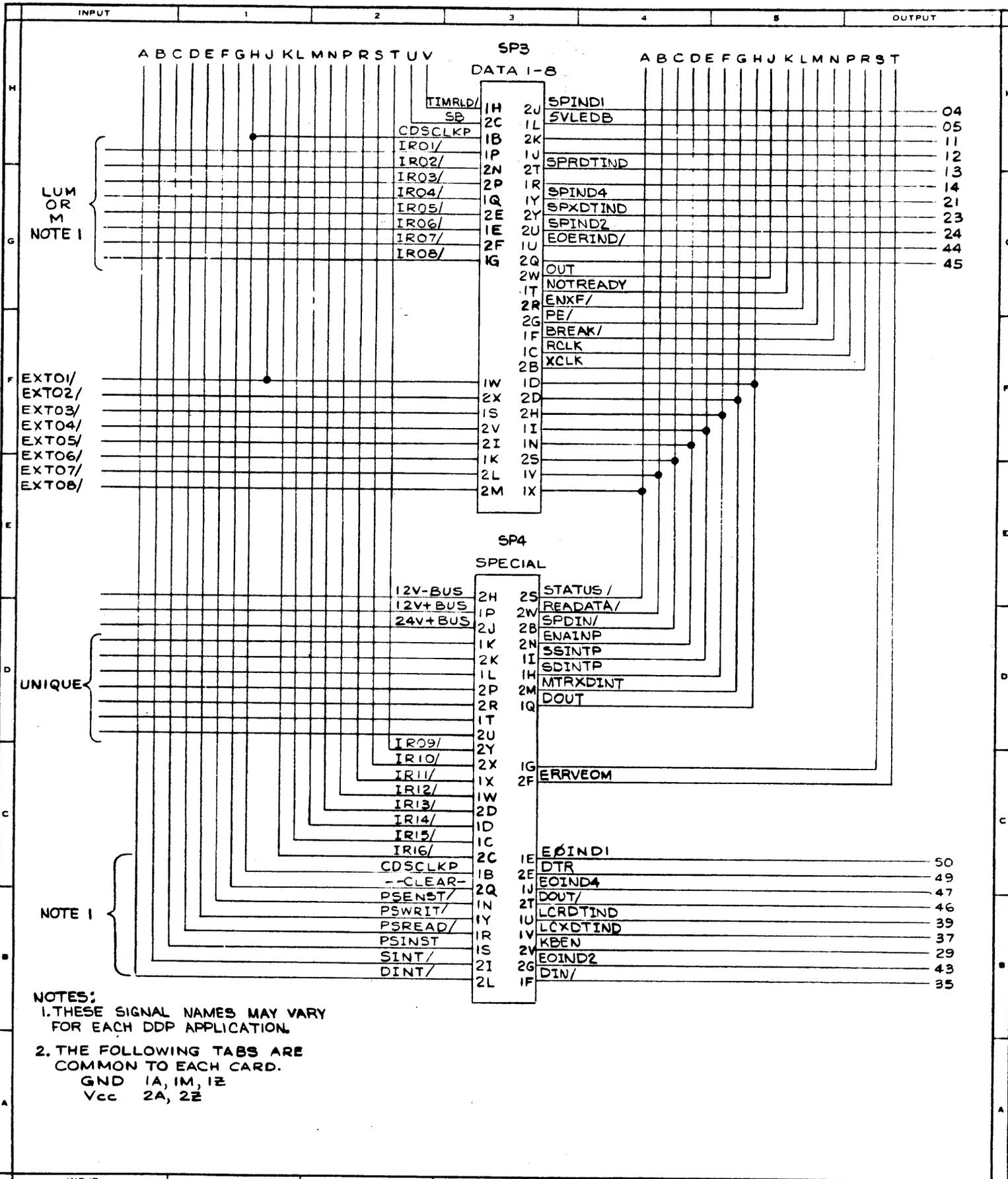
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REV	A
DATE	3

2604 1954



INPUT	1	2	3	4	5	OUTPUT																																						
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>Burroughs Corporation</p> <p>COMPUTER SYSTEMS GROUP DOWNTOWN PLANT DOWNTOWN PA. 19335 U.S. AMERICA</p> </div> <div style="width: 30%; border: 1px solid black; padding: 2px;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="font-size: 8px;">REV</td> <td style="font-size: 8px;">A</td> <td style="font-size: 8px;">A</td> </tr> <tr> <td style="font-size: 8px;">SH</td> <td style="font-size: 8px;">1</td> <td style="font-size: 8px;">2</td> </tr> </table> </div> <div style="width: 30%; border: 1px solid black; padding: 2px;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="font-size: 8px;">DRAWN</td> <td style="font-size: 8px;">DATE</td> <td style="font-size: 8px;">TITLE</td> <td style="font-size: 8px;">CLASS CODE</td> </tr> <tr> <td style="font-size: 8px;">CZUTSKI</td> <td style="font-size: 8px;">1-7-76</td> <td style="font-size: 8px;">DDP SP</td> <td style="font-size: 8px;">2-9520</td> </tr> <tr> <td style="font-size: 8px;">DATE</td> <td style="font-size: 8px;">DATE</td> <td style="font-size: 8px;">WIRING DIAGRAM</td> <td style="font-size: 8px;"></td> </tr> <tr> <td style="font-size: 8px;">3/20/76</td> <td style="font-size: 8px;">3/20/76</td> <td style="font-size: 8px;"></td> <td style="font-size: 8px;"></td> </tr> <tr> <td style="font-size: 8px;">DATE</td> <td style="font-size: 8px;">DATE</td> <td style="font-size: 8px;">SHEET</td> <td style="font-size: 8px;">DWG NO</td> </tr> <tr> <td style="font-size: 8px;">3/27/76</td> <td style="font-size: 8px;">3/27/76</td> <td style="font-size: 8px;">1 of 2</td> <td style="font-size: 8px;">2606 9674</td> </tr> <tr> <td style="font-size: 8px;">DATE</td> <td style="font-size: 8px;">DATE</td> <td style="font-size: 8px;">PLT NO</td> <td style="font-size: 8px;">REV</td> </tr> <tr> <td style="font-size: 8px;">3-1-76</td> <td style="font-size: 8px;">3-1-76</td> <td style="font-size: 8px;">038</td> <td style="font-size: 8px;">A</td> </tr> </table> </div> </div>							REV	A	A	SH	1	2	DRAWN	DATE	TITLE	CLASS CODE	CZUTSKI	1-7-76	DDP SP	2-9520	DATE	DATE	WIRING DIAGRAM		3/20/76	3/20/76			DATE	DATE	SHEET	DWG NO	3/27/76	3/27/76	1 of 2	2606 9674	DATE	DATE	PLT NO	REV	3-1-76	3-1-76	038	A
REV	A	A																																										
SH	1	2																																										
DRAWN	DATE	TITLE	CLASS CODE																																									
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DATE	DATE	WIRING DIAGRAM																																										
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">CODE</td> <td style="width: 25%;">PART NO</td> <td style="width: 25%;">QTY</td> <td style="width: 25%;">LOCATION</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>							CODE	PART NO	QTY	LOCATION																																		
CODE	PART NO	QTY	LOCATION																																									

210



Burroughs Corporation



COMPUTER SYSTEMS GROUP
DOWNTOWN PLANT
DOWNTOWN, PENNSYLVANIA 19335

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CONSENT.

NUMBER

2605 9840

REV

A

TITLE

FIELD INSTALLATION INSTRUCTIONS
FOR SPO CONTROL OPTION (B346-2)

PREPARED BY

L. Forrester
L. Forrester

APPROVED BY

H. Caswell
H. Caswell
R. Vanderwolf
R. Vanderwolf

ORIGINAL RELEASE DATE

4/22/76

PAGE

1

OF

3

REVISIONS

LEVEL	DESCRIPTION	DATE	APPROVED
A	Initial Release. <i>ER III REV 21</i>		

2605 9840

211-1

211-1



1. SCOPE

1.1 Scope.- This document defines the instructions for field installation of the B346-2 SPO Control Option, M&E No. 2604 3406.

1.2 Option Items.- The B346-2 Control Option consists of the following items:

<u>Quantity</u>	<u>Description</u>
1	Circuit Card Assembly SP1
1	Circuit Card Assembly SP2
1	Circuit Card Assembly SP3
1	Circuit Card Assembly SP4
2	Connector Assembly
1	Cable Assembly
2	Pan Head Screw
2	Washer
1	Decal

2. INSTALLATION INSTRUCTIONS

(a) Insert the four circuit card assemblies into the appropriate DDP backplane locations in accordance with system requirements. Refer to the backplane map contained in the system FT&R documentation package for specific DDP card locations.

Note: Reference controller and option document 2604 9999 for logic schematics and cable assembly wire list.

(b) Attach the two connector assemblies to the frontplane connector end of the following card pairs:

SP1 and SP2

SP3 and SP4

(c) On the insertion side of the backplane, attach the 25-pin connector of the cable assembly marked P1 to the appropriate I/O connector.

(d) On the insertion side of the backplane, attach the 25-pin connector of the cable assembly marked P2 to the appropriate processor connector designated for SPO indicators. Refer to the backplane map contained in the system FT&R documentation package for specific SPO indicator connector location.

211-2



- (e) Secure the "D" type connector on the other end of the cable assembly to the adapter panel using two pan head screws and washers.
- (f) Affix the decal to the configuration plate in the space for the DDP location which has this control installed.
- (g) Option installation is now complete.

DWG NO. 2605 0179
 SHEET 1 OF 1
 REVISIONS
 A REVISED 4/4/75
 B EX # 9-REV 03
 ECN 4363 GR 00 03

WIRE NO.	CONDUCTOR			FROM			TO			REMARKS	WIRE NO.	CONDUCTOR			FROM			TO			REMARKS
	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES			TERMINAL	TYPE OF TERMINATION	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	
1	24	GRY	P1	50	1472 0726	P2	1	1101 6342	ODLS	26	24	GRY	P1	28	1472 0726	P2	31	1101 6342	LED1		
2				49			20		ODLRTN	27		GRY		17		P3	11	1472 0726	EØIND1		
3				47			3		IDLS	28		GRY		18		P3	13	1472 0726	EØIND2		
4				46			22		IDLRTN	29		WHT		15		P2	9	1101 6342	IRGNCS		
5				39			2		ENIL	30		BLK		10		P2	28	1101 6342	GND		
6				37			21		ENILRTN	31		GRY		41		P2	36	1101 6342	LED7		
7				29			18		5VLEDS1	32		GRY		33		P3	9	1472 0726	LCØDTIND		
8		GRY		43			19		5VLEDS2	33		WHT		34		P2	10	1101 6342	ERRNCS		
9		WHT		22			5		IRGNOS	34		BLK	P1	30	1472 0726	P2	29	1101 6342	GND		
10		BLK		26		P2	24	1101 6342	GND	35		ORN							SPARE		
11		GRY		2		P3	4	1472 0726	LCØDTIND	36		ORN							SPARE		
12		WHT		25		P2	6	1101 6342	EØMNOS	37	24	BLK							SPARE		
13		BLK		20			25		GND	38											
14		WHT		32			7		EØMNCS	39											
15		BLK		36			26		GND	40											
16		GRY		3			37		LED6	41											
17		WHT		42			8		ERRNOS	42											
18		BLK		48		P2	27	1101 6342	GND	43											
19		GRY		8		P3	8	1472 0726	LCØTSIND	44											
20				19		P3	21	1472 0726	EØIND4	45											
21				38		P2	35	1101 6342	LED5	46											
22				7		P2	34	1101 6342	LED4	47											
23				31		P3	18	1472 0726	LCØDRIND	48											
24				9		P2	33	1101 6342	LED3	49											
25	24	GRY	P1	27	1472 0726	P2	32	1101 6342	LED2	50											

NOTES:
 1. ◀ INDICATES TWISTED PAIR.

DRAWN G. BUEHLER 4-2-75
 CHECKED 4-5-75
 ENGR 4/4/75
 APPROVED 4/4/75

Burroughs Corporation
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 DOWNTOWN, PA. 19339, U. S. AMERICA

TITLE WIRE LIST
 CABLE ASSY SPO

SHEET 1 OF 1
 DWG NO. 2605 0179

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212

DWG NO. 2608 5381
 SHEET 1 OF 1
 RELEASED
 A REL SER #105819

WIRE NO	CONDUCTOR			FROM			TO			REMARKS	WIRE NO	CONDUCTOR			FROM			TO			REMARKS
	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES			TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION		
1	24	WHY	P2	9	1101 6342	P1	15	1472 0726	IRQNCS	26											
2		WHY		18			22		IRQNOS	27											
3		WHY		15			25		EOMNOS	28											
4		WHY		10			32		EOMNCS	29											
5		WHY		21			34		ERRNCS	30											
6		WHY		17			37		ENILRTN	31											
7		WHY		22			39		ENIL	32											
8		WHY		14			42		ERRNCS	33											
9		WHY		5			46		IDLRTN	34											
10		WHY		3			47		IDLS	35											
11		WHY		1			48		GROUND	36											
12		WHY		16			49		ODLRTN	37											
13		WHY	P2	13	1101 6342	P1	50	1472 0726	ODLS	38											
14		WHY							SPARE	39											
15		WHY								40											
16		WHY								41											
17		WHY								42											
18		WHY								43											
19		WHY								44											
20		WHY								45											
21		WHY								46											
22		WHY								47											
23		WHY								48											
24		WHY								49											
25	24	WHY							SPARE	50											

NOTES:

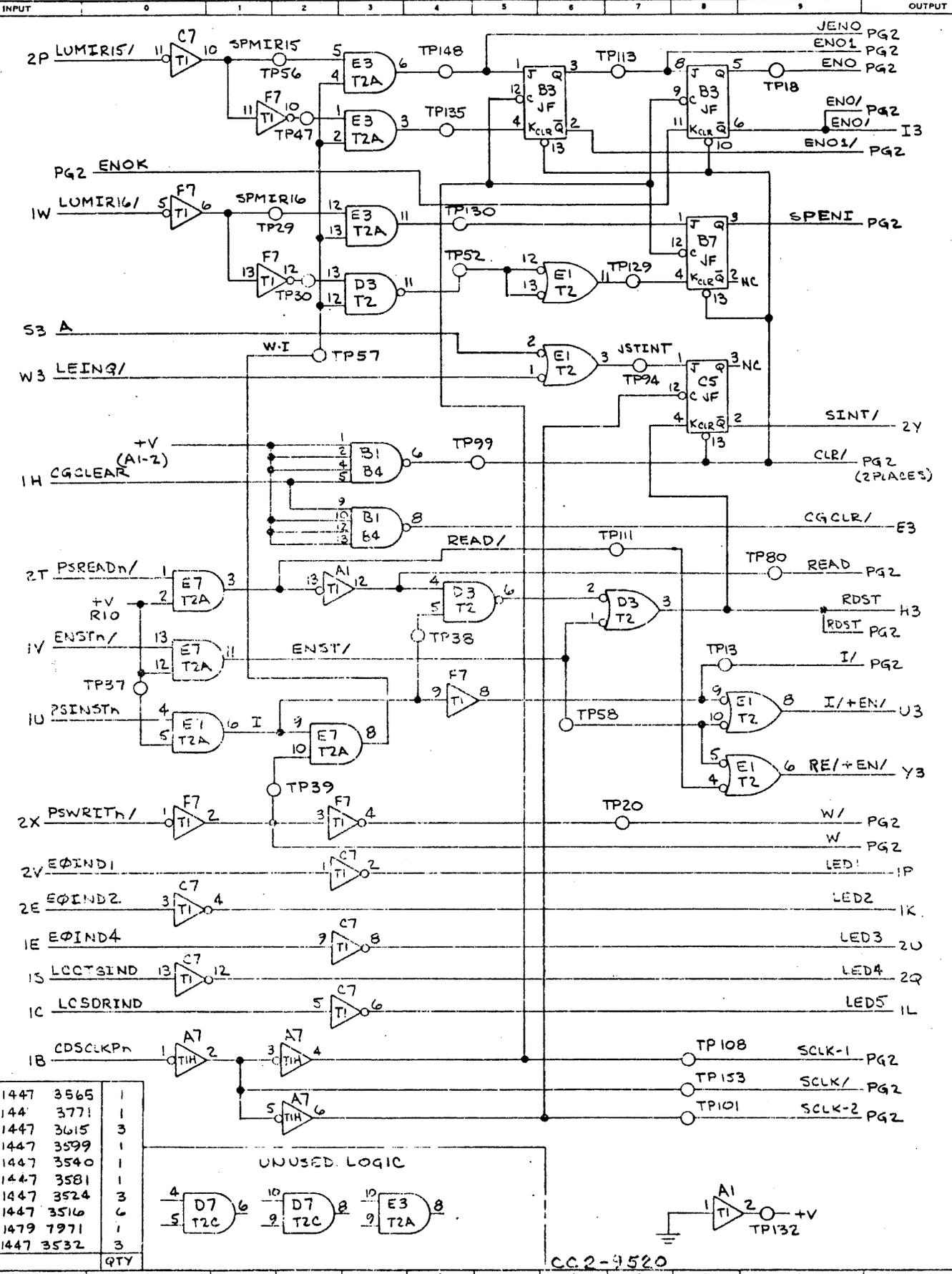
2/3

DRAWN H. P. ... DATE 5-20-76
 CHECKED ... DATE 6-1-76
 DESGN OR ENGR ... DATE ...
 APPROVED ... DATE ...

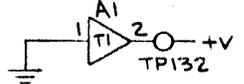
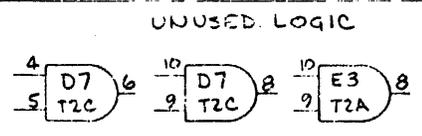
Burroughs Corporation **B**
 COMPUTER SYSTEMS GROUP DOWNINGTOWN PA 19335
 DOWNTOWN PLANT U.S. AMERICA
 TITLE WIRE LIST
 CABLE ASSY, B40 SPO SIGNAL
 SHEET 1 OF 1 DWG NO 2608 5381

CC 2-9520
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SCHMATIC

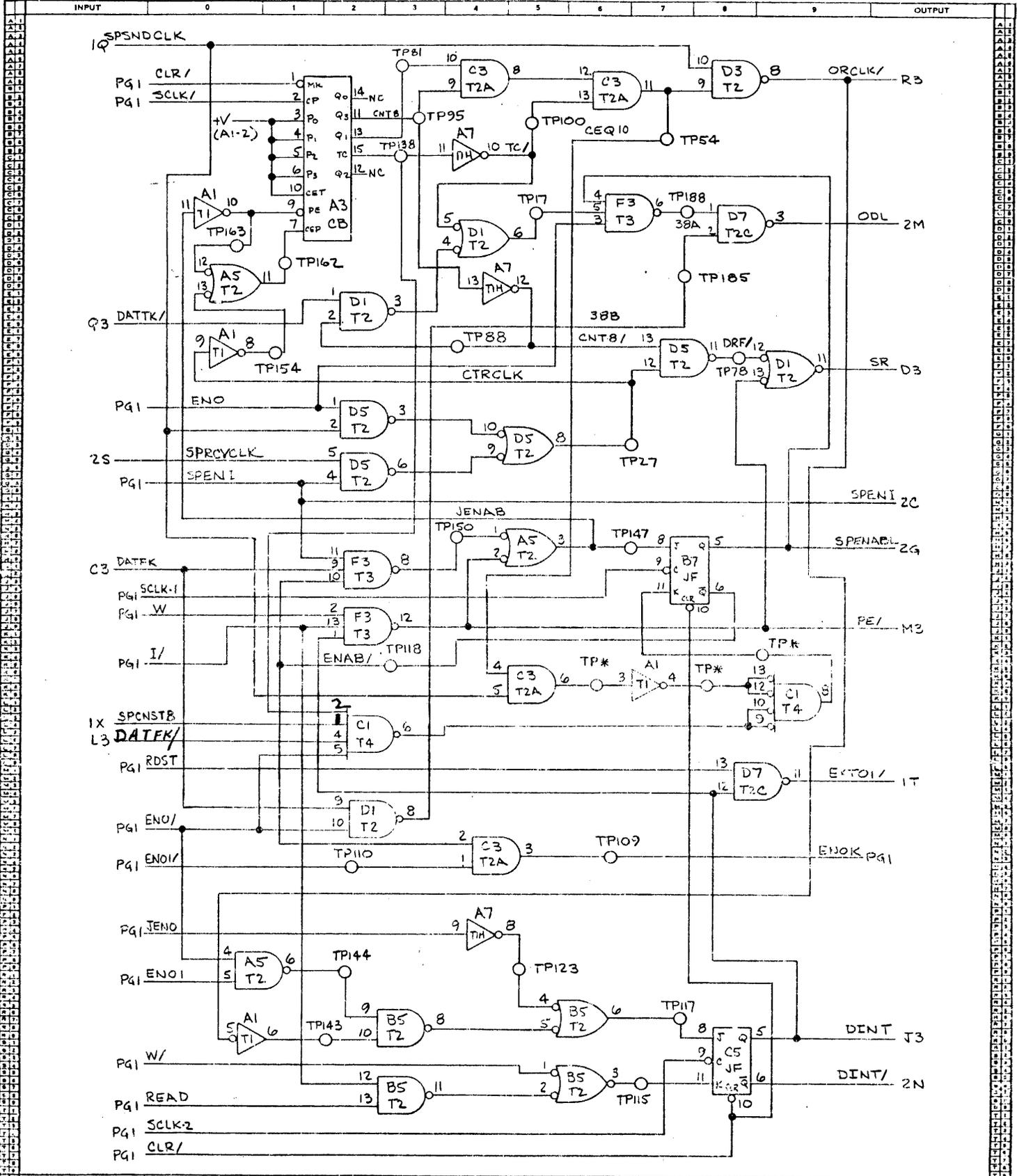


T4	1447	3565	1
C8	144	3771	1
JF	1447	3615	3
B4	1447	3599	1
T3	1447	3540	1
T2C	1447	3581	1
T2A	1447	3524	3
T2	1447	3516	6
TIH	1479	1971	1
T1	1447	3532	3
			QTY



CC-2-9520

SCHEMATIC

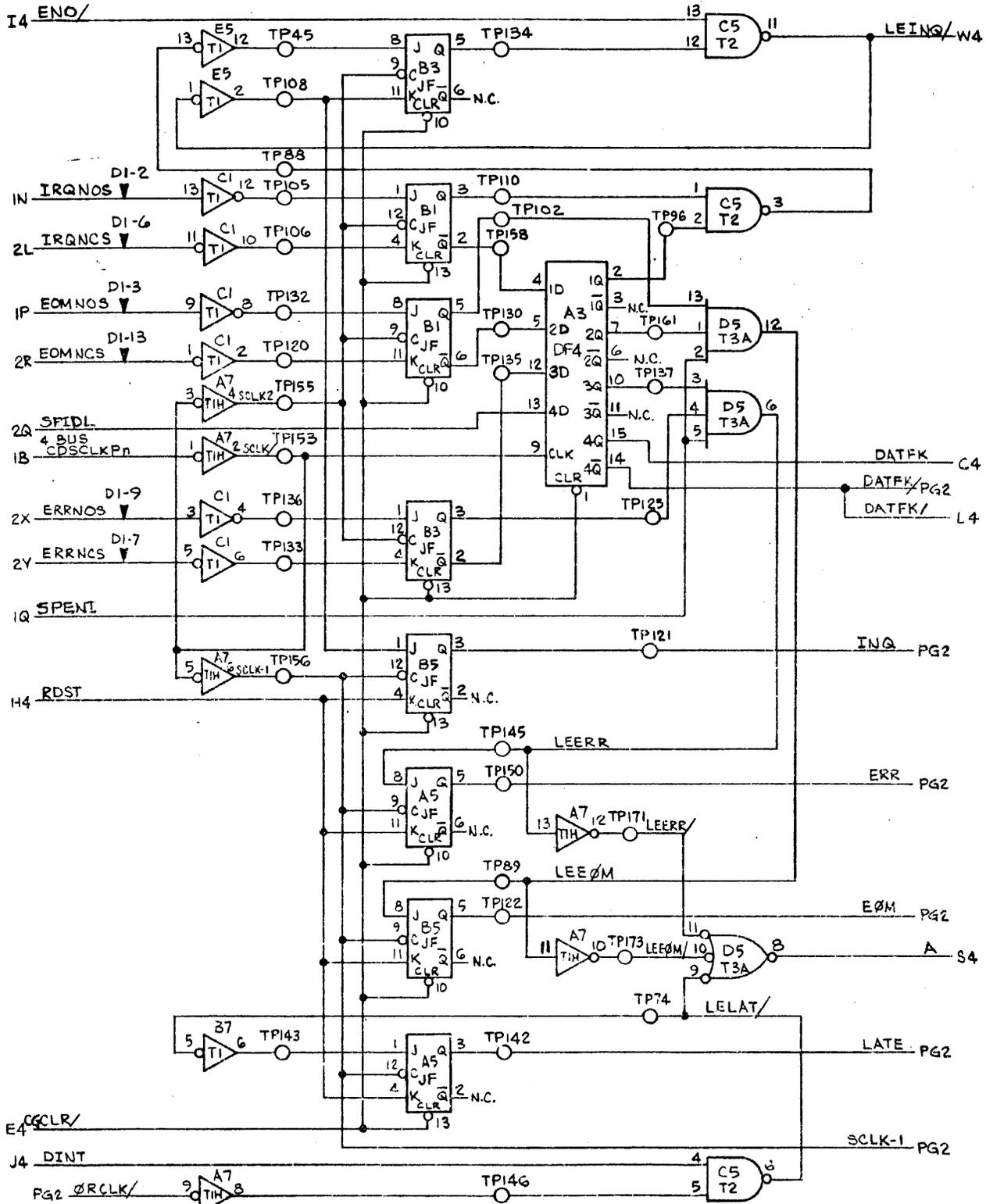


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TITLE SP01
 SYSTEM B770
 DRAWN R. WEAVER 3/11/73 CHECKED J. INGH 3-14-73 DWG. NO. 1443 2474
 APPROVED BY [Signature] 3-22-73 REV. LETTER D 4-5-73

SCHEMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



NOTES:
 1. * DENOTES UNABLE TO OBTAIN DEDICATED VIA.
 2. ▼ INDICATES PULL-UP RESISTOR.

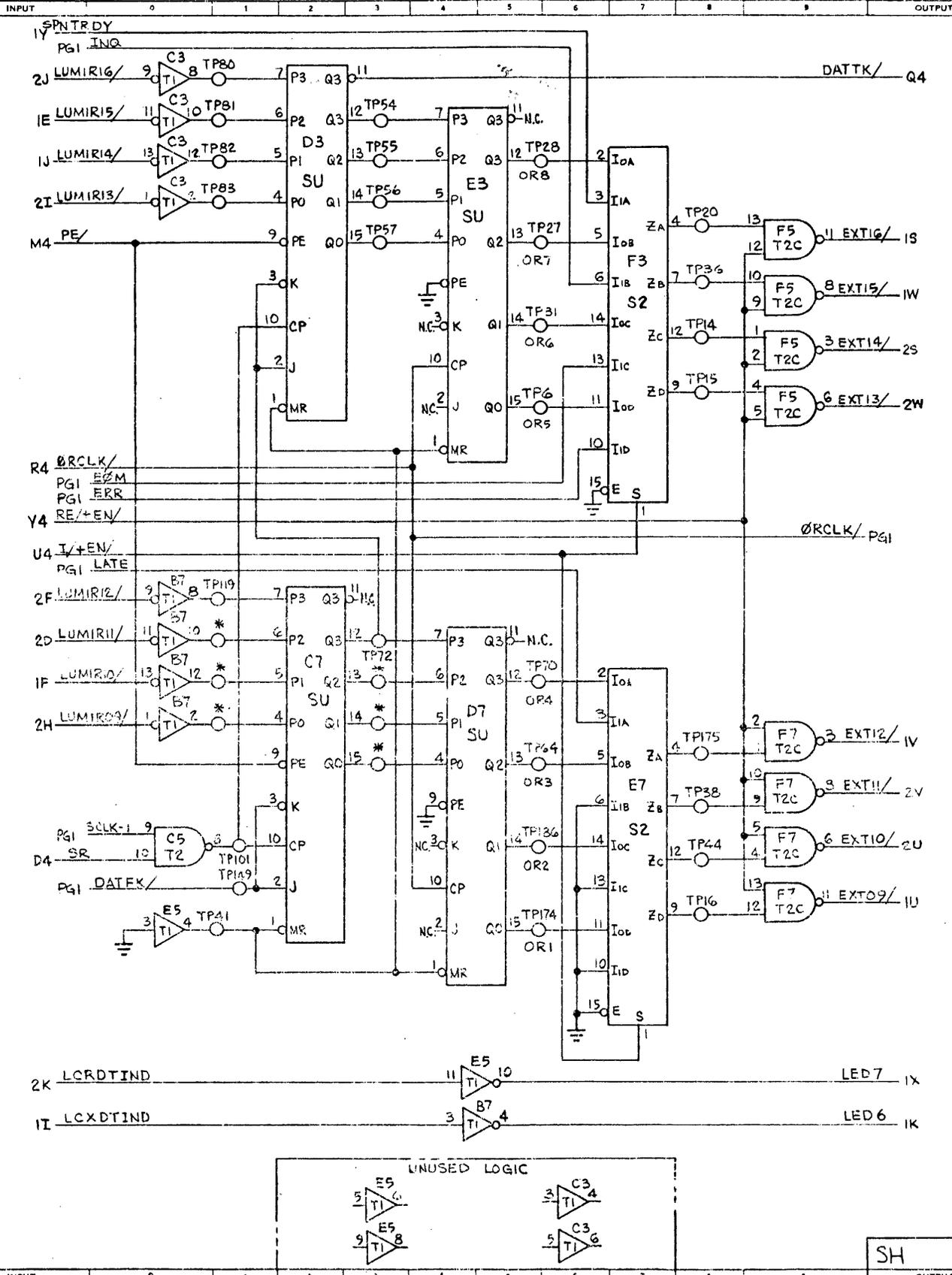
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TIH	1479 7971	1	SU	1447 3755	4
T2	1447 3516	1	S2	1447 3797	2
T2C	1447 3581	2	JF	1447 5396	1
T3A	1447 3557	1			
JF	1447 3615	4			
CODE	PART NUMBER	QTY	CODE	PART NUMBER	QTY

CC2-9520 SH

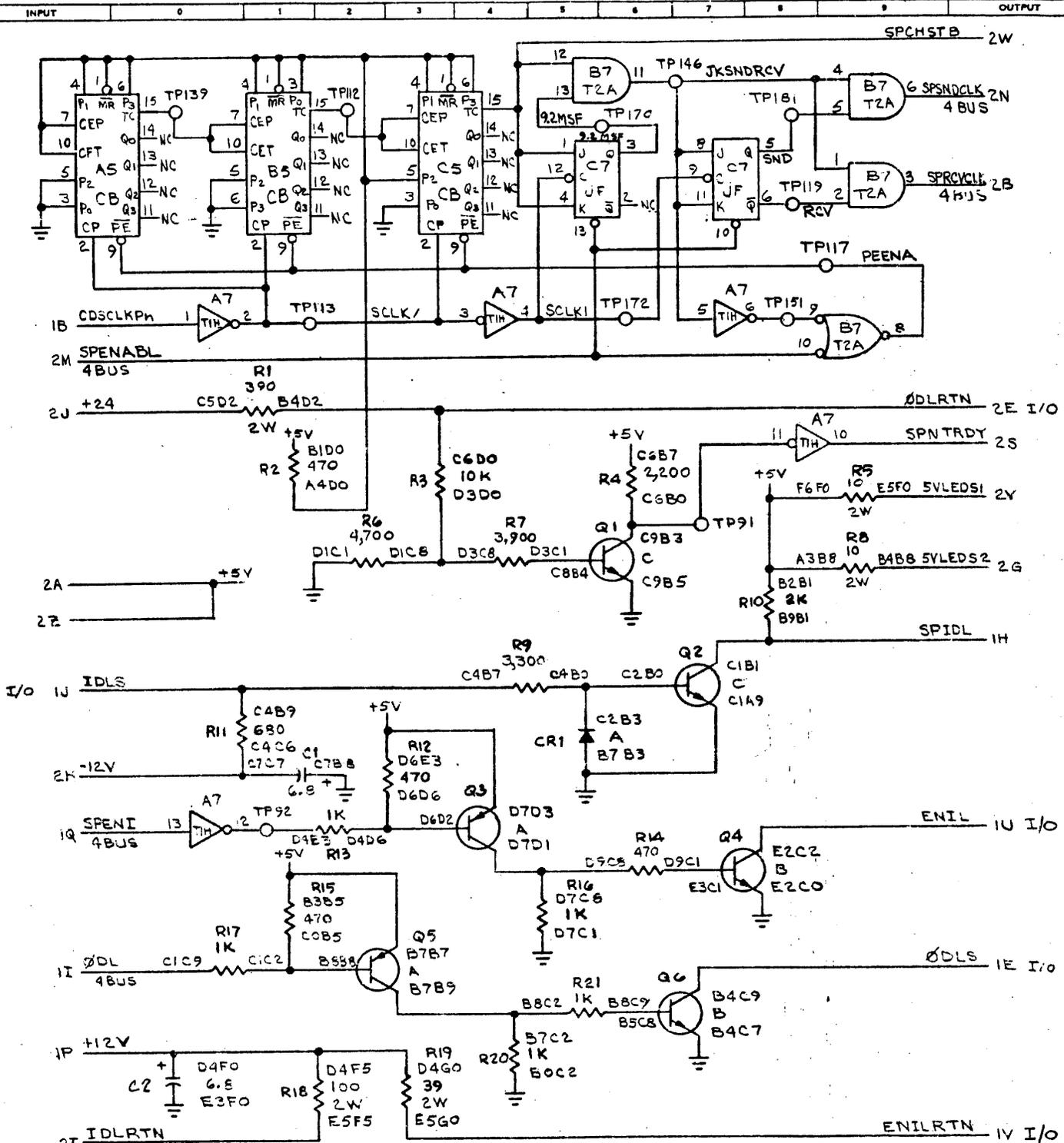
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TITLE SP02 SYSTEM B770
 DRAWN BY *[Signature]* CHECKED BY *[Signature]*
 APPROVED BY *[Signature]* RELEASED 8-22-73
 DWG. NO. 1449 2508
 PAGE 1 OF 2
 REV. LETTER C PER ECA

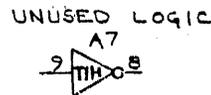
SCHMATIC



SCHEMATIC



- NOTES:
- FOR ASSEMBLY SEE 1449 2516
 - COMPONENTS IDENTIFIED BY LETTERS A, B, & C INDICATE PART NUMBERS AS FOLLOWS:
 TRANSISTORS DIODES
 A. 1477 3451 A. 1471 4661
 B. 1476 1118
 C. 1471 4760
 - UNLESS OTHERWISE SPECIFIED:
 RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2W.
 CAPACITANCE VALUES ARE IN MICRO FARADS, ±20%, 35V

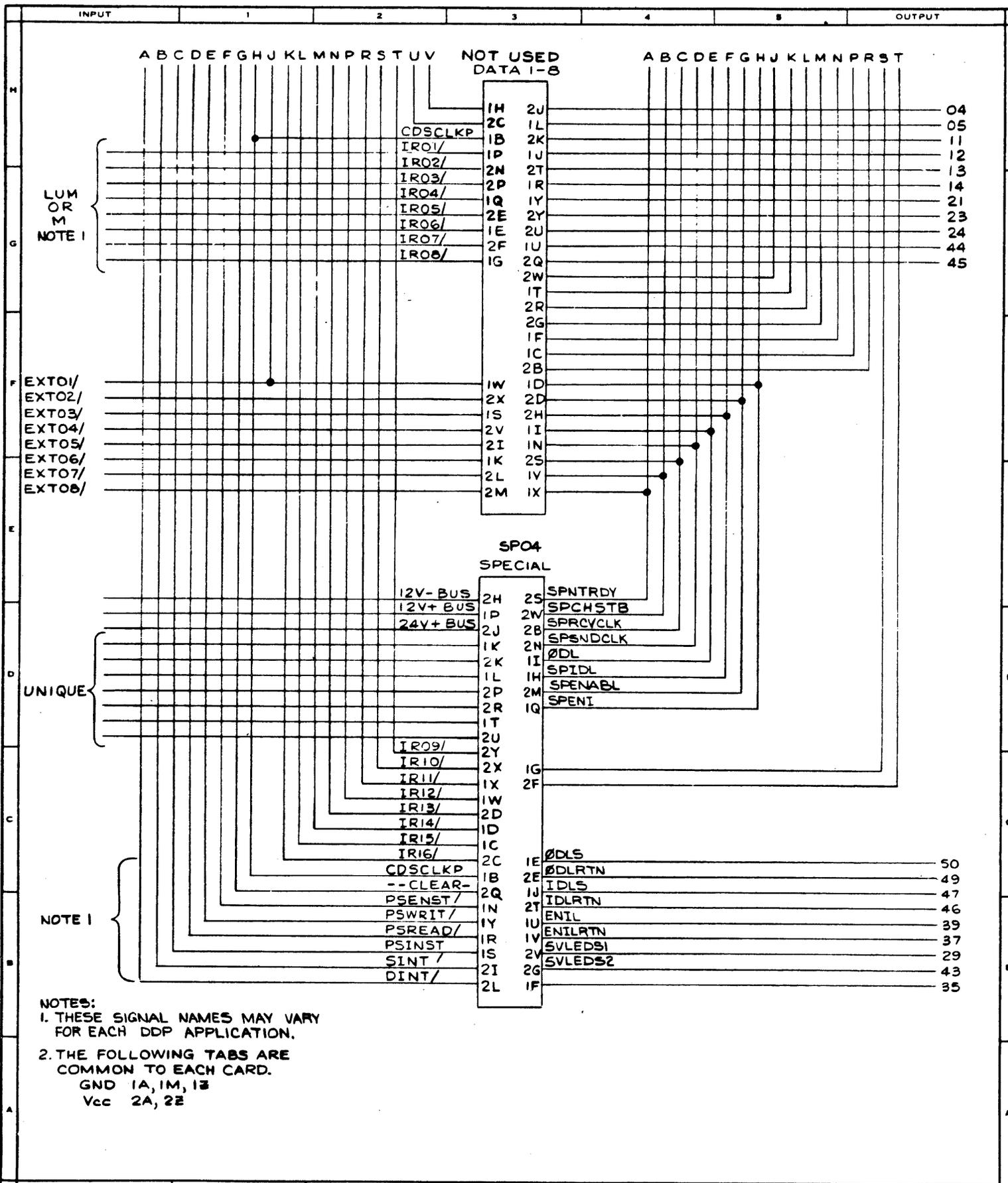


CB	1447 3771	3
JF	1447 3615	1
T2A	1447 3524	1
TIH	1479 7971	1
CODE	PART NO.	QTY

002-9520

Burrhoughs Corporation
 MAGNETIC SYSTEMS PLANT
 DOWNTOWN, PA 19358

TITLE **EFO 4**
 SYSTEM B770
 DRAWN J. D'ERRE 2. MAN' CHECKED BY: *Alroy 3/19/69*
 APPROVED: *[Signature]* RELEASED
 DWG. NO. 1449 2532
 PAGE
 REV. LETTER B P&R
 ECN 4576



NOTES:
 1. THESE SIGNAL NAMES MAY VARY FOR EACH DDP APPLICATION.
 2. THE FOLLOWING TABS ARE COMMON TO EACH CARD.
 GND 1A, 1M, 1Z
 Vcc 2A, 2Z

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COMPUTER SYSTEMS GROUP

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DOWNINGTOWN, PENNSYLVANIA 19335

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NUMBER

2606 4816

REV

B

TITLE

FIELD INSTALLATION INSTRUCTIONS FOR
CONSOLE PRINTER (SPO) CONTROL OPTION (B44

PREPARED BY

H. Caswell
9-9-75

APPROVED BY

B. Dinerman
9-9-75

ORIGINAL RELEASE DATE

9-26-75

PAGE 1 OF 3

REVISIONS

LEVEL	DESCRIPTION	DATE	APPROVED
A	Initial Release ER109 REV09		
B	Revised per ECN 4448. Templates deleted.	12-3-75	W. Springer JRS

2606 4816

221



1. SCOPE

1.1 Scope. - This document defines the instructions for field installation of the B44 console printer (SPO) control option, M&E No. 1449 4884.

1.2 Option items. - The B44 control option consists of the following items:

Quantity	Description	Part No.
1	Circuit Card Assembly SP01	1449 2458
1	Circuit Card Assembly SP02	1449 2482
1	Circuit Card Assembly SP04	1449 2516
1	Connector Assembly	2605 0807
1	Cable Assembly (B771/B772 Processors Only)	1449 4918
1	Cable Assembly (B776, B771-3, B772-3 and B721 Processors)	2605 0161
1	Decal	2604 3067

2. INSTALLATION INSTRUCTIONS

- (a) Insert the three circuit card assemblies into the appropriate DDP backplane locations in accordance with system requirements. Refer to the backplane map contained in the system FT&R documentation package for specified DDP card locations.
- (b) Attach the connector assembly to the frontplane connector end of card pair SP01 and SP02.
- (c) On the insertion side of the backplane, attach connector P1 of the applicable cable assembly for the specific processor system involved (see list below) to the appropriate I/O connector.

<u>Processor System</u>	<u>Applicable Cable Assembly</u>
B771 & B772	1449 4918
B721, B771-3, B772-3 & B776	2605 0161

- (d) Attach plug, which is joined to connector P1 of the cable assembly of step (c), to the appropriate I/O connector designated for SPO indicators. (see backplane map.)



- (e) Attach the hooded connector (P2) on the other end of the cable assembly of step (c) above to the mating connector on the console printer.
- (f) Affix the decal to the configuration plate in the space for the DDP location which uses this control option.
- (g) Option installation is now complete.

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CONSENT.

NUMBER

2608 5373

REV

B

TITLE

FIELD INSTALLATION INSTRUCTIONS FOR
CONSOLE PRINTER (SPO) CONTROL OPTION (B40)

PREPARED BY

L. Forrester
L. Forrester

APPROVED BY

H. Caswell *HCC*

B. Dinerman *BD*

ORIGINAL RELEASE DATE

PAGE 1 OF 3

REVISIONS

LEVEL	DESCRIPTION	DATE	APPROVED
A	Initial Release <i>EC 105 REV 21</i>		
B	Revised per ECN 5221. Added Note and steps (f), (g), and (h) to Section 3. Pages affected: 1 and 3	<i>9/21/76</i>	<i>L. Forrester</i> <i>HCC</i>

2608 5373

224

224



1. SCOPE

1.1 Scope.-- This document defines the instructions for field installation of the B40 console printer (SPO) control option, M&E No. 2608 4673.

1.2 Option items.-- The B40 control option consists of the following items:

Quantity	Description
1	Circuit Card Assembly SPO1
1	Circuit Card Assembly SPO2
1	Circuit Card Assembly SPO4
1	Connector Assembly
1	Cable Assembly
1	Decal

2. INSTALLATION INSTRUCTIONS

- (a) Insert the three circuit card assemblies into the appropriate DDP backplane locations in accordance with system requirements. Refer to the backplane map contained in the system FT&R documentation package for specified DDP card locations.
- (b) Attach the connector assembly to the frontplane connector end of the card pair SPO1 and SPO2.

3. B9340 SPO MODIFICATION INSTRUCTIONS

- (a) Remove cover from the Supervisory Printer Output (SPO) unit.
- (b) Remove four screws which retain the switch assembly.
- (c) Remove 100 ohm resistor which is connected to pins A and 4 of the following switches: Input Request Switch, End of Message Switch and Error Switch.
- (d) Connect jumper lead between pins A and 4 of the switches mentioned in step (c).
- (e) Replace switch assembly using four screws.



Note: If SPO contains sealed relay K1 (located at right side of SPO), perform steps f and g below; if not, proceed to Section 4 instructions.

- (f) At terminal 6 of TTY terminal strip (located at rear of SPO), trace wire which is connected to pin 4 of K1 relay. Disconnect wire from terminal 6, wrap end terminal with insulating tape, and tie back.
- (g) At terminal 7 of TTY terminal strip, trace wire which is connected to pin 3 of K1 relay. Disconnect wire from terminal 7, wrap end terminal with insulating tape, and tie back.
- (h) Terminals 6 and 7 should each have two wire connections remaining.

4. I/O CABLE INSTALLATION INSTRUCTIONS

- (a) On the insertion side of the backplane, attach P1 of cable assembly to the appropriate I/O connector.
- (b) Attach the hooded connector (P2) on the other end of the cable assembly of step (a) to the mating connector on the console printer.
- (c) Replace SPO cover.
- (d) Affix the decal to the configuration plate in the space for the DDP location which uses this option.
- (e) Option installation is now complete.

DWG NO.
2601 6592

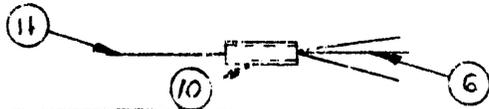
SHEET 2 OF 3

RELEASED PER
E.K. 95 422/14
B
ESN 2420
2/14 8-17-74

WIRE NO.	CONDUCTOR		FROM			TO			REMARKS	WIRE NO.	CONDUCTOR		FROM			TO			REMARKS
	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION			SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	
1	24	GRAY	P1	50	1472 0726	P2	54	1100 7303	S CCP	26	24	GRAY	P1	26(3)	1472 0767	P2	10	1100 7303	GRD
2				6(3)	1472 0767		58		GRD	27				34	1472 0726		76		CHA2
3				49	1472 0726		5		PSTP	28				26(3)	---		72		GRD
4				6(3)	---		1		GRD	29				21	1472 0726		46		SJAM
5				47	1472 0726		22		SPLL	30				26(3)	---		50		GRD
6				6(3)	---		26		GRD	31				22	1472 0726		104		CH23
7				42	1472 0726		84		CHA4	32				30(3)	1472 0767		111		GRD
8				10(3)	1472 0767		79		GRD	33				23	1472 0726		47		SMRT
9				46	1472 0726		7		PSOIL	34				30(3)	---		51		GRD
10				10(3)	---		2		GRD	35				9	1472 0726		38		BTDL
11				41	1472 0726		82		CHA3	36				30(3)	---		42		GRD
12				10(3)	---		87		GRD	37				44	1472 0726		33		STLP
13				39	1472 0726		13		PSO2L	38				36(4)	1472 0767		29		GRD
14				16(3)	1472 0767		17		GRD	39				45	1472 0726		40		SDDL
15				43	1472 0726		3		PSIL	40				36(4)	---		36		GRD
16				16(3)	---		8		GRD	41				33	1472 0726		75		CHAI
17				37	1472 0726		14		PSO4L	42				36(4)	---		71		GRD
18				16(3)	---		18		GRD	43				38	1472 0726		31		SRRL
19				32	1472 0726		73		STAP	44				36(4)	---		35		GRD
20				20(3)	1472 0767		77		GRD	45				7	1472 0726		65		SCKGA
21				23	1472 0726		15		PSO8L	46				40(4)	1472 0767		60		GRD
22				20(3)	---		11		GRD	47				8	1472 0726		66		SCKGB
23				25	1472 0726		107		CH24	48				40(4)	---		62		GRD
24				20(3)	---		102		GRD	49				2	1472 0726		74		STBP
25	24	GRAY	P1	35	1472 0726	P2	4	1100 7303	SRUN	50	24	GRAY	P1	40(4)	---	P2	78	1100 7303	GRD

NOTES:

- (3), (4) INDICATES NUMBER OF WIRES CONNECTED TO SAME PIN.
- USE ITEMS 10 & 11 TO SPLICE GRD WIRES.



DRAWN
H. RUCKHANS 4-8-74
CHECKED
F. Ho. [Signature] 4-18-74
DESIGN OR ENGR
H. BURROUGHS 4-18-74
APPROVED
C. [Signature] 4-18-74

Burroughs Corporation
SMALL SYSTEMS PLANT
DOWNTOWN, PA. 19338, U.S.A. AMERICA

TITLE
WIRE LIST
ADAPTER CABLE - SORTER READER

SHEET DWG NO

2 OF 3

2601 6592

PROPRIETARY TO BURROUGHS CORP. - NOT TO BE REPRODUCED, NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT

857

DWG NO.
2601 6592

SHEET 3 OF 3

RELEASED PER
A ER 9542274

WIRE NO	CONDUCTOR			FROM			TO			REMARKS	WIRE NO	CONDUCTOR			FROM			TO			REMARKS
	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES			TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION		
1	24	GRAY	P1	3	1472 0726	P2	95	1100 7903	CHB1	26											
2				40(4)	—		90		GRD	27											
3				15	1472 0726		97		CHB2	28											
4				48(4)	1472 0767		92		GRD	29											
5				14	1472 0726		39		BCEL	30											
6				48(4)	—		43		GRD	31											
7				13	1472 0726		16		PS IGL	32											
8				48(4)	—		27		GRD	33											
9				12	1472 3726		32		SFEED	34											
10	24	GRAY	P1	48(4)	—	P2	28	1100 7903	GRD	35											
11										36											
12										37											
13										38											
14										39											
15										40											
16										41											
17										42											
18										43											
19										44											
20										45											
21										46											
22										47											
23										48											
24										49											
25										50											

NOTES:

DRAWN H. BURKHANS	DATE 4-8-74
CHECKED <i>[Signature]</i>	DATE 4-18-74
DSGN OR ENGR H. BURKHANS	DATE 4-19-74
APPROVED <i>[Signature]</i>	DATE 4-18-74

Burroughs Corporation 
 SMALL SYSTEMS PLANT
 DOWNTOWN, PA. 19338, U. S. AMERICA

TITLE: WIRE LIST
 ADAPTER CABLE - SORTER READER

SHEET 3 OF 3 DWG NO 2601 6592

PROPRIETARY TO BURROUGHS CORP. - NOT TO BE REPRODUCED, NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT

228

DWG NO.
2606 5185

SHEET 1 OF 2

RELEASED PER
EF 242-574
A

REFERENCE DOCUMENTS

TYPE	PART NO.
ASSEMBLY	2606 5177
SCHEMATIC	_____
PARTS LIST	2606 5177

WIRE NO.	CONDUCTOR			FROM			TO			REMARKS	WIRE NO.	CONDUCTOR			FROM			TO			REMARKS
	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES			TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION		
1	24	GRAY	PI	50	1472 0726	P2	54	1100 7903	SCCP	26	24	GRAY	PI	26(3)	1472 0767	P2	10	1100 7903	GND		
2	↑	↑	↑	6(3)	1472 0767	↑	58	↑	GND	27	↑	↑	↑	34	1472 0726	↑	76	↑	CHA2		
3				49	1472 0726		5		PSTP	28				26(3)	—		72		GND		
4				6(3)	—		1		GND	29				21	1472 0726		46		SJAM		
5				47	1472 0726		22		SPL	30				26(3)	—		50		GND		
6				6(3)	—		26		GND	31				22	1472 0726		104		CHB3		
7				42	1472 0726		84		CHA4	32				30(3)	1472 0767		111		GND		
8				10(3)	1472 0767		79		GND	33				23	1472 0726		47		EMRT		
9				46	1472 0726		7		PSOIL	34				30(3)	—		51		GND		
10				10(2)	—		2		GND	35				9	1472 0726		38		BTDL		
11				41	1472 0726		82		CHA3	36				30(3)	—		42		GND		
12				10(3)	—		87		GND	37				44	1472 0726		33		SPLF		
13				39	1472 0726		13		PSO2L	38				36(4)	1472 0767		29		GND		
14				16(3)	1472 0767		17		GND	39				45	1472 0726		40		SDDL		
15				43	1472 0726		3		PSIL	40				36(4)	—		36		GND		
16				16(3)	—		8		GND	41				33	1472 0726		75		CHA1		
17				37	1472 0726		14		PSO4L	42				36(4)	—		71		GND		
18				16(3)	—		18		GND	43				38	1472 0726		31		SRRL		
19				32	1472 0726		73		STAP	44				36(4)	—		35		GND		
20				20(3)	1472 0767		77		GND	45				7	1472 0726		65		SCKGA		
21				29	1472 0726		15		PSO3L	46				40(4)	1472 0767		60		GND		
22				20(3)	—		11		GND	47				8	1472 0726		66		SCKGB		
23				25	1472 0726		107		CHB4	48				40(4)	—		62		GND		
24				20(3)	—		102		GND	49	↓	↓	↓	2	1472 0726	↓	74	↓	STBP		
25	24	GRAY	PI	35	1472 0726	P2	4	1100 7903	SRUN	50	24	GRAY	PI	40(4)	—	P2	78	1100 7903	GND		

NOTES:

- (3),(4) INDICATES NUMBER OF WIRES CONNECTED TO SAME PIN.
- USE ITEMS 10 & 11 OF PL 2606 5177 TO SPLICE GROUND WIRES.



229

DRAWN	DATE
R.T. GOLMAN	10-14-75
CHECKED	DATE
PHILIP MAN	12-3-75
DSGN or ENGR	DATE
APPROVED	DATE
11/11/75	11/11/75

Burroughs Corporation

COMPUTER SYSTEMS GROUP DOWNINGTOWN PLANT
DOWNINGTOWN PA 19335 U.S. AMERICA

TITLE **WIRE LIST** CLASS CODE **2-9520**

ADAPTER CABLE - SOFTEN READER

SHEET **1** OF 2 DWG NO **2606 5185** PLT. NO **038**

PROPRIETARY TO BURROUGHS CORP - NOT TO BE REPRODUCED, NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR WITH WRITTEN CONSENT

230

DWG NO. 2606 5185
SHEET 2 OF 2

REFERENCE DOCUMENTS	
TYPE	PART NO.
ASSEMBLY	2606 5177
SCHEMATIC	_____
PARTS LIST	2606 5177

WIRE NO.	CONDUCTOR		FROM			TO			REMARKS	WIRE NO.	CONDUCTOR		FROM			TO			REMARKS
	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION			SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	
1	20	GRAY	P1	1	1472 0726	P2	95	1100 7903	CHB1	26									
2				40(4)	—		90		GND	27									
3				15	1472 0726		97		CHB2	28									
4				48(4)	1472 0767		92		GND	29									
5				14	1472 0726		39		BCEL	30									
6				48(4)	—		43		GND	31									
7				13	1472 0726		16		PS16L	32									
8				48(4)	—		27		GND	33									
9				12	1472 0726		32		SFEED	34									
10				48(4)	—		28		GND	35									
11				24	1472 0726		23		BC+1	36									
12	24	GRAY	P1	16	—	P2	12	1100 7903	GND	37									
13										38									
14										39									
15										40									
16										41									
17										42									
18										43									
19										44									
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25										50									

NOTES:

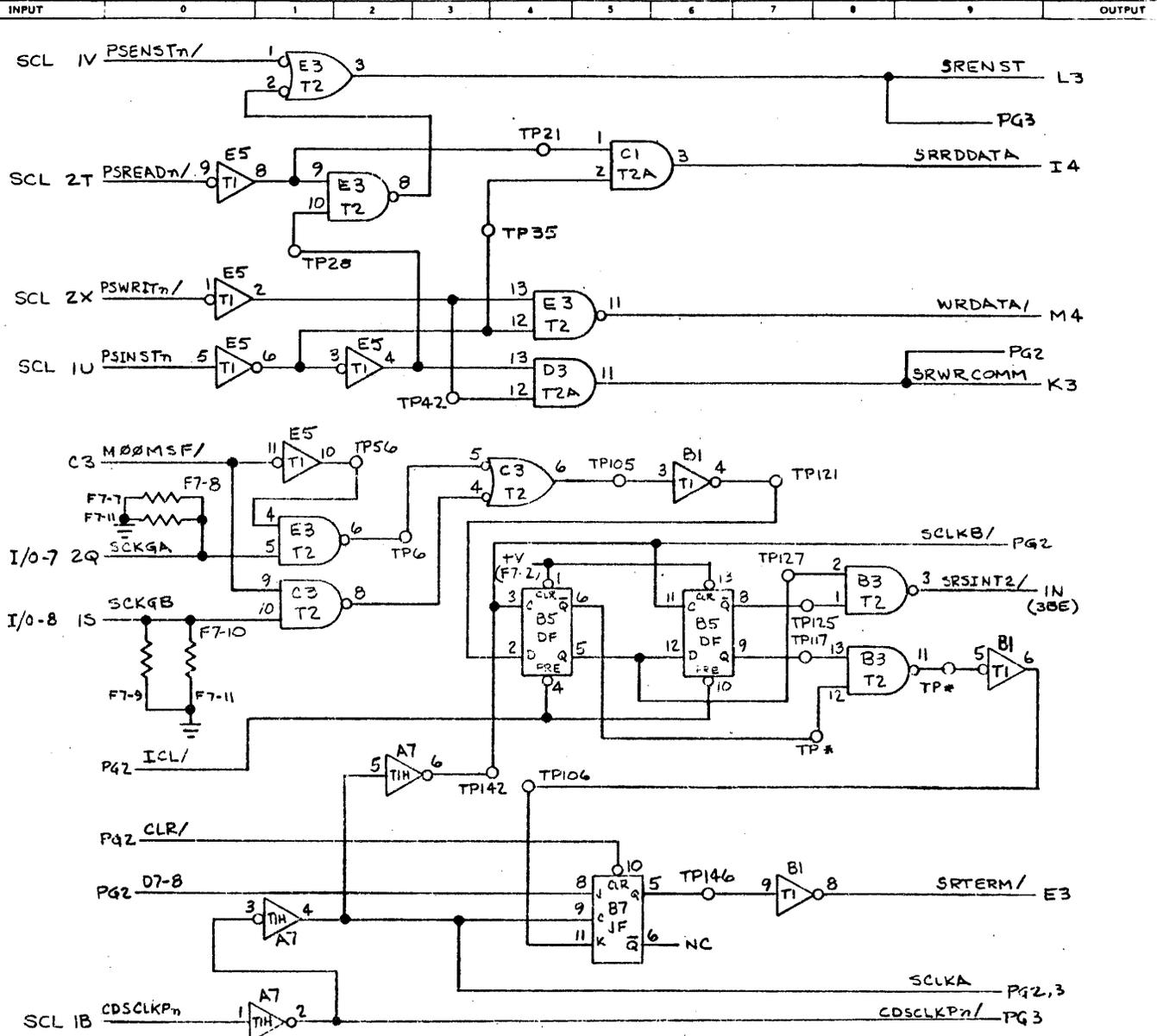
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DRAWN R.T. GORMAN	DATE 10-14-75	Burroughs Corporation  COMPUTER SYSTEMS GROUP DOWNTOWN PLANT DOWNTOWN PA 19335 U.S. AMERICA
CHECKED FHECHMAN	DATE 2-3-75	
DSGN or ENGR	DATE	
APPROVED	DATE	
TITLE ADAPTER CABLE - SORTER READER		CLASS CODE 2-9520

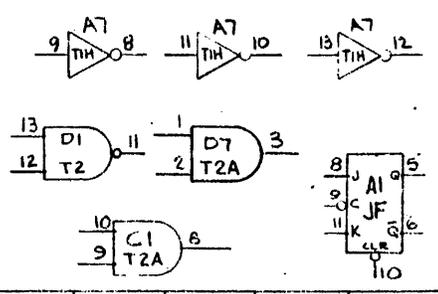
SHEET DWG NO		PLT NO
2 OF 2	2606 5185	038

PROPRIETARY TO BURROUGHS CORP. - NOT TO BE REPRODUCED, NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS CABLE OR OTHER WRITTEN CONSENT

SCHMATIC



UNUSED LOGIC



R.MOD	1447 5396	1
BA	1447 3599	1
DF	1447 3607	3
JF	1447 3615	4
T2A	1447 3524	3
T2	1447 3516	4
TIH	1479 7971	1
TI	1447 3532	3

CODE	PART NO.	QTY
------	----------	-----

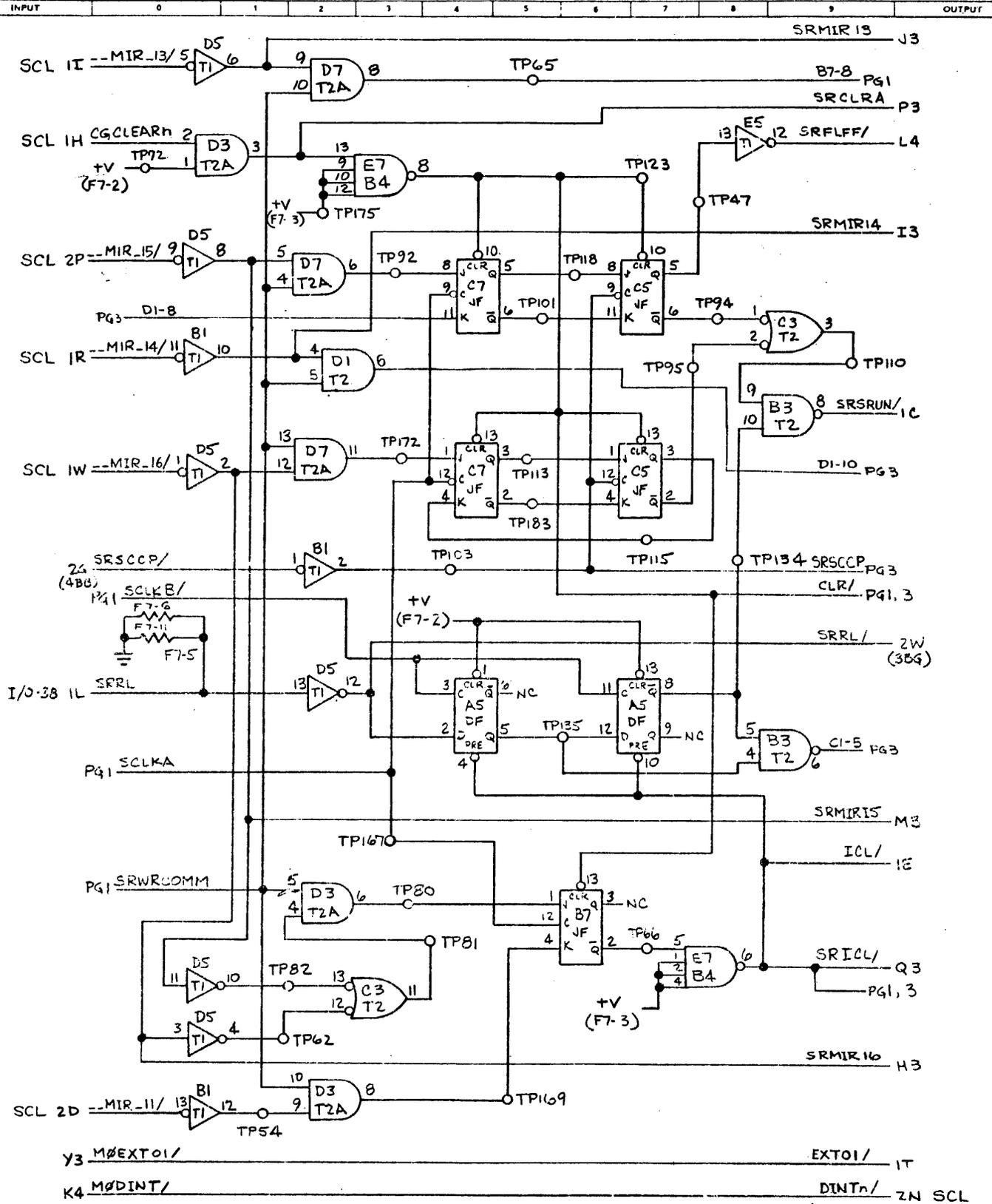
26014910
 CC2-9520
 SHY.011

Burroughs Corporation
 SMALL SYSTEMS PLANT
 DOWNTOWN, PENNSYLVANIA 19330

REVISIONS	DATE	BY	CHKD
1	2-20-74	R.W.	VER
2	2-22-74	K.S.	VER

TITLE	READER	SORTER	COMMND	REG	SRT
NUMBER	26014910	C			
PAGE	1	OF	3		
REV	3				

SCHMATIC



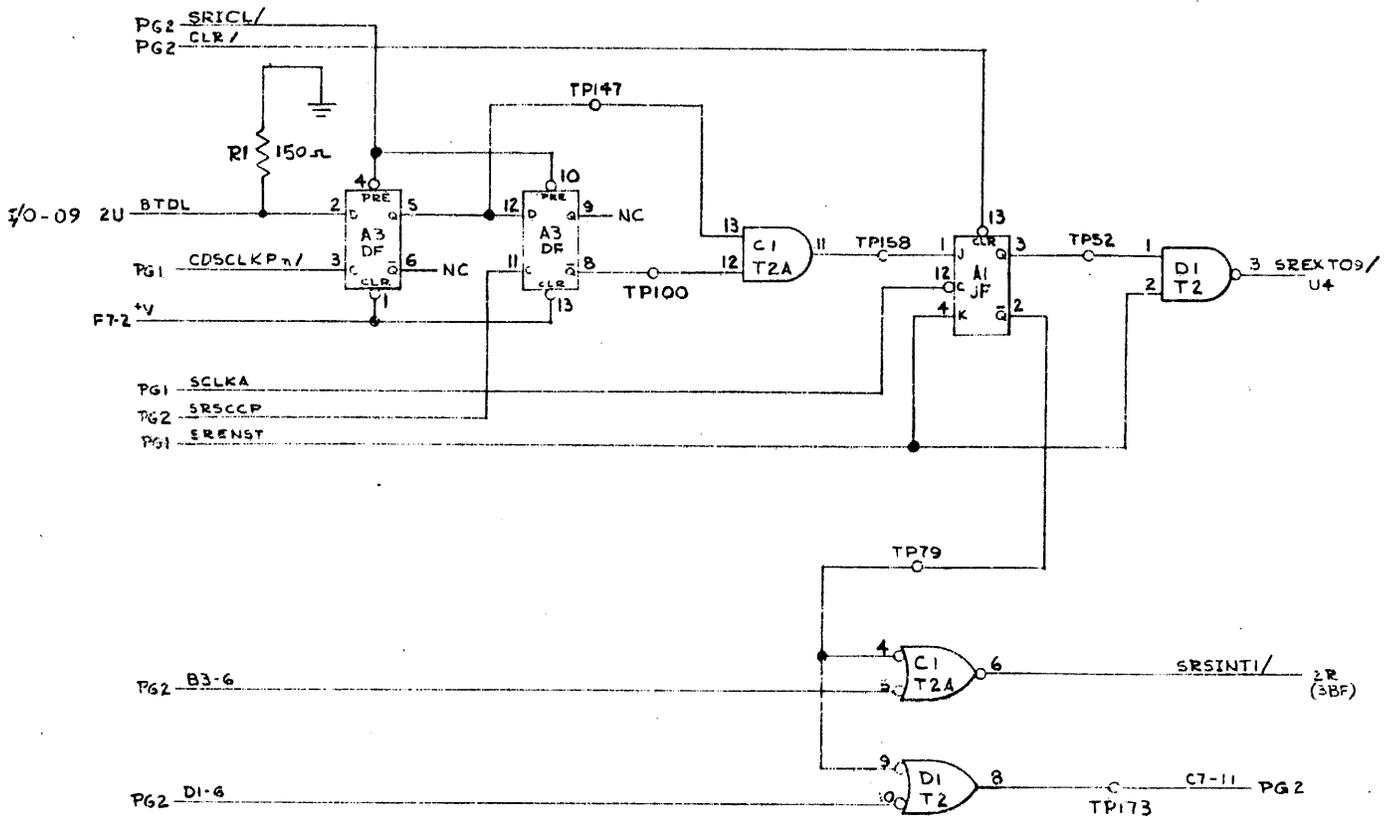
SHY.012

26014910 232 Burroughs Corporation SMALL SYSTEMS DIV. DOWNTOWN, PENNSYLVANIA 19330 PROPERTY OF BURROUGHS CORP. - NOT TO BE REPRODUCED OR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT	REVISIONS: A RELEASED B C	DATE: 2-20-74 CHECKED: B.S. / JERRY DATE: 2-22-74 APPROVED: B.B.D.	TITLE: READER SORTER COMMAND REG. SRI NUMBER: 26014910 PAGE: 2 OF	
	DRAWN: RWIA/SR DATE: 2-20-74 DESIGN ENGINEER:	DATE: 2-20-74 APPROVED: B.B.D.	DATE: 2-20-74 APPROVED: B.B.D.	DATE: 2-20-74 APPROVED: B.B.D.
	DATE: 2-20-74 CHECKED: B.S. / JERRY	DATE: 2-22-74 APPROVED: B.B.D.	DATE: 2-22-74 APPROVED: B.B.D.	DATE: 2-22-74 APPROVED: B.B.D.
	DATE: 2-22-74 APPROVED: B.B.D.	DATE: 2-22-74 APPROVED: B.B.D.	DATE: 2-22-74 APPROVED: B.B.D.	DATE: 2-22-74 APPROVED: B.B.D.

232

SCHEMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



SHY.013

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

Burroughs Corporation
DOWNTOWN PLANT
COMPUTER SYSTEMS GROUP

REVISIONS:
DATE
BY

TITLE SR1
DRAWN DATE
A. TUREK 7-9-74
DESIGN OR ENGR DATE
CHECKED DATE
APPROVED DATE

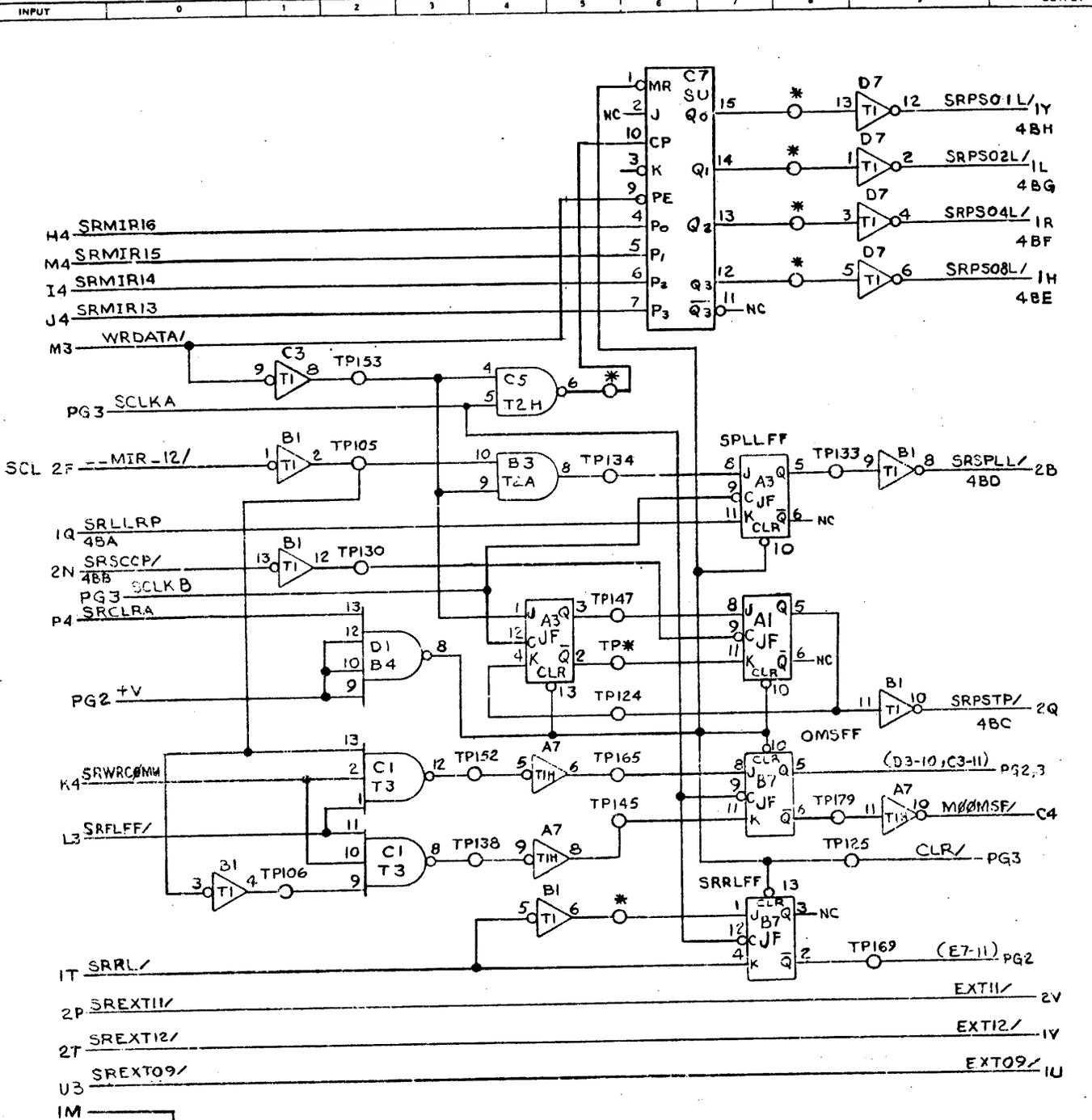
NUMBER 2601 4910
REV C
PAGE 3 OF

PROPERTY OF BURROUGHS CORP. NOT TO BE REPRODUCED NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT

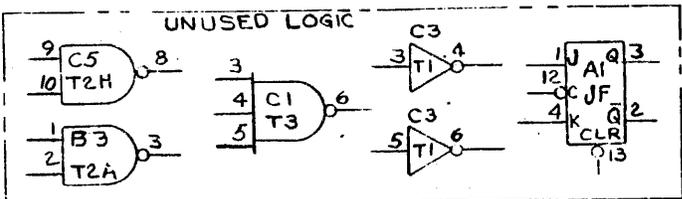
J. Schlem 7-16-74

233

SCHEMATIC



RMOD	1447 5396	2
RMOD	1448 2319	1
MS	1449 2029	1
DF	1447 3607	1
JF	1447 3615	4
SU	147 3755	1
S2	1449 3797	1
B4	1447 3599	1
T3	1447 3540	1
TIH	1479 7971	1
T2H	1479 0240	1
T2C	1447 3581	2
T2A	1447 3524	1
TI	1447 3532	5
CODE	PART NO	QTY

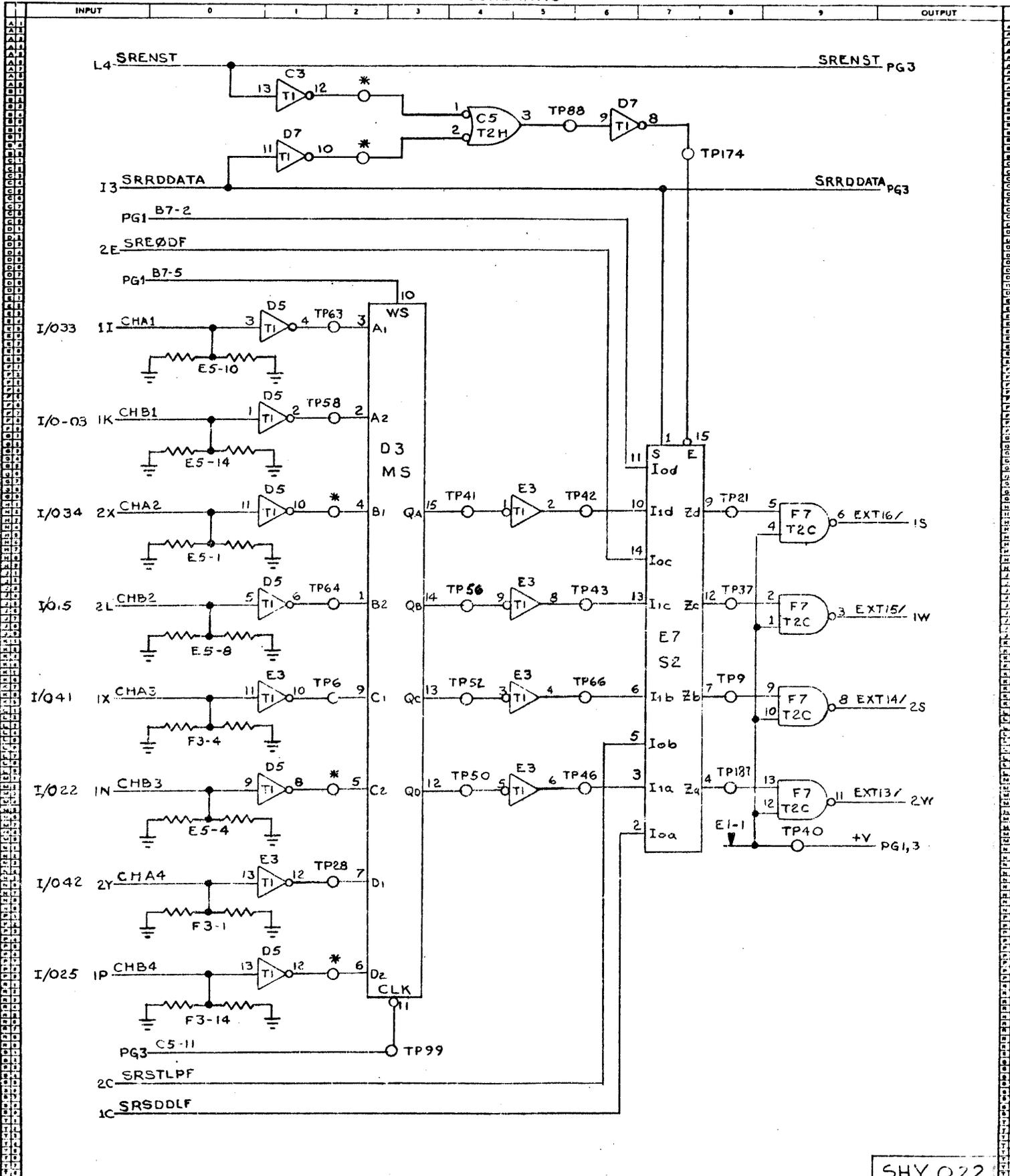


SHY.021

Burroughs Corporation SMALL SYSTEMS PLANT DOWNTOWN, PENNSYLVANIA 19355		TITLE SORKER READER SR2		NUMBER 2601 4944	REV C
DRAWN CHECKED DATE	DATE APPROVED DATE	DESGN OR ENGR DATE	DATE APPROVED DATE	PAGE 1 OF 3	CC 2-9520
3 2 1 PG NO			C C C REV		

234

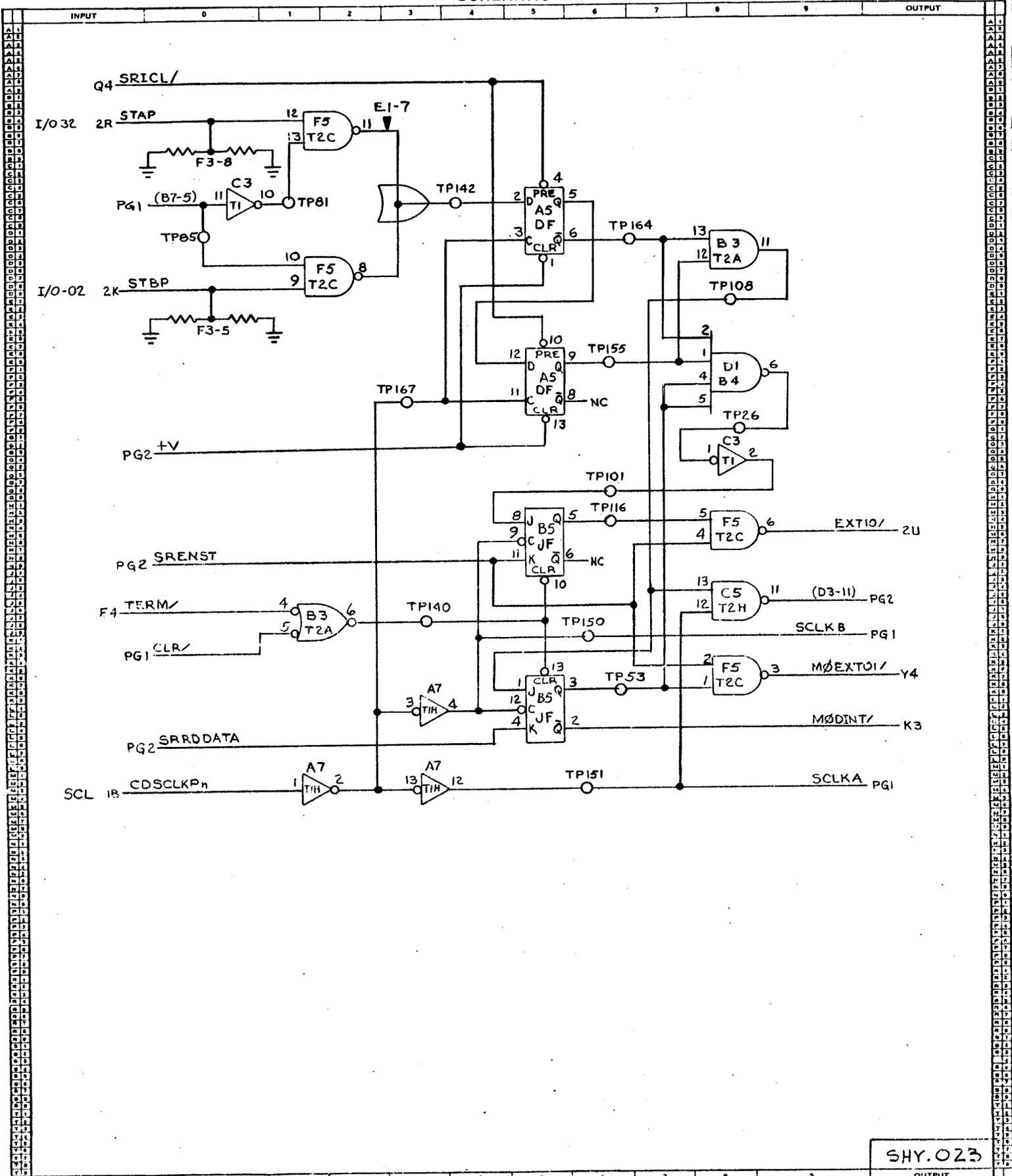
SCHMATIC



SHY.022

INPUT	0	1	2	3	4	5	6	7	8	9	OUTPUT
<p>Burroughs Corporation <small>SMALL SYSTEMS PLANT DOWNTOWN, PENNSYLVANIA 19336</small></p>											
<p>PROPERTY OF BURROUGHS CORP. NOT TO BE REPRODUCED OR USED FOR MANUFACTURING PURPOSES EXCEPT ON BUN. TUBES ORDER OR PRICE LIST (14) (C) (88-1)</p>											
<p>REVISIONS: 1. 10/23/64 2. 11/16/64</p>		<p>TITLE: SORTER READER SR2</p>		<p>NUMBER: 2601 4944</p>		<p>REV: C</p>		<p>PAGE 2 OF</p>			
<p>DATE: 8/29/64 CHECKED: R.W.S. DATE: 2-26-74</p>		<p>DESIGN: GRENOR DATE: 2-26-74</p>		<p>APPROVED: [Signature]</p>		<p>DATE: 2-26-74</p>		<p>235</p>			

SCHMATIC

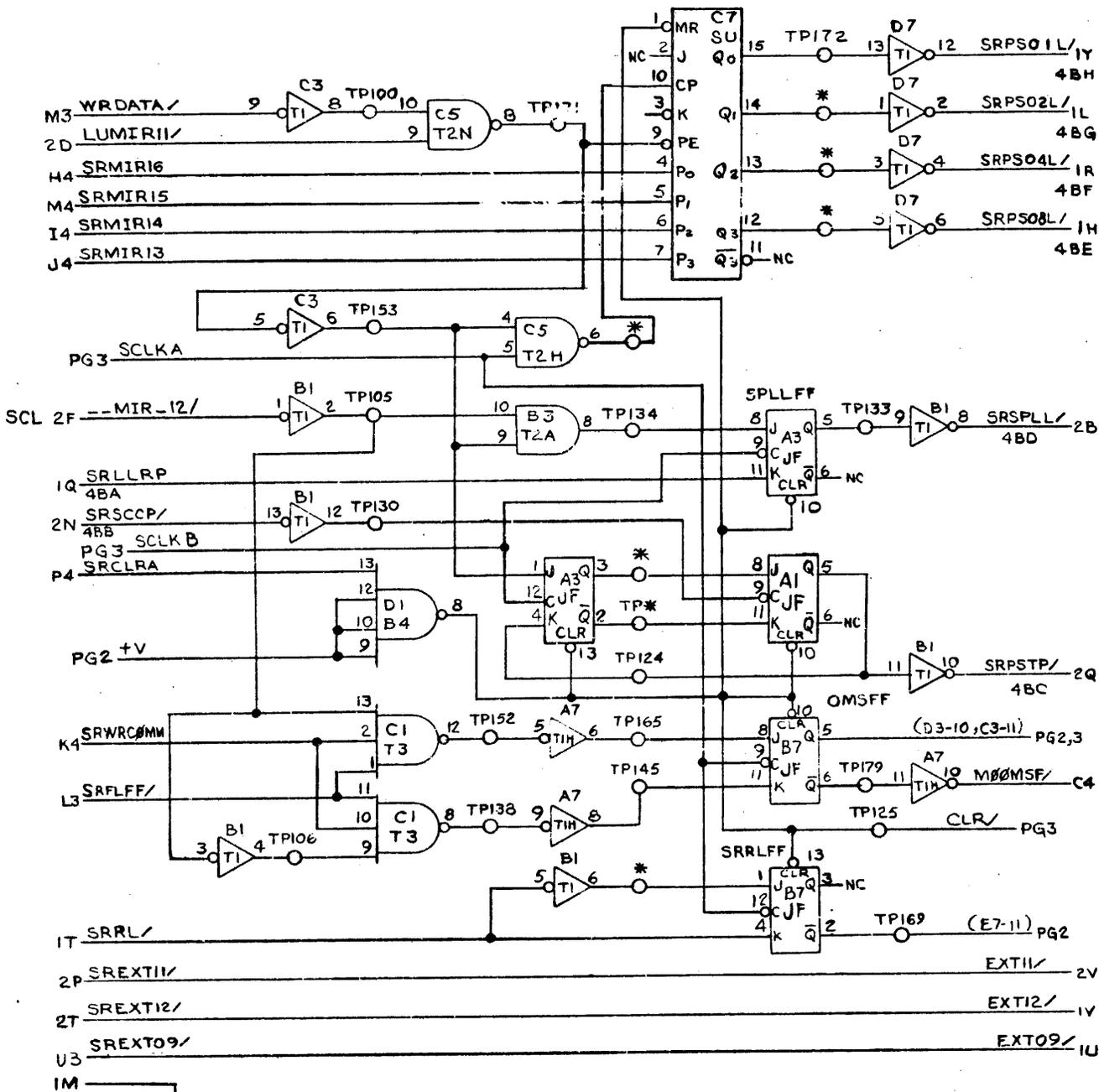


SHY.023

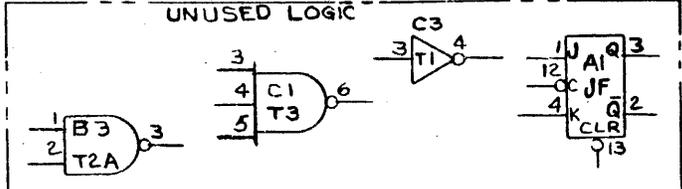
INPUT	0	1	2	3	4	5	6	7	8	9	OUTPUT
<p>Burroughs Corporation <small>EMV - SYSTEMS PLANT DOWNTOWN, PENNSYLVANIA 15330</small></p>											
<p>REVISIONS: 1. 2-26-74 2. 3-12-74</p>					<p>TITLE SORTER READER SR2</p>			<p>NUMBER 2601 4944</p>		<p>REV C</p>	
<p>PROPERTY OF BURROUGHS CORP - NOT TO BE REPRODUCED OR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT</p>					<p>DRAWN: <i>[Signature]</i> DATE: 2-26-74</p>		<p>DESIGN/ENGR: <i>[Signature]</i> DATE: 3-12-74</p>		<p>APPROVED: B. B. P. DATE: 3-12-74</p>		
<p>236</p>					<p>2601 4944</p>			<p>PAGE 3 OF</p>		<p>236</p>	

SCHEMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



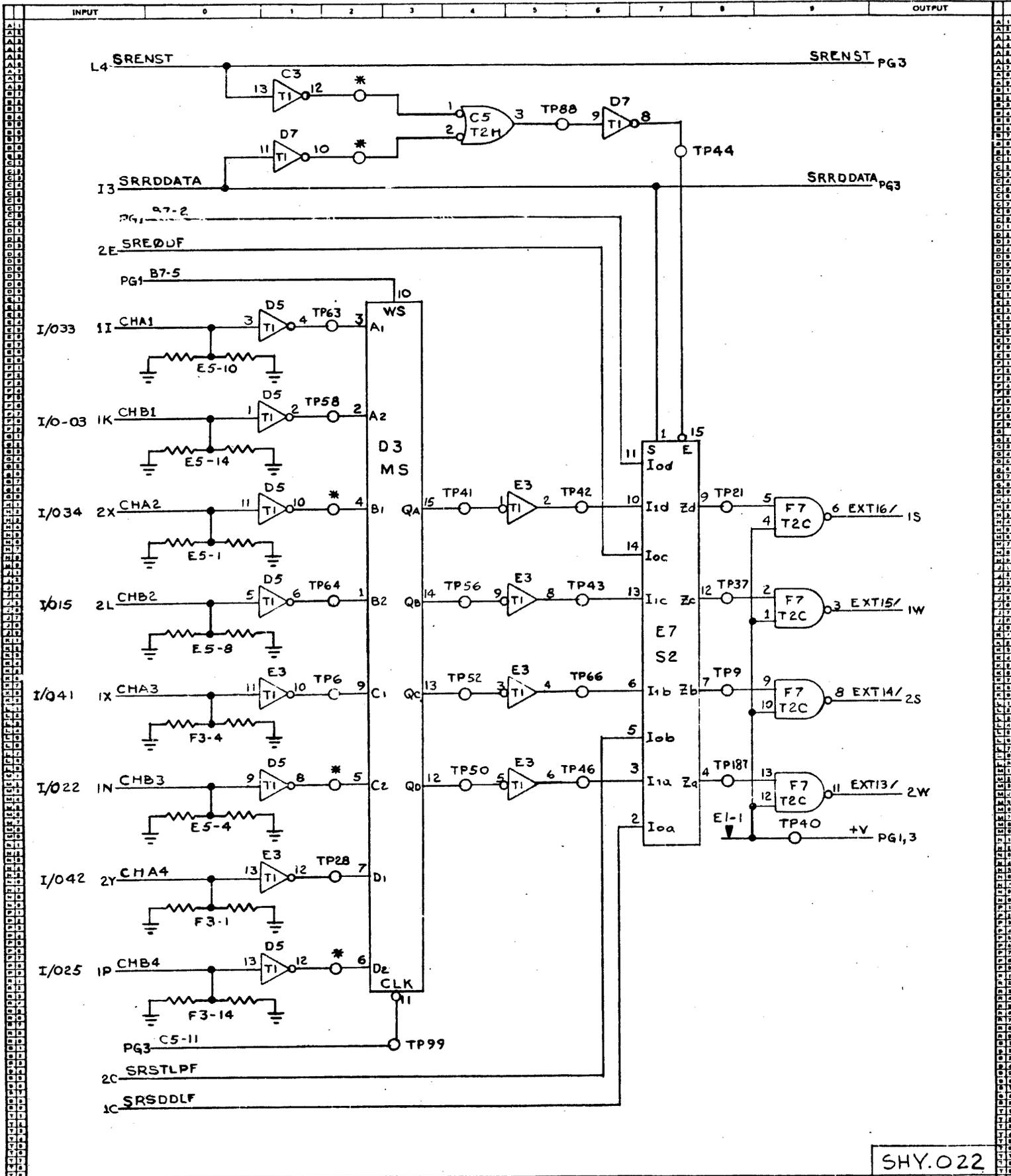
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R MOD	1448 2319	1
MS	1449 2029	1
DF	1447 3607	1
JF	1447 3615	4
SU	1447 3755	1
S2	1449 3797	1
B 4	1447 3599	1
T 3	1447 3540	1
TIH	1479 7971	1
T2H	1479 0240	1
T2C	1447 3581	2
T2A	1447 3524	1
TI	1447 3532	5
CODE	PART NO	QTY



SHY.021

Burroughs Corporation 1001 SYSTEMS PLANT DOWNTOWN, PENNSYLVANIA 15225	TITLE SORTER READER		SR2	NUMBER 2607 4054	REV A
	DRAWN CHECKED DATE	DATE DATE	DESIGN ENGR APPROVED DATE	DATE DATE	PAGE 1 of 3

SCHEMATIC

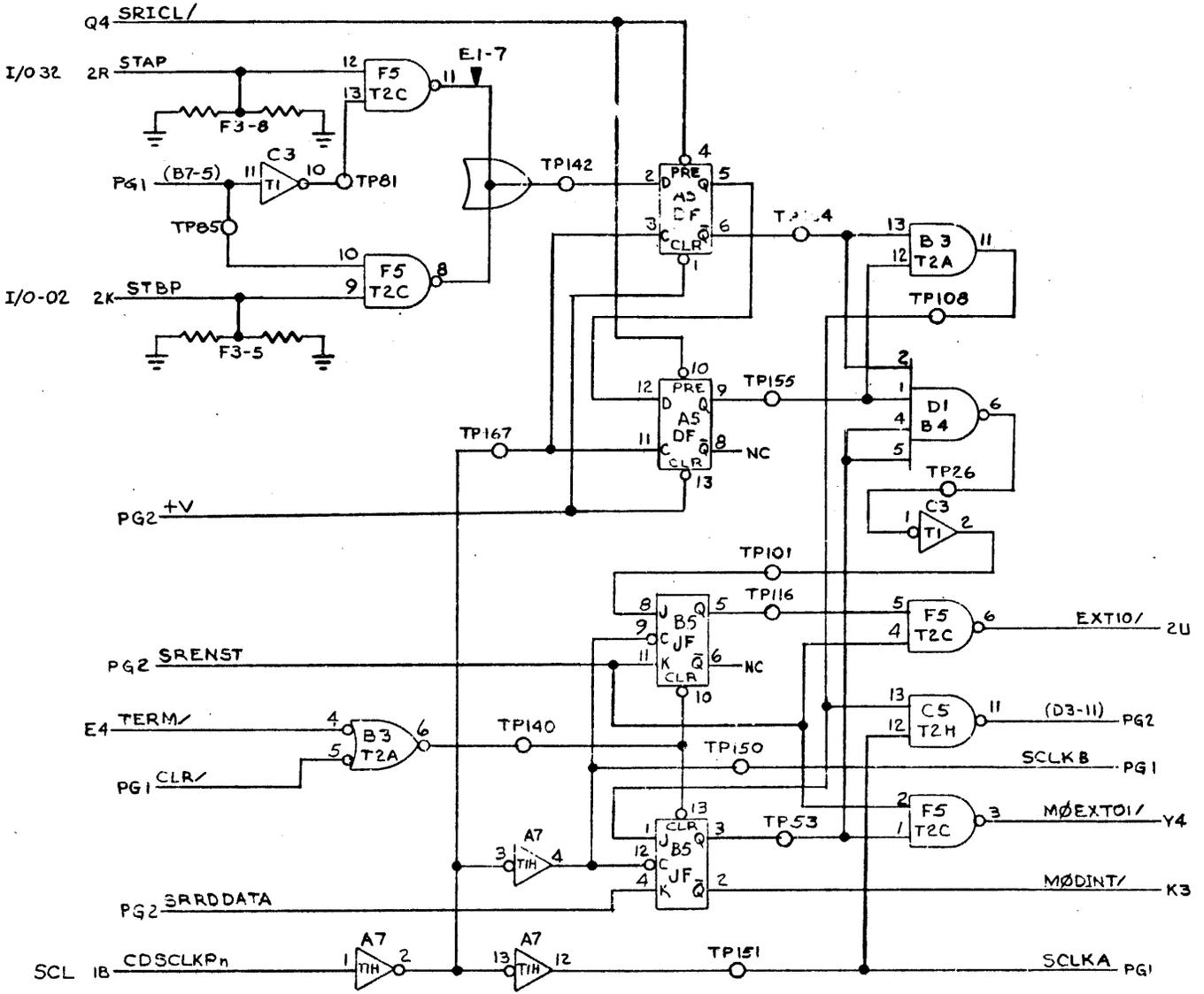


SHY.022

INPUT	0	1	2	3	4	5	6	7	8	9	OUTPUT																																
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2607 4054 Burroughs Corporation SMALL SYSTEMS PLANT DOWNTOWN, PENNSYLVANIA 19355	TITLE SORTER READER SR2				NUMBER 2607 4054		REV. A																																				
	DRAWN J. Jack	DATE 1-24-74	DESIGNER J. Jack	DATE 1-8-74	PAGE 2 OF		238																																				
	CHECKED G. [unclear]	DATE 1-24-74	APPROVED [unclear]	DATE 1-25-74																																							
	PROPERTY OF BURROUGHS CORP. - NOT TO BE REPRODUCED OR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR IN WRITTEN COMMENT.																																										

SCHEMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



SHY.023

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

Burroughs Corporation
1964 SYSTEMS PLANT
DUNMINGTON, PENNSYLVANIA 15030

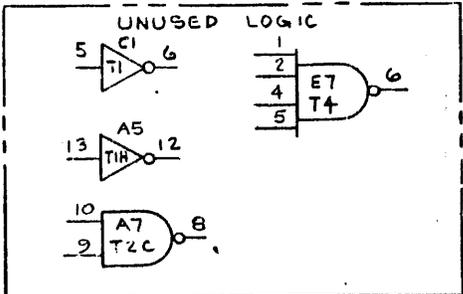
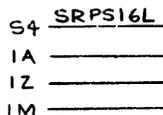
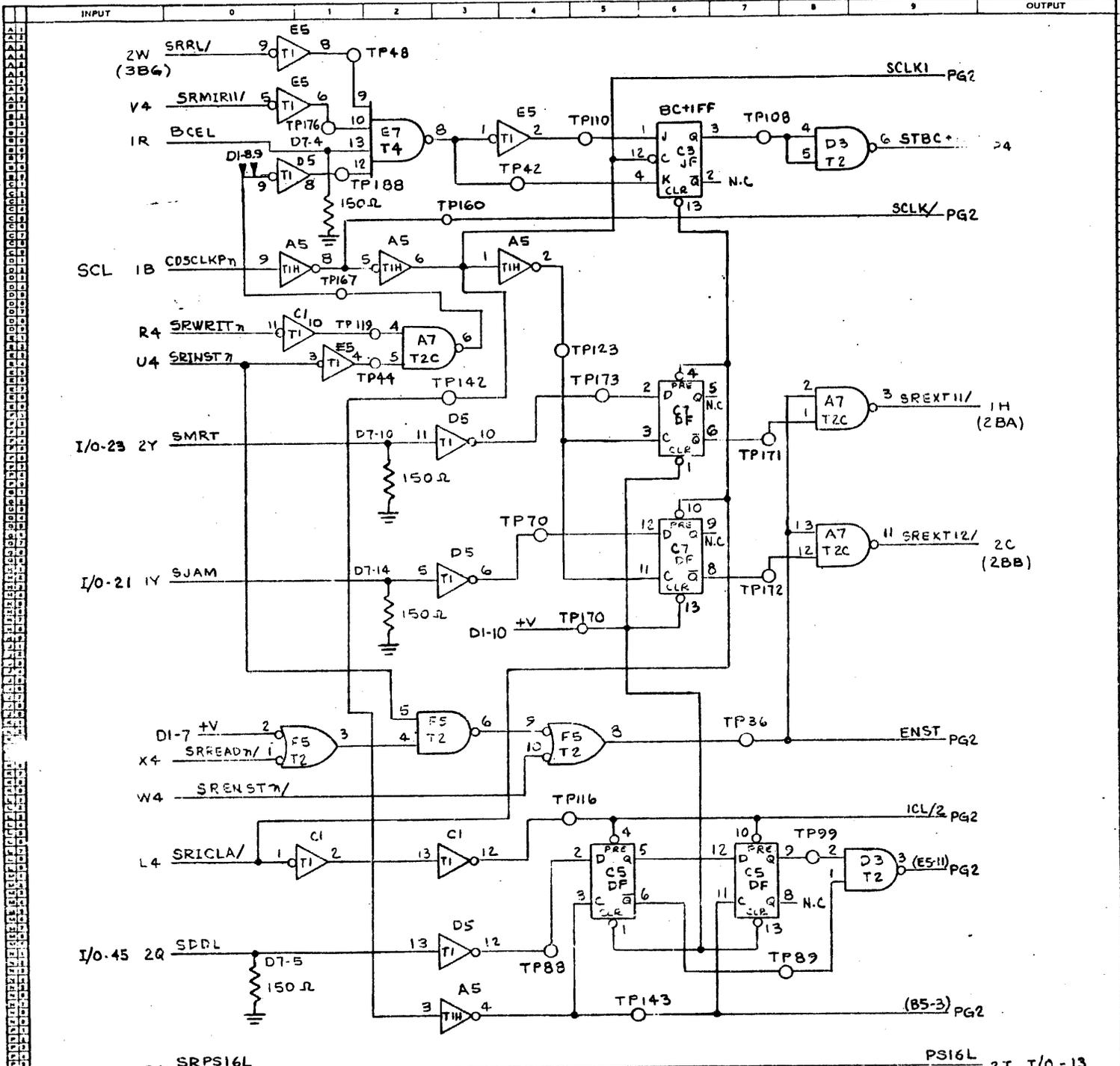
NO.	DATE	BY	DESCRIPTION
1	12-21-56	J. POERA	DESIGNED
2	1-2-57	J. POERA	APPROVED

TITLE SORTER READER SR2
NUMBER 2607 4054 A
PAGE 3 OF

2607 4054

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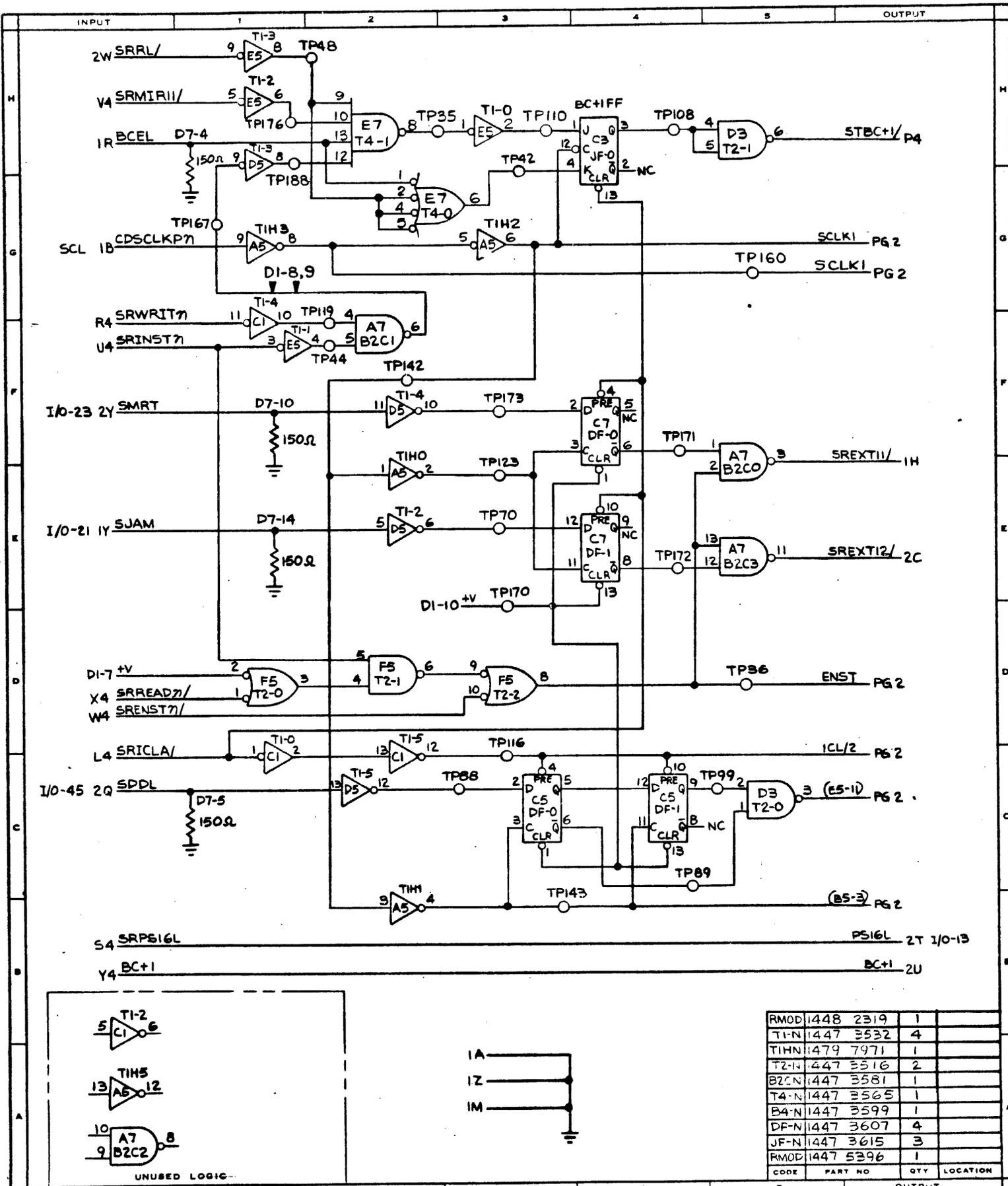
SCHEMATIC



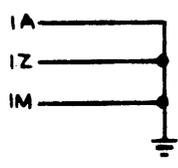
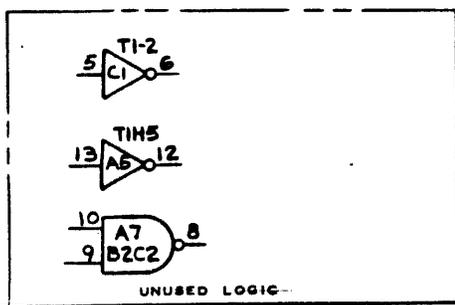
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TI	1447	3532	4
TIH	1479	7971	1
T2	1447	3516	2
T2C	1447	3581	1
T4	1447	3565	1
B4	1447	3599	1
DF	1447	3607	4
JF	1447	3615	3
RMOD	1447	5376	1
CODE	PART NO.	QTY	

CC 2-9520 SHY.031

Burroughs Corporation <small>SMALL SYSTEMS PLANT DOWNSBORO, MASSACHUSETTS 01938</small>		REVISIONS A: 12/15/73 B: 1/10/74 C: 2/15/74 D: 3/15/74		TITLE SORTER-READER SR3 DRAWN: J.SCHENNIK 2/12/74 CHECKED: DATE: APPROVED: DATE:		NUMBER: 26014977 PART: D PAGE 1 OF 2	
26014977 240		21 PG. NO. CD REV		PRINTED IN U.S.A. 240		INPUT C 1 2 3 4 5 6 7 8 9 OUTPUT	



S4 SRPS16L PS16L 2T I/O-13
 Y4 BC+1 BC+1 2U



RMD	1448	2319	1	
TI-N	1447	3532	4	
TIH-N	1479	7971	1	
T2-N	1447	3516	2	
B2-N	1447	3581	1	
T4-N	1447	3565	1	
B4-N	1447	3599	1	
DF-N	1447	3607	4	
JF-N	1447	3615	3	
RMD	1447	5296	1	
CODE	PART NO	QTY	LOCATION	

242 Burroughs Corporation

COMPUTER SYSTEMS GROUP DOWNINGTOWN PLANT U.S. AMERICA

REV SH: B A 1 2

DATE: 11-13-75

TITLE: SORTER READER SR3

CLASS CODE: 2-9520

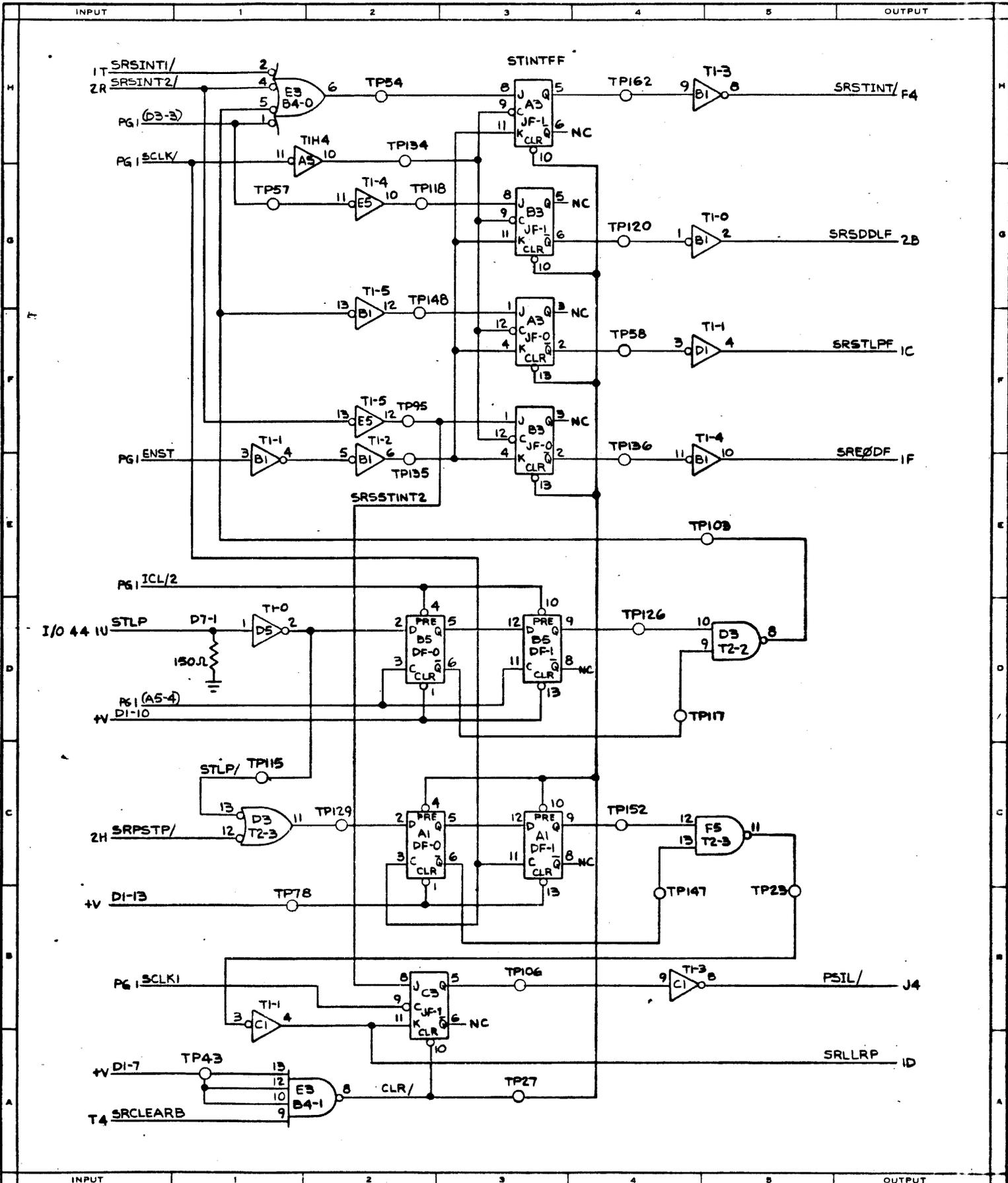
242

1 of 2

2606 5102

038 B

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Burroughs Corporation

COMPUTER SYSTEMS GROUP DOWNTOWN PLANT
DOWNTOWN, PA 19335 U.S. AMERICA

REVISIONS

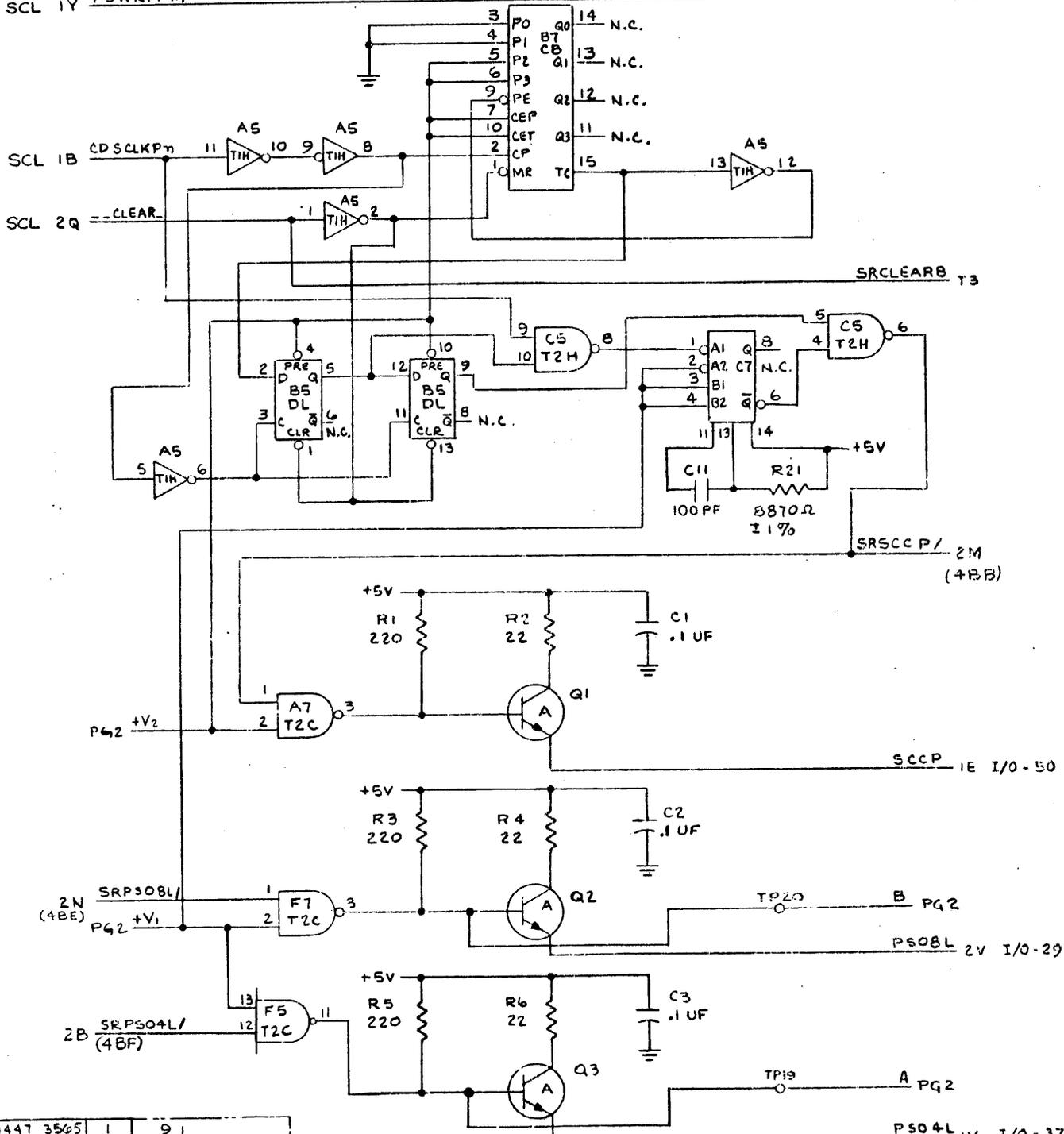
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PRINTED IN U.S.A.

243

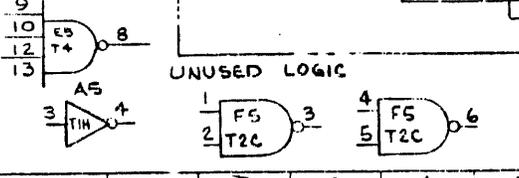
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SHEET 2	DWG. NO. 2606 5102	PLT NO. 038	REV A

SCHMATIC

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SCL IX	--MIR-11/									SRMIR11/	V3
IG	ICL/									SRICLA/	L3
SCL F3	SRSTINT/									SINTn/	Z1
SCL IN	PSENSTn/									SRENSTn/	W3 SCL
SCL IR	PSREADn/									SRREADn/	X3
IS	PSINSTn/									SRINSTn/	U3
SCL IY	PSWRITn/									SRWRITn/	R3



T4	1447 3565	1
T1H	1479 7971	1
T2H	1479 0240	1
T2C	1447 3581	3
DL	1447 3623	1
TAON	1901 7102	1
CB	1447 3771	1
CODE	PART NO.	QTY



NOTES:

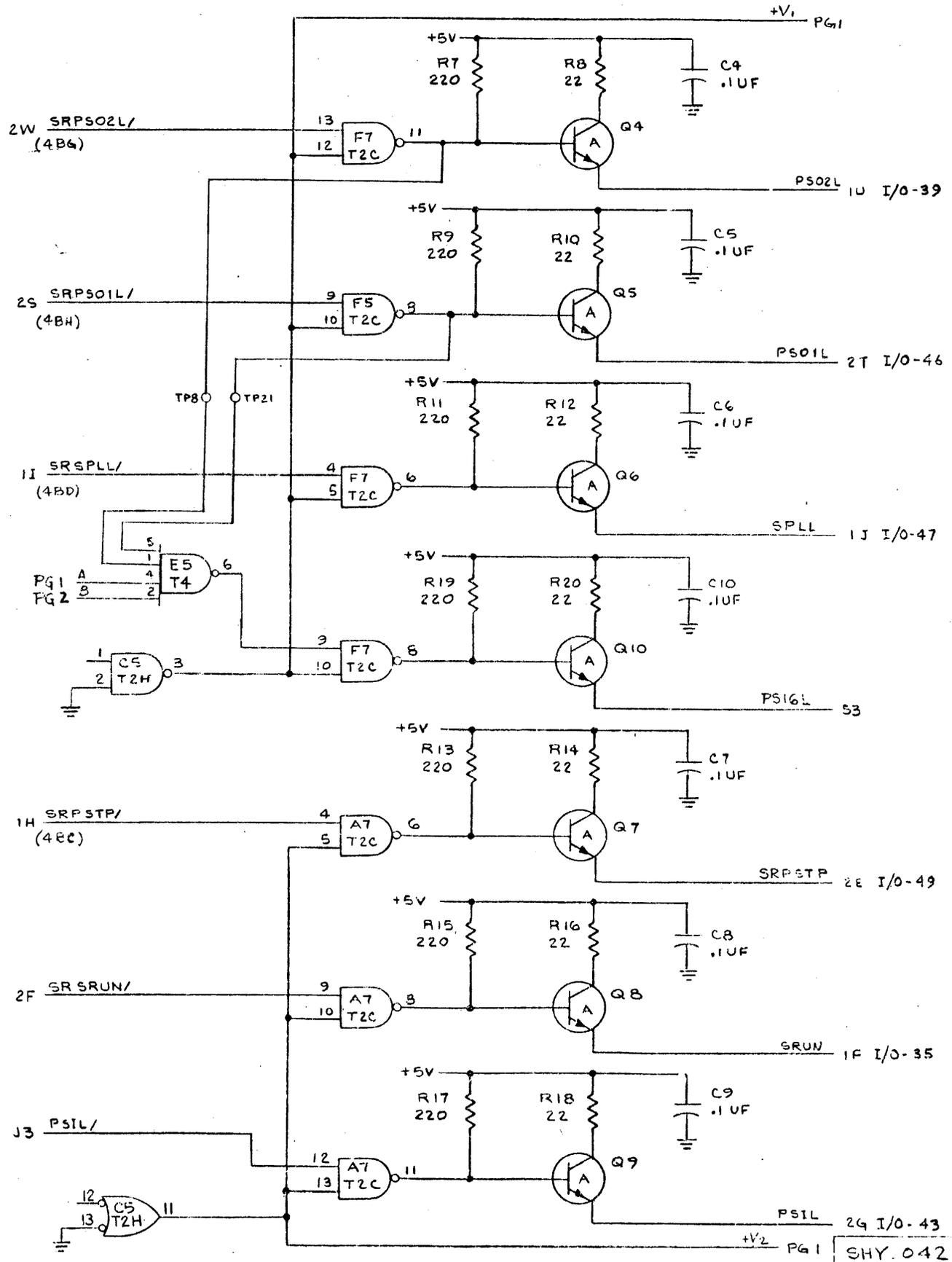
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2. UNLESS OTHERWISE SPECIFIED, RESISTOR VALUES ARE IN OHMS, ±5%, 1/2W.
3. COMPONENTS IDENTIFIED BY LETTERS A, B, ETC. INDICATE PART NUMBERS AS FOLLOWS: TRANSISTORS: A = 1471 4760

SHY.041

Burroughs Corporation SMALL SYSTEMS PLANT DOWNTOWN, PENNSYLVANIA 19336		TITLE SORTER READER SR4 NUMBER 2601 5008 D	
DRAWN: J. SCHLENNER CHECKED: P. L. S. J. DATE: 2-11-74 DATE: 2-18-74	DESIGNER: ENGR DATE: 3/6/74	APPROVED: [Signature] DATE: 3/6/74	PAGE 1 OF 2 CC-2-9520 PRINTED IN U.S.A. 244
REVISIONS: [Table with 5 columns: No., Description, Date, By, Appr.]		21 PG. NO. DD REV	

SCHEMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

Burroughs Corporation
SMALL SYSTEMS PLANT
 DORNINGTOWN, PENNSYLVANIA 19358

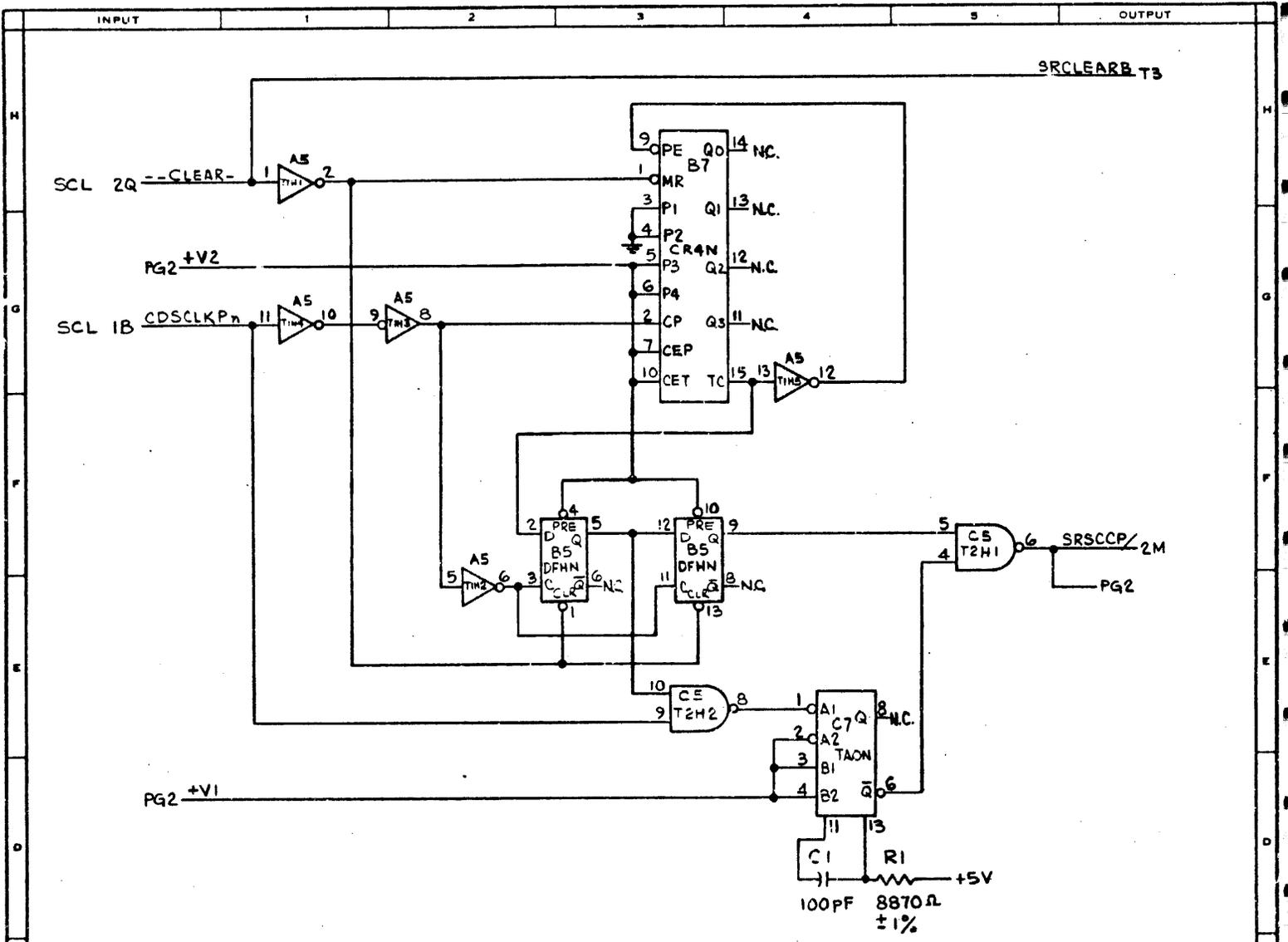
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 1. REVISED 1/15/74
 2. REVISED 2/10/74
 3. REVISED 2/29/74
 4. REVISED 2/29/74
 5. REVISED 2/29/74
 6. REVISED 2/29/74
 7. REVISED 2/29/74
 8. REVISED 2/29/74
 9. REVISED 2/29/74
 10. REVISED 2/29/74

TITLE SORTER READER SR4
 DRAWN: J. SCHLENNER 2-10-74
 CHECKED: DATE: 2-9-74
 DESIGNED: DATE: 2-9-74
 APPROVED: B. B. G. DATE: 2-12-74

NUMBER: 2601 5008 D
 PAGE 2 OF

+V2 PG1 SHY.042

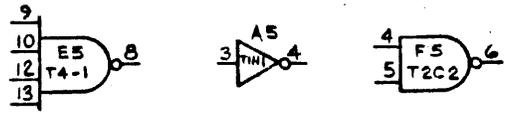
245



SCL 1X	--MIR-11/	SRMIR11/	V3
1G	ICL/	SRICLA/	L3
SCL F3	SRSTINT/	SINTn/	2I
SCL IN	PSENSTn/	SRENSTn/	W3 SCL
SCL IR	PSREADn/	SRREADn/	X3
1S	PSINSTn/	SRINSTn/	U3
SCL 1Y	PSWRITn/	SRWRITn/	R3

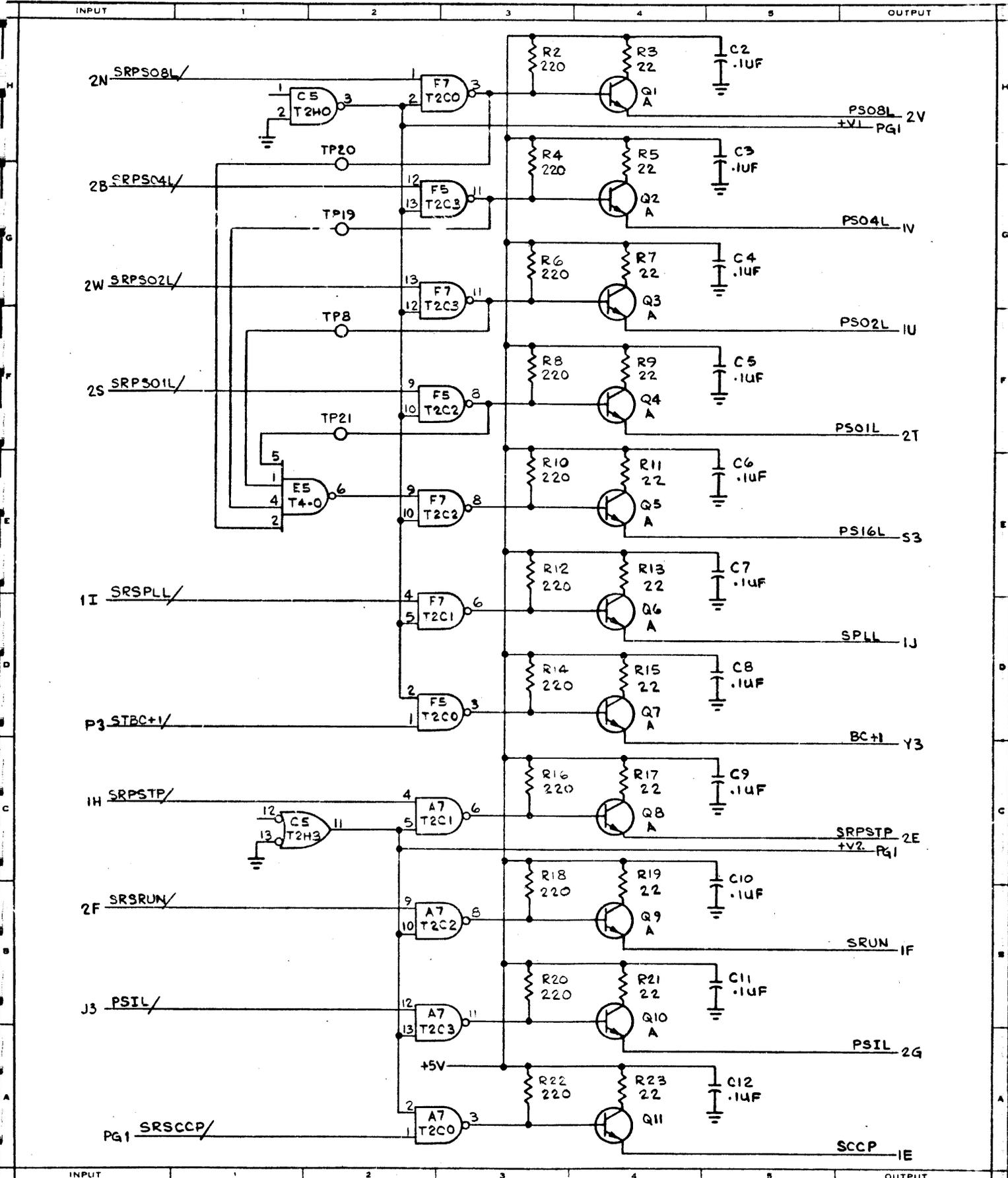
NOTES:
 1. CAPACITORS C13 THRU C17 ARE FOR I.C. DECOUPLING.
 2. UNLESS OTHERWISE SPECIFIED, RESISTOR VALUES ARE IN OHMS $\pm 5\%$, 1/2 W.
 3. COMPONENTS IDENTIFIED BY LETTERS A, B ETC. INDICATE PART NUMBERS AS FOLLOWS:
 TRANSISTORS: A = 1471 4760

TA0N	1901 7102	1	
TIHN	1479 7971	1	
T2HN	1479 0240	1	
CR4N	1447 3771	1	
DFHN	1447 3623	1	
B2CN	1447 3581	3	
T4-N	1447 3565	1	
CODE	PART NO	QTY	LOCATION



UNUSED LOGIC

246 Burroughs Corporation COMPUTER SYSTEMS GROUP DOWNTOWN PLANT DOWNTOWN, PA 19238		DOWNTOWN PLANT U.S. AMERICA		REV SH 1 2	A A 1 2	DRAWN DATE 10-9-75 CHECKED DATE 11-4-75 DESIGNED DATE 10-2-75 APPROVED DATE 10-3-75	TITLE SR4	CLASS CODE 2-9520
PROPRIETARY TO BURROUGHS CORP. - NOT TO BE REPRODUCED, NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRICE-WRITTEN CONSENT. PRINTED IN U.S. AREA CA		246		SHEET 1 OF 2 DWG NO. 2606 5136		PLT NO 038 REV A		DTM 88 REV 12-78



Burroughs Corporation
 COMPUTER SYSTEMS GROUP DOWNTOWN PLANT
 DOWNTOWN PA 19235 U.S. AMERICA

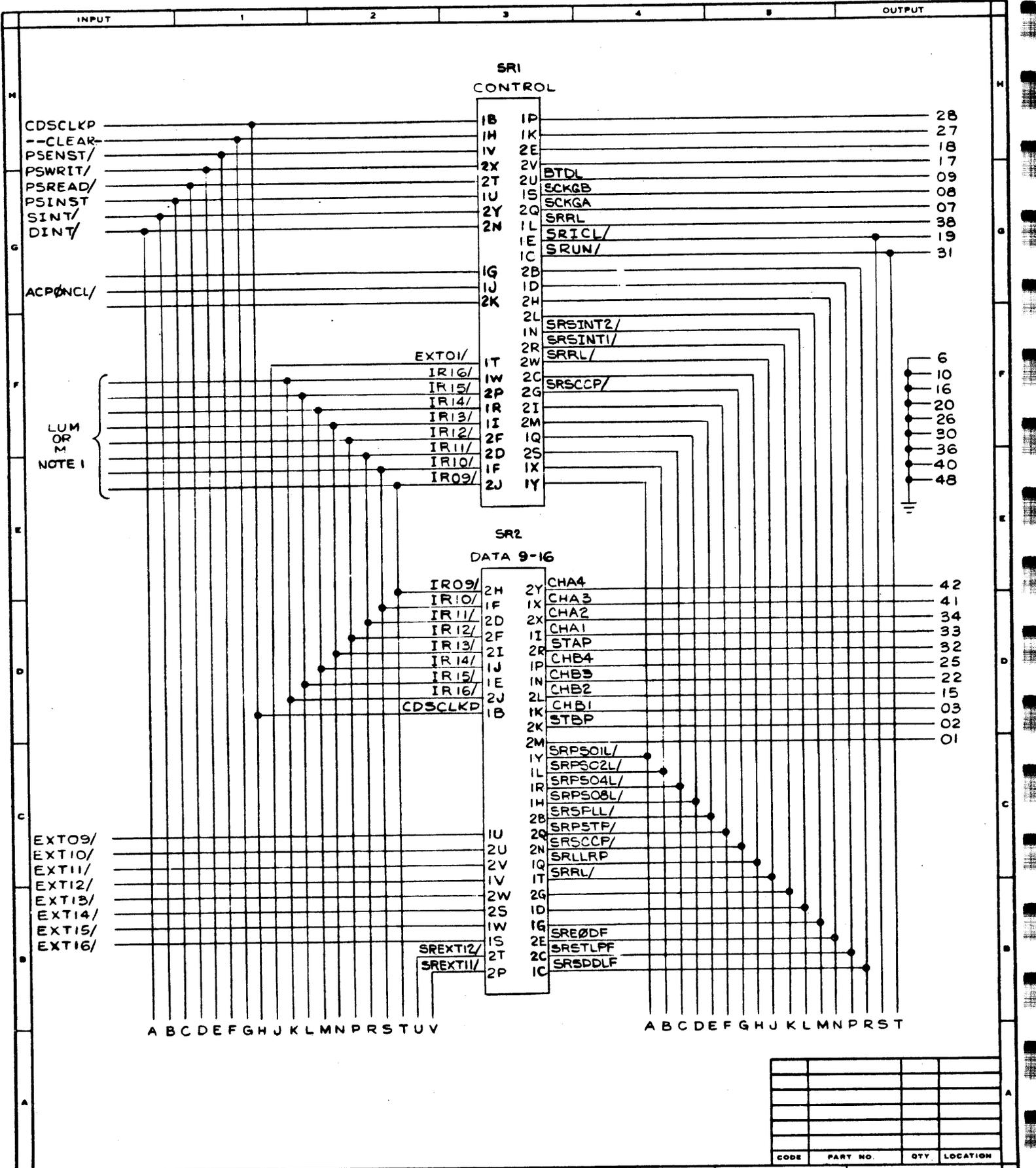
REVISIONS

TITLE		CLASS CODE	
SR4		2-9520	
SHEET	DWG NO.	PLT NO.	REV
2	2606 5136	038	A

247

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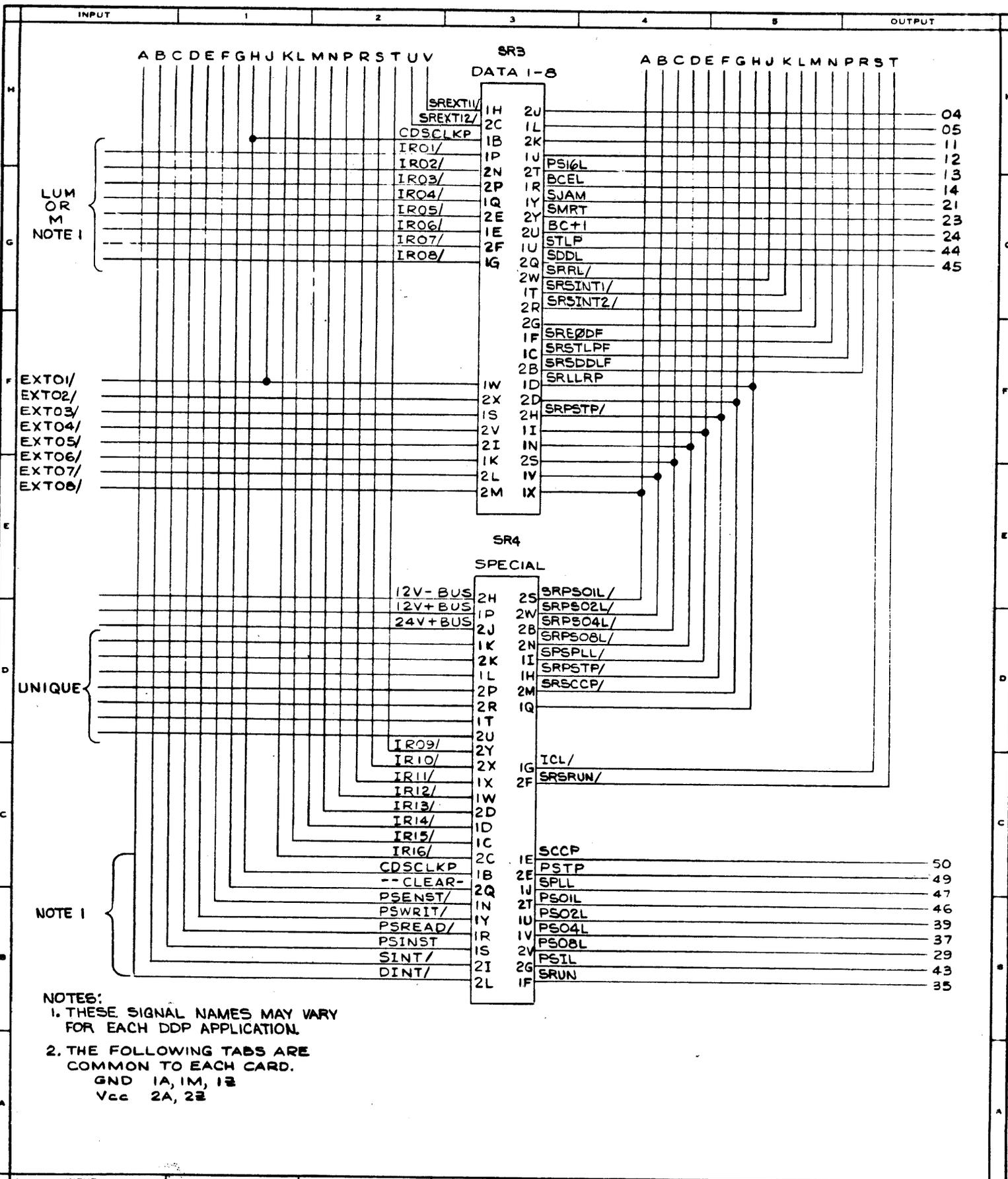
DIN 169 12 76



INPUT	1	2	3	A	B	OUTPUT																														
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REV	A	A																																		
SH	1	2																																		
DRAWN	DATE	TITLE	CLASS CODE																																	
C. ZUTSKI	1-4-76	DDP SR	2-9520																																	
CHECKED	DATE	SHEET	DWG NO.																																	
W. K. ...	3/10/76	1 of 2	2606 9690																																	
APPROVED	DATE	PLT NO.	REV																																	
E. ...	3-1-76	038	A																																	

248

PRINTED IN U.S. AMERICA



LUM OR M
NOTE 1

EXT01/
EXT02/
EXT03/
EXT04/
EXT05/
EXT06/
EXT07/
EXT08/

UNIQUE

NOTE 1

NOTES:
1. THESE SIGNAL NAMES MAY VARY FOR EACH DDP APPLICATION.
2. THE FOLLOWING TABS ARE COMMON TO EACH CARD.
GND 1A, 1M, 1Z
Vcc 2A, 2Z

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 DOWNINGTOWN PLANT
 DOWNINGTOWN, PENNSYLVANIA 19335

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 CONSENT

NUMBER
 2603 0056

REV
 B

TITLE
 FIELD INSTALLATION INSTRUCTIONS FOR
 READER-SORTER CONTROL OPTION
 (B131 AND B131-1)

PREPARED BY
 H. Caswell 11-3-75
H. Caswell

APPROVED BY
 B. Dinerman
B. Dinerman 11-4-75

ORIGINAL RELEASE DATE
 11-10-75

PAGE 1 OF 3

REVISIONS

LEVEL	DESCRIPTION	DATE	APPROVED
A	Initial Release. <i>ER 95 REV 56</i>		
B	Revised per ECN 4918. Added Style B131-1.	<i>5/27/76</i>	<i>H. Caswell</i>

2603 0056

250

250



1. SCOPE

1.1 Scope.- This document defines the instructions for field installation of the following reader-sorter control options:

<u>Style No.</u>	<u>Description</u>	<u>M&E No.</u>
B131	Reader-Sorter Control	2601 6600
B131-1	Reader-Sorter Control (with Endorser Option)	2606 5672

1.2 Option items.- The control options consists of the following items:

Quantity	Description	Part No.	
		B131	B131-1
1	Circuit Card Assembly SR1	2601 4894	2601 4894
1	Circuit Card Assembly SR2	2601 4928	2607 4047
1	Circuit Card Assembly SR3	2601 4951	2606 5086
1	Circuit Card Assembly SR4	2601 4985	2606 5110
2	Connector Assembly	2605 0807	2605 0807
1	Cable Assembly	2601 6592	2606 5177
4	Screw	2300 4468	2300 4468
1	Decal	2606 6373	2606 6753

2. INSTALLATION INSTRUCTIONS

- (a) Insert the four circuit card assemblies into the appropriate DDP backplane locations in accordance with system requirements. Refer to the backplane map contained in the system FT&R documentation package for specific DDP card locations. This option is installed only in the I/O expansion backplane.
- (b) Attach the two connector assemblies to the frontplane connector end of the following card pairs:
 - SR1 and SR2
 - SR3 and SR4
- (c) On the insertion side of the backplane, attach the 50-pin connector end of the cable assembly which has the strain relief bracket to the appropriate I/O connector.
- (d) Secure the 50-pin connector on the other end of the cable assembly to the adapter panel using the screws provided.

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NUMBER

2603 0056

REV

B

PAGE

3

OF

3

- (e) Affix the decal to the configuration plate in the space for the DDP location which uses this control option.
- (f) Option installation is now complete.

252

252

DTN 147 9-74

DWG NO.
1449 0288

SHEET 2 OF	
RELEASED	
A	ECN1131 10-10-72
B	ECN1136 10-27-72
C	ECN1163 JES
D	ECN1179 11-15-72
E	ECN2777 9-16-74
F	ECN2827 DE
G	ECN3505 11-18-74

WIRE NO.	CONDUCTOR			FROM			TO			REMARKS	WIRE NO.	CONDUCTOR			FROM			TO			REMARKS
	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES			TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION		
2-1	22	BROWN	P1	1	SOLDER	TBA GTBI	A1 A2	1033 9844	5V+ BUS	26											
2	26	RED		2	WIRE WRAP	P2	20	WIRE WRAP	GRD	27											
3	22	BROWN		3	SOLDER	TBB GTBI	B6 B0	1033 9844	12V+ BUS	28											
4	26	RED		4	WIRE WRAP	P2	30	WIRE WRAP	GRD	29											
5	22	BROWN		5	SOLDER	TBB GTBI	A4 A7	1033 9844	12V- BUS	30											
6	26	RED		10	WIRE WRAP	P2	21	WIRE WRAP	BSY/	31											
7				15			4		TRWP/	32											
8				14			38		TWIL/	33											
9				9			36		GRD	34											
10				13			28		TWCP/	35											
11				8			26		GRD	36											
12				16			5		RCL/	37											
13				17			44		TWL/	38											
14				18			7		HSL/	39											
15				19			11		FDL/	40											
16				20			12		BDL/	41											
17				21			16		GRD CSL/	42											
18				12			17		TRCL/	43											
19				7			6		GRD	44											
20				11			8		TRIP/	45											
21				6			10		GRD	46											
22				22			14		CLPL/	47											
23				23			13		TPRL/	48											
24				24			32		TWRL/	49											
2-25	26	RED	P1	25	WIRE WRAP	P2	23	WIRE WRAP	TREL/	50											

NOTES:

253

DRAWN	DATE
C.L. BISCHOFF	9-7-72
CHECKED	DATE
R. WEAVER	9-12-72
DSGN OR ENGR	DATE
E. BOSCH	9-19-72
APPROVED	DATE

Burroughs Corporation 

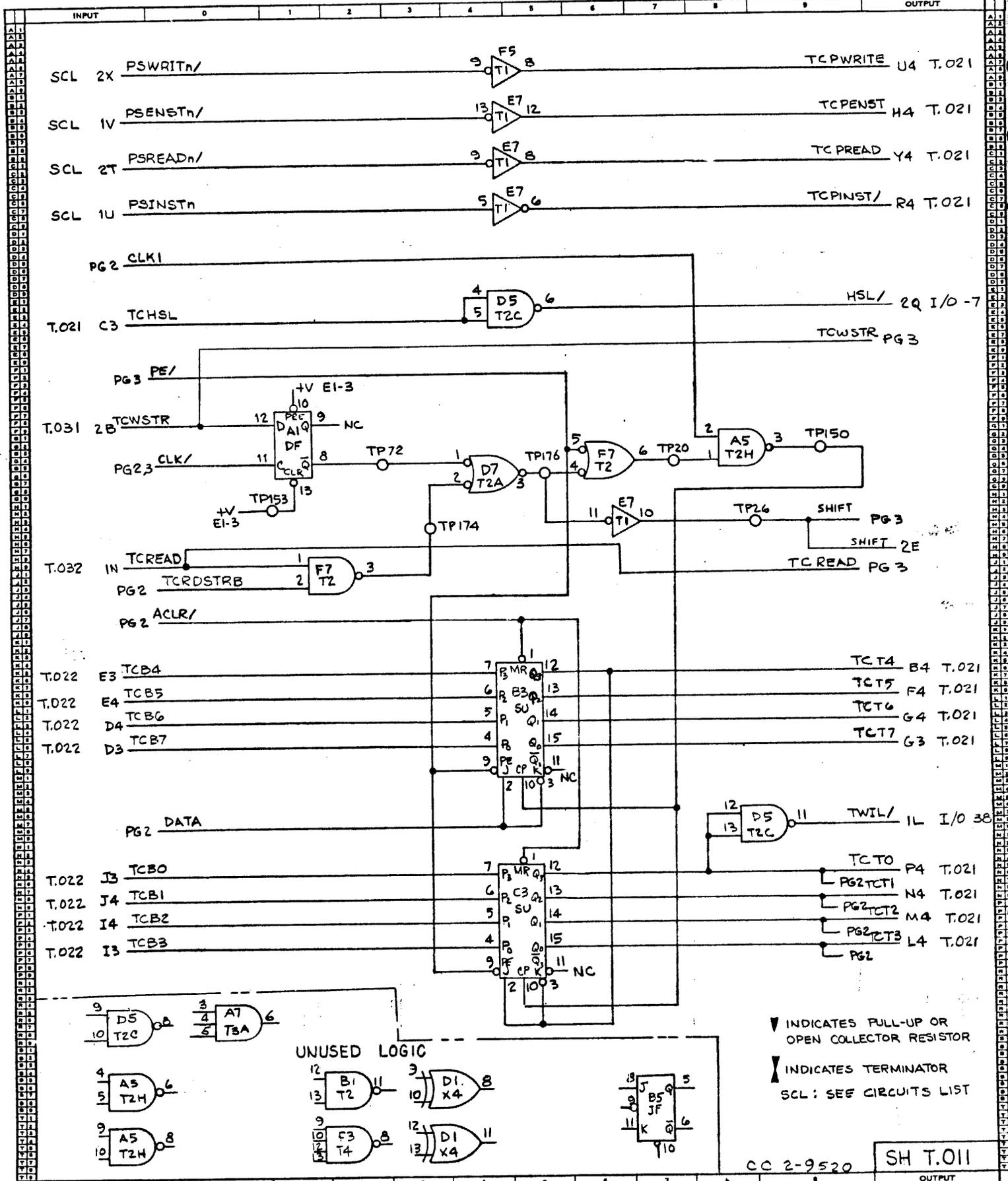
COMPUTER SYSTEMS GROUP DOWNINGTOWN PLANT
DOWNINGTOWN PA 19335 U.S. AMERICA

TITLE WIRE LIST
ADAPTER CABLE TAPE CASSETTE

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SHEET DWG NO
2 OF 2 1449 0288

SCHEMATIC



▽ INDICATES FULL-UP OR OPEN COLLECTOR RESISTOR
 ▽ INDICATES TERMINATOR
 SCL: SEE CIRCUITS LIST

CC 2-9520 SH T.011

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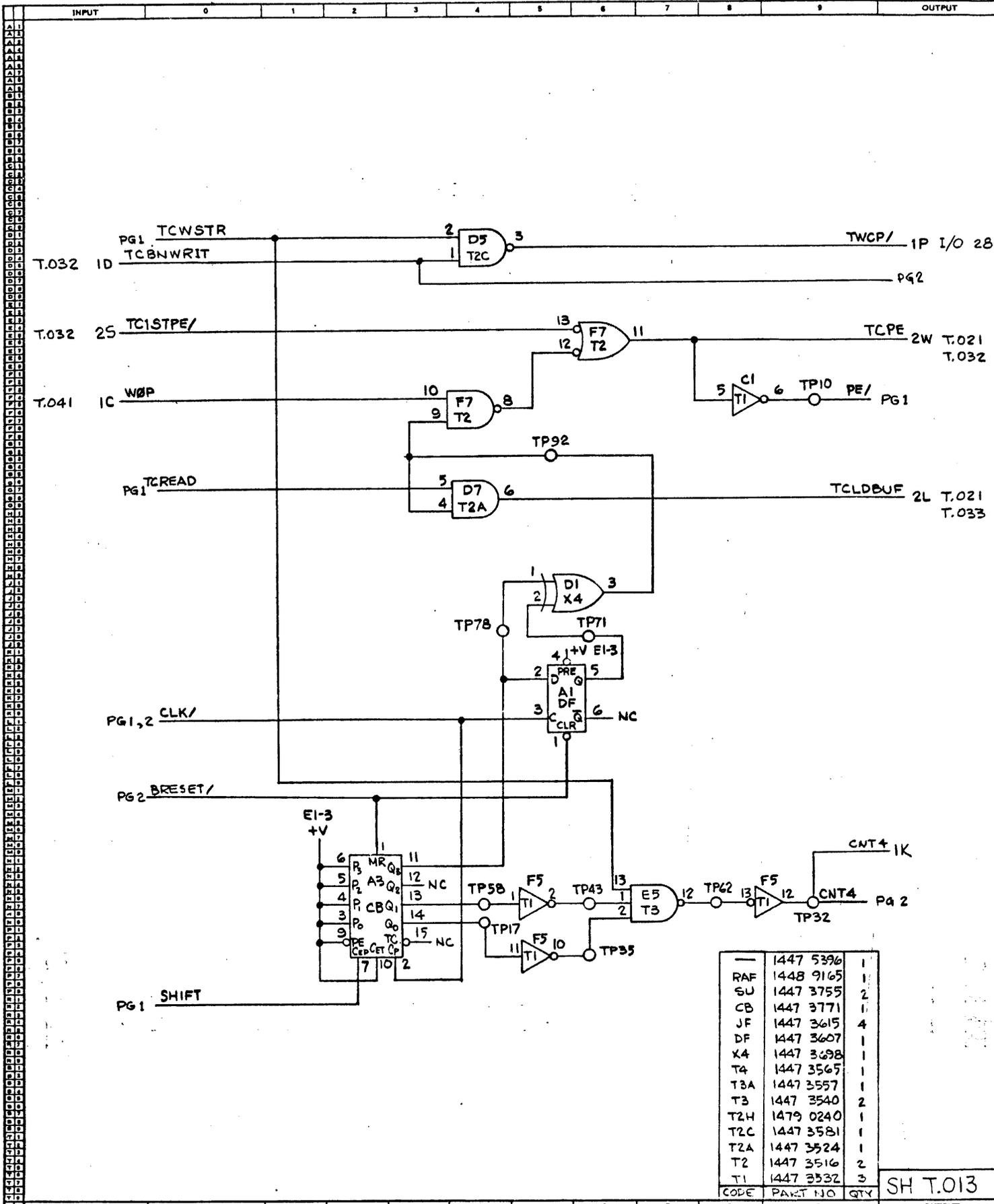
PRODUCTION

TITLE TC1 TAPE CASSETTE 1
 SYSTEM B700
 DRAWN J. INCH
 APPROVED
 CHECKED *[Signature]*
 RELEASED 10-6-72

DWG. NO. 1448 9124
 PAGE 1 OF 3
 REV. LETTER H PER ECW 2506
 11-18-74 AFT

PRODUCTION 254

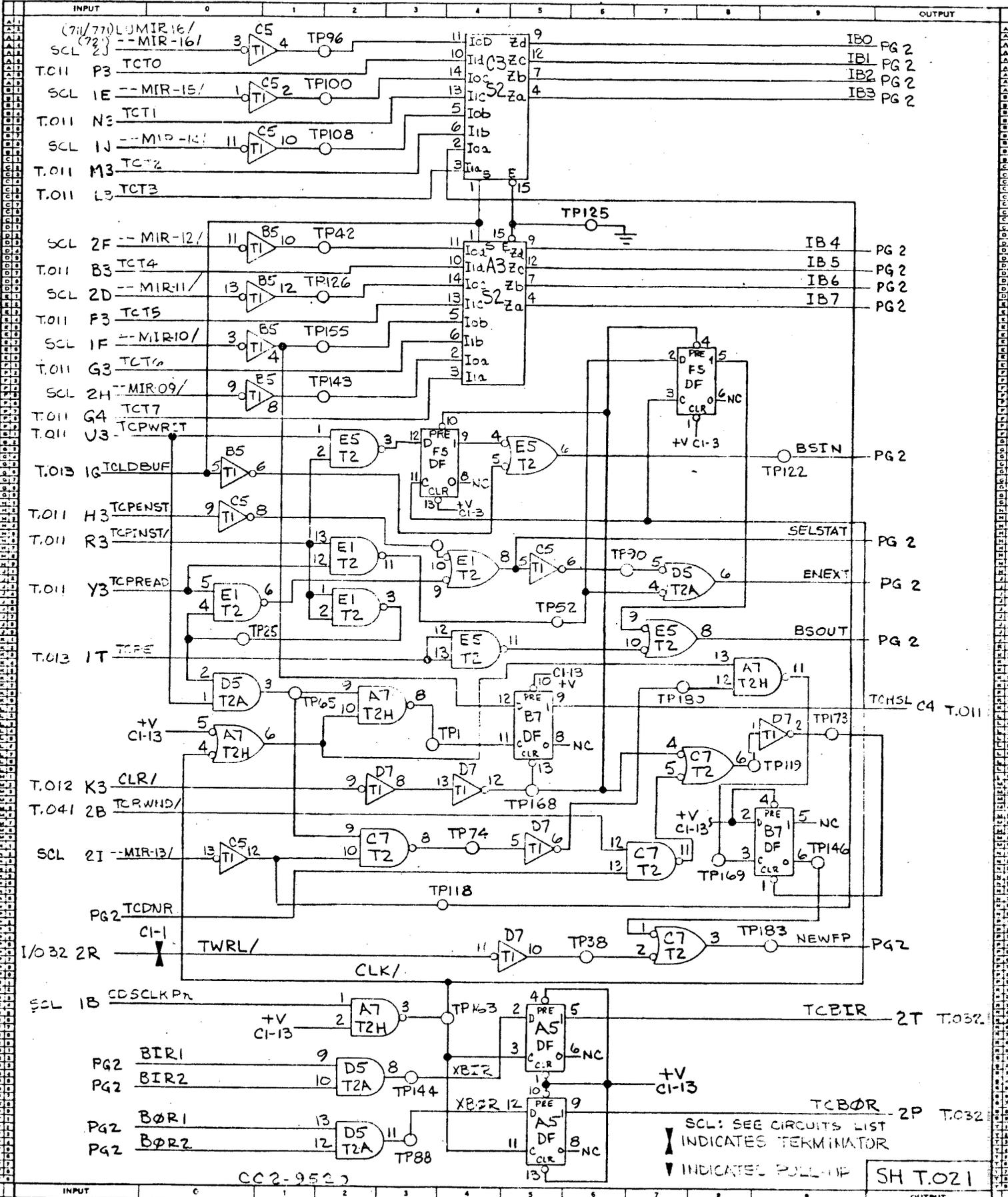
SCHEMATIC



SH T.013

<p>Burroughs Corporation</p> <p>MAGNETIC SYSTEMS PLANT DOWNTOWN, PA 19388</p> <p><small>PROPERTY OF BURROUGHS CORP. NOT TO BE REPRODUCED NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT</small></p>	<p>PRODUCTION</p>	<p>TITLE TC1 TAPE CASSETTE 1</p> <p>SYSTEM B700</p> <p>DRAWN J. INCH</p> <p>APPROVED <i>[Signature]</i></p> <p>RELEASED 10-6-72</p>	<p>DWG. NO. 1448 9124</p> <p>PAGE 3</p> <p>REV. LETTER H PER ECN 3555</p>
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SCHMATIC



SCL: SEE CIRCUITS LIST
 ▾ INDICATES TERMINATOR
 ▽ INDICATES PULL-UP

Burroughs Corporation
 MAGNETIC SYSTEMS PLANT
 DOWNTOWN PA 19338

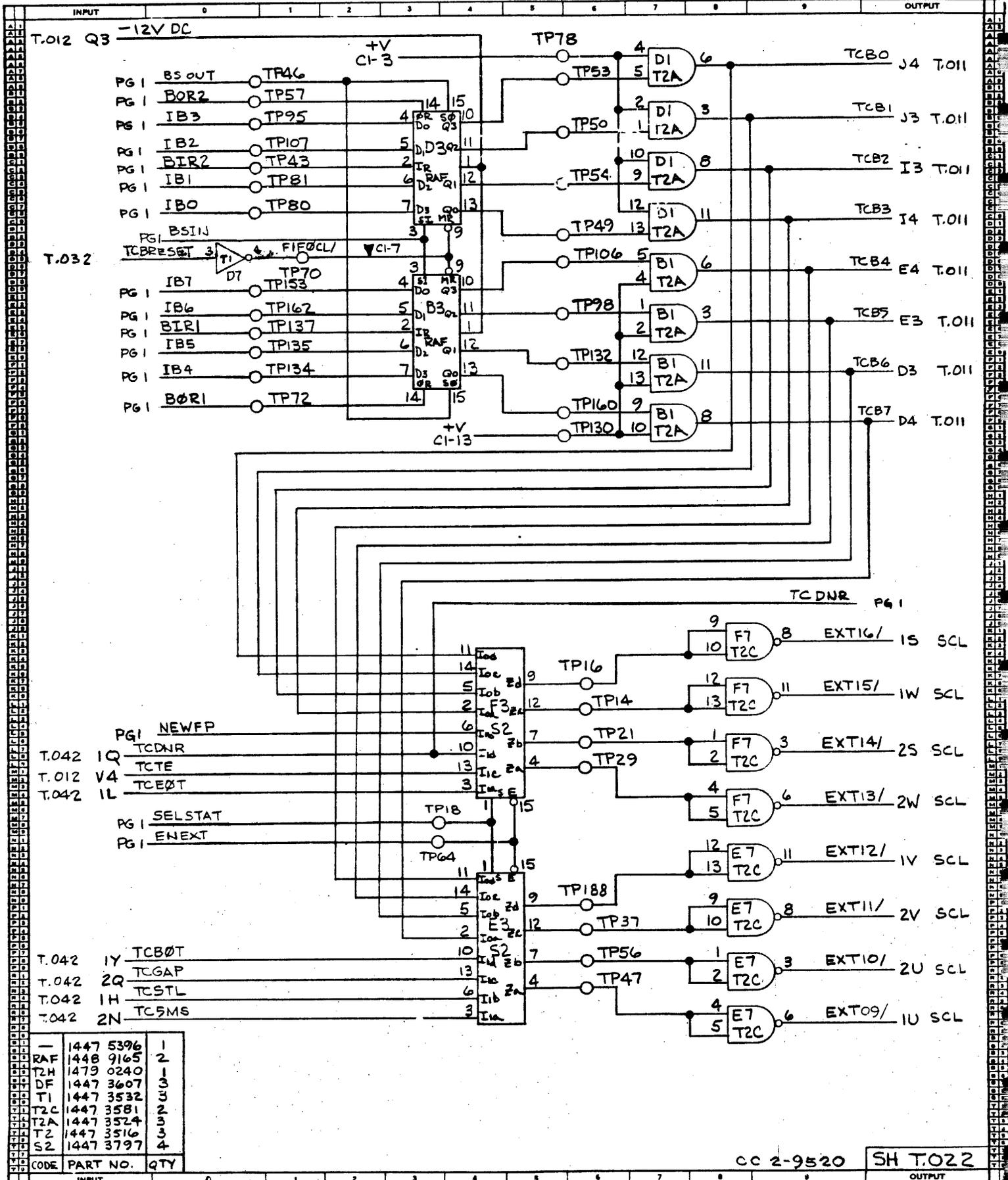
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 SYSTEM B700
 DRAWN R.W. 6-28-72 CHECKED
 APPROVED B. DIWERMAN RELEASED 10-6-72

DWG. NO. 1448 9157
 PAGE 1 OF 2
 REV. LETTER G EQN 4662

SH. NO. 1 2
 REV. 9 6

257 PRINTED IN U.S.A.

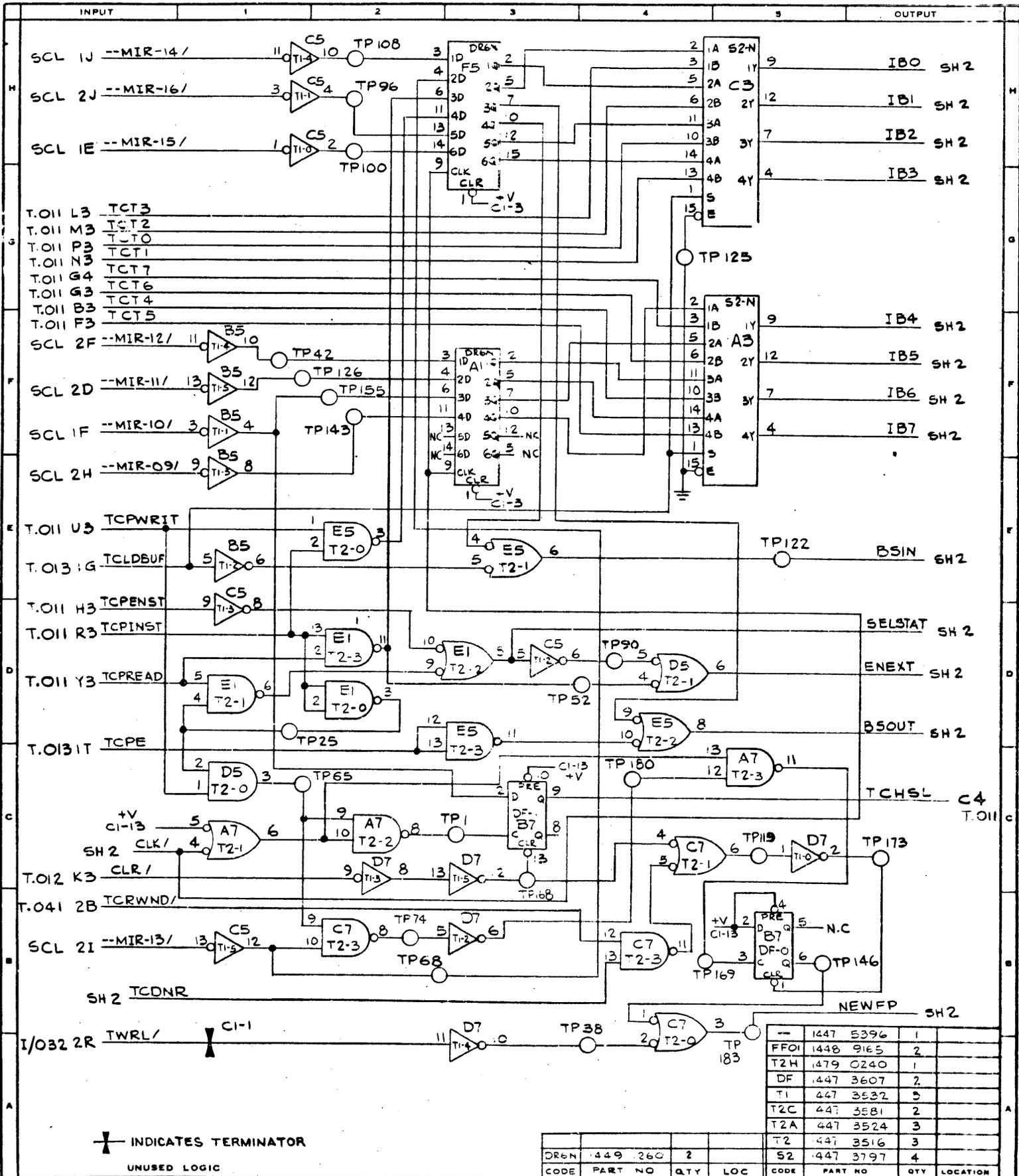
SCHEMATIC



CC 2-9520 SH T.022

Burroughs Corporation
 MAGNETIC SYSTEMS PLANT
 DOWNTOWN, PA 19330

TITLE TC2 TAPE CASSETTE 2
 SYSTEM B 700
 DRAWN R.W. 8-28-72 CHECKED [Signature] 8-31-72 PAGE 2
 APPROVED B. DINGERMAN RELEASED 10-6-72 REV. LETTER G ECN 4662



⊥ INDICATES TERMINATOR
 UNUSED LOGIC

	1447	5396	1	
FFO1	1448	9165	2	
T2H	1479	0240	1	
DF	1447	3607	2	
T1	447	3532	5	
T2C	447	3581	2	
T2A	447	3524	3	
T2	447	3516	3	
S2	447	3797	4	

CODE	PART NO	QTY	LOC	CODE	PART NO	QTY	LOCATION
DR6N	449 260	2					

Burroughs Corporation

COMPUTER SYSTEMS GROUP DOWNTOWN PLANT
 DOWNTOWN PA 19233 U.S. AMERICA

REV B B
 SH 1 2

REVISIONS
 A 11/1/70
 B 11/1/70

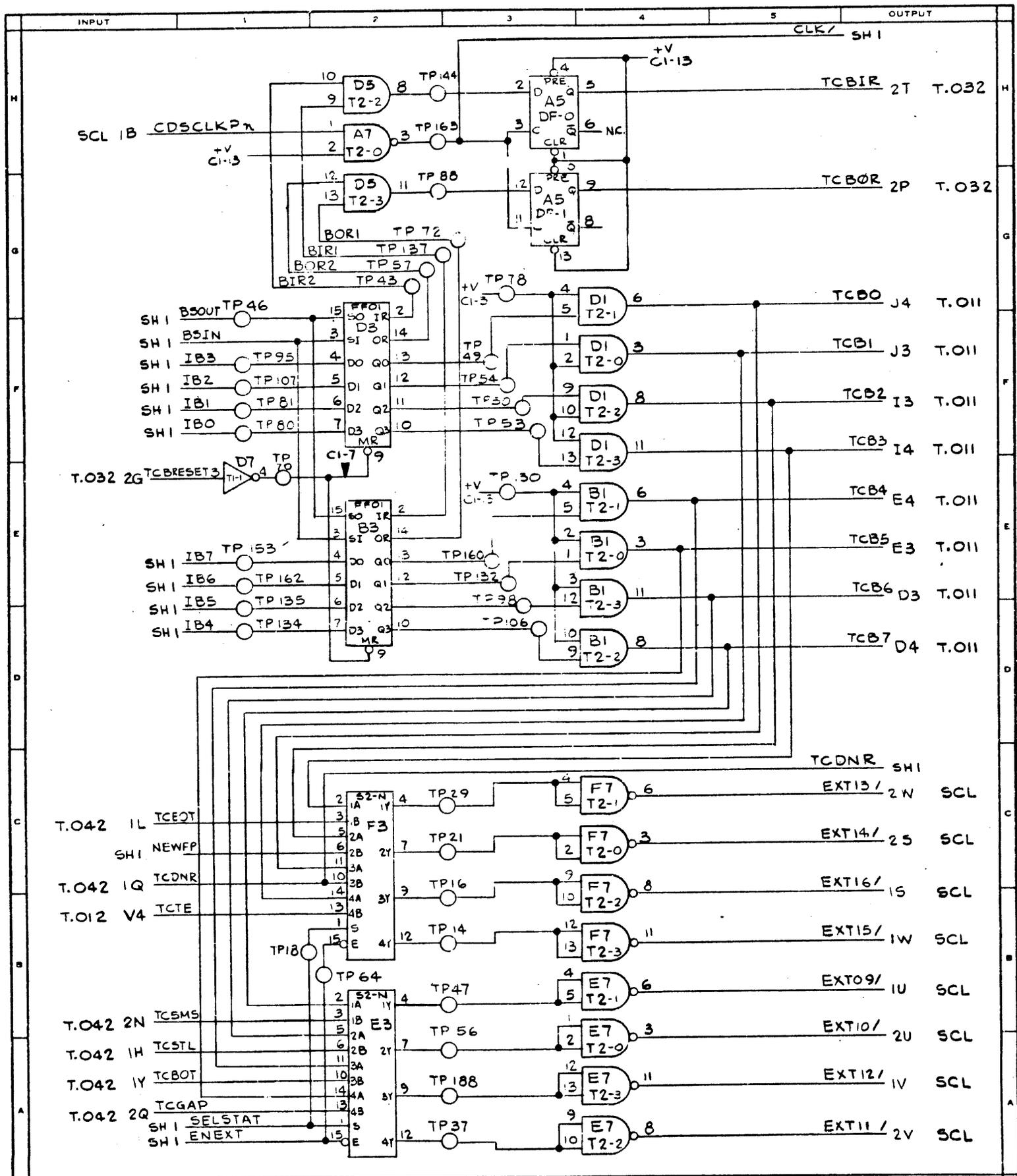
259

DRAWN: A. TUREK DATE: 5-2-76
 CHECKED: J. J. ... DATE: 5-8-76
 DESIGNED: ... DATE: ...

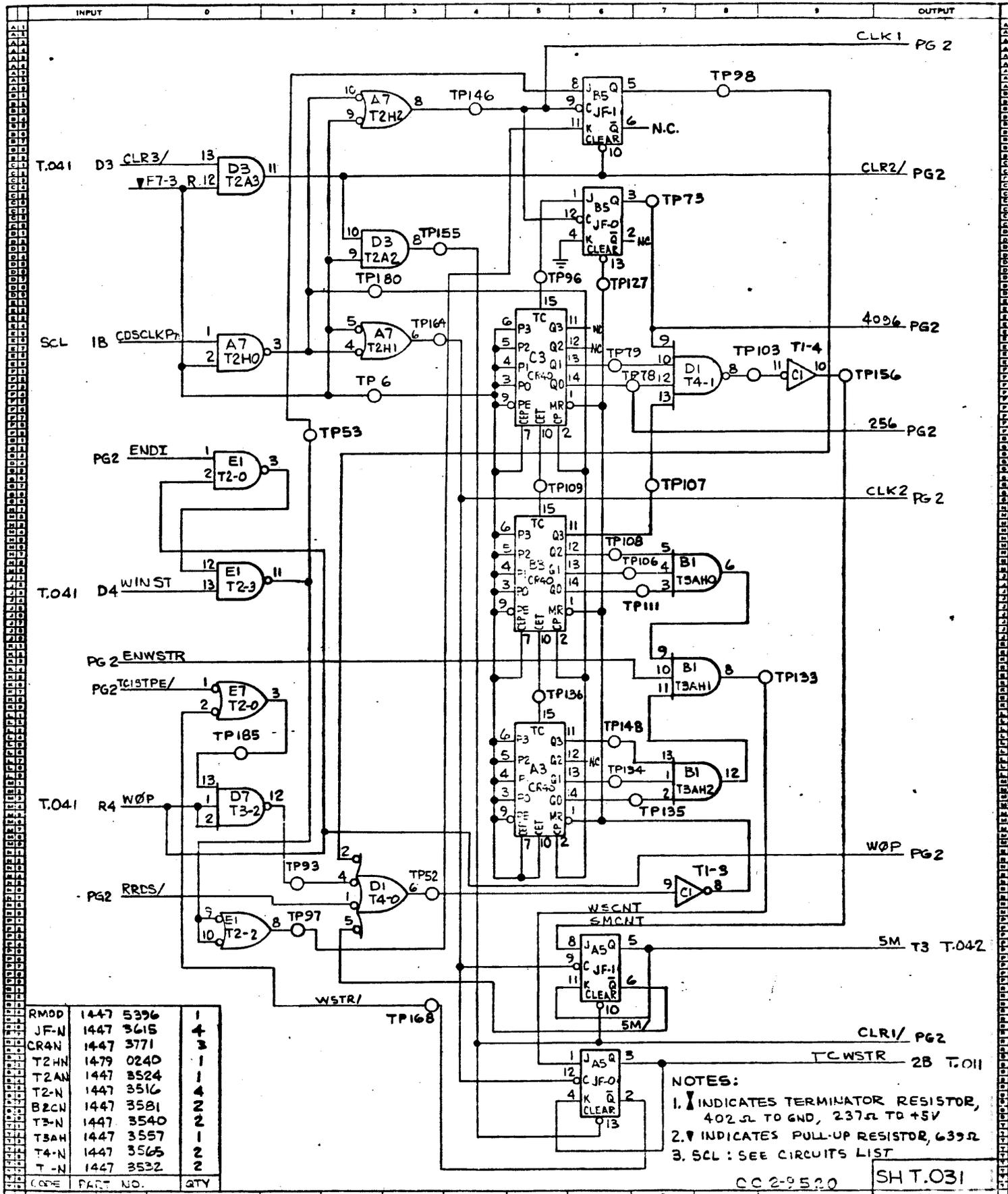
TITLE: TC2
 SHEET: 1 of 2 DWG NO: 2607 5572

CLASS CODE: 2-5520
 PLT NO: 038 REV: B

PRINTED IN U.S.A.



SCHEMATIC



RMD	1447	5396	1
JF-N	1447	3615	4
CRAN	1447	3771	3
T2HN	1479	0240	1
T2AN	1447	3524	1
T2-N	1447	3516	4
B2CN	1447	3581	2
T3-N	1447	3540	2
T3AH	1447	3557	1
T4-N	1447	3565	2
T-N	1447	3532	2
CODE	PART NO.		QTY

NOTES:
 1. \bar{X} INDICATES TERMINATOR RESISTOR, 402 Ω TO GND, 237 Ω TO +5V
 2. ∇ INDICATES PULL-UP RESISTOR, 639 Ω
 3. SCL : SEE CIRCUITS LIST

CC 2-9520 SH T.031

Burroughs Corporation
 MAGNETIC SYSTEMS PLANT DOWNTOWN, PA 19328

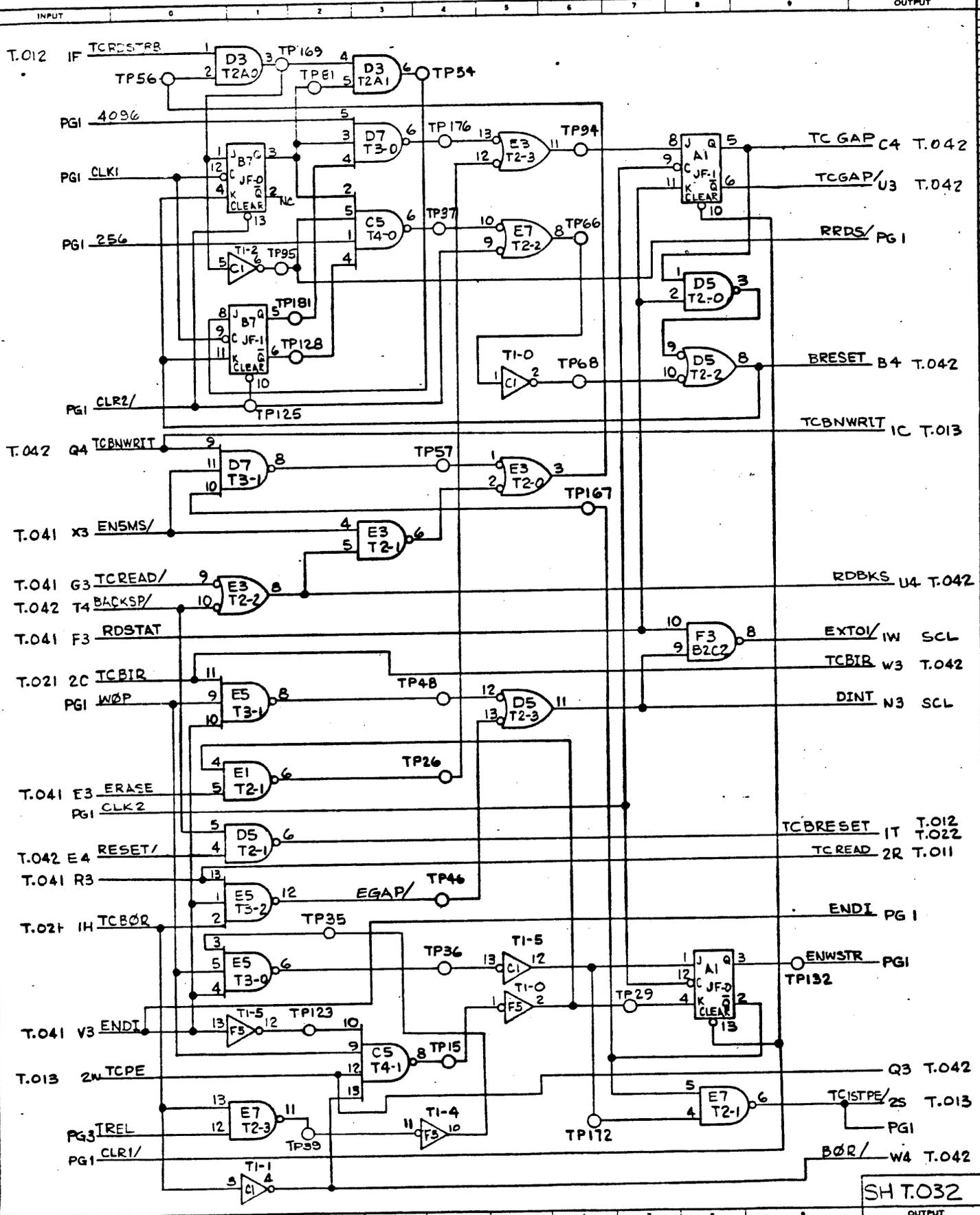
PRODUCTION

TITLE TCB TAPE CASSETTE 5
 SYSTEM DRAWN *2/2/72* CHECKED *2/2/72*
 APPROVED RELEASED 10-2-72
 DWG. NO. 1448 9090
 PAGE 1 OF 3
 REV. LETTER G EGN 5329

SHT	1	2	3
REV	G	G	G

261

SCHEMATIC



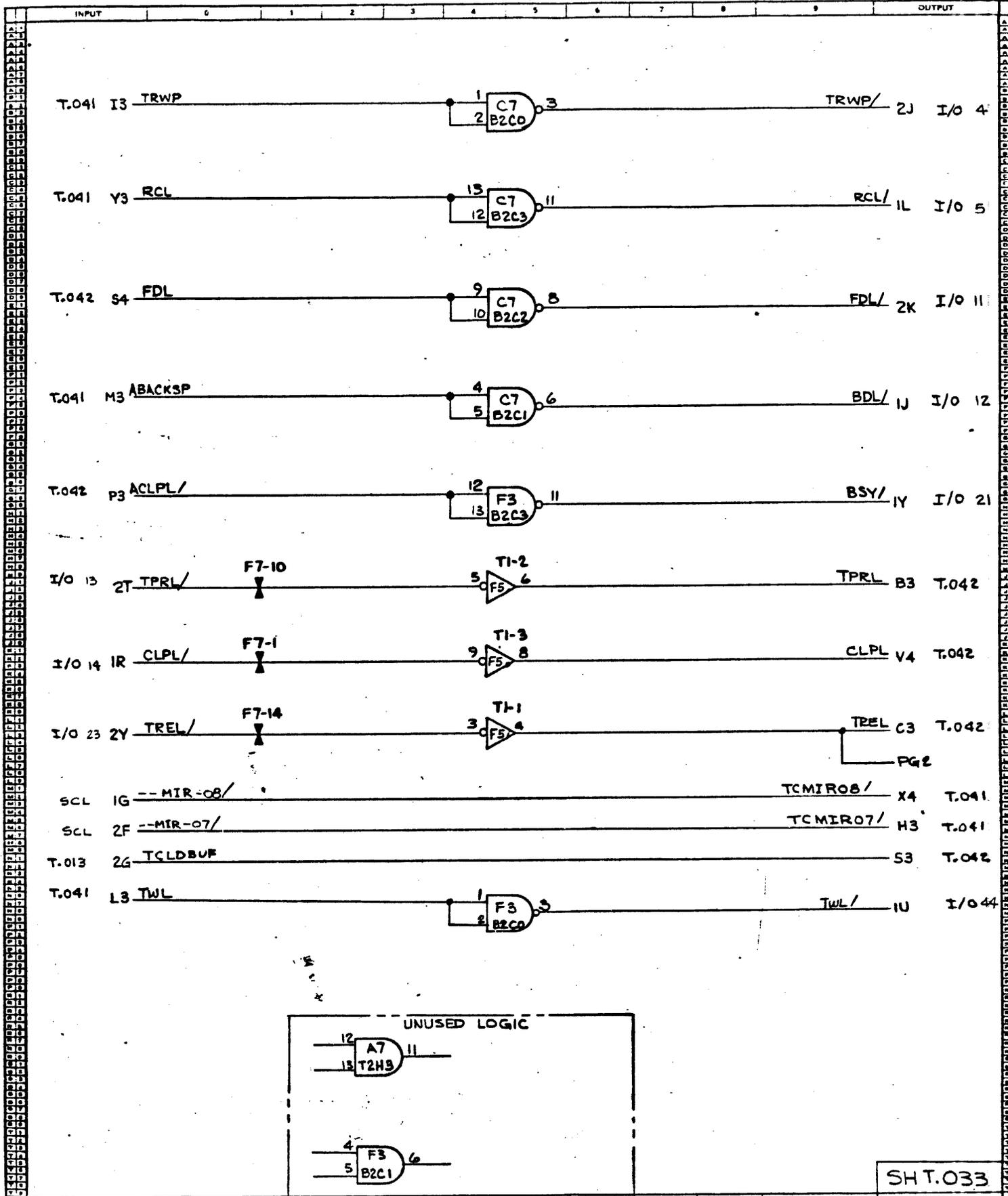
Burroughs Corporation
 MAGNETIC SYSTEMS PLANT
 DOWNTOWN, PA 19330

PRODUCTION

TITLE TC3 TAPE CASSETTE 3
 SYSTEM
 DRAWN BY *[Signature]* 2/5/72
 APPROVED

DWG. NO. 1448 9090
 PAGE 2
 REV. LETTER G ECN 5329

SCHMATIC



SHT.033

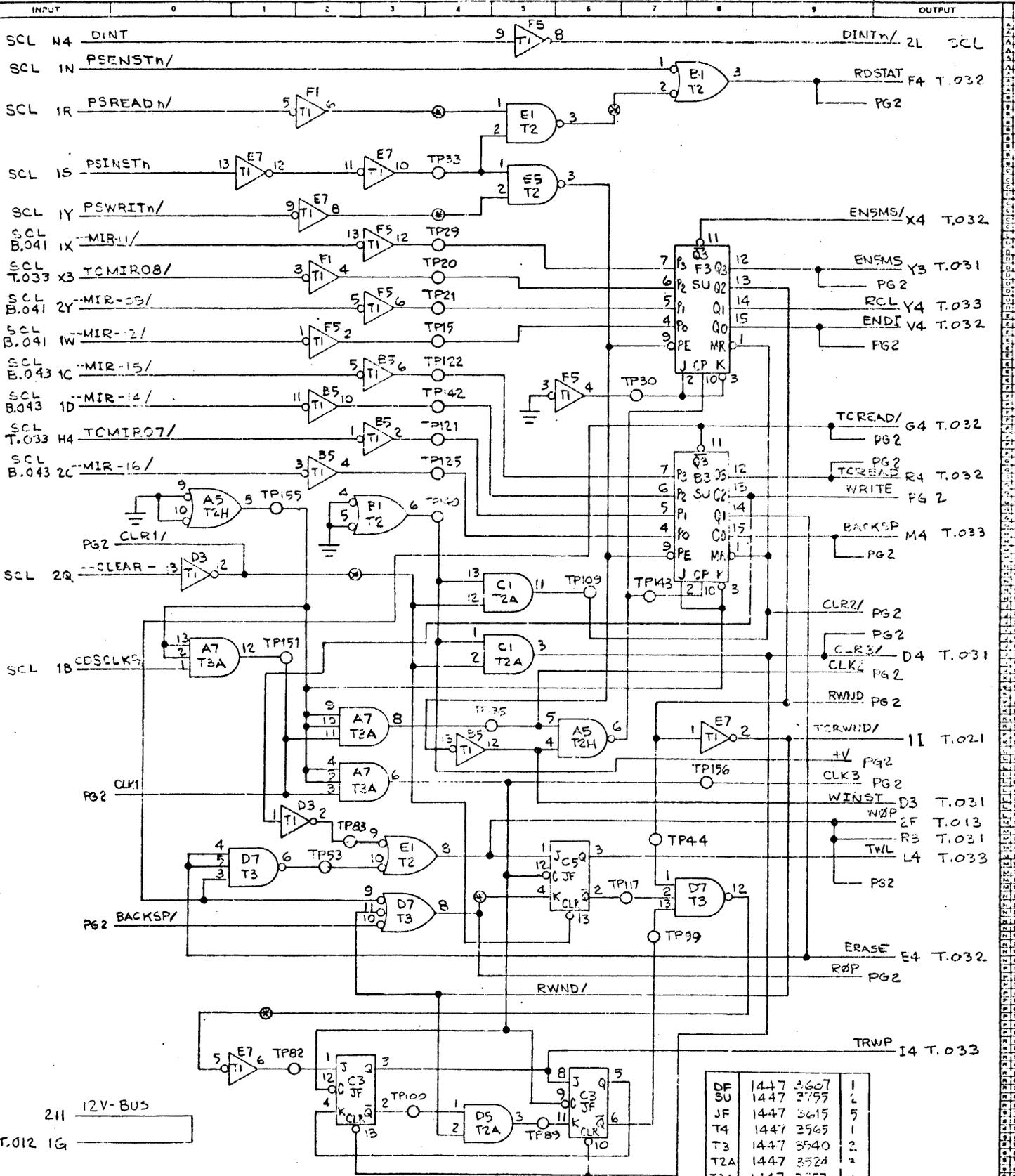
Burroughs Corporation
 MAGNETIC SYSTEMS PLANT
 DOWNTOWN, PA 19338

PRODUCTION
 DRAWING

TITLE TC3 TAPE CASSETTE 3
 SYSTEM
 DRAWN [Signature] CHECKED [Signature]
 APPROVED [Signature] RELEASED 10-2-72

DWG. NO. 1448 9090
 PAGE 3
 REV. LETTER GREEN 5329

SCHEMATIC



211 12V-BUS
T.012 1G

⊗ DESIGNATES ABSENCE OF DEDICATED VIA.
SCL: SEE CIRCUIT LIST

DF	1447	3607	1
SU	1447	3759	2
JF	1447	3615	5
T4	1447	2965	1
T3	1447	3540	2
T2A	1447	3524	2
T3A	1447	3557	1
T2H	1479	0240	1
T2	1447	3516	3
T1	1447	3532	5
CODE	PART NO	QTY	

SH T.041

CC 2-9500

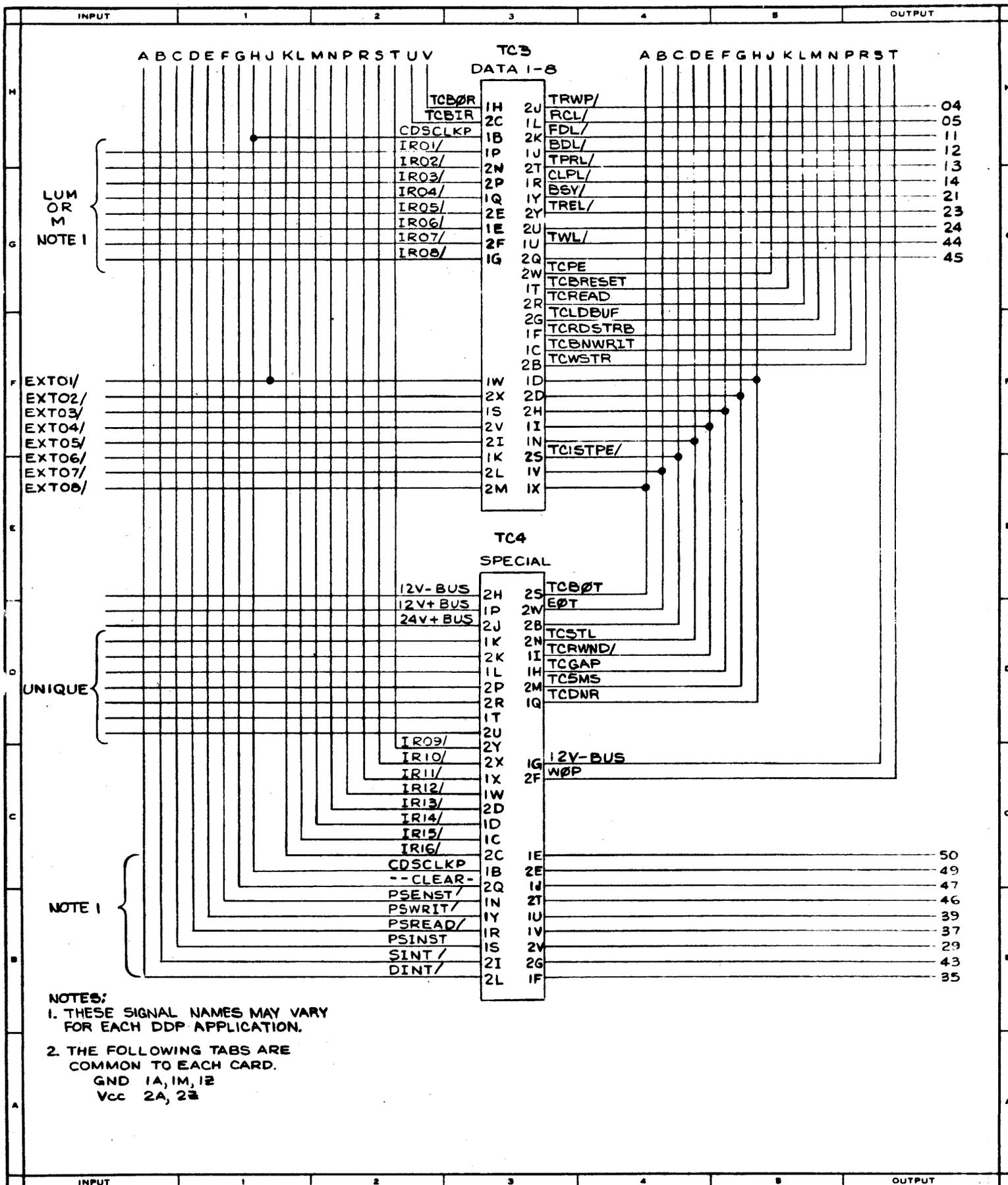
UNUSED LOGIC

Burroughs Corporation
MAGNETIC SYSTEMS PLANT
DOWNTOWN PA 19335

TITLE TCA TAPE CASSETTE 4
SYSTEMS700
DRAWN INCH 8-8 72 CHECKED BY []
APPROVED RELEASED 10-6-72
DWS. NO. 1449 C338
PAGE 1 OF 2
REV. LETTER G 5.4664

SHT 1 2
REV G G

1-11 PRINTED IN U.S.A.
264



NOTES:
 1. THESE SIGNAL NAMES MAY VARY FOR EACH DDP APPLICATION.
 2. THE FOLLOWING TABS ARE COMMON TO EACH CARD.
 GND 1A, 1M, 1Z
 Vcc 2A, 2Z

Burroughs Corporation COMPUTER SYSTEMS GROUP DOWNINGTOWN PLANT DOWNINGTOWN PA 19335 U.S. AMERICA		REVISIONS	TITLE DDP TC WIRING DIAGRAM	CLASS CODE 2-9520
PROPRIETARY TO BURROUGHS CORP - NOT TO BE REPRODUCED NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT PRINTED IN U.S. AMERICA			SHEET 2 DWG NO 2606 9708	PLY NO 038 REV A

267

Burroughs Corporation



COMPUTER SYSTEMS GROUP

DOWNINGTOWN PLANT

DOWNINGTOWN, PENNSYLVANIA 19335

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PURPOSES EXCEPT ON BURROUGHS
ORDER OR PRIOR WRITTEN
CONSENT.

NUMBER

2606 3982

REV

D

TITLE

FIELD INSTALLATION INSTRUCTIONS FOR
TAPE CASSETTE CONTROL OPTION
(B392 AND B392-1)

PREPARED BY

H. Caswell
H. Caswell
9/8/75

APPROVED BY

B. Dinerman
B. Dinerman 9-8-75

ORIGINAL RELEASE DATE

9-26-75

PAGE 1 OF 4

REVISIONS

LEVEL	DESCRIPTION	DATE	APPROVED
A	Initial Release <i>ER109 REV09</i>		
B	Revised per ECN 4448. Templates deleted.	12-3-75	<i>W. Spingler</i> <i>WJS</i>
C	Revised per ECN 5157. M&E No. 2607 5663 added.	8-19-76	<i>W. Spingler</i> <i>WJS</i>
D	Revised per ECN 5409. Style B392-1 added.	11-11-76	<i>W. Spingler</i> <i>WJS</i>

2606 3982

268

268



1. SCOPE

1.1 Scope.- This document defines the instructions for field installation of the following tape cassette control options:

<u>Style No.</u>	<u>Description</u>	<u>M&E No.</u>
B392	Tape Cassette Control (External)	1448 8654 (B711, B721 without DCPP, B771, & B772 SL7 systems only) 2607 5663 (all B700 systems)
B392-1	Tape Cassette Control (Internal)	2607 5655

1.2 Option items.- The control options consists of the following items:

Quantity	Description
1	Circuit Card Assembly TC1
1	Circuit Card Assembly TC2
1	Circuit Card Assembly TC3
1	Circuit Card Assembly TC4
2	Connector Assembly
1	Cable Assembly (1449 0288)
2	Screw, Pan Head (4-40, 3/4" long)
2	Washer, Lock (#4 nom. size)
1	Decal
* 1	Mounting Kit
** 1	Cable Assembly (2046 2008)
** 2	Screw, Pan Head (6-32, 1/2" long)
** 2	Washer, Lock (#6 nom. size)
** 2	Washer, Plain
** 2	Washer, Nonmetallic
** 1 (Ref)	B721 Installation Drawing 2602 4554
** 1 (Ref)	B776 Installation Drawing 2606 3016

*B392 only

**B392-1 only



2. INSTALLATION INSTRUCTIONS

2.1 B392 Control

(a) Insert the four circuit card assemblies into the appropriate DDP backplane locations in accordance with system requirements. Refer to the backplane map contained in the system FT&R documentation package for specific DDP card locations.

(b) Attach the two connector assemblies to the frontplane connector end of the following card pairs:

TC1 and TC2

TC3 and TC4

(c) On the insertion side of the backplane, attach the 50-pin connector end of cable assembly (1449 0288) which has the strain relief bracket to the appropriate I/O connector.

(d) Attach the individual brown wires, which are labeled in accordance with the processor system involved (see chart below), to the appropriate terminals on the terminal board located on the top of the capacitor-rectifier assembly. These connections will supply power to the Cassette Tape Drive (+5 VDC, +12 VDC, and -12 VDC). Refer to the connection diagram contained in the system FT&R documentation package.

WIRE LABEL CHART

Processor System	Wire Label	Terminal
B776 & B721	GTB1-A2/A3	+5 VDC
Systems Only	GTB1-B0/B1	+12 VDC
	GTB1-A7/A8	-12 VDC
All Other Systems	TB8B2	+5 VDC
	TB8B6	+12 VDC
	TB8A4	-12 VDC

(e) Secure the 50-pin connector on the other end of cable assembly (1449 0288) to the adapter panel using the pan head screws and washers provided, then connect the free end of the Cassette Tape Drive cable assembly to this connector.

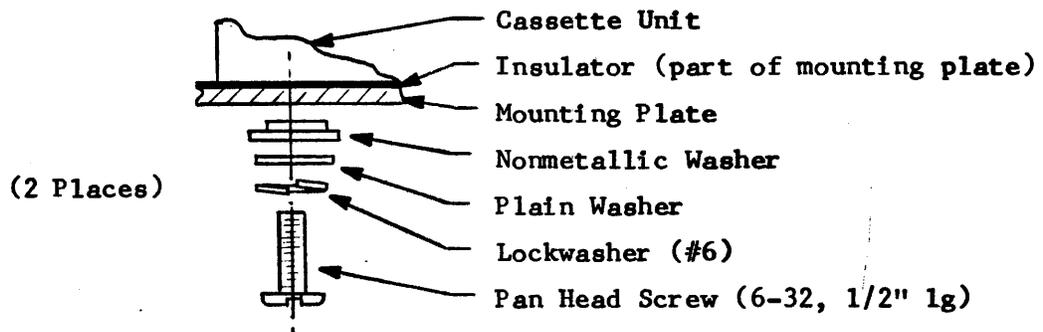
(f) For B711 and B771 systems only, mark on the connector assignment decal, located on the power control unit, the slots of the adapter panel which use this option.



- (g) Affix the decal to the configuration plate in the space for the DDP location which uses this control option.
- (h) Install the mounting kit, where applicable, using attaching hardware provided.
- (i) Option installation is now complete.

2.2 B392-1 Control

- (a) Connect the 25-pin connector end of cable assembly (2046 2008) to the Cassette Tape Drive (cassette unit).
- (b) Remove the blank panel from the tape cassette port of the processor.
- (c) Insert the cassette unit into the tape cassette port and align the front panel with the front panel of the adjacent memory loader unit. The self clinching nuts in the base of the cassette unit shall also be aligned with the slots in the cabinet frame mounting plate.
- (d) Secure the cassette unit to the mounting plate with the following hardware items provided and arrange as shown, such that the cassette unit chassis is electrically isolated from the processor frame.



- (e) Perform steps (a) through (e), and (g) of paragraph 2.1.
- (f) Option installation is now complete.

270-1

DWG NO.
1448 0438

SHEET 2 OF 3

REL. 6-11-73
A ERX 93
B EGN 820 10-16-73 AH
C EGN 3508 11-18-74 AF

WIRE NO.	CONDUCTOR		FROM			TO			REMARKS	WIRE NO.	CONDUCTOR		FROM			TO			REMARKS
	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION			SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	
1-1	26	YEL	PI	41	1472 0726	J101	P	SOLDER (NOTE 2)	FPT/	1-26	26	BLK	PI	30	---	J102	14	SOLDER	IWD3/ GND
1-2		BLK		48	SEE NOTE 3		13		FPT/ GND	1-27		RED		22	1472 0726		5	(NOTE 2)	IWDA/
1-3		YEL		49	1472 0726		T	(NOTE 2)	RDY/	1-28		BLK		20	1472 0767		15		IWD4/ GND
1-4		BLK		48	SEE NOTE 3		16		RDY/ GND	1-29		RED		15	1472 0726		T	(NOTE 2)	IWDS/
1-5		YEL		43	1472 0726		U	(NOTE 2)	EPT/	1-30		BLK		20	---		16		IWDS/ GND
1-6		BLK		48	SEE NOTE 3		17		EPT/ GND	1-31		RED		3	1472 0726		U	(NOTE 2)	IWDG/
1-7		GRAY		50	1472 0726		R	(NOTE 2)	LPD/	1-32		BLK		10	1472 0767		17		IWDG/ GND
1-8		BLK		40	SEE NOTE 4		14		LPD/ GND	1-33		WHT		2	1472 0726		Y	(NOTE 2)	IWD7/
1-9		RED		29	1472 0726		E	(NOTE 2)	SRC/	1-34		BLK		6	SEE NOTE 6		18		IWD7/ GND
1-10		BLK		30	1472 0767		5		SRC/ GND	1-35		WHT		1	1472 0726		L	(NOTE 2)	IWDP/
1-11		GRAY		39	1472 0726		C	(NOTE 2)	SFC/	1-36		BLK		6	SEE NOTE 6		10		IWDP/ GND
1-12		BLK		40	SEE NOTE 4		3		SFC/ GND	1-37		YEL		47	1472 0726		A	(NOTE 2)	WDS/
1-13		YEL		46	1472 0726		K	(NOTE 2)	SWS/	1-38		BLK		48	SEE NOTE 3	J102	1		WDS/ GND
1-14		BLK		48	SEE NOTE 3		9		SWS/ GND	1-39		GRAY		45	1472 0726	J103	2	(NOTE 2)	RDS/
1-15		GRN		37	1472 0726		H	(NOTE 2)	RWND/	1-40		BLK		40	SEE NOTE 4		B		RDS/ GND
1-16		BLK		36	SEE NOTE 5	J101	7		RWND/ GND	1-41		YEL		42	1472 0726		1	(NOTE 2)	IRD/
1-17		GRN		31	1472 0726	J102	C	(NOTE 2)	WARS/	1-42		BLK		48	SEE NOTE 3		A		IRD/ GND
1-18		BLK		36	SEE NOTE 5		3		WARS/ GND	1-43		RED		28	1472 0726		3	(NOTE 2)	IRDO/
1-19		GRAY		34	1472 0726		M	(NOTE 2)	IWDO/	1-44		BLK		26	1472 0767		C		IRDO/ GND
1-20		BLK		40	SEE NOTE 4		11		IWDO/ GND	1-45		RED		27	1472 0726		4	(NOTE 2)	IRD1/
1-21		GRAY		33	1472 0726		N	(NOTE 2)	IWD1/	1-46		BLK		26	---		D		IRD1/ GND
1-22		BLK		40	SEE NOTE 4		12		IWD1/ GND	1-47		RED		18	1472 0726		8	(NOTE 2)	IRD2/
1-23		GRN		32	1472 0726		P	(NOTE 2)	IWD2/	1-48		BLK		16	1472 0767		J		IRD2/ GND
1-24		BLK		36	SEE NOTE 5		13		IWD2/ GND	1-49		RED		17	1472 0726		9	(NOTE 2)	IRD3/
1-25	26	RED	PI	25	1472 0726	J102	R	SOLDER (NOTE 2)	IWD3/	1-50	26	BLK	PI	16	---	J103	K	SOLDER	IRD3/ GND

NOTES:
1. 4 INDICATES TWISTED PAIR.

2. USE .44 LONG PIECE OF TUBING FOR EACH SIGNAL WIRE TERMINATION.

3. JOIN WIRES NO. 1-2, 1-3, 1-4, 1-5, 1-8 & 1-42 IN SPLICE (1448 2012) WITH SINGLE WIRE (16 AWG) TO PI-48 USING 1471 5635.

4. JOIN WIRES NO. 1-8, 1-12, 1-20, 1-22 & 1-40 IN SPLICE (1448 2012) WITH SINGLE WIRE (16 AWG) TO PI-40 USING 1471 5635.

5. JOIN WIRES NO. 1-16, 1-18, 1-24 & 2-8 IN SPLICE (1448 2012) WITH SINGLE WIRE (16 AWG) TO PI-36 USING 1471 5635.

6. JOIN WIRES NO. 1-34, 1-36, 2-4 & 2-6 IN SPLICE (1448 2012) WITH SINGLE WIRE (16 AWG) TO PI-6 USING 1471 5635.

7. TIE BACK ALL SPARE WIRES.

CC2-7033

DRAWN	DATE
A. HARVEY	5 11 73
CHECKED	DATE
5/22/73	
DSGNR OR ENGR	DATE
5/22/73	
APPROVED	DATE
5/22/73	

Burroughs Corporation
SMALL SYSTEMS PLANT
DOWNTOWN, PA. 15228, U.S.A.

TITLE
WIRE LIST
CABLE ASSEMBLY, MAGNETIC TAPE UNIT

SHEET 2 OF 3
DWG NO 1448 0438

PROPRIETARY TO BURROUGHS CORP. - NOT TO BE REPRODUCED, NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT

272

DWG NO. 1448 0438
 SHEET 3 OF 3
 RELEASED
 A KEL 6-11-73
 A ERK 93
 ECN 3500 SMTZ
 C 11-10-76
 JLL

WIRE NO.	CONDUCTOR			FROM			TO			REMARKS	WIRE NO.	CONDUCTOR			FROM			TO			REMARKS
	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES			TERMINAL	TYPE OF TERMINATION	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	
2-1	26	RED	P1	9	1472 0726	J103	14	SOLDER (NOTE 2)	IRD4/	2-26											
2-2		BLK		10			R		IRD4/ GND	2-27											
2-3		WHT		8	1472 0726		15	(NOTE 3)	IRD5/	2-28											
2-4		BLK		6	SEE NOTE 6		S		IRD5/ GND	2-29											
2-5		WHT		7	1472 0726		17	(NOTE 3)	IRD6/	2-30											
2-6		BLK		6	SEE NOTE 6		U		IRD6/ GND	2-31											
2-7		GRN		38	1472 0726		18	(NOTE 2)	IRD7/	2-32											
2-8		BLK	P1	36	SEE NOTE 5	J103	V	SOLDER	IRD7/ GND	2-33											
2-9		ORN							SPARE	2-34											
2-10		BLK								2-35											
2-11		ORN								2-36											
2-12		BLK								2-37											
2-13		ORN								2-38											
2-14	26	BLK							SPARE	2-39											
2-15	26	BUS	J101	J	SOLDER	J101	B	SOLDER	SLT	2-40											
2-16										2-41											
2-17										2-42											
2-18										2-43											
2-19										2-44											
2-20										2-45											
2-21										2-46											
2-22										2-47											
2-23										2-48											
2-24										2-49											
2-25										2-50											

NOTES:

272

CC 2-7033

DRAWN	DATE
A. HARVEY	5-24-73
CHECKED	DATE
<i>[Signature]</i>	5-22-73
DSGN OR ENGR	DATE
W. Williams	5/22/73
APPROVED	DATE
<i>[Signature]</i>	5/21/73

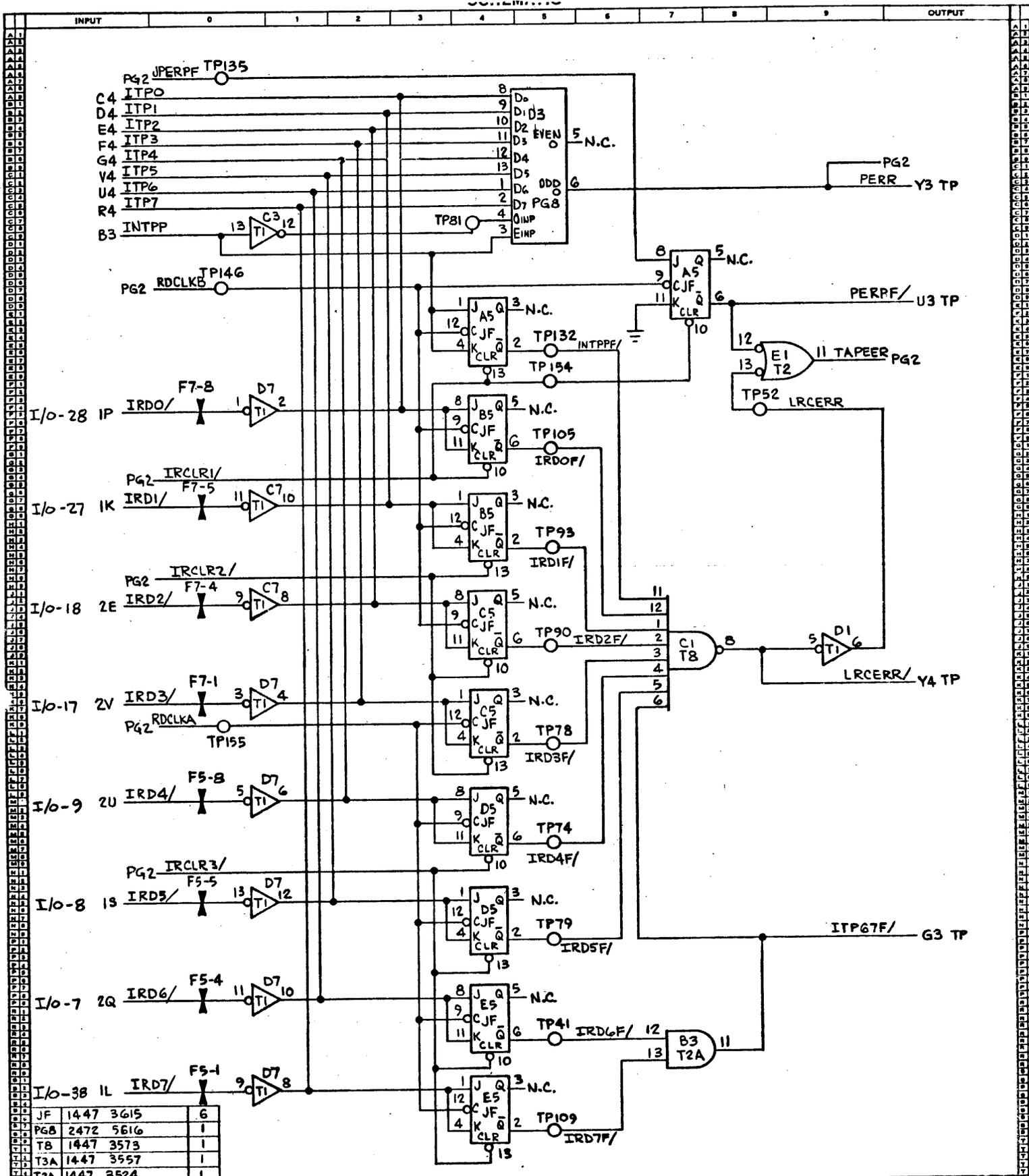
Burroughs Corporation 

SMALL SYSTEMS PLANT
 DOWNINGTOWN, PA. 19338, U. S. AMERICA

TITLE
 WIRE LIST
 CABLE ASSEMBLY, MAGNETIC TAPE UNIT

SHEET 3 OF 3
 DWG NO 1448 0438

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JF	1447	3615	6
PG8	2472	5616	1
T8	1447	3573	1
T3A	1447	3557	1
T2A	1447	3524	1

T1	1447	3532	5	T2	1447	3516	2	
CODE	PART NUMBER	QTY	CODE	PART NUMBER	QTY	CODE	PART NUMBER	QTY

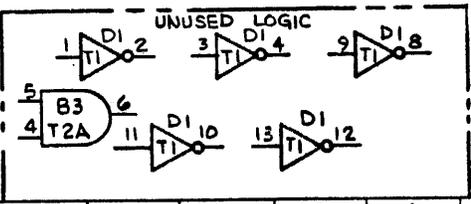
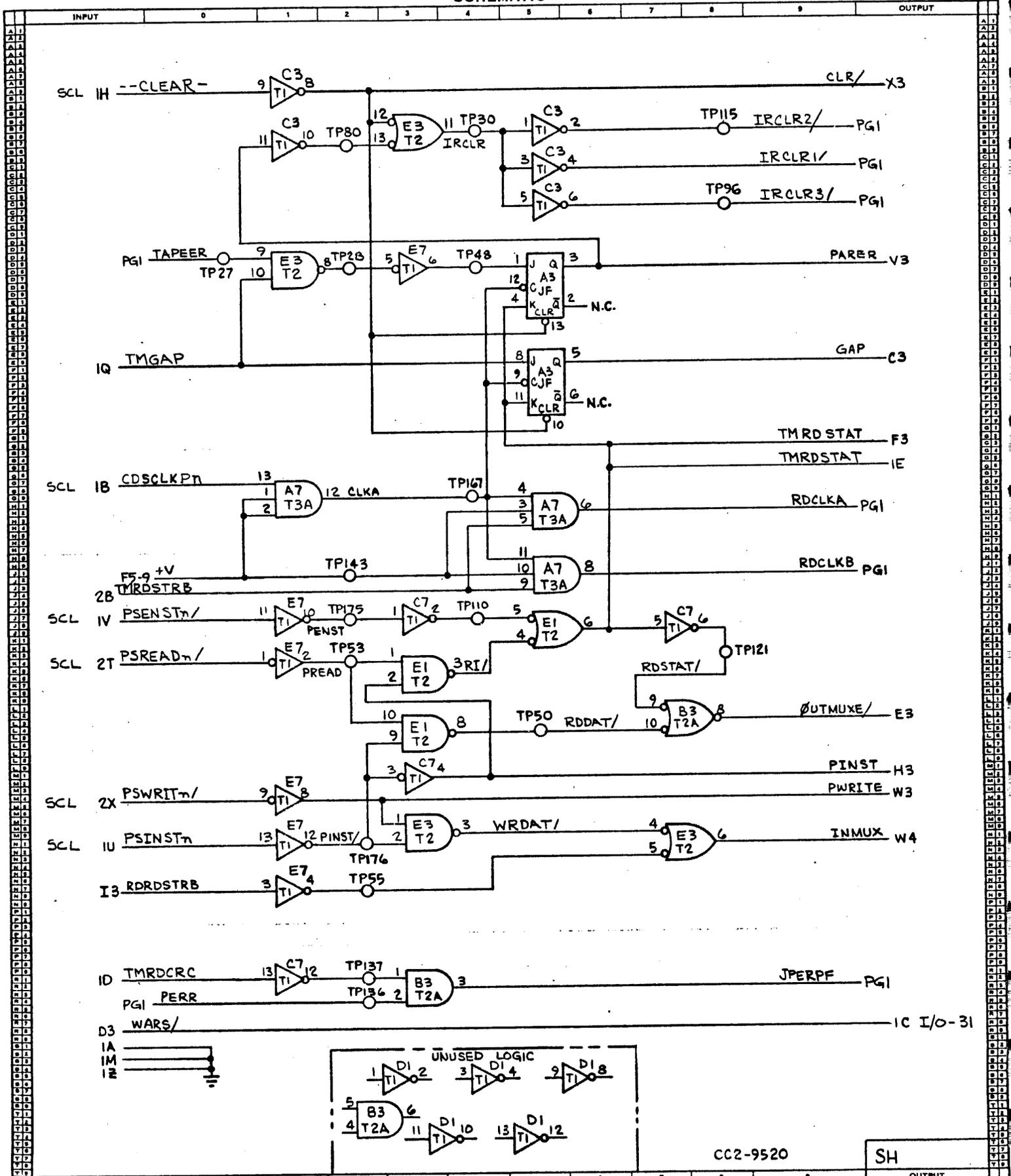
TP INDICATES TEST POINT
 X INDICATES TERMINATING RESISTOR CC2-9520

SH

Burroughs Corporation
 MAGNETIC SYSTEMS PLANT
 DOWNTOWN, PA 19326

TITLE TMI SYSTEM
 DRAWN P.F. May 5/22/73 CHECKED J. Schlimm
 APPROVED S. DINERMAN RELEASED M. Kay and L-11-78
 DWG. NO. 1448 1816
 PAGE 1 OF 2
 REV. LETTER B ECN 5508
 11-16 72 957 SMT. 2
 12-19-73

SCHMATIC



CC2-9520

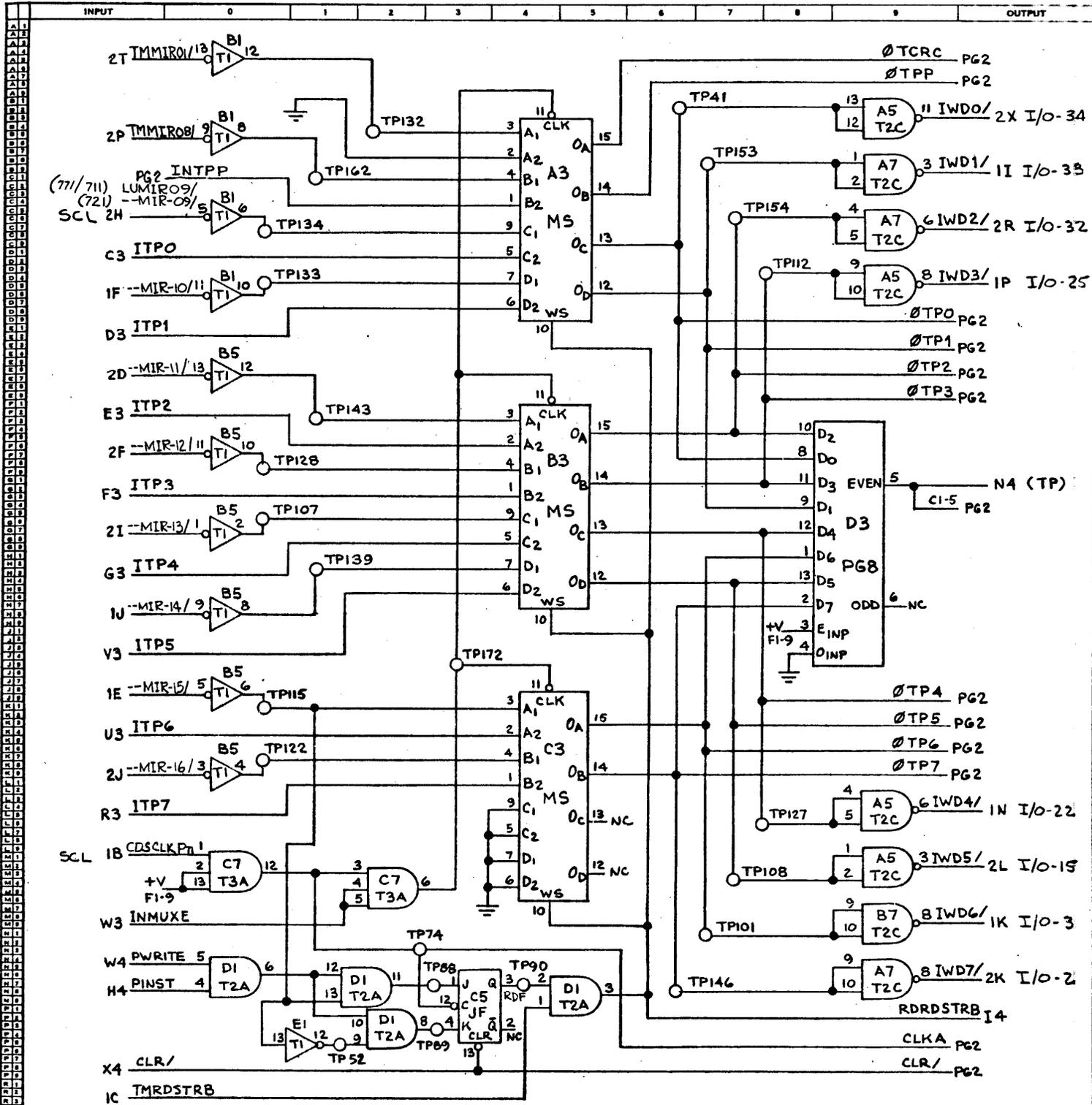
SH

Burroughs Corporation
 MAGNETIC SYSTEMS PLANT DOWNINGTOWN, PA 19330

TITLE TMI
 SYSTEM DRAWN BY *W. K. Long* / 3/20/73 CHECKED BY *Lehmann* / 4/11/73
 APPROVED BY *B. DINGERMAN* / 12-19-73
 DWG. NO. 1448 1816
 PAGE 2
 REV. LETTER B ECN 3508
 11-18-74 AFT

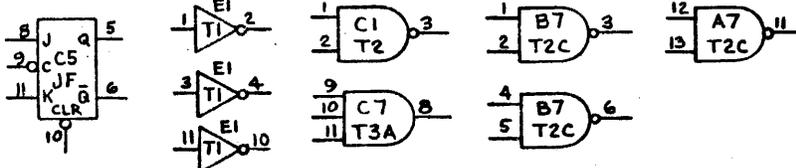
274

274



	1447	5396	1
PGB	2472	5616	1
MS	1449	2029	3
S2	1447	3797	3
JF	1447	3615	2
T3A	1447	3557	1
T2C	1447	3581	5
T2A	1447	3524	1
T2	1447	3516	1
T1	1447	3532	3
CODE	PART NO.	QTY	

UNUSED LOGIC



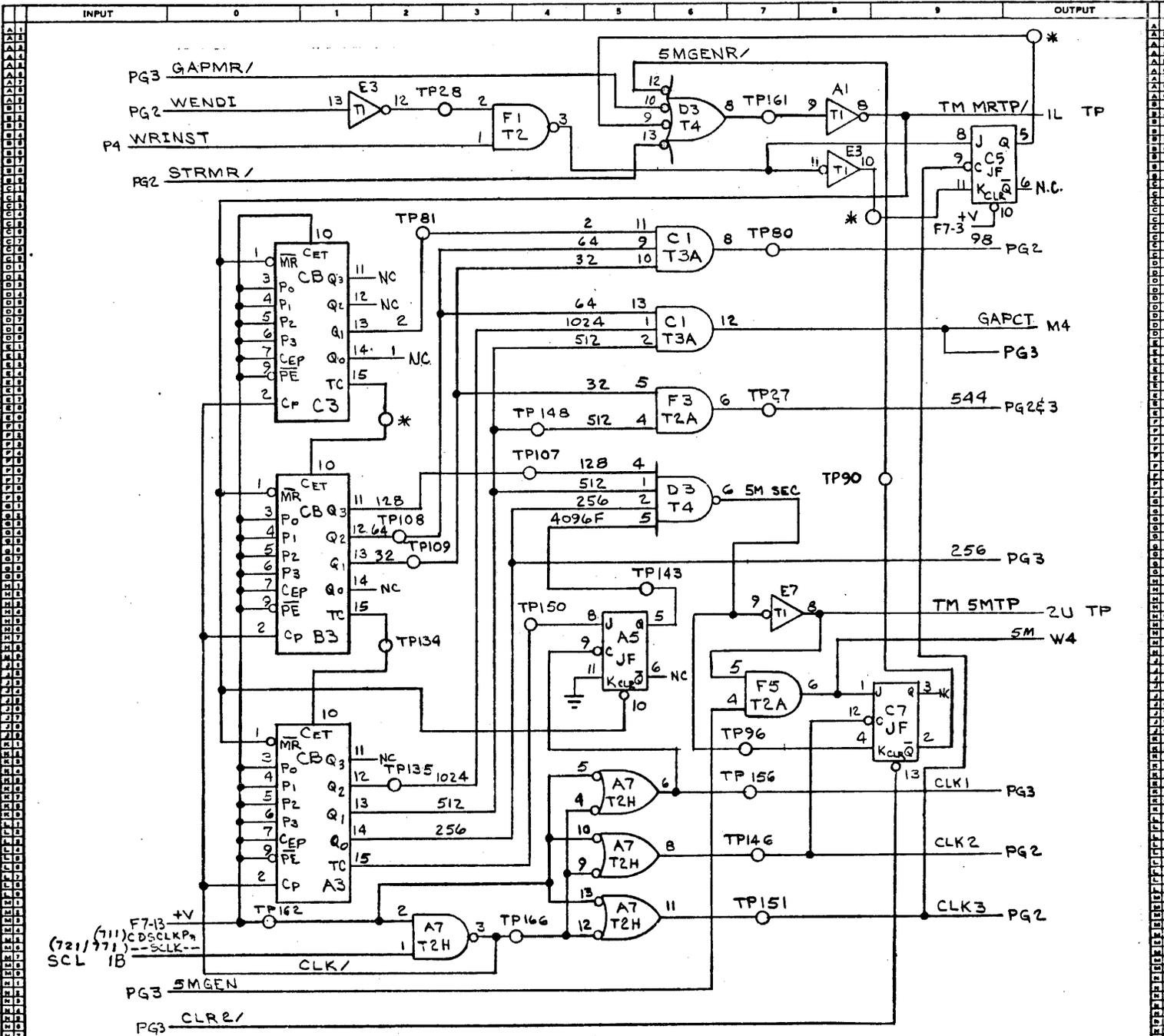
TP INDICATES TEST POINT.
 INDICATES TERMINATOR RESISTOR

CC2-9520 SH

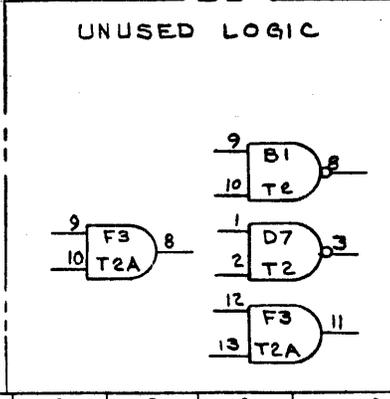
Burroughs Corporation
 MAGNETIC SYSTEMS PLANT
 DOWNTOWN, PA 19338
 PROPERTY OF BURROUGHS CORP - NOT TO BE REPRODUCED NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT

TITLE **TM2 MAGNETIC TAPE**
 SYSTEM 8711
 DRAWN C.L. BISCHOFF
 APPROVED
 CHECKED *RWB*
 RELEASED *in Maryland*
 6-11-73
 DWG. NO. 1448 1824
 PAGE 1 OF 2
 REV. LETTER B ECN 3508
 11-18-74 AFT

SCHEMATIC



1. INDICATES TERMINATOR RESISTOR.
2. * INDICATES UNABLE TO OBTAIN DEDICATED VIA.
3. TP INDICATES TEST POINT.



CODE	PART NO.	QTY
------	----------	-----

CC2-9520

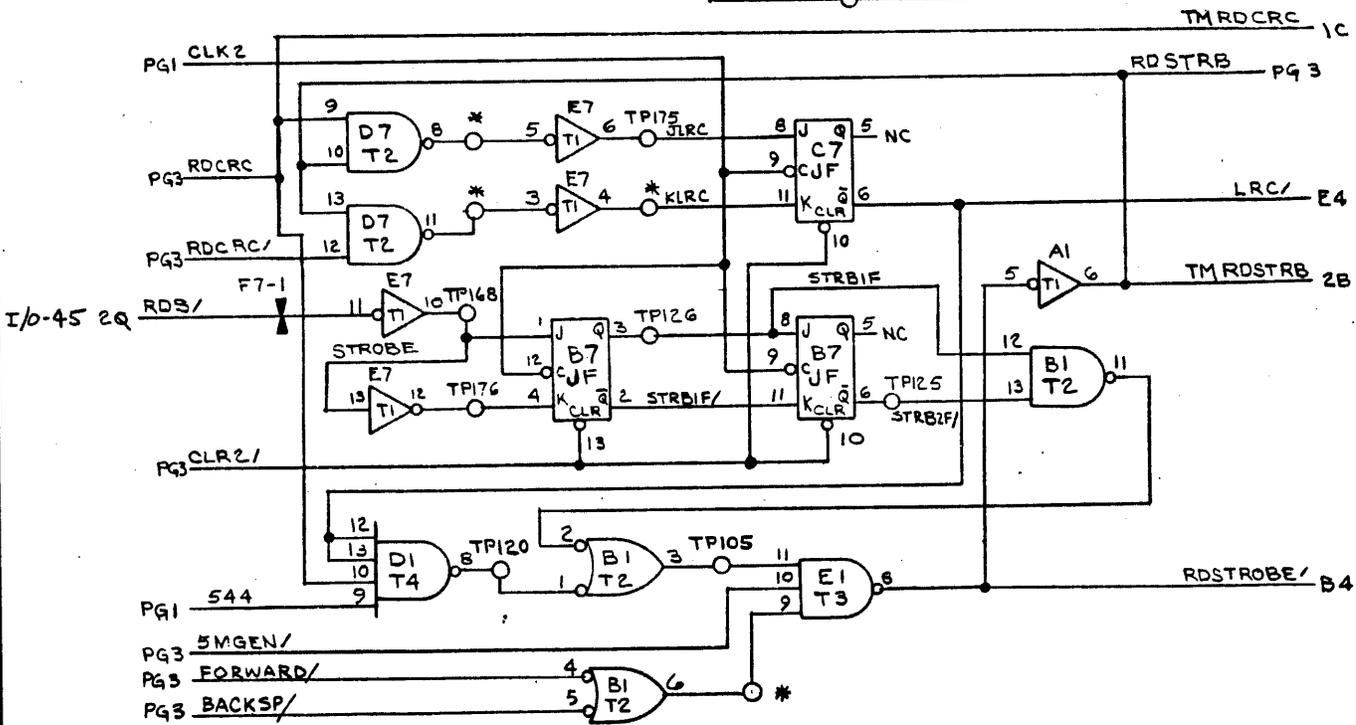
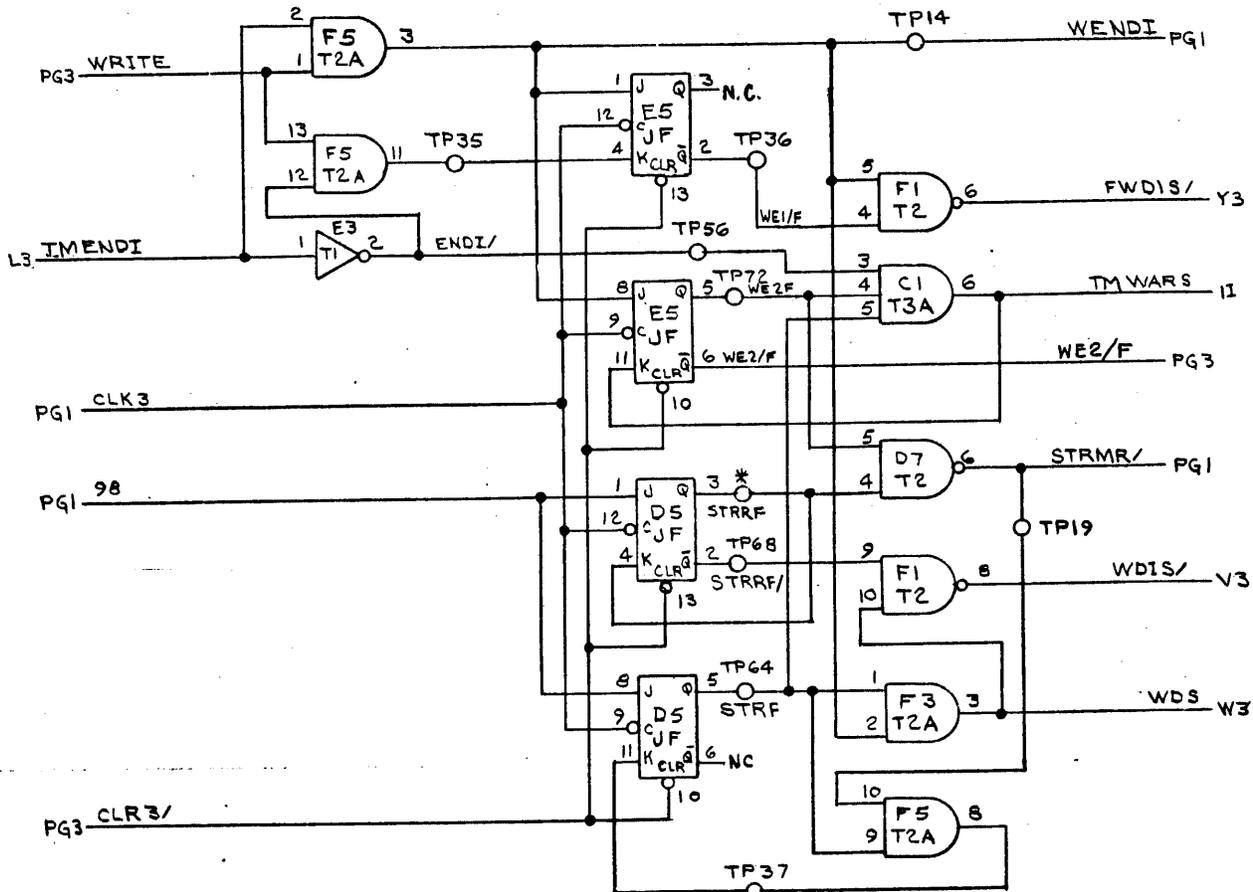
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TITLE **TM3**
 SYSTEM
 DRAWN J. DOERR (SMA73) CHECKED *J. Schlemmer* DWG. NO. 1448 1832
 APPROVED RELEASED *Dr. J. ...* PAGE 1 OF 3
 6-11-73 SHT 1/3 11-19-74 JFJ
 REV. LETTER C PER EAL3520

SCHEMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



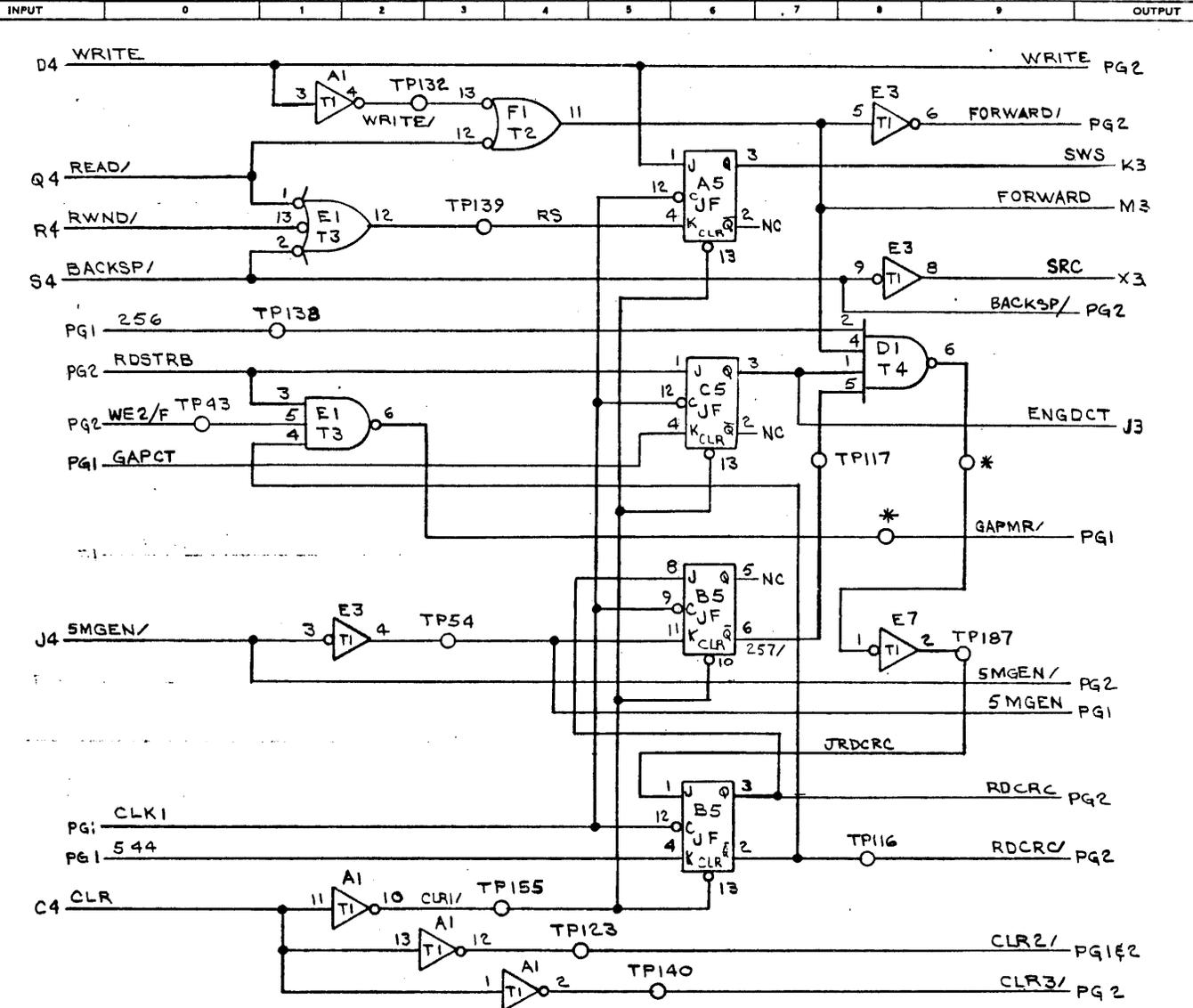
SH

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TITLE TM3
 SYSTEM DRAWN J. DOERR 27 MAR 73 CHECKED J. Schlemmer
 APPROVED RELEASED 6-17-73
 DWG. NO. 1448 1832
 PAGE 2
 REV. LETTER A

PRINTED IN U.S.A. PERCEA

SCHEMATIC



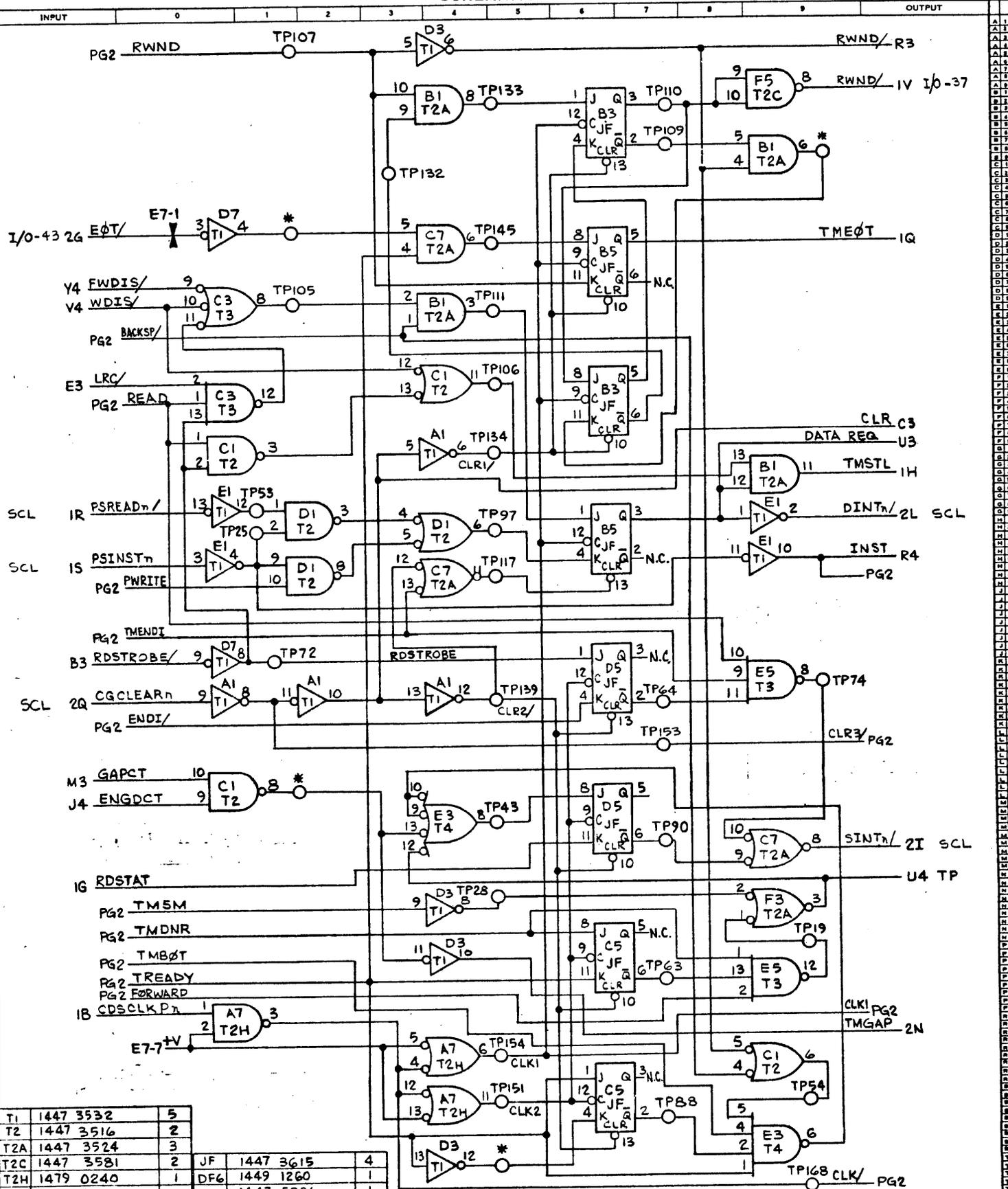
(721/771)--MIR-01/	
(711) LUMIROI/	TM MIROI/ 2C
IB	
1G --MIR-08/	TM MIROB/ 1H
V4 EXT01/	EXT01/ 1W
N3 EXT08/	EXT08/ 2M
Y4 EXT02/	EXT02/ 2X
1F TMEXT01	TM EXT01 Q3
2R TMEXT08	TM EXT08 T3
26 TMEXT02	TM EXT02 F4
U4 DATAREQ	TMDATAREQ 1T
X4 BØT	TM BØT 2W

SH

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 MAGNETIC SYSTEMS PLANT
 DOWNTOWN, PA 19328

TITLE **TM3**
 SYSTEM
 DRAWN J. DOEARR (2MART) CHECKED *[Signature]* DWG. No. 1448 1832
 APPROVED *[Signature]* RELEASED *[Signature]* REV. LETTER C ECN 3508
 6-11-73 11-18-74 AF1

SCHMATIC



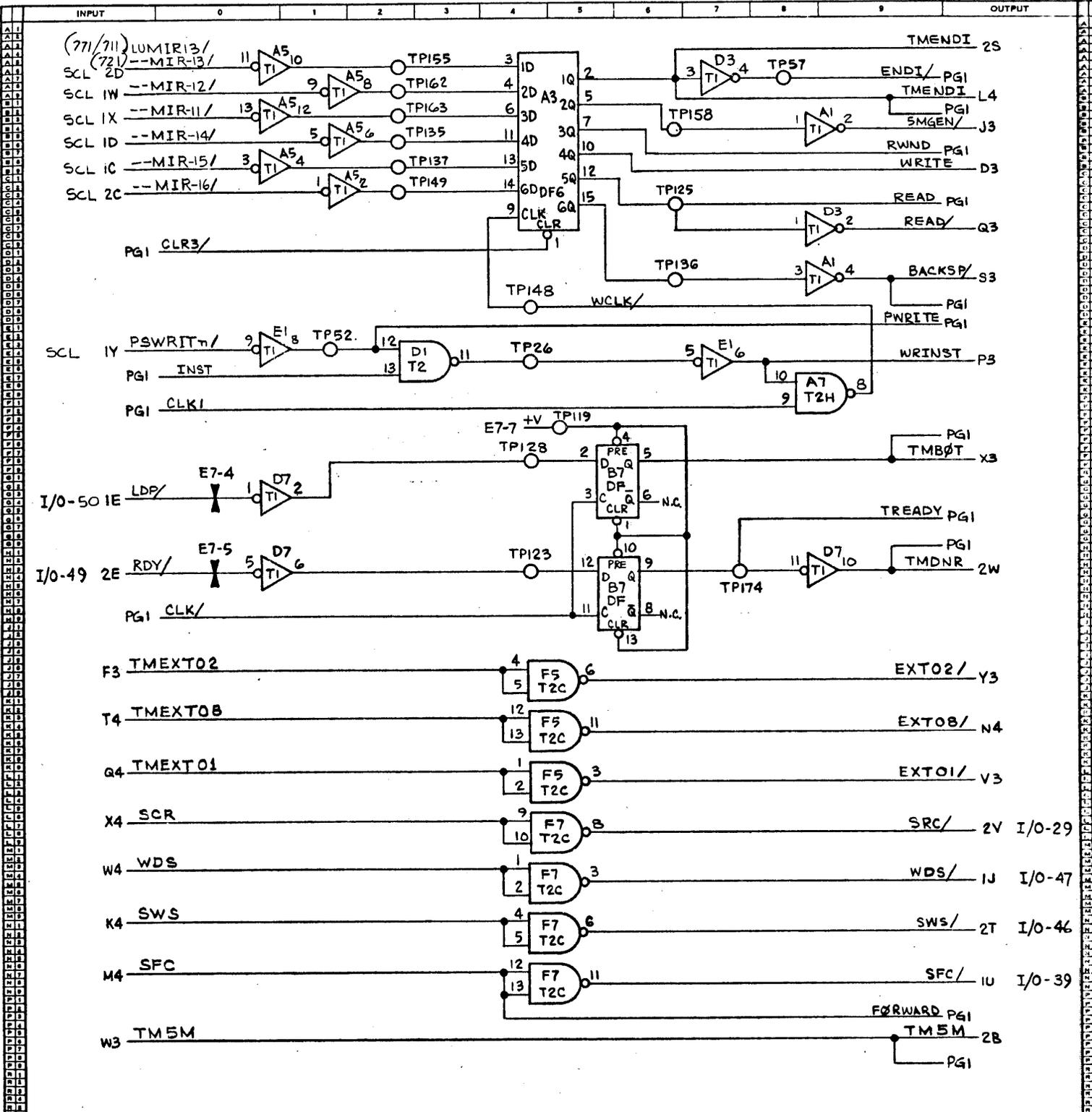
T1	1447 3532	5			
T2	1447 3516	2			
T2A	1447 3524	3			
T2C	1447 3581	2	JF	1447 3615	4
T2H	1479 0240	1	DF6	1449 1260	1
T4	1447 3565	1		1447 5396	1
DF	1447 3607	1	T3	1447 3540	2
CODE	PART NUMBER	QTY	CODE	PART NUMBER	QTY

CC2-9520 SH

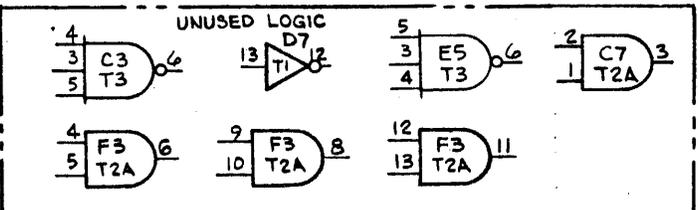
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TITLE TM4
 SYSTEM
 DRAWN *P. Almy* 3/19/73 CHECKED *J. Klam*
 APPROVED B. DIENEKMAN RELEASED *M. ...* 12-19-74
 DWG. NO. 1448 2582
 PAGE 1 OF 2
 REV. LETTER B ECN 3508
 11-16-74 AET

SCHMATIC



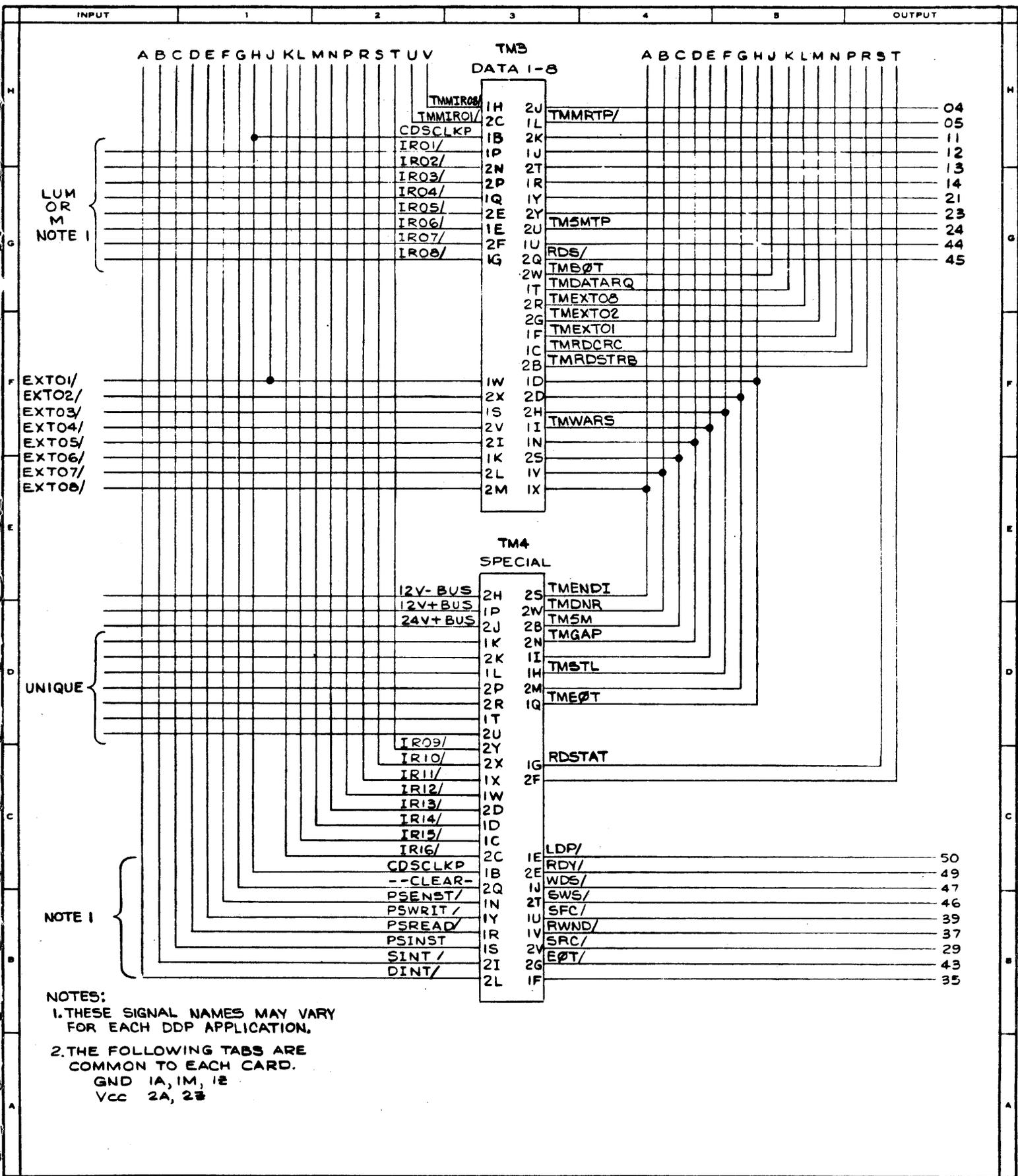
INDICATES TERMINATOR RESISTOR.
 *UNABLE TO OBTAIN DEDICATED VIA.
 TP INDICATES TEST POINT.



SH

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TITLE TM4
 SYSTEM
 DRAWN P.L. Along 3/29/73 CHECKED J. Kellum
 APPROVED B. DINERMAN RELEASED 6-11-73
 DWG. NO. 1448 2582
 PAGE 2
 REV. LETTER B ECN 3508
 11-18-74 AET



NOTES:
1. THESE SIGNAL NAMES MAY VARY FOR EACH DDP APPLICATION.
2. THE FOLLOWING TABS ARE COMMON TO EACH CARD.
GND 1A, 1M, 1E
VCC 2A, 2E

Burroughs Corporation



COMPUTER SYSTEMS GROUP
 DOWNINGTOWN PLANT
 DOWNINGTOWN, PENNSYLVANIA 19335

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 CONSENT.

NUMBER

2606 3974

REV

B

TITLE

FIELD INSTALLATION INSTRUCTIONS FOR
 MAGNETIC TAPE CONTROL OPTION (B391)

PREPARED BY

H. Caswell
 H. Caswell
 9-8-75

APPROVED BY

B. Dinerman
 B. Dinerman
 9-8-75

ORIGINAL RELEASE DATE

9-26-75

PAGE 1 OF 2

REVISIONS

LEVEL	DESCRIPTION	DATE	APPROVED
A	Initial Release <i>ER109 REV09</i>		
B	Revised per ECN 4448. Templates deleted.	12-3-75	<i>W. Springer</i> <i>W/S</i>

2606 3974



1. SCOPE

1.1 Scope.- This document defines the instructions for field installation of the B391 magnetic tape control option, M&E No. 1448 0420.

1.2 Option items.- The B391 control option consists of the following items:

Quantity	Description	Part No.
1	Circuit Card Assembly TML	1447 9877
1	Circuit Card Assembly TM2	1447 9893
1	Circuit Card Assembly TM3	1447 9919
1	Circuit Card Assembly TM4	1447 9935
2	Connector Assembly	2605 0807
1	Cable Assembly	1448 0438
1	Decal	1448 6708

2. INSTALLATION INSTRUCTIONS

- (a) Insert the four circuit card assemblies into the appropriate DDP backplane locations in accordance with system requirements. Refer to the backplane map contained in the system FT&R documentation package for specific DDP card locations.
- (b) Attach the two connector assemblies to the frontplane connector end of the following card pairs:
 - TML and TM2
 - TM3 and TM4
- (c) On the insertion side of the backplane, attach the 50-pin connector end of the cable assembly which has the strain relief bracket to the appropriate I/O connector.
- (d) Attach the printed circuit card connectors J101, J102, and J103 to the edge of the appropriate card in the tape unit. Provisions for strain relief clamping of the cable exists within the tape unit.
- (e) Affix the decal to the configuration plate in the space for the DDP location which uses this control option.
- (f) Option installation is now completed.

DWG NO. 1449 0304
 SHEET 2 OF 2
 RELEASED
 REL 5-17-75
 ER BK
 ECN 1937 GR AND 12-5-73
 ECN 2777
 9-16-74
 APT

WIRE NO.	CONDUCTOR		FROM		TO		REMARKS	WIRE NO.	CONDUCTOR		FROM		TO		REMARKS				
	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES			TERMINAL	TYPE OF TERMINATION	SIZE	COLOR	PART REF DES	TERMINAL		TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION
1	26	RED	P1	3	WIRE WRAP	P2	50	WIRE WRAP	PCOP/	26	26	RED	P1	39	WIRE WRAP	P2	41	WIRE WRAP	FEEDS
2				4			49		PCOPA/	27				46	SOLDER		25		+24V
3				1			47		PCIP/	28				40	WIRE WRAP		12		TUFP
4				2			46		PCIPA/	29				45			23		TUFP
5				8			39		PC2P/	30				21			17		IBKP
6				9			35		PC2PA/	31				23			27		PJFD/
7				6			31		PC3P/	32				25			9		TLWP
8				7			43		PC3PA/	33				27			28		FEEDP
9				13			4		PC4P/	34				29			18		CBKP
10				14			13		PC4PA/	35				50			36		GND
11				11			14		PC5P/	36				50			P2	36	GND
12				12			5		PC5PA/	37	26	RED	P1	47	WIRE WRAP	P1	48	WIRE WRAP	JUMPER
13				18			45		PC6P/	38									
14				19			24		PC6PA/	39	22	BRN	FB 4TBI	A AD	1471 9892	P1	46	SOLDER	+24V
15				16			11		PC7P/	40									
16				17			21		PC7PA/	41									
17				22			1		PCOS	42									
18				24			2		PCIS	43									
19				26			3		PC2S	44									
20				28			42		SPKTS	45									
21				30			15		PC3S	46									
22				32			22		PC4S	47									
23				34			32		PC5S	48									
24				36			33		PC6S	49									
25	26	RED	P1	38	WIRE WRAP	P2	34	WIRE WRAP	PC7S	50									

NOTES:

982

DRAWN DATE 5/14/73
 CHECKED DATE 5/15/73
 DSGN OR ENGR DATE 5/11/73
 APPROVED DATE 5/11/73

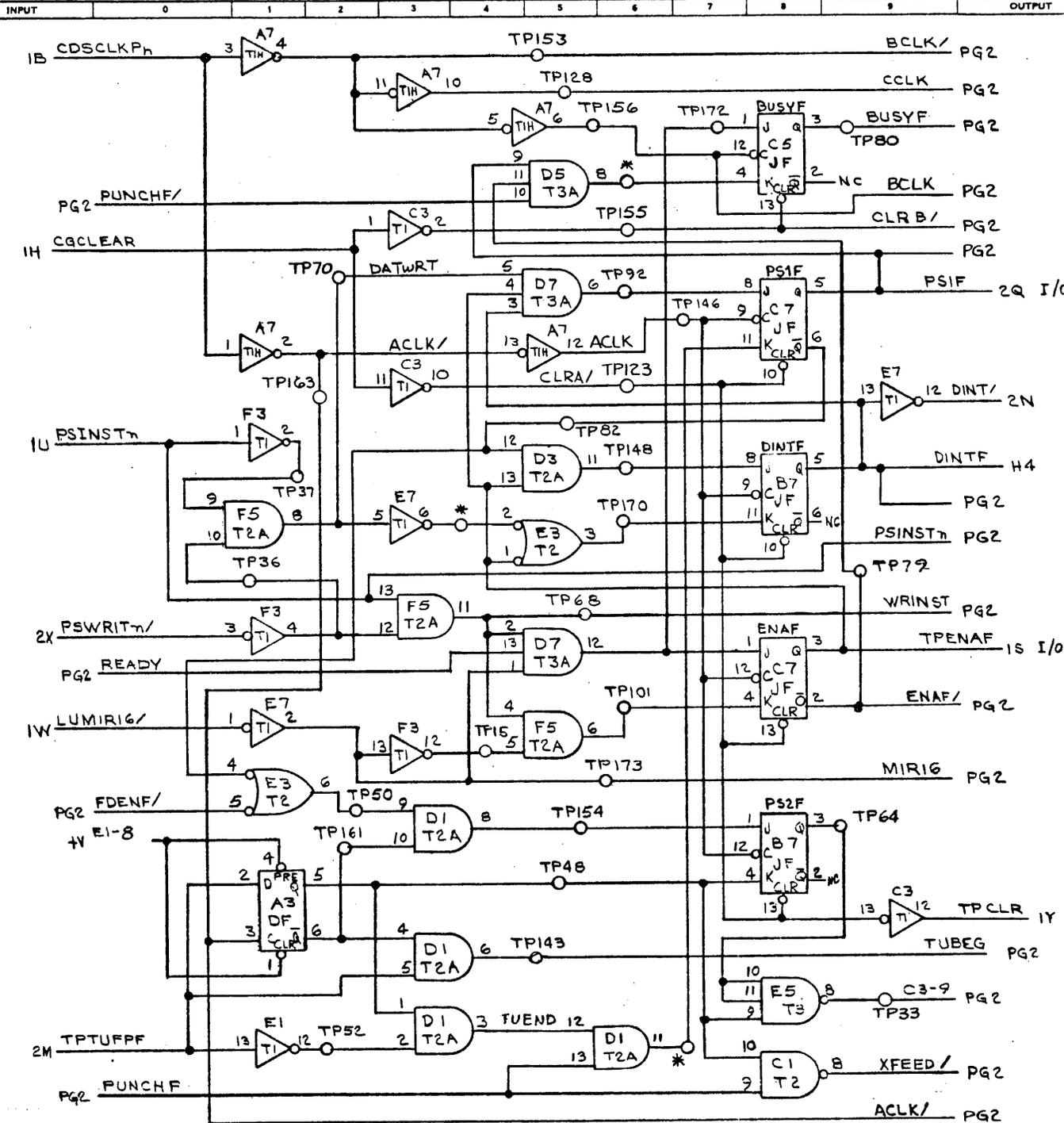
Burroughs Corporation
 SMALL SYSTEMS PLANT
 DOWNTOWN, PA. 19338, U. S. AMERICA

TITLE WIRE LIST
 ADAPTER CABLE A9222 PAPER TAPE PUNCH

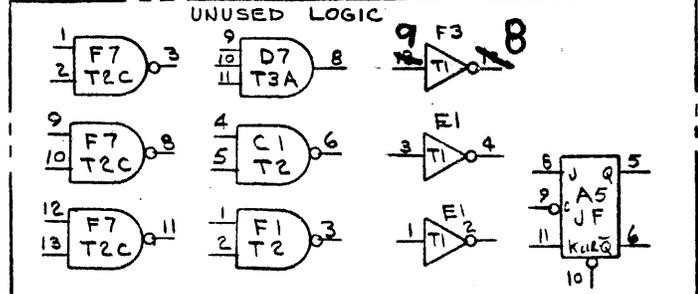
SHEET 2 OF 2
 DWG NO 1449 0304

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SCHEMATIC



* INDICATES TEST POINT UNAVAILABLE



T2C	1447 3581	1
T2A	1447 3524	3
T1	1447 3532	4
T2	1447 3516	3
TIH	1473 7971	1
T3A	1447 3557	2
DF	1447 3607	2
JF	1447 3615	5
T3	1417 3540	1
CODE	PART NO	QTY

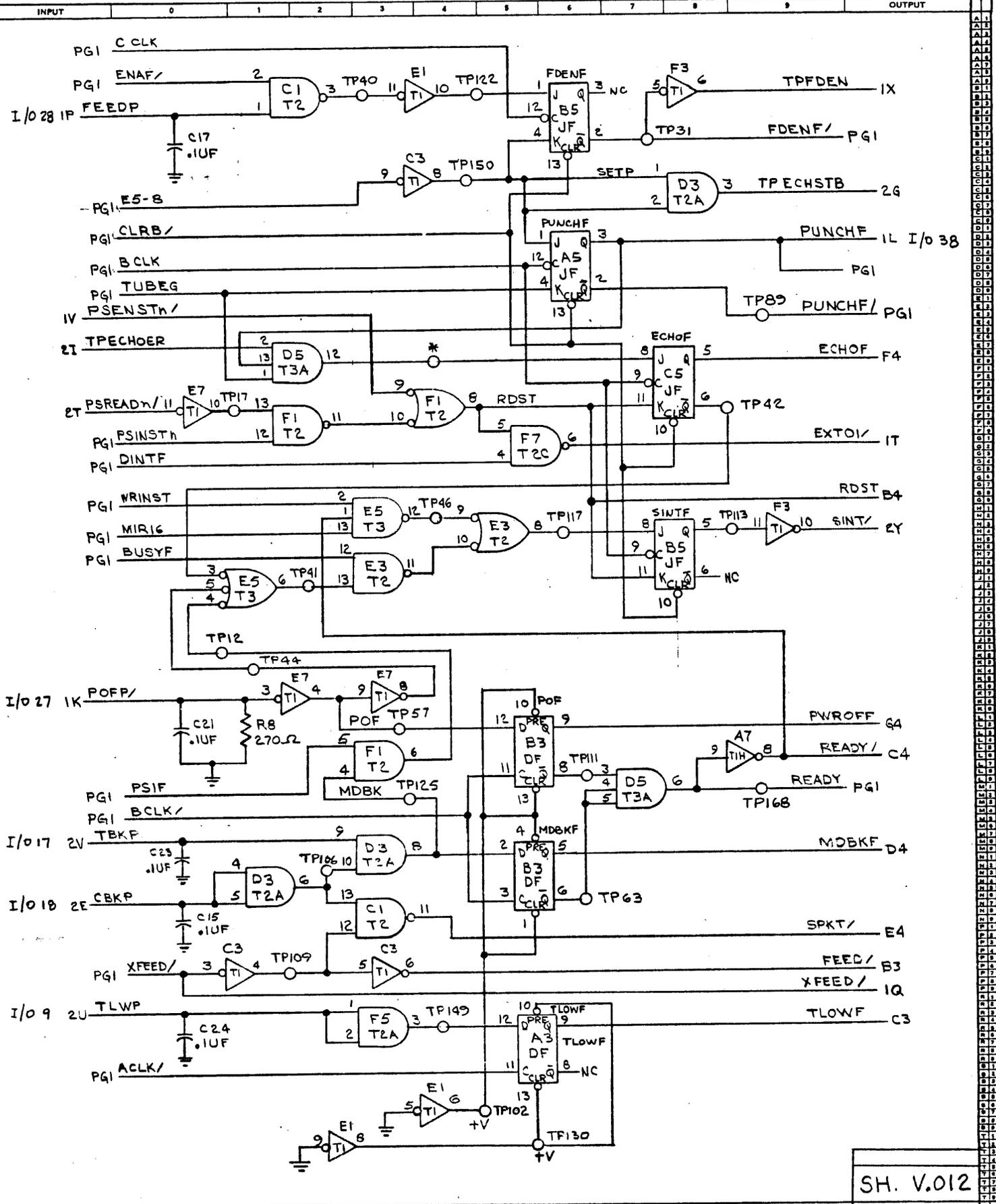
SH V.011

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EEN 5069

TITLE PPT/EPC PERFORATOR CONTROL TPPI 1449 0361
 SYSTEM B711 DWG. NO. 4125/73
 DRAWN J. DICKER (3M) 53 CHECKED Rwb PAGE 1 OF 2
 APPROVED J. Smith RELEASED ER 84 REV. LETTER # B
 5-17-73

SCHEMATIC



SH. V.012

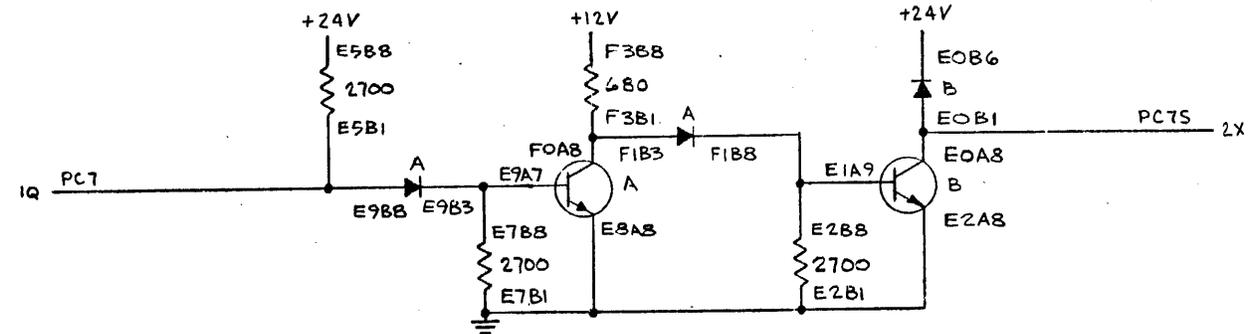
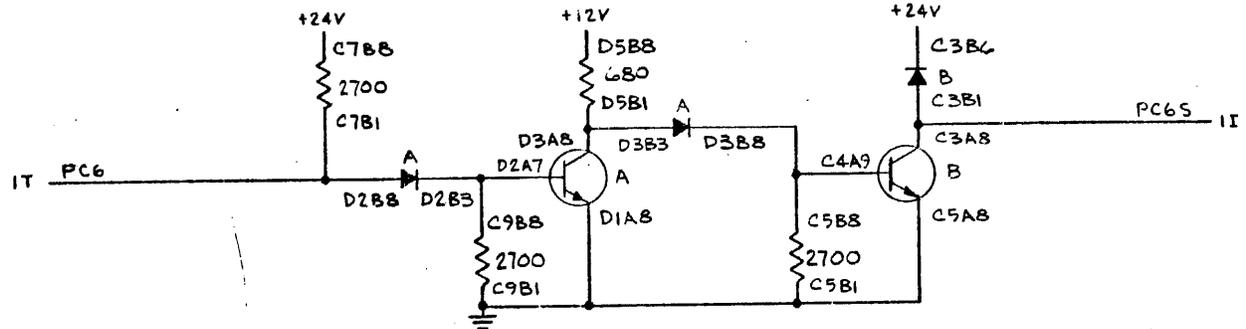
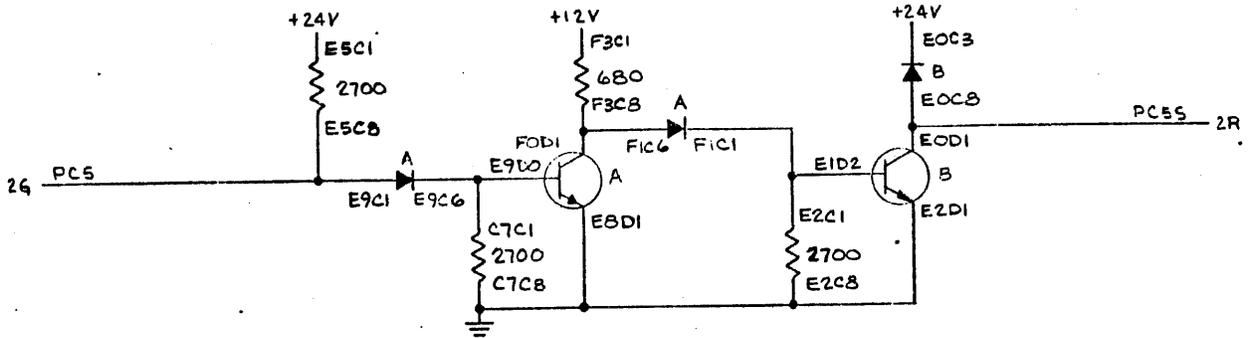
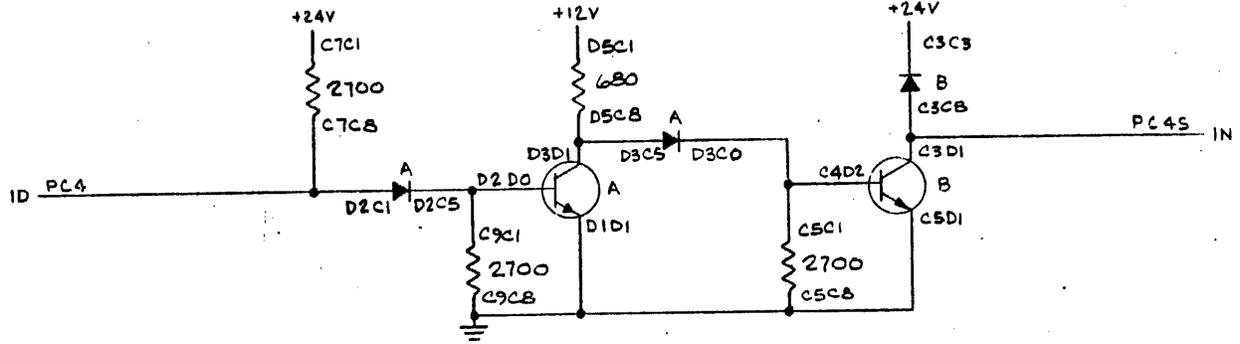
Burroughs Corporation
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TITLE PPT/EPC PERFORATOR CONTROL TPPI
 SYSTEM B 7 11 DWG. NO. 1449 0361
 DRAWN J G OERR 16 MAR 73 CHECKED R W L PAGE 2
 APPROVED J S M RELEASED E R B REV. LETTER A
5-17-73

SCHEMATIC

INPUT

OUTPUT



SH V.022

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TITLE TPP2 PAPER TAPE PUNCH
 SYSTEM B700
 DRAWN J. SCHLENNER CHECKED *RWB* 4/27
 APPROVED *J. Schlenner* RELEASED EK 84 5-17-73
 DWG. NO. 1449 0395
 PAGE 2
 REV. LETTER A

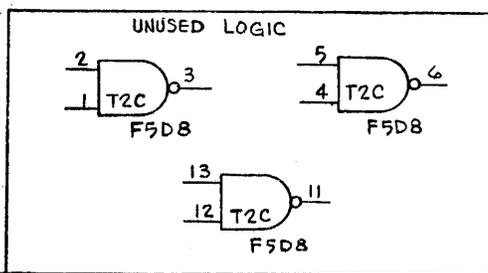
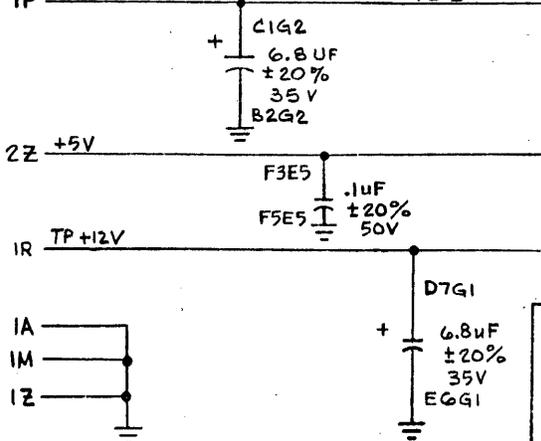
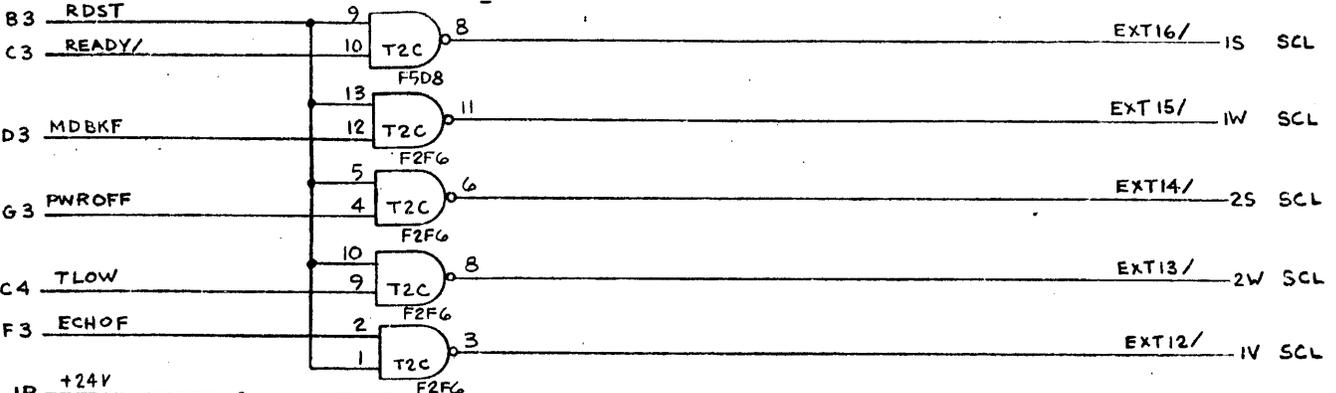
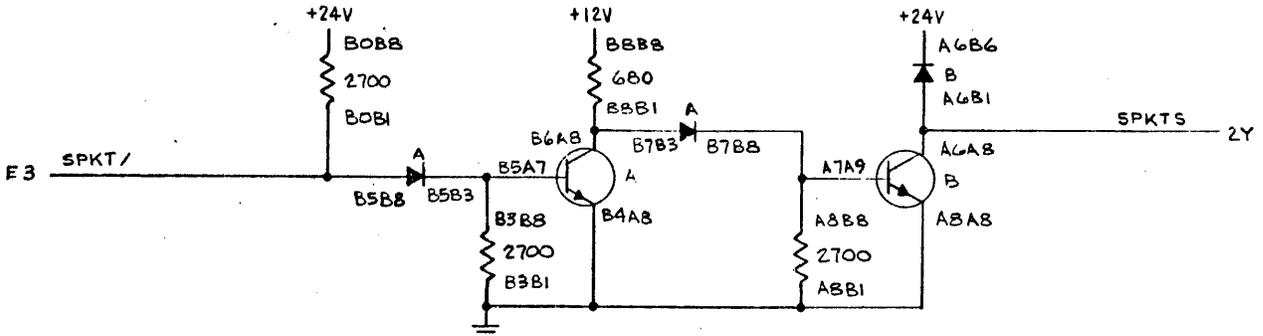
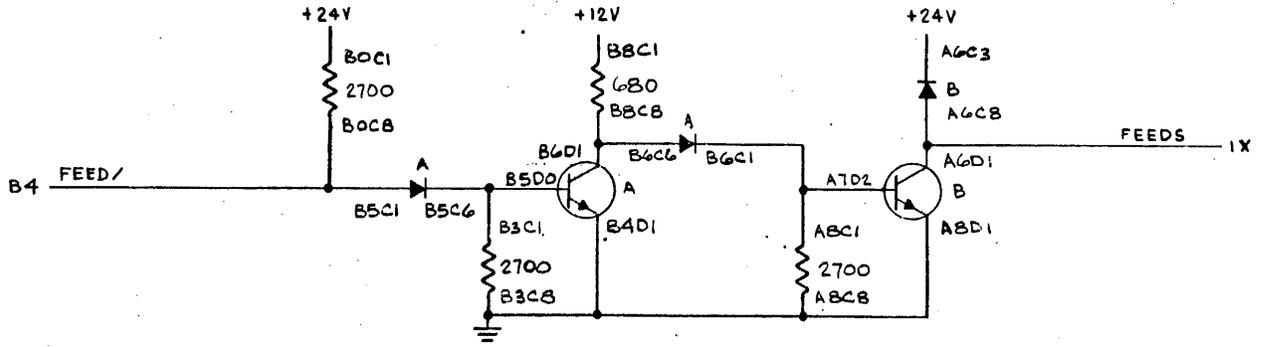
1-31-73

PRINTED IN U.S.A.

290

SCHEMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

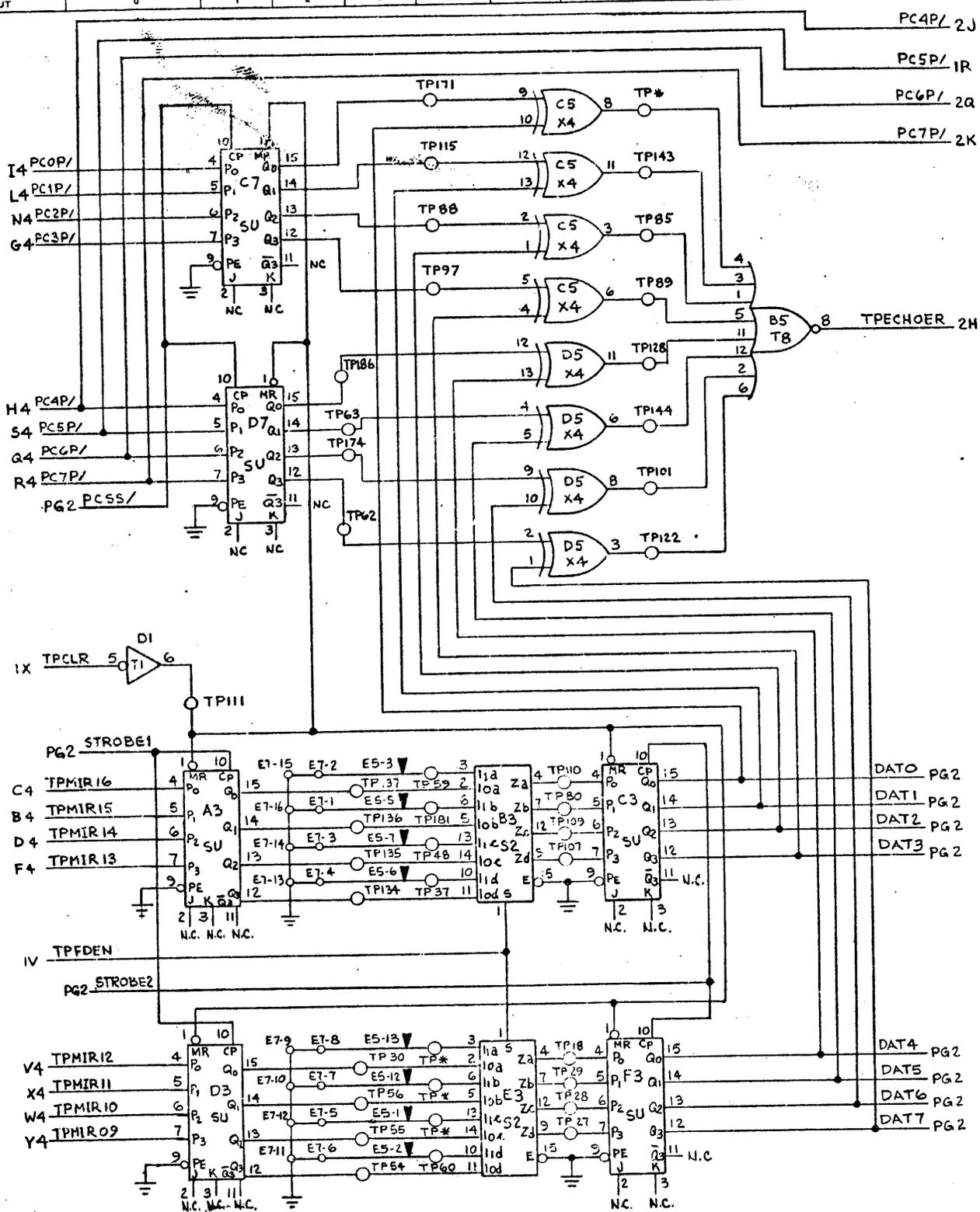


SH V.023

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TITLE TPP2 PAPER TAPE PUNCH
 SYSTEM B700
 DRAWN J. SCHLENNER
 APPROVED [Signature] RELEASED ENR 84
 DWG. NO. 1449 0395
 PAGE 3
 REV. LETTER A
 5-17-73

SCHMATIC



* UNABLE TO OBTAIN DEDICATED VIA.

UNUSED LOGIC



X4	1447 3698	2			
T8	1447 3573	1	S2	1447 3797	2
T1	1447 3532	1	T2C	1479 3581	2
DF	1447 3607	1	T2H	1479 0240	1
555	1449 1039	1	SU	1447 3755	6

CODE	PART NO.	QTY	CODE	PART NO.	QTY

SH. V.031

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TITLE TPP3 SYSTEM B700
 DRAWN J.SCHLENNER CHECKED CLG
 APPROVED [Signature] RELEASED ER84
 5-17-73

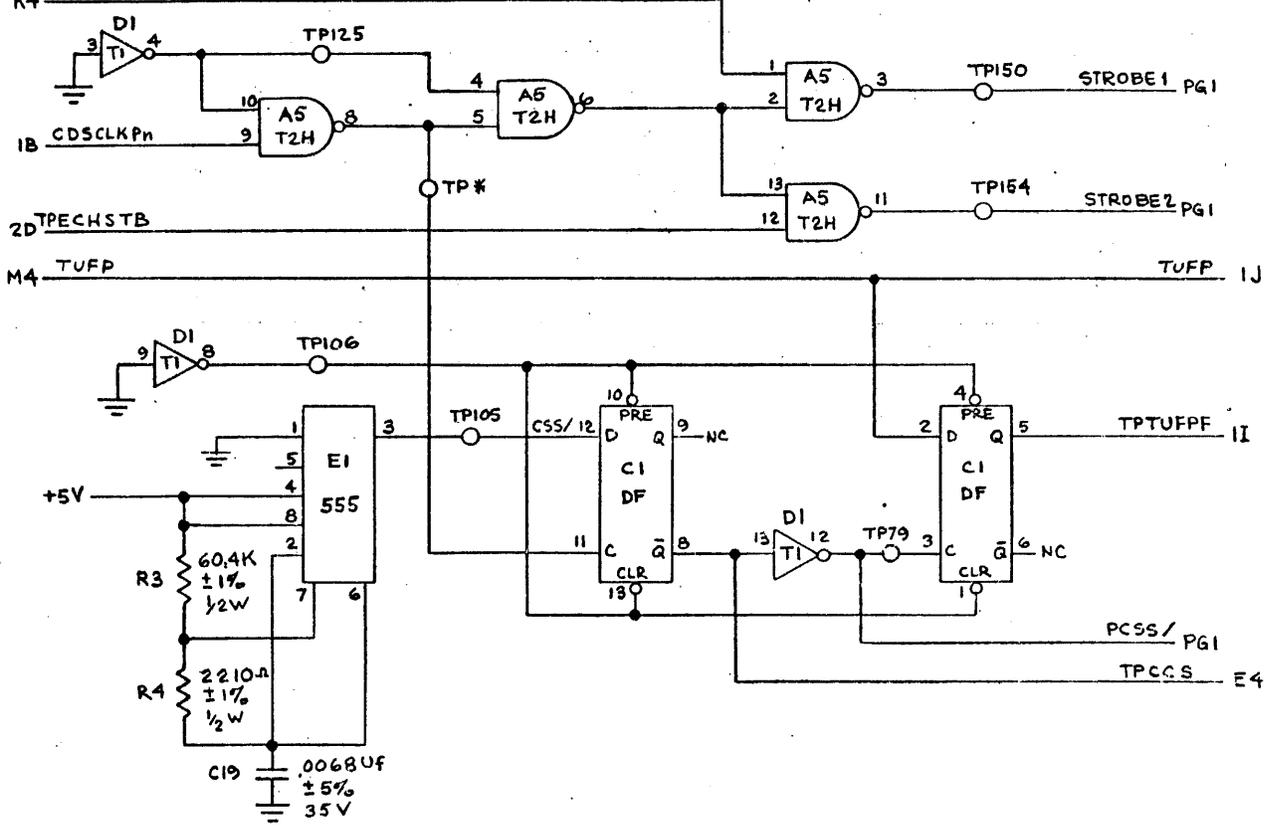
DWG. NO. 1449 0429
 PAGE 1 OF 2
 REV. LETTER A

292

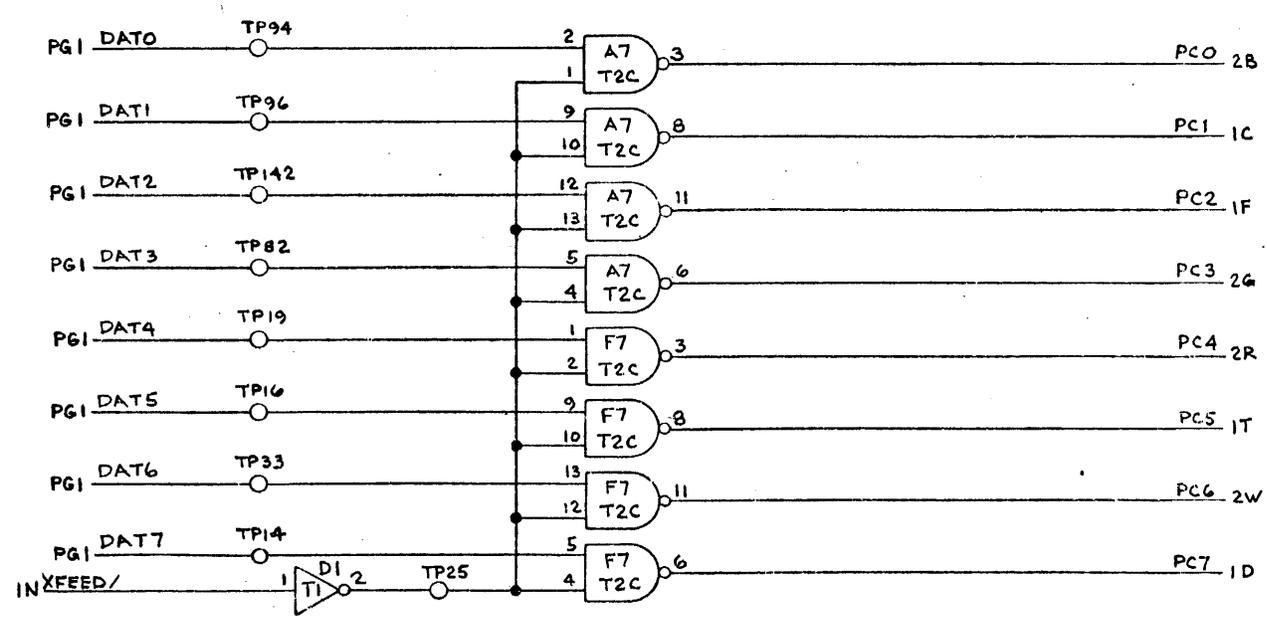
SCHMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

J4 PC4PA/ PC4PA/ 2T
 P4 PC5PA/ PC5PA/ 1L
 U4 PC6PA/ PC6PA/ 2U
 T4 PC7PA/ PC7PA/ 1Y
 K4 DATWD



R3 TUFFA TUFFA 2Y



SH. V.032

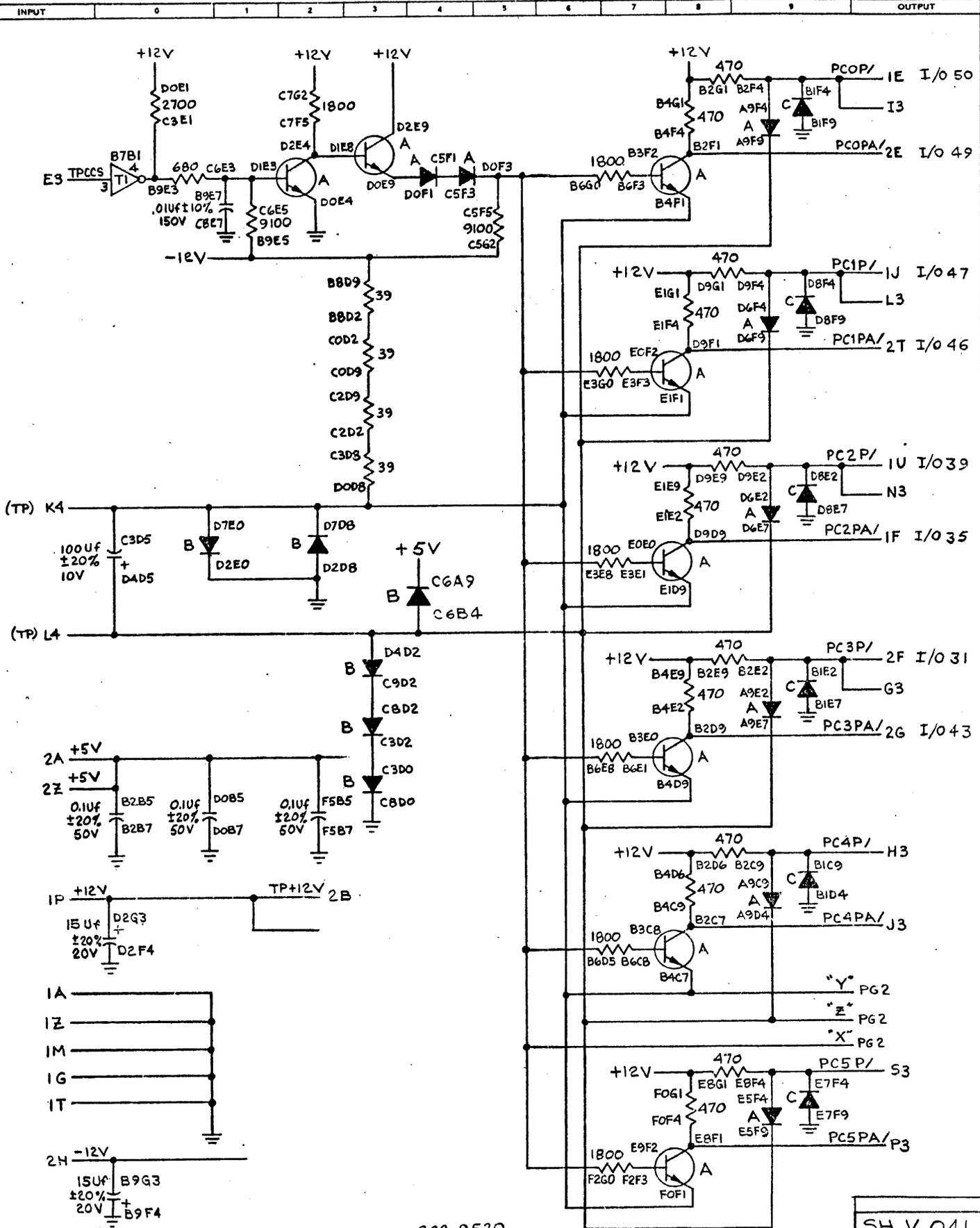
INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

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TITLE TPP3
 SYSTEM B700
 DRAWN J. SCHLENNER CHECKED CLB
 APPROVED [Signature] RELEASED ER 84
 5-11-73

DWG. NO. 1449 0429
 PAGE 2
 REV. LETTER A

SCHEMATIC



CC2-9520

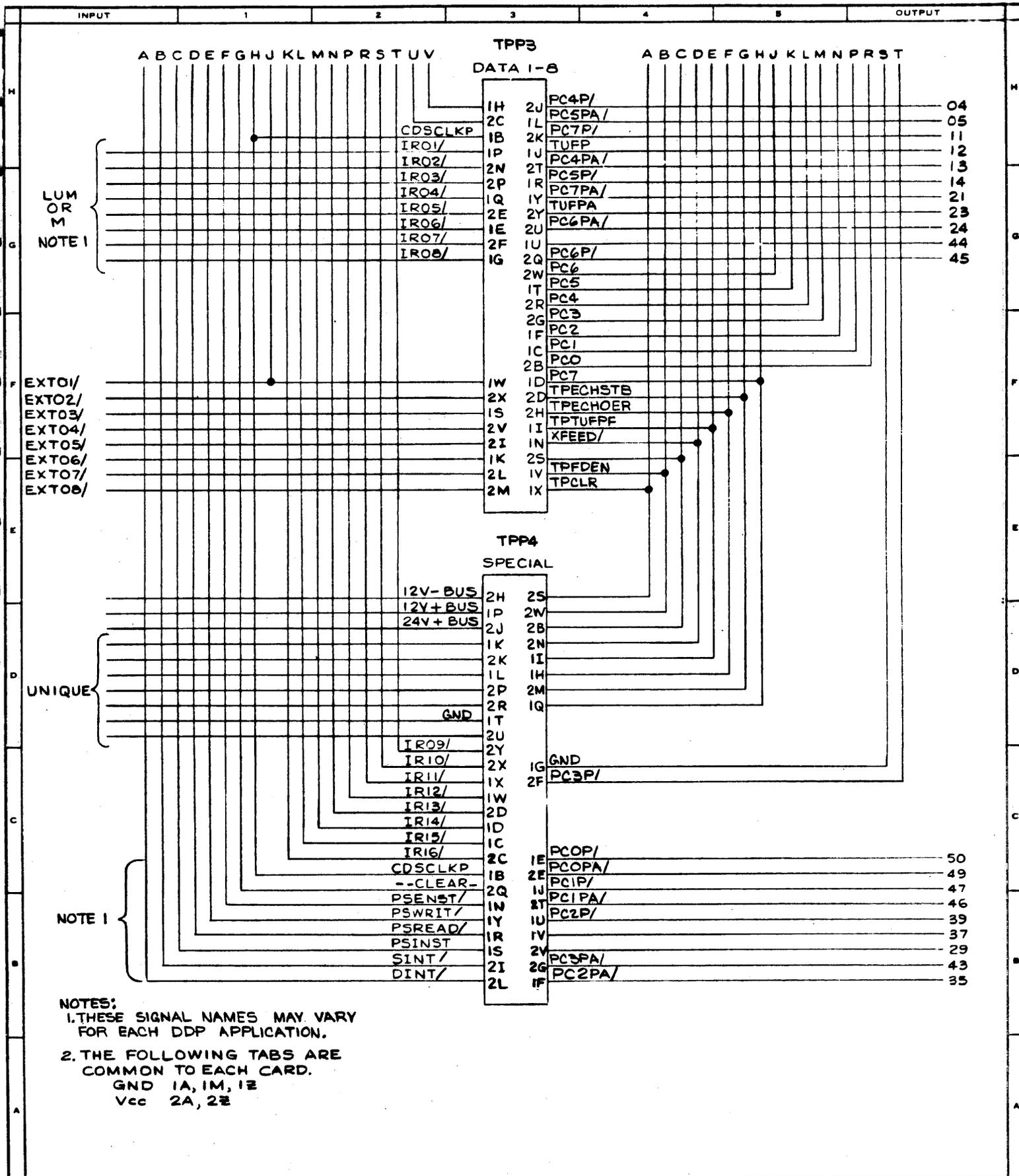
SH.V.041

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TITLE TPP4 PAPER TAPE PUNCH
 SYSTEM B711
 DRAWN CL BISCHOFF
 APPROVED C DIMERMAN
 CHECKED J. Schlemmer
 RELEASED ER 84
 DWG. NO. 1449 0452
 PAGE 1 OF 2
 REV. LETTER A
 5-17-73

294

294



NOTES:
 1. THESE SIGNAL NAMES MAY VARY FOR EACH DDP APPLICATION.
 2. THE FOLLOWING TABS ARE COMMON TO EACH CARD.
 GND 1A, 1M, 1Z
 Vcc 2A, 2Z

Burroughs Corporation COMPUTER SYSTEMS GROUP DOWNTOWN PLANT DOWNTOWN, PENNSYLVANIA 19333		<small>PROPRIETARY TO BURROUGHS CORP. NOT TO BE REPRODUCED NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT.</small>	NUMBER 2606 3925	REV B
		TITLE FIELD INSTALLATION INSTRUCTIONS FOR PAPER TAPE PUNCH CONTROL OPTION (B221)		
PREPARED BY <i>H. Caswell</i> H. Caswell 9-8-75	APPROVED BY <i>B. Dinerman</i> B. Dinerman 9-8-75			

REVISIONS			
LEVEL	DESCRIPTION	DATE	APPROVED
A	Initial Release <i>ER 109 Rev 09</i>		
B	Revised per ECN 4448. Templates deleted.	12-2-75	<i>W. Stangier</i> <i>J/S</i>

2606 3925



1. SCOPE

1.1 Scope.- This document defines the instructions for field installation of the B221 paper tape punch control option, M&E No. 1449 0296.

1.2 Option items.- The B221 control option consists of the following items:

Quantity	Description	Part No.
1	Circuit Card Assembly TPP1	1449 0346
1	Circuit Card Assembly TPP2	1449 0379
1	Circuit Card Assembly TPP3	1449 0403
1	Circuit Card Assembly TPP4	1449 0437
2	Connector Assembly	2605 0807
1	Cable Assembly	1449 0304
2	Pan Head Screw	1256 0397
2	Washer	1256 7426
1	Decal	1088 6836
1	Decal	1448 6732

2. INSTALLATION INSTRUCTIONS

- (a) Insert the four circuit card assemblies into the appropriate DDP backplane locations in accordance with system requirements. Refer to the backplane map contained in the system FT&R documentation package for specific DDP card locations.
- (b) Assemble the two connector assemblies to the front plane connector end of the following card pairs:
 - TPP1 and TPP2
 - TPP3 and TPP4
- (c) On the insertion side of the backplane, attach the 50-pin connector end of the cable assembly which has the strain relief bracket to the appropriate I/O connector.
- (d) Secure the 50-pin connector on the other end of the cable assembly to the adapter panel using the pan head screws and washers provided.
- (e) For B711 and B771 systems only, mark on the connector assignment decal, located on the power control unit, the slots of the adapter panel which use this control option.
- (f) Affix decal (1088 6836), which reads "NFPA Type II", to the left of the processor identification plate.



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CONSENT.

NUMBER

2606 3925

REV

B

PAGE 3

OF 3

- (g) Affix decal (1448 6732), which identifies the control and its serial number, to the configuration plate in the space for the DDP location which uses this control option.
- (h) Option installation is now complete.
- (i) Power for the paper tape punch is supplied from a 14-pin connector in the processor power control assembly. Refer to the connection diagram contained in the system FT&R document package.

DWG NO.
1448 9199

SHEET 2 OF

RELEASED
A ECN1150 01-17-72 CKF
SW 103142
B ECN1156 10-27-72
C ECN1163 JES
D ECN1181 11-15-72
E ECN2777 9-16-74 AFT

WIRE NO.	CONDUCTOR		FROM			TO			REMARKS	WIRE NO.	CONDUCTOR		FROM			TO			REMARKS
	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION			SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	
1	26	RED	P2	1	WIRE WRAP	PI	28	WIRE WRAP	RT7	26									
2				2			27		RT6	27									
3				3			26		RT5	28									
4				6			50		GRD	29									
5				7			40		SRT/-T	30									
6				8			31		ROFP	31									
7				9			32		CLOP	32									
8				15			33		RT4	33									
9				19			29		SPKT	34									
10				22			36		RT3	35									
11				25			35		RT2	36									
12				26			50		GRD	37									
13				32			34		RT1	38									
14				33			37		RTO	39									
15				35			48		CHASSIS GRD	40									
16				38			44		ADVANCE/	41									
17	26	RED	P2	40	WIRE WRAP		49	WIRE WRAP	AC SHIELD	42									
18	22	BRN	T82 T81	B3 B8	1033 9844		46	SOLDER	+24V	43									
19	26	RED	P2	48	WIRE WRAP		50	WIRE WRAP	GRD	44									
20	26	RED	PI	43	WIRE WRAP	PI	49	WIRE WRAP	CHASSIS GRD	45									
21										46									
22										47									
23										48									
24										49									
25										50									

NOTES:

301

DRAWN J. ARMSTRONG	DATE 9-14-72
CHECKED J. INCH	DATE 9-19-72
DESIGN OR ENGR E. BOGUICH	DATE 9-19-72
APPROVED	DATE

Burroughs Corporation 

COMPUTER SYSTEMS GROUP
DOWNTOWN PA 19335

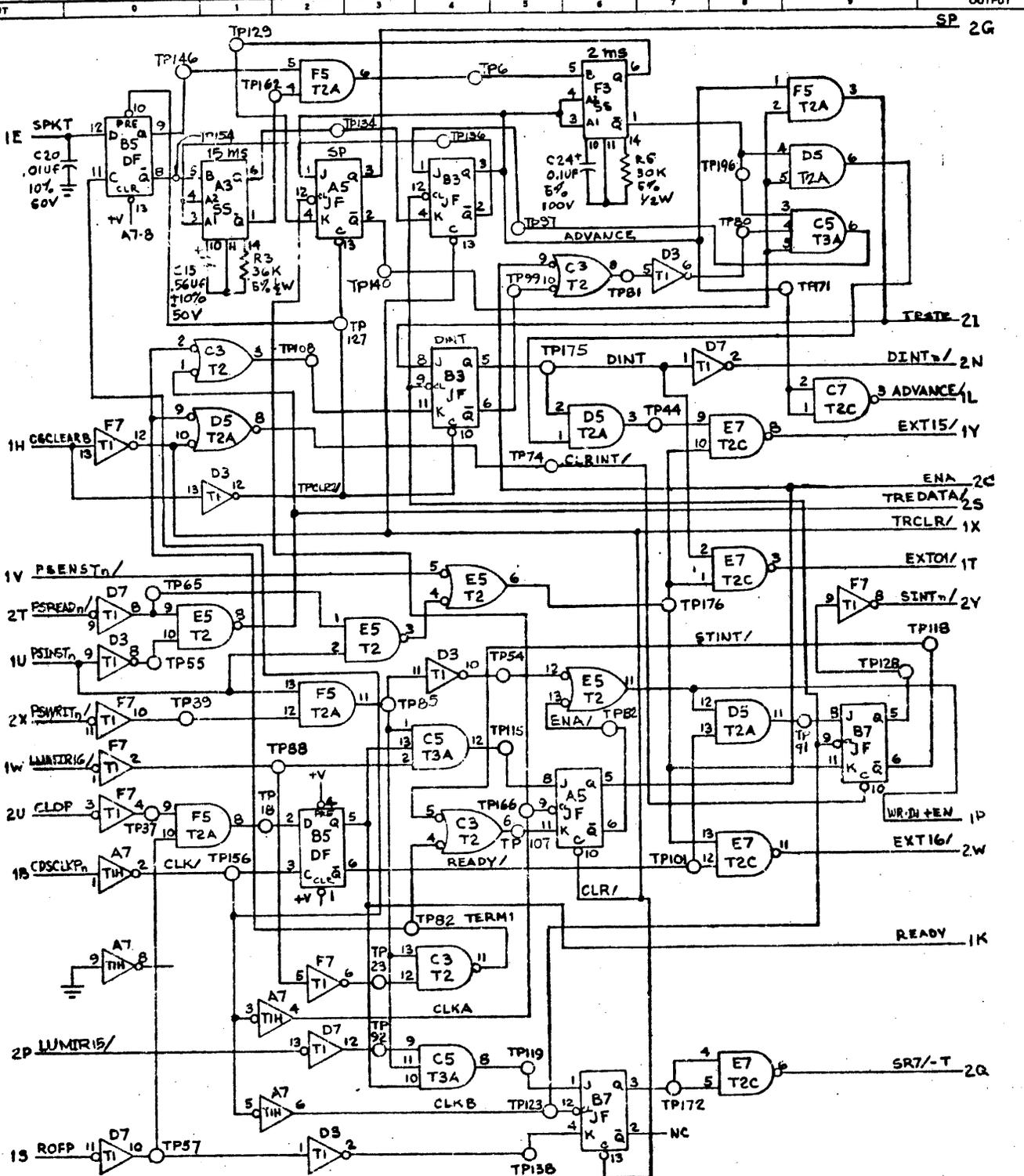
DOWNTOWN PLANT
U.S. AMERICA

TITLE
WIRE LIST
ADAPTER CABLE
A9122 PAPER TAPE READER

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SHEET 2 OF DWG NO 1448 9199

SCHEMATIC



UNUSED LOGIC



SS	1447 3706	2
JF	1447 3615	3
DF	1447 3607	1
T3A	1447 3557	1
T2C	1447 3581	2
T2A	1447 3524	2
T2	1447 3516	2
T1H	1479 7971	1
T1	1447 3532	3
CODE	PART NO.	QTY

CC2-9520 SH U.011

Burroughs Corporation

MAGNETIC SYSTEMS PLANT DOWNINGTOWN, PA 19335

PRODUCTION

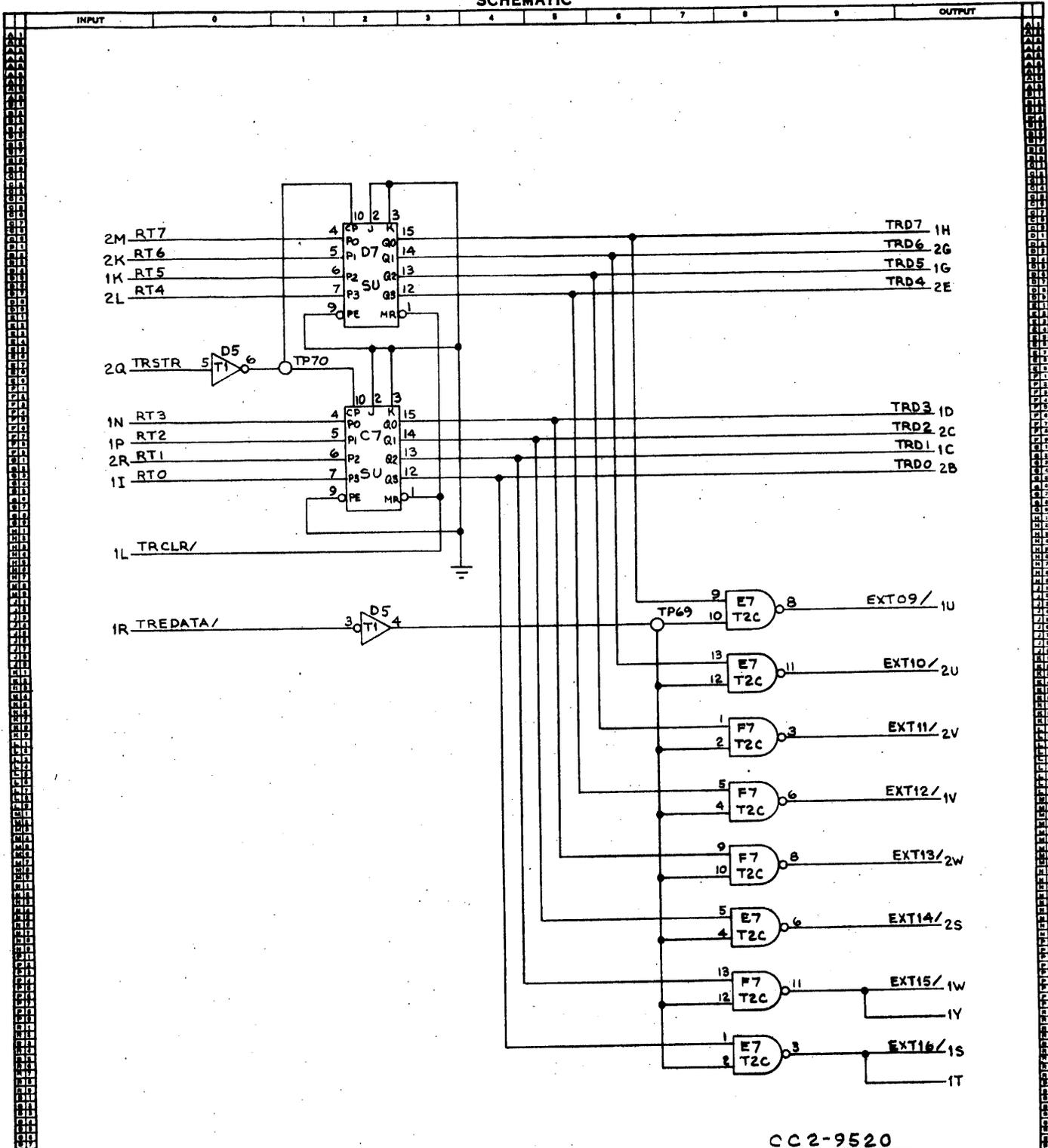
TITLE TPR: PPTREADER 1
 SYSTEM 8700
 DRAWN J.A.M.
 APPROVED E.B. DIETZMAN

DWG. NO. 1449 0486
 CHECKED R.WEAVER
 RELEASED 10-1-72
 REV. LETTER G PER ECH 4502
 06-12-75

PRINTED IN U.S.A.

302

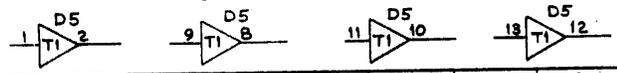
SCHMATIC



CC 2-9520

T2C	1447 3581	2
T1	1447 3532	1
SU	1447 3755	2
CODE	PART NO	QTY

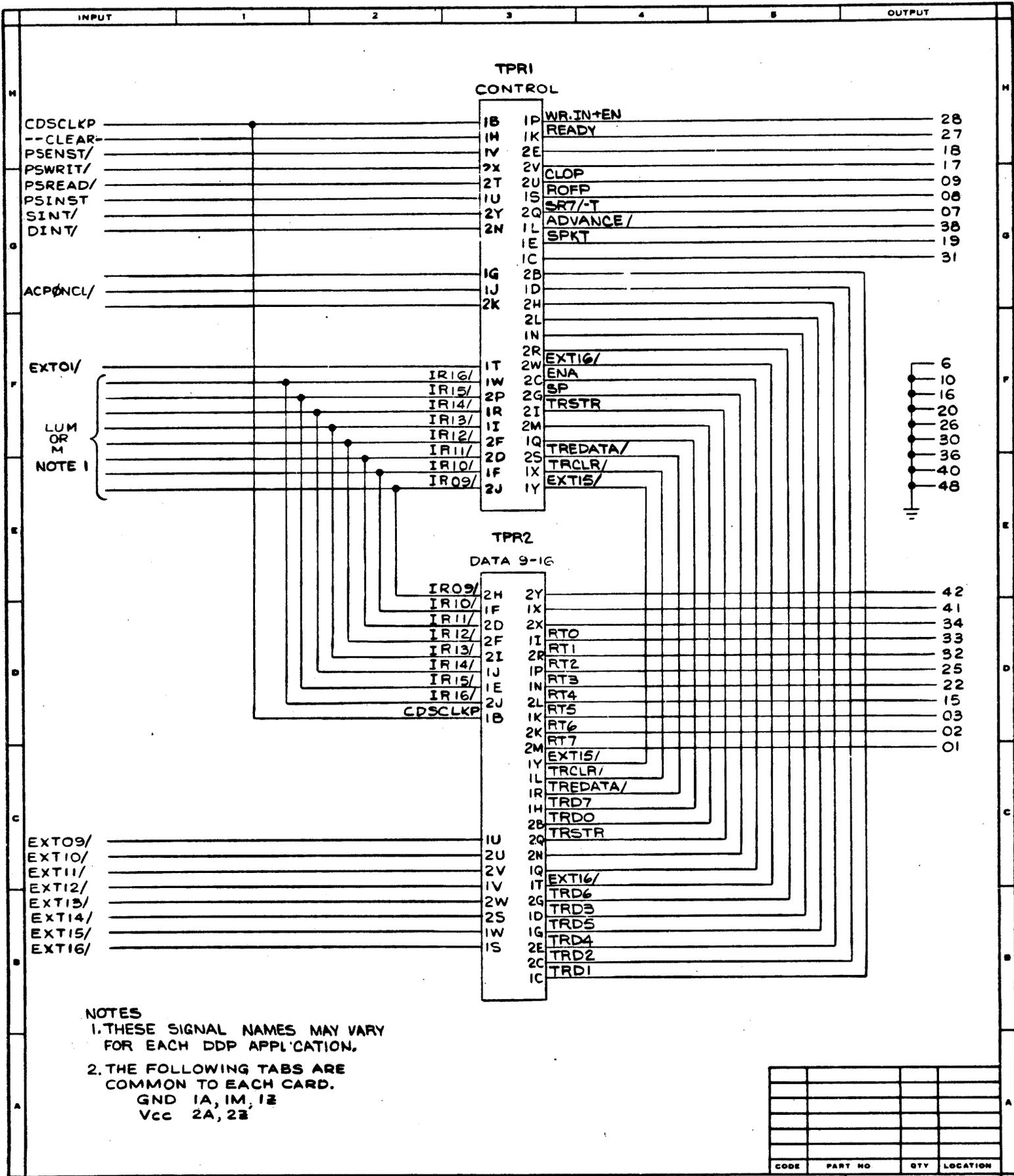
UNUSED LOGIC



SH U.021

<p>Burroughs Corporation MAGNETIC SYSTEMS PLANT DOWNINGTOWN, PA 19338</p>		<p>PRODUCTION</p>		<p>TITLE TPR 2 PPT READER 2 SYSTEM B700 DRAWN JAM APPROVED B. B. DINGEMAN 8-3-72</p>		<p>CHECKED <i>J. Selkman</i> 10-6-72</p>		<p>DWG. NO. 1449 0510 PAGE 1 OF 1 REV. LETTER A PER ECN 1352 04 1-26-72</p>	
--	--	--------------------------	--	--	--	--	--	---	--

PRINTED IN U. S. AMERICA



NOTES
 1. THESE SIGNAL NAMES MAY VARY FOR EACH DDP APPL'ICATION.
 2. THE FOLLOWING TABS ARE COMMON TO EACH CARD.
 GND 1A, 1M, 1Z
 Vcc 2A, 2Z

CODE	PART NO	QTY	LOCATION

304 Burroughs Corporation

COMPUTER SYSTEMS GROUP DOWNTOWN PLANT
 DOWNTOWN PA. 19332 U.S. AMERICA

REV A

DATE 1-12-76
 DESIGNED BY [Signature]
 CHECKED BY [Signature]
 DATE 1-20-76
 APPROVED BY [Signature]
 DATE 3-1-76

TITLE DDP TPR WIRING DIAGRAM

CLASS CODE 2-9520

SHEET 1 of 1 DWG NO. 2606 9752

PLY NO. 038 REV A

304

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SYN 56 REV 12-76

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COMPUTER SYSTEMS GROUP

DOWNINGTOWN PLANT

DOWNINGTOWN, PENNSYLVANIA 19335

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CONSENT.

NUMBER

2606 3917

REV

B

TITLE

FIELD INSTALLATION INSTRUCTIONS FOR
PPT READER CONTROL OPTION (B121-1)

PREPARED BY

H. Caswell

9-8-75
H. Caswell

APPROVED BY

B. Dinerman

9-8-75

ORIGINAL RELEASE DATE

9-26-75

PAGE 1 OF 3

REVISIONS

LEVEL	DESCRIPTION	DATE	APPROVED
A	Initial Release <i>ER109 Rev 09</i>		
B	Revised per EGN 4448. Templates deleted.	<i>12-3-75</i>	<i>W. Springer</i> <i>JS</i>

2606 3917



1. SCOPE

1.1 Scope.- This document defines the instructions for field installation of the B121-1 PPT reader control option, M&E No. 1448 9181.

1.2 Option items.- The B121-1 control option consists of the following items:

Quantity	Description	Part No.
1	Circuit Card Assembly TPR1	1449 0460
1	Circuit Card Assembly TPR2	1449 0494
1	Cable Assembly	1448 9199
2	Pan Head Screw	1256 0397
2	Washer	1256 7426
1	Decal	1088 6836
1	Decal	1448 6724

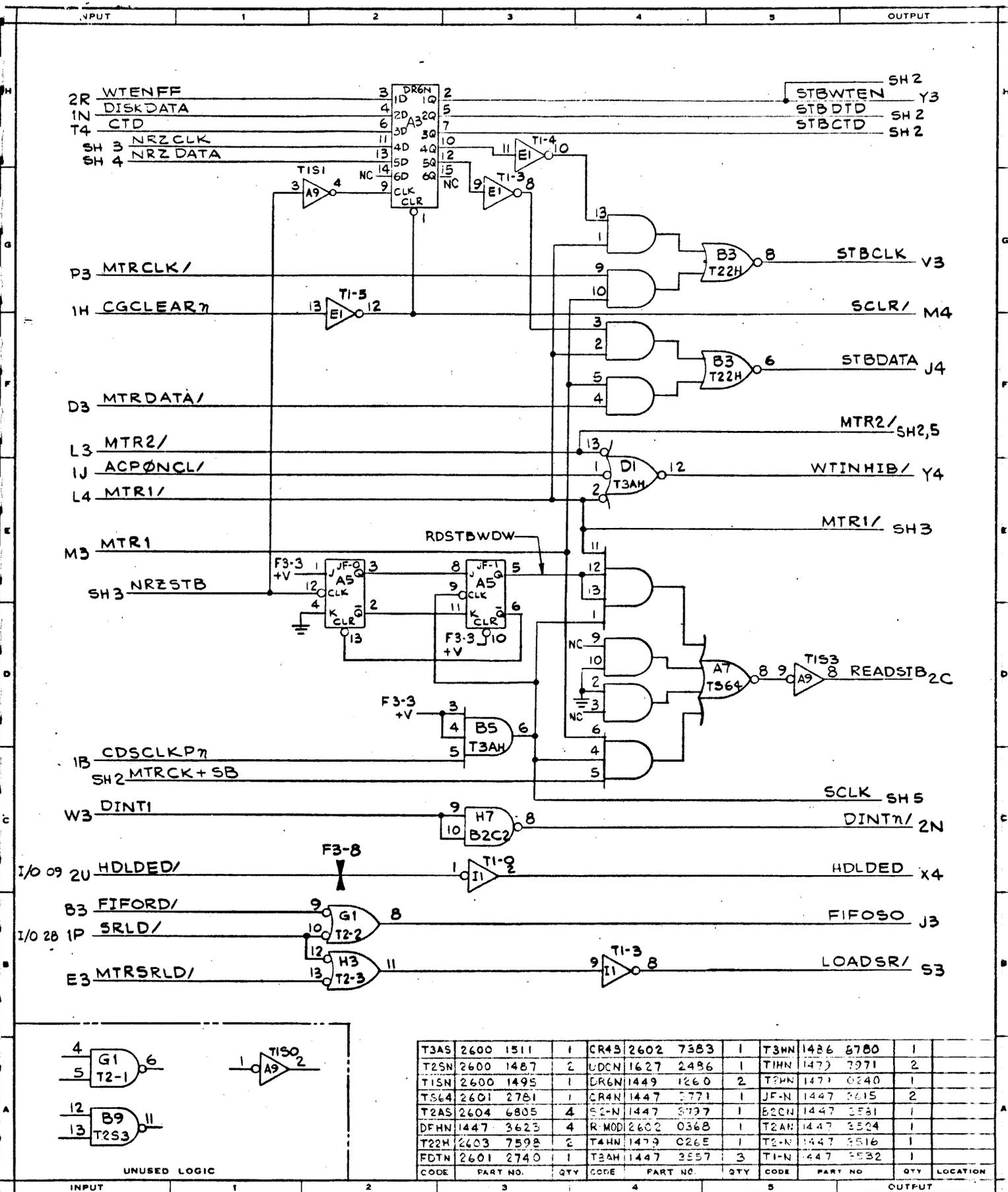
2. INSTALLATION INSTRUCTIONS

- (a) Insert the two circuit card assemblies into the appropriate DDP backplane locations in accordance with system requirements. Refer to the backplane map contained in the system FT&R documentation package for specific DDP card locations.
- (b) On the insertion side of the backplane, attach the 50-pin connector end of the cable assembly which has the strain relief bracket to the appropriate I/O connector.
- (c) Secure the 50-pin connector on the other end of the cable assembly to the adapter panel using the pan head screws and washers provided.
- (d) For B711 and B771 systems only, mark on the connector assignment decal, located on the power control unit, the slots in the adapter panel which use this control option.
- (e) Affix decal (1088 6836), which reads "NFPA Type II", to the left of the processor identification plate.
- (f) Affix decal (1448 6724), which identifies the control and its serial number, to the configuration plate in the space for the DDP location which uses this control option.



NUMBER	2606 3917	REV	B
PAGE	3	OF	3

- (g) Option installation is now complete.
- (h) Power for the PPT reader is supplied from a 14-pin connector in the processor power control assembly. Refer to the connection diagram contained in the system FT&R documentation package.



CODE	PART NO.	QTY	CODE	PART NO.	QTY	CODE	PART NO.	QTY	LOCATION
T3AS	2600 1511	1	CR43	2602 7383	1	T3HN	1486 8780	1	
T2SN	2600 1487	2	UDCN	1627 2486	1	TIHN	1473 7971	2	
TISN	2600 1495	1	DR6N	1449 1260	2	T2HN	1473 8240	1	
TS64	2601 2781	1	CR4N	1447 3771	1	JF-N	1447 3615	2	
T2AS	2604 6805	4	SC-N	1447 3727	1	B2CN	1447 3531	1	
DFHN	1447 3623	4	R-MOD	2602 0368	1	T2AH	1447 3524	1	
T22H	2603 7598	2	T4HN	1479 026E	1	T2-N	1447 3516	1	
FDTN	2601 2740	1	T3AH	1447 3557	3	TI-N	1447 3532	1	

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DOWNTOWN, PA. 19335 U.S. AMERICA

REV C C C A B

SH 1 2 3 4 5

REVISIONS: REL, ECN, ECR, ECU, ECA, ECB, ECL, ECU, ECA, ECB, ECL, ECU

DATE: 6-14-76

FILE: ICMDC1

CLASS CODE: 2-9520

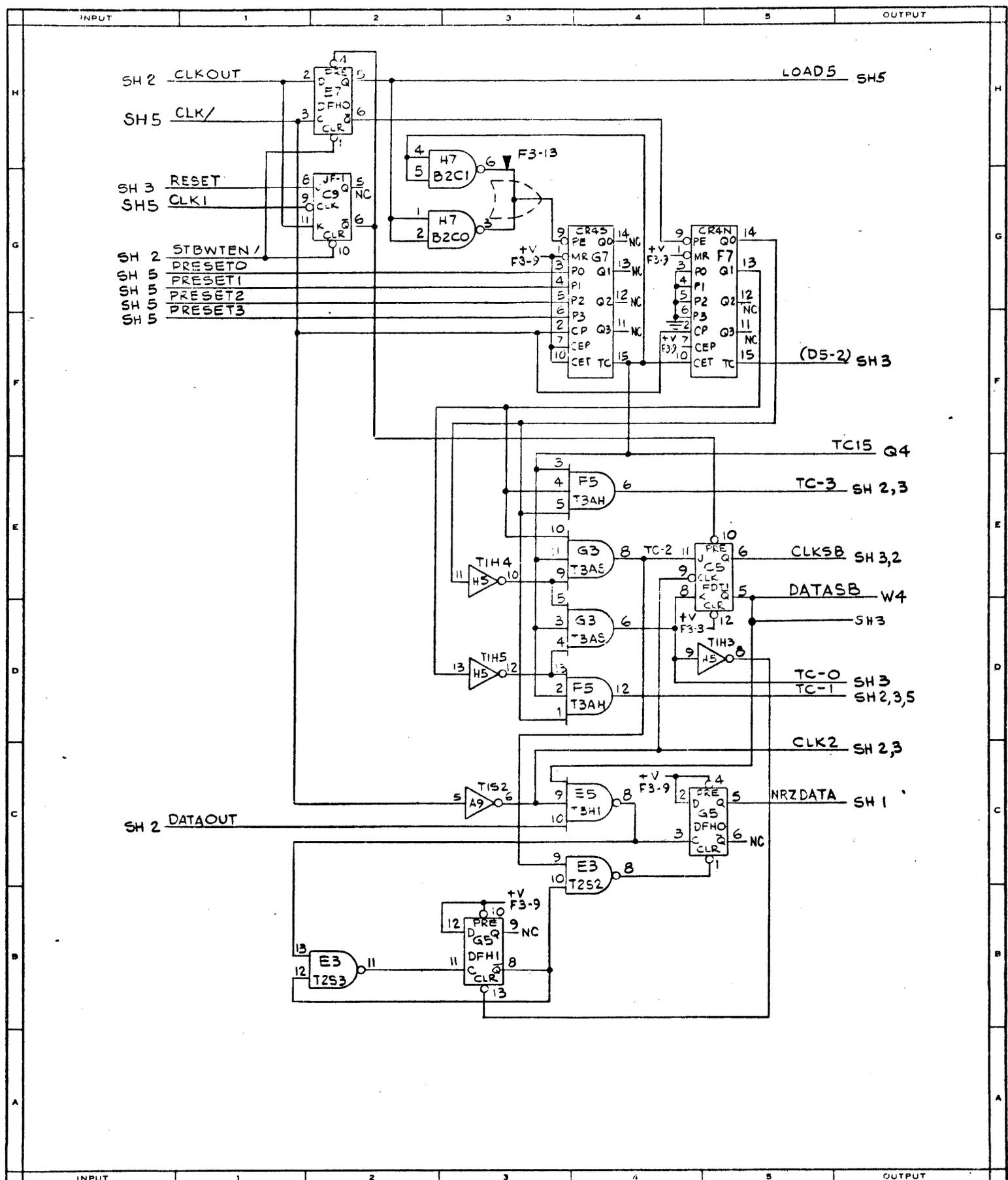
309

SHEET: 1 OF 5

PLT NO: 2607 3411

REV: 038 C

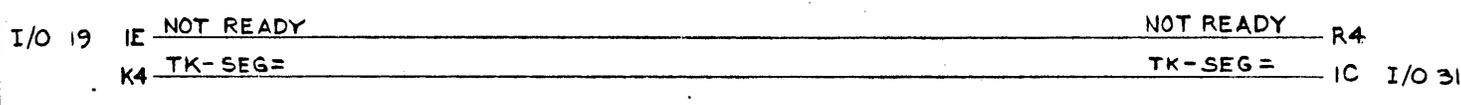
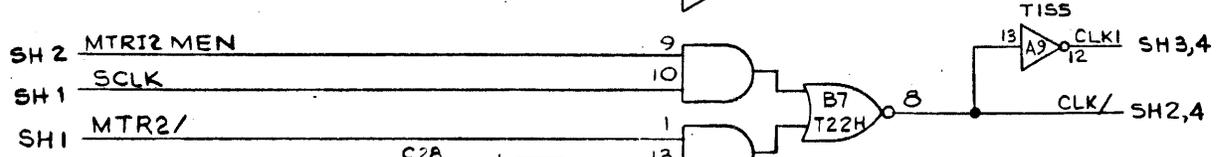
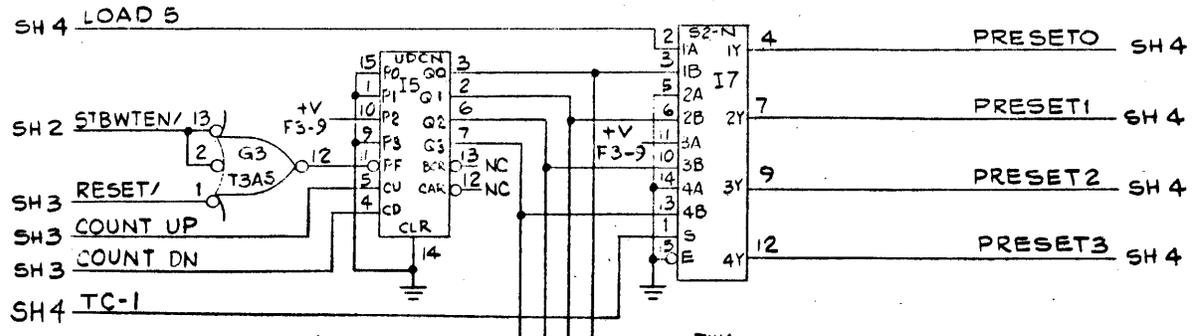
DIN 76 REV 12-74



3/2 Burroughs Corporation 
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REVISIONS
 3/2

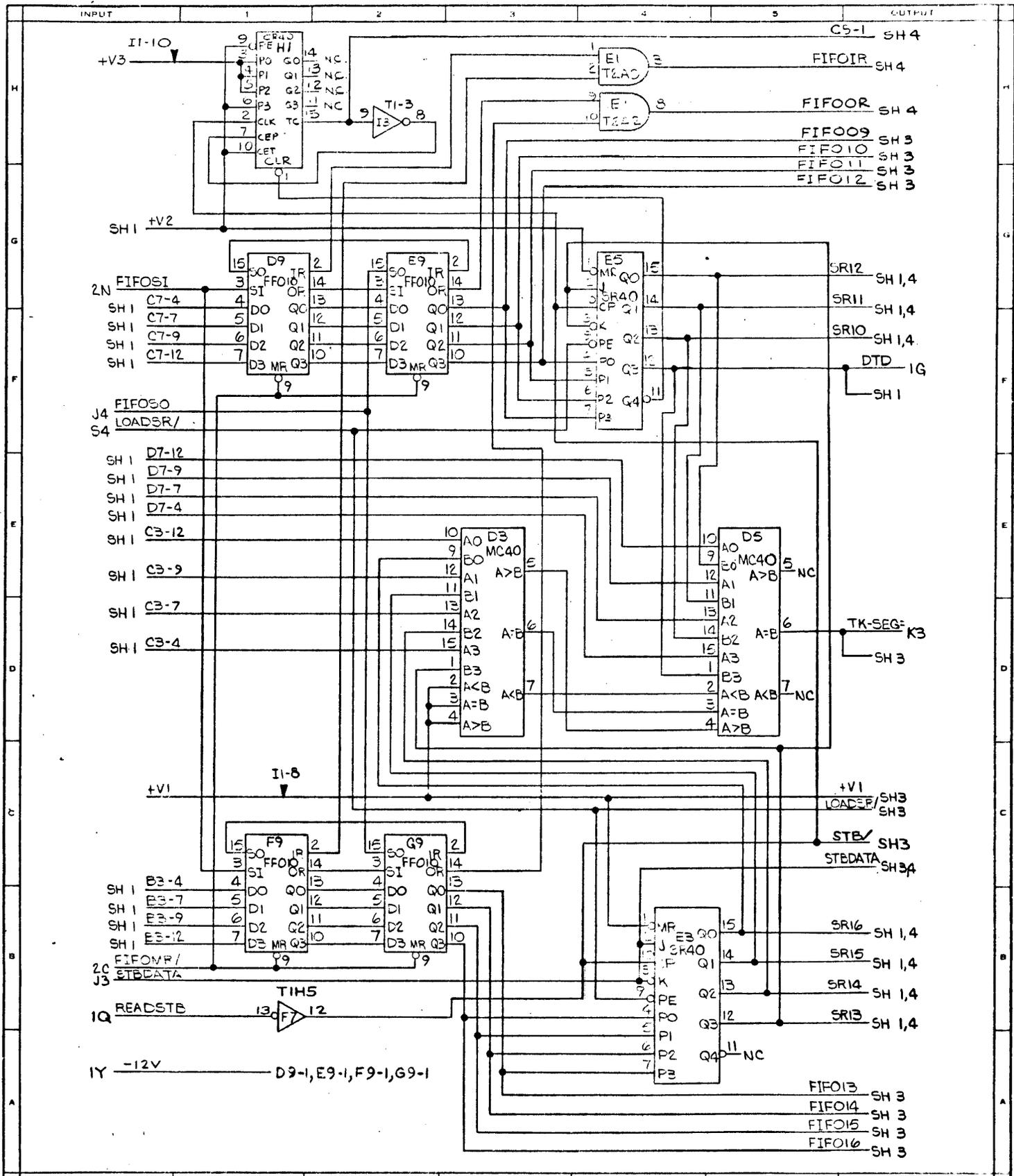
TITLE		CLASS CODE	
ICMDC1		2-9520	
SHEET	DWG. NO.	PLT. NO.	REV.
4	2607 3411	038	A

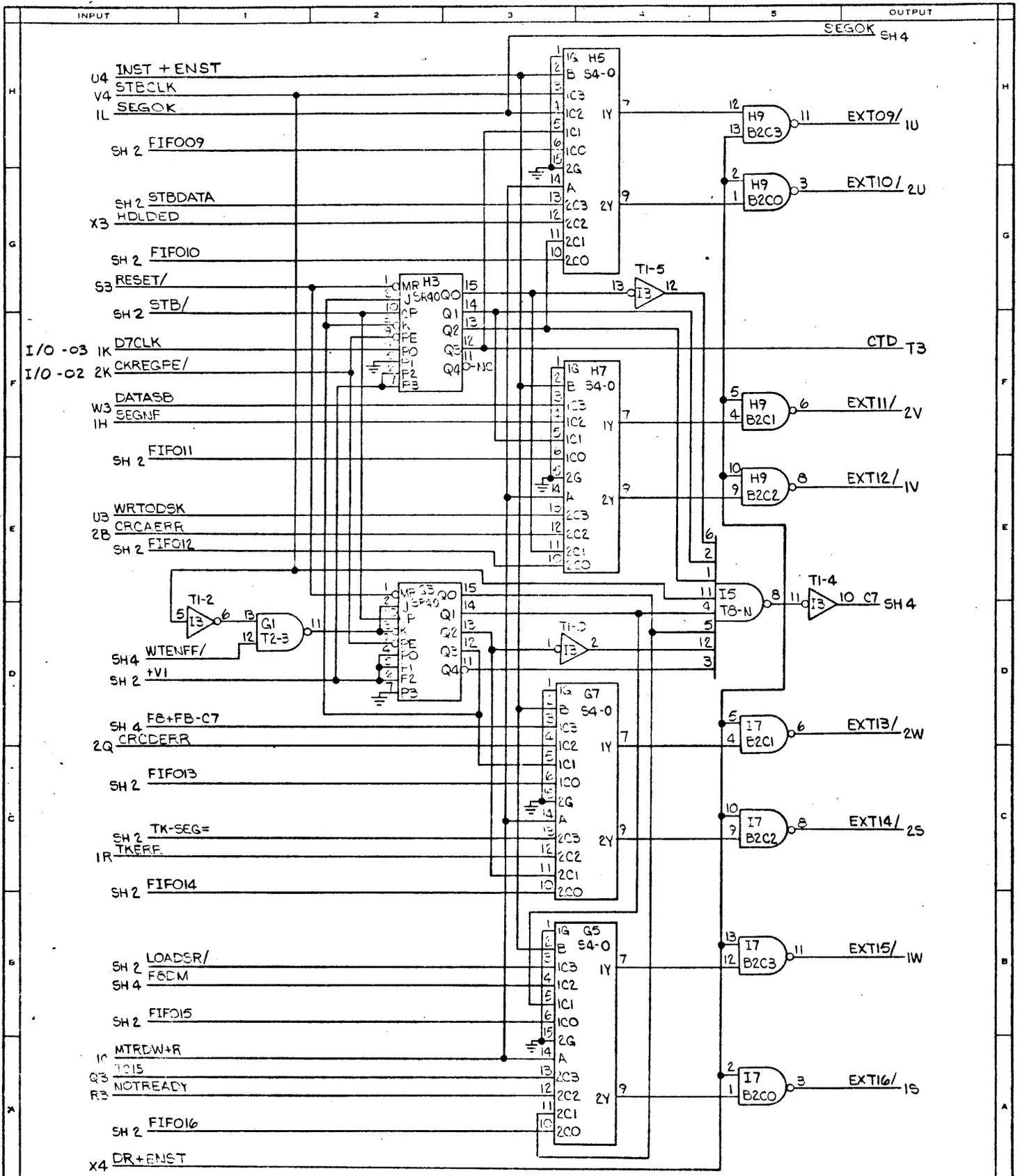


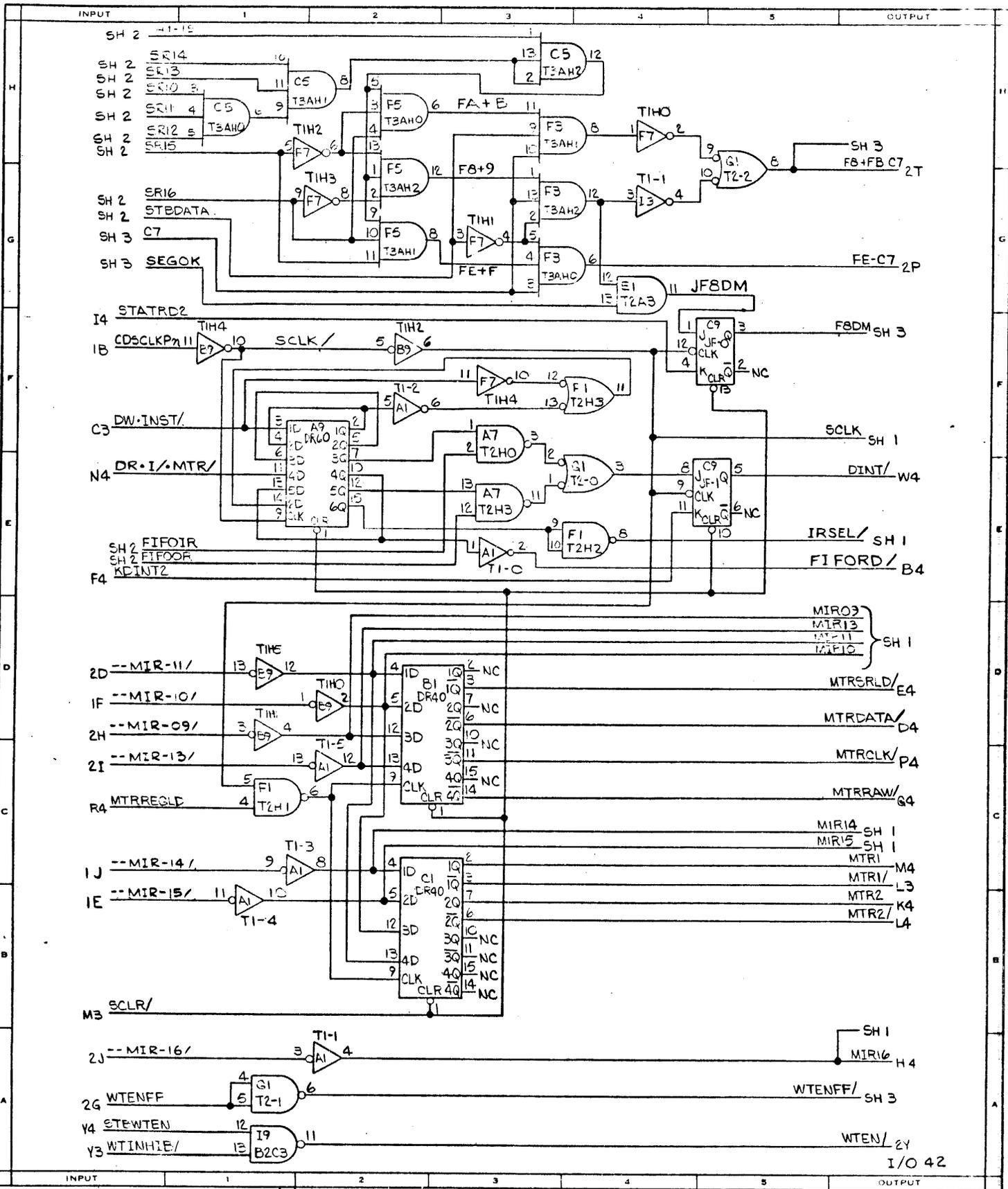
REVISIONS

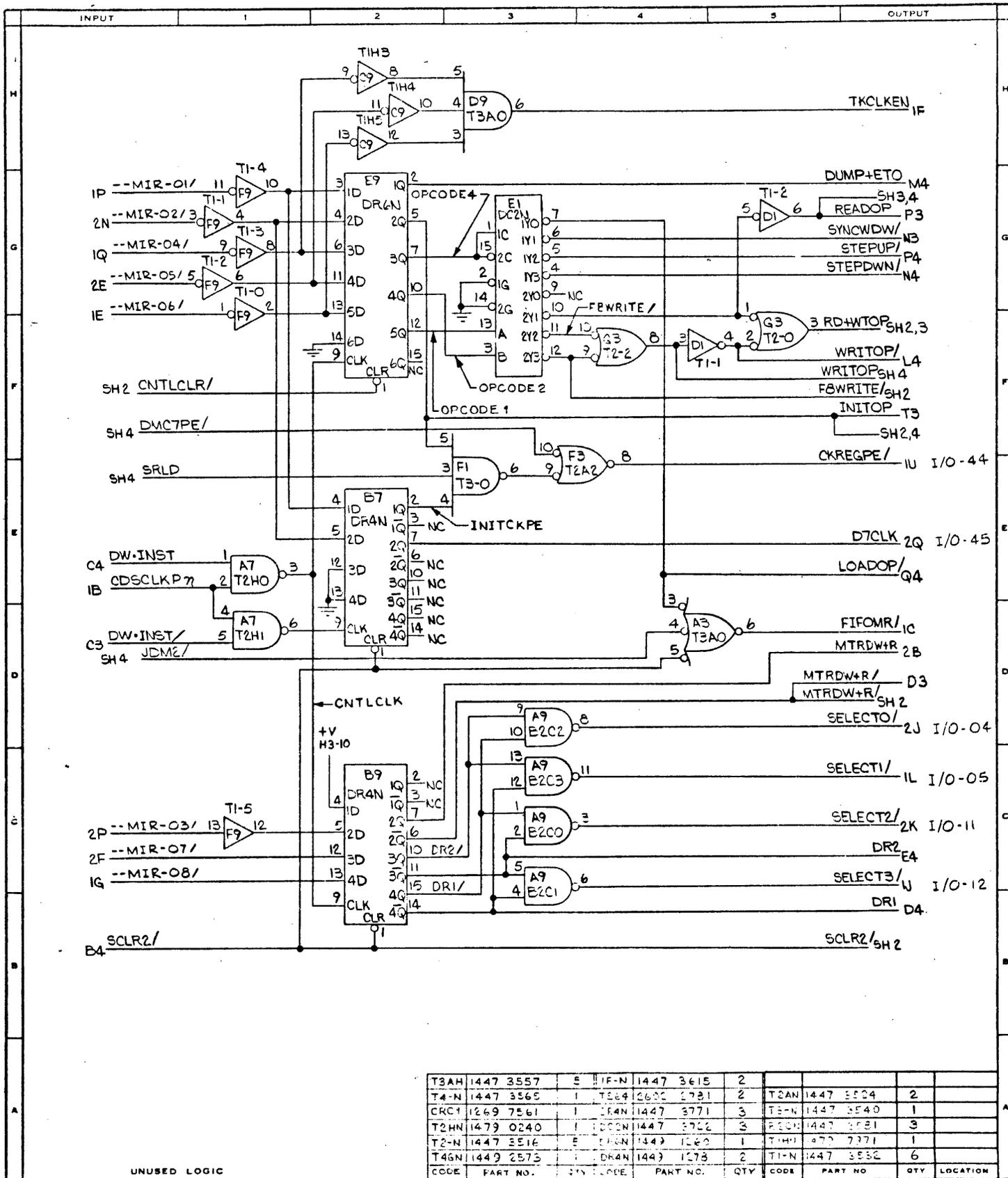
TITLE		CLASS CODE	
ICMDCI		2-9520	
SHEET	DWG NO	PLT NO	REV
5	2607 3411	038	B

313









UNUSED LOGIC

318 Burroughs Corporation

COMPUTER SYSTEMS GROUP DOWNINGTOWN PLANT
DOWNINGTOWN PA 19333 U.S. AMERICA

REV	A	A	A	A	DATE	TITLE	CLASS CODE
SH	1	2	3	4		ICMD03	2-9520
REV	A				14-03-74		
REV	A						
REV	A						
REV	A						

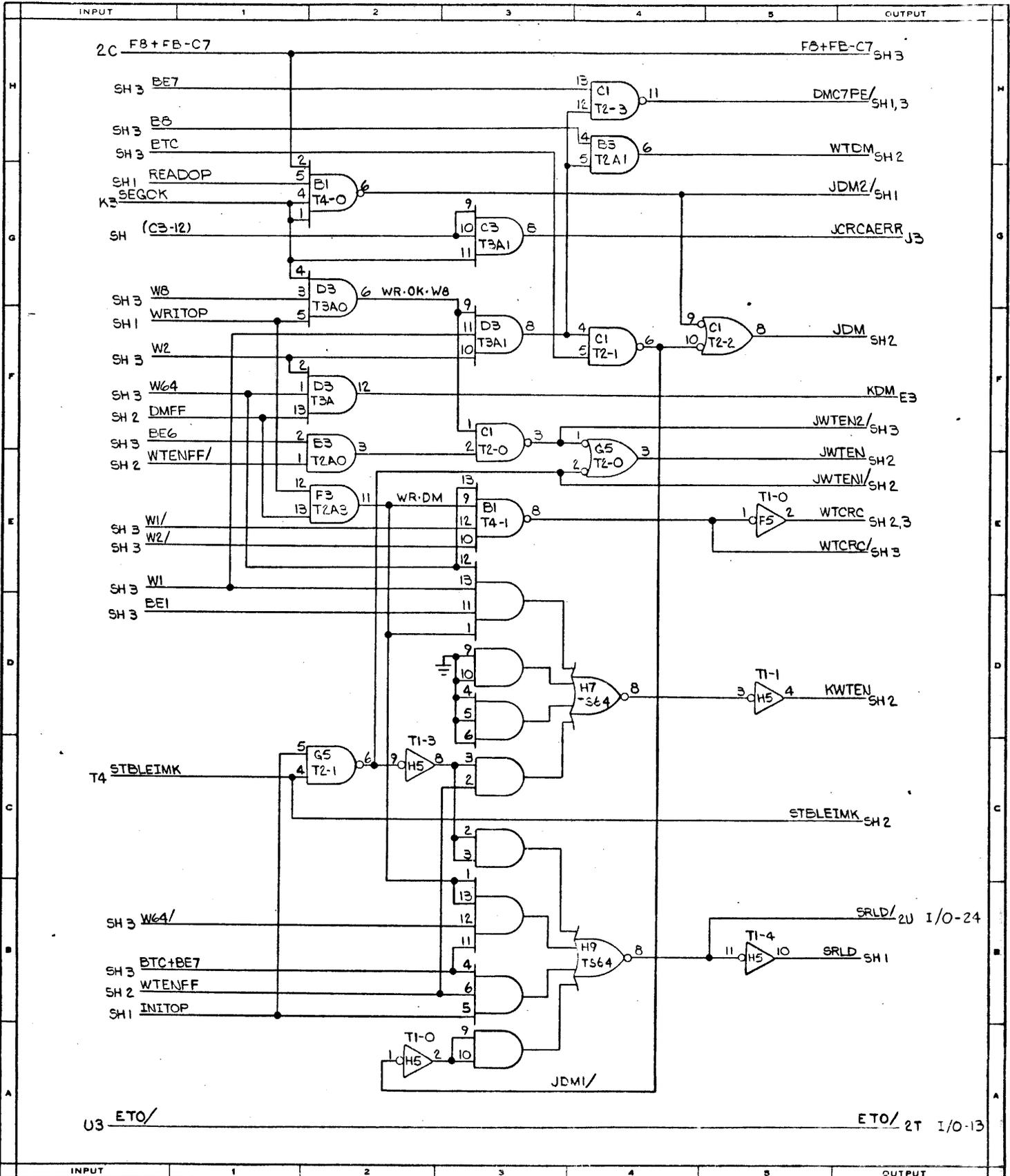
318

SHEET DWG NO. 1 OF 4 2607 3494

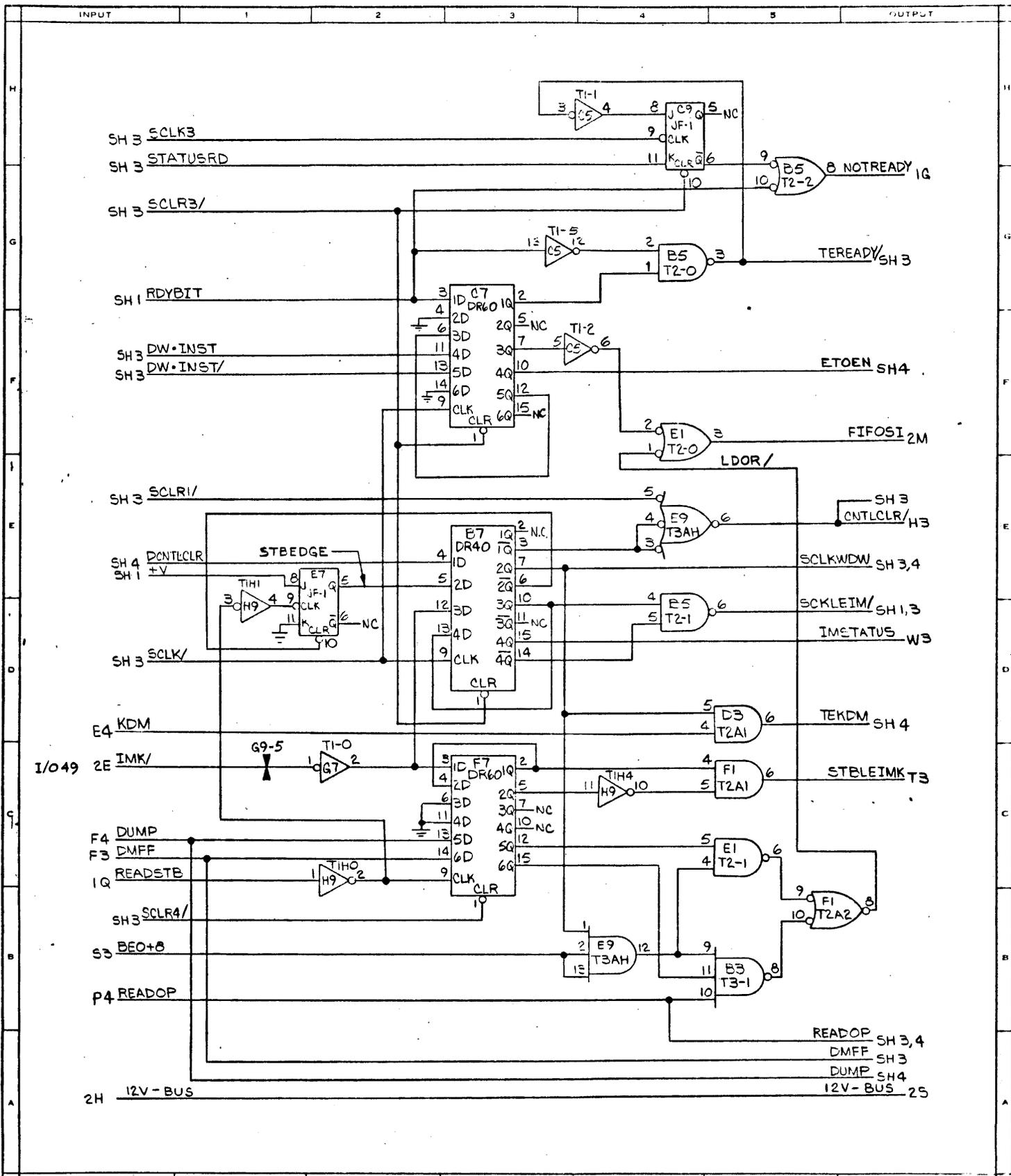
PLT NO. REV 038 A

DRAWING 44 131 35507

DIN 74 014 12-74



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CLASS CODE 2-9520		SHEET 4		DWG NO. 2607 3494	
PLT NO. 038		REV A		321	



Burroughs Corporation

COMPUTER SYSTEMS GROUP
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DOWNTOWN, PA. 19333

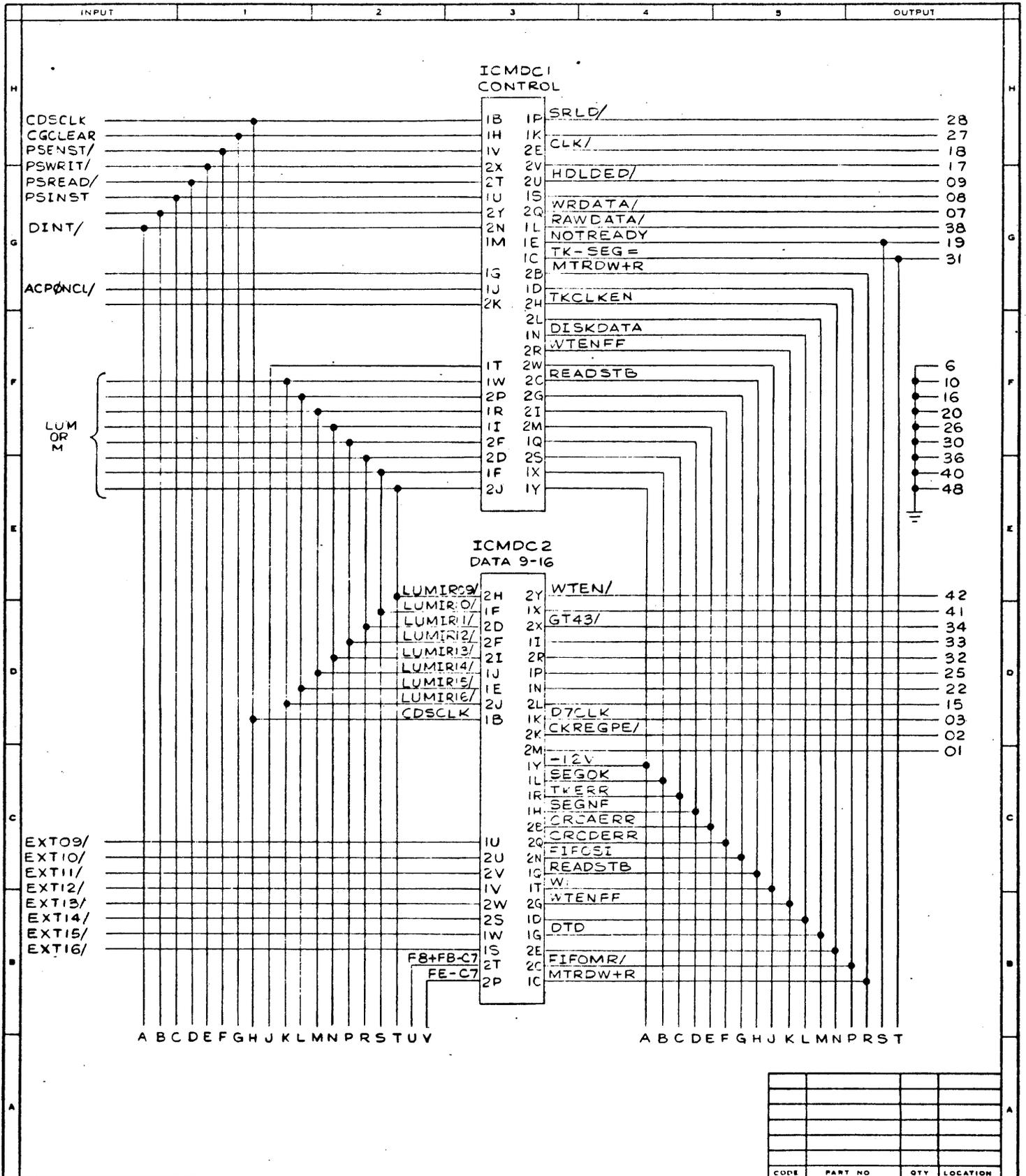
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TITLE	ICMD4	CLASS CODE	2-9520
SHEET	2	DATE	2607 3536
DESIGN	2607 3536	REV	038
APP'D		BY	A

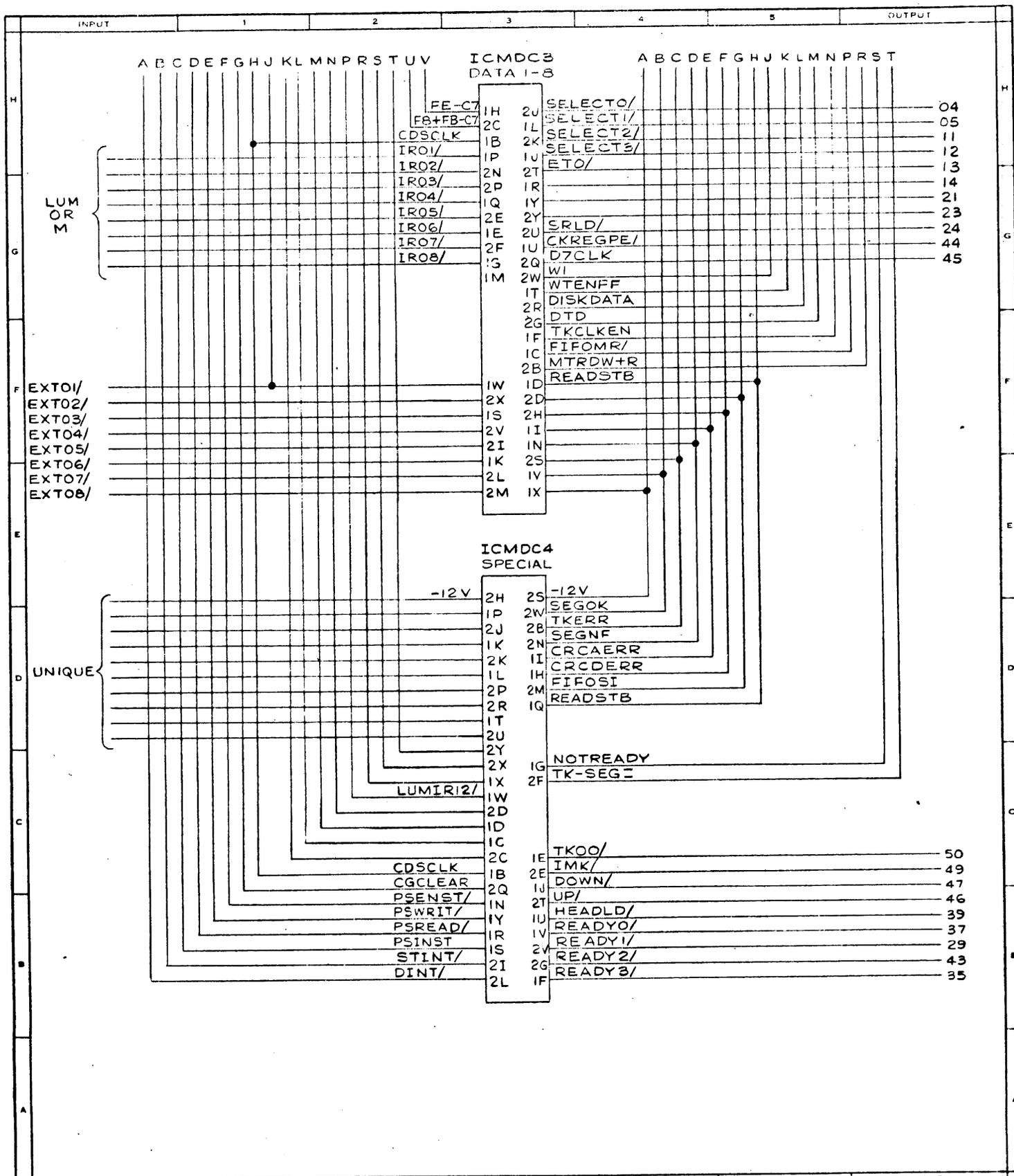
323



INPUT	1	2	3	4	5	OUTPUT
REV	SH	1	2			
REVISIONS	REL	120	REV			
	A	120	REV			
326 Burroughs Corporation		COMPUTER SYSTEMS GROUP		DOWNTOWN PLANT		
DOWNTOWN PA 19333		U.S. AMERICA				
326		RT GORMAN		TITLE		CLASS CODE
		2-70		ICMDC DDP		2-9520
		2-70		WIRING DIAGRAM		PLT NO
		2-70		1 of 2		REV
		2609 3971		038		A

REVISION 44 131 25507

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NUMBER

2846 2935

REV

A

TITLE

FIELD INSTALLATION INSTRUCTIONS FOR
EXTERNAL ICMD CONTROL OPTION (B386-2)

PREPARED BY

W. Spingler

APPROVED BY

H. Caswell

ORIGINAL RELEASE DATE

1-10-77

PAGE

1 OF 2

REVISIONS

LEVEL	DESCRIPTION	DATE	APPROVED
A	Initial Release. ER 120 Rev 46		

2846 2935

328

328



1. SCOPE

1.1 Scope.-- This document defines the instructions for field installation of the B386-2 external Industry Compatible Mini Disk (ICMD) control option, M&E No. 2846 3271.

1.2 Option items.-- The B386-2 control option consists of the following items:

<u>Quantity</u>	<u>Description</u>
1	Circuit Card Assembly ICMD1
1	Circuit Card Assembly ICMD2
1	Circuit Card Assembly ICMD3
1	Circuit Card Assembly ICMD4
2	Connector Assembly
1	Cable Assembly
2	Pan Head Screw
2	Washer
1	Decal

2. INSTALLATION INSTRUCTIONS

- (a) Insert the four circuit card assemblies into the appropriate DDP backplane locations in accordance with system requirements. Refer to the backplane map contained in the system FT&R documentation package for specific DDP card locations.
- (b) Attach the two connector assemblies to the frontplane connector end of the following card pairs:

ICMD1 and ICMD2
ICMD3 and ICMD4
- (c) On the insertion side of the backplane, attach the 50-pin connector end of the cable assembly which has the strain relief bracket to the appropriate I/O connector.
- (d) Secure the 50-pin connector on the other end of the cable assembly to the adapter panel using the pan head screws and washers provided.
- (e) Affix the decal to the configuration plate in the space for the DDP location which has this control installed.
- (f) Option installation is now complete.

PART NUMBER	PART NAME	REV	MPL	REV	M	PROD	LATEST	NODWG	PARTS	LIST	SS-DP	MASTER PARTS LIST	MO	DA	YR	PAGE
			DB	B			ER/ECN	A7D	U/M	COM.CODE						
2604	9099	FTR	CNTRLR	V		BKH	5307	A	RF	D	GEN 555		12/20/76			1

ITM NO	CONSIST ID	A/D	PART NAME	REV	MPL	M	B	PROD	FFFC	ENG	MFG	U/M	ECN	CONSISTENCY	NARRATIVE	LN	FLAGS
					DB		U	IN	OUT	USAGE	USAGE		NUMBER			NO	P D M
1447	8051	D	SCH DC3			N		1		0.00	0.00	RF			DSK DR B489		0
1447	8291	D	SCH DC2			R		1		0.00	0.00	RF			DSK DR B489		0
1447	8358	D	SCH RC2			N		1		0.00	0.00	RF			96 COL B311		0
1447	8408	D	SCH CR1			G		1		0.00	0.00	RF			80 COL B111		0
1447	8416	D	SCH CR2			G		1		0.00	0.00	RF			80 COL B111		0
1447	8424	D	SCH CR3			K		1		0.00	0.00	RF			80 COL B111		0
1447	8473	D	SCH PT1			R		1		0.00	0.00	RF			TIREMAN LINE PRTR B244		0
1447	9281	D	SCH PT2			D		1		0.00	0.00	RF			TIREMAN LINE PRTR B244		0
1447	9299	D	SCH PT3			D		1		0.00	0.00	RF			TIREMAN LINE PRTR B244		0
1447	9307	D	SCH PT4			D		1		0.00	0.00	RF			TIREMAN LINE PRTR B244		0
1448	0699	D	SCH PP2			E		1		0.00	0.00	RF			POT PRTR B245		0
1448	0107	D	SCH PP3			D		1		0.00	0.00	RF			POT PRTR B245		0
1448	0115	D	SCH PP4			E		1		0.00	0.00	RF			POT PRTR B245		0
1448	0354	A	CBL ASY, WL			J	J	M		1		0.00	0.00	RF	80 COL B111		0
															NO WL CHG AT REV J.		1
1448	0370	A	CBL ASY, WL			E	B	M		1		0.00	0.00	RF	TIREMAN LINE PRTR B244		0
															NO WL CHG AT REV A&B.		1
1448	0412	A	CBL ASY, WL			L	F	M		1		0.00	0.00	RF	POT PRTR B245		0
															NO WL CHG AT REV F.		1
1448	0438	A	CBL ASY, WL			D	C	M		1		0.00	0.00	RF	MAG TP B391		0
1448	1691	D	SCH PD1			G		1		0.00	0.00	RF			ODEC B243		0
1448	1709	D	SCH PD2			G		1		0.00	0.00	RF			ODEC B243		0
1448	1717	D	SCH PD3			A		1		0.00	0.00	RF			ODEC B243		0
1448	1733	D	CL PP					1	33	0.00	0.00	RF	4448		POT PRT B245		0
1448	1816	D	SCH TM1			B		1		0.00	0.00	RF			MAG TP B391		0
1448	1824	D	SCH TM2			B		1		0.00	0.00	RF			MAG TP B391		0
1448	1832	D	SCH TM3			C		1		0.00	0.00	RF			MAG TP B391		0
1448	2392	D	CL CR					1	33	0.00	0.00	RF	4448		80 COL B111		0
1448	2418	D	CL DC					1	33	0.00	0.00	RF	4448		DSK DR B489		0
1448	2434	D	CL RC					1	33	0.00	0.00	RF	4448		96 COL B311		0

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PART NUMBER	PART NAME	REV MPL	REV DG	M B	PROD	LATEST ER/ECN	NO DWG A/D	PARTS LIST U/M	CON. CODE	SS-OP MASTER PARTS LIST	MO DA YR	PAGE
2604	9999	FTR	CNTRLR	V	BKH	5367	A	RF	0	GEN 555	12/20/76	2

ITH NO	CONSIST ID	A/D	PART NAME	REV MPL	REV DG	M B	PROD U	EFFC. IN	OUT	ENG USAGE	MFG U/M	USAG	ECN NUMBER	CONSISTENCY	NARRATIVE	LN NO	FLAGS P D M
1448	2459	D	CL PD					1	33	0.00	0.00	RF	4448	ODEC B243		0	
1448	2582	D	SCH TMA			B		1		0.00	0.00	RF		MAG TP B391		0	
1448	7045	D	SCH DC4			C		1		0.00	0.00	RF		DSK DR B489		0	
1448	7052	D	SCH DC1			H		1		0.00	0.00	RF		DSK DR B489		0	
1448	8217	D	SCH CRA			E		1		0.00	0.00	RF		80 COL B111		0	
1448	8268	D	SCH RC1			E		1		0.00	0.00	RF		96 COL B311		0	
1448	8278	D	SCH RC3			E		1		0.00	0.00	RF		96 COL B311		0	
1448	8308	D	SCH RC4			D		1		0.00	0.00	RF		96 COL B311		0	
1448	9090	D	SCH TC3			G		1		0.00	0.00	RF		TP CASS B392		0	
1448	9124	D	SCH TC1			H		1		0.00	0.00	RF		TP CASS B392		0	
1448	9157	D	SCH TC2			G		1		0.00	0.00	RF		TP CASS B392		0	
1448	9199	A	CBL ASY>WL	J	G	M		1		0.00	0.00	RF		PT RDR B121-1		0	
1449	0288	A	CBL ASY>WL	K	J	M		1		0.00	0.00	RF		NO WL CHG AT REV F&G.		1	
1449	0304	A	CBL ASY>WL	F	D	M		1		0.00	0.00	RF		TP CASS B392		0	
1449	0338	D	SCH TC4			G		1		0.00	0.00	RF		NO WL CHG AT REV H&J.		1	
1449	0361	D	SCH TPP1			B		1		0.00	0.00	RF		PT PUNCH R221		0	
1449	0395	D	SCH TPP2			A		1		0.00	0.00	RF		PT PUNCH R221		0	
1449	0429	D	SCH TPP3			A		1		0.00	0.00	RF		PT PUNCH B221		0	
1449	0452	D	SCH TPP4			A		1		0.00	0.00	RF		PT PUNCH B221		0	
1449	0486	D	SCH TPR1			G		1		0.00	0.00	RF		PT PUNCH B221		0	
1449	0510	D	SCH TPR2			A		1		0.00	0.00	RF		PT RDR B121-1		0	
1449	0700	D	CL TC					1	33	0.00	0.00	RF	4448	PT RDR B121-1		0	
1449	0734	D	CL TPP					1	33	0.00	0.00	RF	4448	TP CASS B392		0	
1449	0767	D	CL TPR					1	33	0.00	0.00	RF	4448	PT PUNCH B221		0	
1449	1252	A	CBL ASY>WL	J	G	M		1		0.00	0.00	RF		PT RDR B121-1		0	
1449	1478	D	WIR DIAG					1	33	0.00	0.00	RF	4573	96 COL B311		0	
														NO WL CHG AT REV G.		1	

ITM NO	CONSIST ID	A/D	PART NAME	REVREV MPL	M DB	PRDD B U	EFFC. IN	OUT	ENG USAGE	MEG U/M USAGE	ECN NUMBER	CONSISTENCY	NARRATIVE	LN NO	FLAGS P D M
1449	247A	D	SCH SPD1		D		33		0.00	0.00 RF	3977	SPU	B44/B40	0	
1449	250B	D	SCH SPD2		C		33		0.00	0.00 RF	3977	SPD	B44/B40	0	
1449	253D	D	SCH SPD4		B		33		0.00	0.00 RF	3977	SPD	B44/B40	0	
1449	318B	D	SCH LC8		C		1		0.00	0.00 RF		SLC	B351	0	
1449	324I	D	SCH LC6		B		1		0.00	0.00 RF		SLC	B351	0	
1449	367D	D	CONV INST		-		1		0.00	0.00 RF		ODEC	B243	0	
1449	436B	D	SCH LC1		B		1		0.00	0.00 RF		SLC	B351	0	
1449	4397	D	SCH LC2		B		1		0.00	0.00 RF		SLC	B351	0	
1449	442I	D	SCH LC3		E		1		0.00	0.00 RF		SLC	B351	0	
1449	445A	D	SCH LC4		D		1		0.00	0.00 RF		SLC	B351	0	
1449	448B	D	SCH LC5		G		1		0.00	0.00 RF		SLC	B351	0	
1449	451D	D	SCH LC7		A		1		0.00	0.00 RF		SLC	B351	0	
1449	489D	A	WL,CBLE AY		E B	M	32		0.00	0.00 RF	3977	80 COL	B115	0	
1449	515A	D	SCH CRT1		B		32		0.00	0.00 RF	3977	80 COL	B115	0	
1449	518B	D	SCH CRT2		C		32		0.00	0.00 RF	3977	80 COL	B115	0	
1449	521D	D	LD CRT3		H		32		0.00	0.00 RF	3977	80 COL	B115	0	
1449	524B	D	SCH CRT4		E		32		0.00	0.00 RF	3977	80 COL	B115	0	
1449	536D	A	CBL ASY,WL		E C	M	1		0.00	0.00 RF		SLC	B351	0	
													NO WL CHG AT REV C.	1	
1449	544A	D	CL TM				1	33	0.00	0.00 RF	4448	MAG TP	B391	0	
1449	545I	D	CL PT				1	33	0.00	0.00 RF	4448	TIREMAN LINE	PRTR B244	0	
1449	567B	D	CL SPD				33	33	0.00	0.00 RF	4448	SPD	B44	0	
2600	590D	D	SCH CON1				1	35	0.00	0.00 RF	4867	CON1	B276&B306*1	0	
2601	173A	A	CBL ASY,WL		E B	M	1		0.00	0.00 RF		ODEC	B243	0	
2601	387D	D	FII CUN 1				34	35	0.00	0.00 RF	4867	B721 B771	[711*1&*2	0	
2601	491D	D	SCH SR1		C		1		0.00	0.00 RF		SORRDR	B131	0	
2601	494A	D	SCH SR2		C		1		0.00	0.00 RF		SORRDR	B131	0	
2601	4977	D	SCH SR3		D		1		0.00	0.00 RF		SORRDR	B131	0	
2601	500B	D	SCH SR4		D		1		0.00	0.00 RF		SORRDR	B131	0	
2601	6592	A	CBL ASY,WL		F B	M	1		0.00	0.00 RF		SORRDR	B131	0	

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PART NUMBER	PART NAME	REV MPL	REV DB	M B	PROD	LATEST ER/ECN	NDDWG A7D	PARTS U/M	LIST COM.CODE	SS-DP MASTER PARTS LIST	MO DA YR	PAGE
2604	9999	FTR	CNTRLR	V		BKH 5307	A	RF	0	GEN 555	12/20/76	4

ITM NO	CONSIST ID	A/D	PART NAME	REV MPL	REV DB	M B U	PROD. IN	EFFC. OUT	ENG USAGE	MFG USAGE	U/M	ECN NUMBER	CONSISTENCY	NARRATIVE	LN NO	FLAGS P D M
2603	0056	D	FII RDRSDR			B		34	0.00	0.00	RF	4268	B721		0	
2603	9651	D	LD MX1			A		34	0.00	0.00	RF	4374	DISK MULTIPLXR B489-4		0	
2603	9685	D	LD MX2			B		34	0.00	0.00	RF	4374	DISK MULTIPLXR B489-4		0	
2603	9727	D	LD DX			B		34	0.00	0.00	RF	4374	DISK MULTIPLXR B489-4		0	
2604	1863	D	LD SP1			A		34	0.00	0.00	RF	4374	SPQ CONTROL B346-2		0	
2604	1897	D	LD SP2			B		34	0.00	0.00	RF	4374	SPQ CONTROL B346-2		0	
2604	1921	D	LD SP3			B		34	0.00	0.00	RF	4374	SPQ CONTROL B346-2		0	
2604	1954	D	LD SP4			A		34	0.00	0.00	RF	4374	SPQ CONTROL B346-2		0	
2604	3471	D	WL,SPQ ADP			A		34	0.00	0.00	RF	4374	SPQ CONTROL B346-2		0	
2604	3703	D	SCH RTC			A		34	0.00	0.00	RF	4325	REAL TIME CLOCK B366-3		0	
2604	3745	D	SCH RTC1			A		34	0.00	0.00	RF	4325	REAL TIME CLOCK B366-3		0	
2604	3778	D	SCH RTC2			A		34	0.00	0.00	RF	4325	REAL TIME CLOCK B366-3		0	
2604	3802	D	SCH RTC3			A		34	0.00	0.00	RF	4325	REAL TIME CLOCK B366-3		0	
2604	8694	D	FII RTC			C		34	0.00	0.00	RF	4325	REAL TIME CLOCK B366-3		0	
2605	0179	D	WL,CBLE AY			B		33	0.00	0.00	RF	3977	SPQ B44		0	
2605	1102	D	LD DEK1			D		34	0.00	0.00	RF	4495	DATA ENTRY KEYSTATION		0	
2605	1136	D	LD DEK2			D		34	0.00	0.00	RF	4495	DATA ENTRY KEYSTATION		0	
2605	1169	D	LD DEK3			B		34	0.00	0.00	RF	4495	DATA ENTRY KEYSTATION		0	
2605	1193	D	LD DEK4			A		34	0.00	0.00	RF	4495	DATA ENTRY KEYSTATION		0	
2605	8966	D	SCH CS1			C		34	0.00	0.00	RF	4228	CONSOLE CONTROL B346-3		0	
2605	8990	D	SCH CS2			B		34	0.00	0.00	RF	4228	CONSOLE CONTROL B346-3		0	
2605	9022	D	SCH CS3			D		34	0.00	0.00	RF	4228	CONSOLE CONTROL B346-3		0	
2605	9055	D	SCH CS4			E		34	0.00	0.00	RF	4228	CONSOLE CONTROL B346-3		0	
2605	9790	D	WL,PROC TD			B		34	0.00	0.00	RF	4228	CONSOLE CONTROL B346-3		0	
2605	9840	D	FII SP					34	0.00	0.00	RF	4867	SPQ CONTROL B346-2		0	
2605	9840	D	FII SP					38	0.00	0.00	RF	5307	SPQ CONTROL B346-2		0	
2606	2299	D	WL,PROC TD			B		34	0.00	0.00	RF	4274	CONSOLE CONTROL B346-3		0	
2606	2992	D	SCH,MTR			A		34	0.00	0.00	RF	4476	SLC B351		0	
2606	3610	D	WL,CBL ADP			C		34	0.00	0.00	RF	4495	DATA ENTRY KEYSTATION		0	
2606	3891	D	FII CR			B		34	0.00	0.00	RF	4374	80 COL CD RDR B111		0	

PART NUMBER	PART NAME	REV	MPL	M	PROD	LATEST ER/ECN	NODWG A/D	PARTS U/M	LIST COM.CODE	SS-OP MASTER PARTS LIST	MO DA YR	PAGE
2604 9999	FTR CNTRLR	V			BKH	5307	A	RF	D	GEN 555	12/20/76	5

ITEM NO	CONSIST ID	A/D	PART NAME	REV	MPL	M	B	PROD	FFFC. IN	ENG USAGE	MFG U/M	ECN	CONSISTENCY NUMBER	NARRATIVE	LN NO	FLAGS
2606	3909	D	FII CRT		B				34	0.00	0.00 RF	4374	80	COL CD RDR B115	0	
2606	3917	D	FII TPR		B				34	0.00	0.00 RF	4374		P TP RDR B121-1	0	
2606	3925	D	FII TYP		B				34	0.00	0.00 RF	4374		P TP PUN B221	0	
2606	3933	D	FII PD		B				34	0.00	0.00 RF	4374		ODEC LN PRTR B243	0	
2606	3941	D	FII PT		D				34	0.00	0.00 RF	4374		TIRE LN PRTR B244	0	
2606	3958	D	FII PP		B				34	0.00	0.00 RF	4374		POTR LN PRTR B245	0	
2606	3968	D	FII RC		B				34	0.00	0.00 RF	4374		80/96 COL CD RDR B311	0	
2606	3974	D	FII TM		B				34	0.00	0.00 RF	4374		MAG TP B391	0	
2606	3989	D	FII TC		D				34	0.00	0.00 RF	4374		TP CASS B392	0	
2606	3990	D	FII DC		B				34	0.00	0.00 RF	4374		DISK DRIVE B489	0	
2606	4008	D	FII MX		A				34	0.00	0.00 RF	4374		DISK MULTIPLXR B489-4	0	
2606	4584	D	FII DEK		A				34	0.00	0.00 RF	4495		DATA ENTRY KEYSTATION	0	
2606	4818	D	FII SPD		B				34	0.00	0.00 RF	4374		SPU B44	0	
2606	5102	D	LD,SR3		B				36	0.00	0.00 RF	4392A		RDRSDR W ENDORSER OPT	0	
2606	5136	D	LD,SR4		A				36	0.00	0.00 RF	4392A		RDRSDR W ENDORSER OPT	0	
2606	5185	D	WL,SR		A				36	0.00	0.00 RF	4392A		RDRSDR W ENDORSER OPT	0	
2606	9575	D	WD, CR		A				34	0.00	0.00 RF	4448		80 COL B111	0	
2606	9583	D	WD, CRT		A				34	0.00	0.00 RF	4448		80 COL B115	0	
2606	9591	D	WD, CS		A				34	0.00	0.00 RF	4448		CONSOLE CONTROL B346-3	0	
2606	9609	D	WD, DC		A				34	0.00	0.00 RF	4448		DISK DR B489	0	
2606	9617	D	WD, LC		A				34	0.00	0.00 RF	4448		SLC B351	0	
2606	9625	D	WD, PD		A				34	0.00	0.00 RF	4448		ODEC B243	0	
2606	9633	D	WD, PP		A				34	0.00	0.00 RF	4448		POT PRTR B245	0	
2606	9641	D	WD, PT		A				34	0.00	0.00 RF	4448		TIREMAN LINE PRTR B244	0	
2606	9658	D	WD, RC		A				34	0.00	0.00 RF	4448		96 COL B311	0	
2606	9666	D	WD, RTC		A				34	0.00	0.00 RF	4448		REAL TIME CLOCK B366-3	0	
2606	9674	D	WD, SP		A				34	0.00	0.00 RF	4448		SPD CONTROL B346-2	0	
2606	9682	D	WD, SPD		A				34	0.00	0.00 RF	4448		SPD B44/B40	0	
2606	9690	D	WD, SR		A				34	0.00	0.00 RF	4448		SORRDR B131	0	
2606	9708	D	WD, TC		A				34	0.00	0.00 RF	4448		TP CASS B392	0	

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PART NUMBER	PART NAME	REV	MPL	M	PROD	LATEST	NOOING PARTS LIST	SS-DP	MD DA YR	PAGE
			DG	B		ER/ECN	A/D U/M COM.CODE	MASTER PARTS LIST		
2604	9999	FTR	CNTRLR	V	BKH	5307	A RF 0	GEN 555	12/20/76	6

ITM NO	CONSIST ID	A/D	PART NAME	REV	MPL	M	B	PROD	EFFC.	ENG	MFG	U/M	ECN	CONSISTENCY	NARRATIVE	LN	FLAGS
					DG	B	U	IN	OUT	USAGE	USAGE		NUMBER			NO	P D M
2606	9716	D	WD, TM	A				34		0.00	0.00	RF	4448	MAG TP	B391		0
2606	9724	D	WD, TPP	A				34		0.00	0.00	RF	4448	PT PUNCH	B221		0
2606	9732	D	WD, TPR	A				34		0.00	0.00	RF	4448	PT RDR	B121-1		0
2607	3759	D	FII, LC	D				35		0.00	0.00	RF	4783	SLC	B351		0
2607	4054	D	LD, SR2	A				36		0.00	0.00	RF	4392B	RDRSOR WITH	EDORSER OP		0
2607	5572	D	LD, TC2	B				35		0.00	0.00	RF	4805	TP	CASS		0
2608	3410	D	SCH, LC5	B				37		0.00	0.00	RF	4887				
2608	3444	D	SCH, LC7	A				37		0.00	0.00	RF	4887				
2608	5373	D	FII, SPOB40	B				36		0.00	0.00	RF	4964	SPD	B40		0
2608	5381	D	WL, CBL ASY	A				36		0.00	0.00	RF	4964	SPD	B40		0

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LAST LINE

LAST LINE

F