

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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- NOTES: 1. See Pages I-VII for index to the documents of above.
 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
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16	1449 5154	LOGIC DIAG., CRT1	B
18	1449 5188	" " CRT2	C
21	1449 5212	" " CRT3	H
24	1449 5246	" " CRT4	E
26	2606 9583	WIR. DIAG., CRT	A
28	2606 3909	FII, CRT	B
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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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CONSOLE CONTROL B346-3			
46	2606 2299	WIRE LIST	B
47	2605 9790	WIRE LIST	B
49	2605 8966	LOGIC DIAG., CS1	C
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
DISK DRIVE CONTROL B489			
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
DATA ENTRY KEYSTATION			
83	2606 3610	WIRE LIST	C
84	2605 1102	LOGIC DIAG., DEK1	D

PAGE NUMBER	DOCUMENT NUMBER	DOCUMENT NAME	REVISION LEVEL
89	2605 1136	LOGIC DIAG., DEK2	D
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	<i>AG</i>
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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146	2601 1734	WIRE LIST	A
147	1448 1691	LOGIC DIAG., PO1	F
149	1448 1709	" " PO2	F
151	1448 1717	" " PO3	A

PAGE NUMBER	DOCUMENT NUMBER	DOCUMENT NAME	REVISION LEVEL
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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
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170	1447 8473	LOGIC DIAG., PT1	B
172	1447 9281	" " PT2	D
175	1447 9299	" " PT3	<i>ED</i>
178	1447 9307	" " PT4	D
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191	2604 3778	" " RTC2	A
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196	2606 9666	WIR. DIAG., RTC	A
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	" " SPO2	C
218	1449 2532	" " SPO4	B
219	2606 9682	WIR. DIAG., SPO	A
221	2606 4816	FII, SPO (B44)	B
224	2608 5373	" " (B40)	B X
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227	2601 6592	WIRE LIST (B131)	B
229	2606 5185	" " (ENDORSER OPT)	A
231	2601 4910	LOGIC DIAG., SR1	C
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PAGE NUMBER	DOCUMENT NUMBER	DOCUMENT NAME	REVISION LEVEL
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240	2601 4977	" " SR3 (B131)	D
242	2606 5102	" " SR3 (ENDORSER OPT.)	AB
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246	2606 5136	" " SR4 (ENDORSER OPT.)	A
248	2606 9690	WIR. DIAG., SR	A
250	2603 0056	FII, SR	B
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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	KG
264	1449 0338	" " TC4	G
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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287	1449 0361	LOGIC DIAG., TPP1	B A
289	1449 0395	SHC. " TPP2	A
292	1449 0429	LOGIC SCH. TPP3	A
294	1449 0452	" " TPP4	A
296	2606 9724	WIR. DIAG., TPP	A
298	2606 3925	FII, TPP	B
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301	1448 9199	WIRE LIST	E
302	1449 0486	LOGIC DIAG., TPR1	G
303	1449 0510	" " TPP2	A
304	2606 9732	WIR. DIAG., TPR	A
305	2606 3917	FII, TPR	B
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308	2846 5490	WL, ICMD	A
309	2607 3411	LD ICMD 1	C
314	2607 3452	" 2	B
318	2607 3494	" 3	A
322	2607 3536	" 4	A
326	2609 3971	WIR DIAG, ICMD	A
328	2846 2935	FII, ICMD	A

DWG NO. 9L
1448 0354

SHEET 2 OF


RELEASED

REVISED &
RE-DRAWN
PER ECU 1082
2-25-72
ECA 1136
9/27
ECN 1193
2-25-72
H
ECN 5506
1-18-74

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		
1	26	RED	P	49	WIRE WRAP	J	46	WIRE WRAP	24V+ BUS	26											
2	↑	↑	↑	6	↑	↑	50	↑	GND	27											
3				39			44		RCL/	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		R00	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
CHECKED VECCHIOLLI	DATE 2-3-72
DSGN OR ENGR R.H	DATE 2-25-72
APPROVED R. HOOVER	DATE 2-25-72

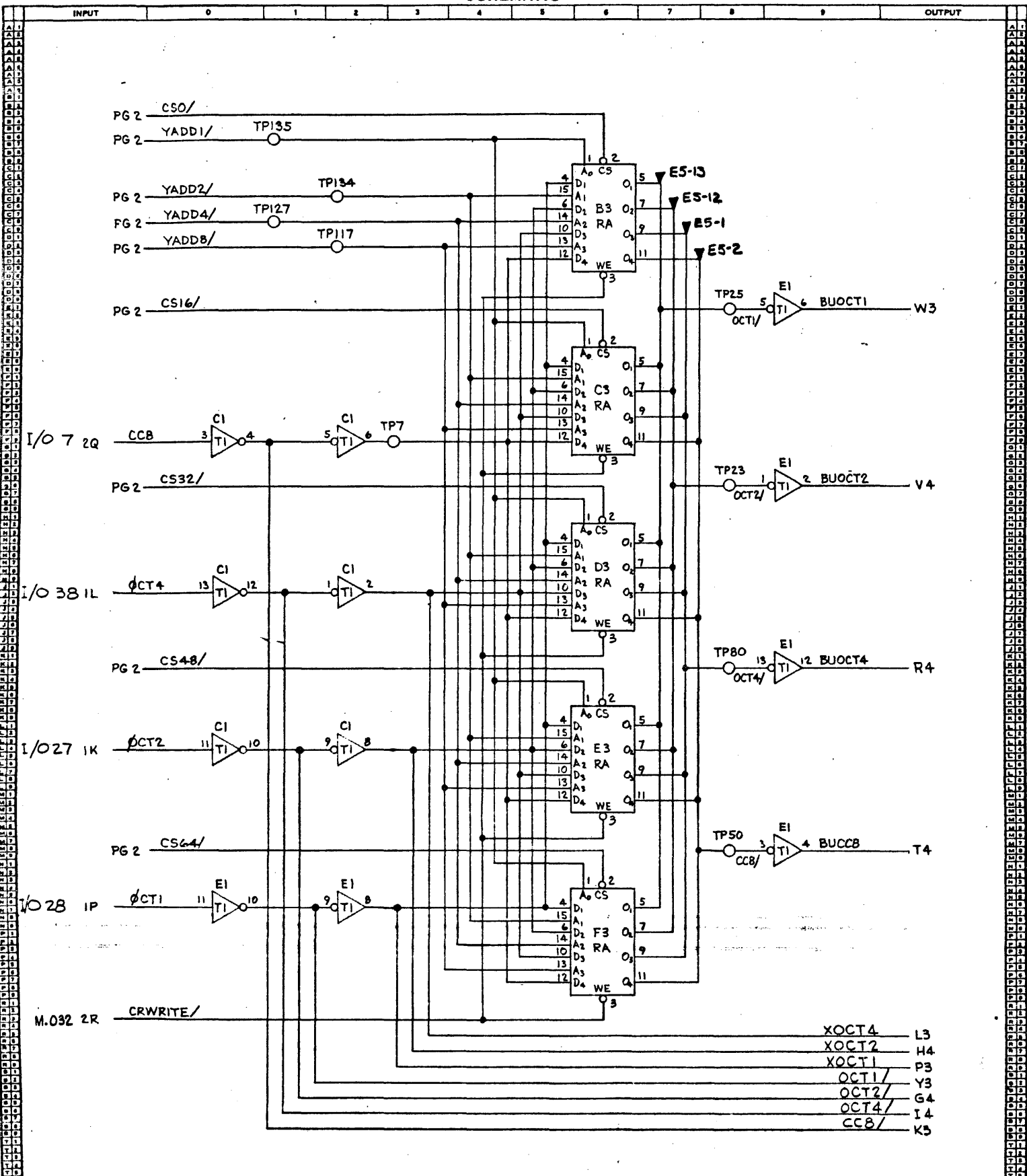
Burroughs Corporation 
SMALL SYSTEMS PLANT
DOWNTOWN, PA. 19335, U. S. AMERICA

TITLE
WIRE LIST
ADAPTER CABLE ASSY
INTERFACE A 9114 TO B711

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NAME
SHEET 2 OF
DWG NO 1448 0354

SCHMATIC



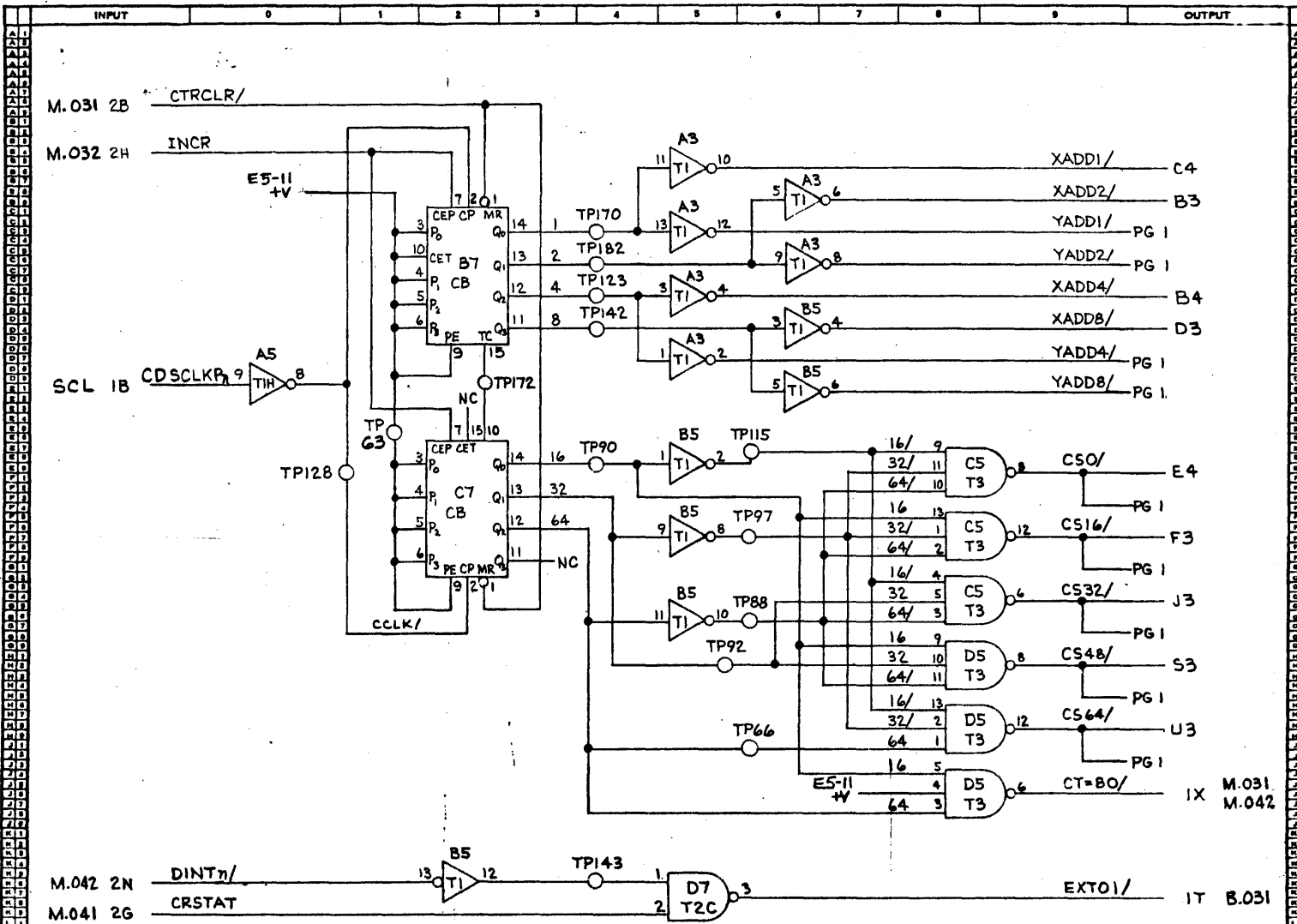
CC 2-9520 SH M.011

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 MAGNETIC SYSTEMS PLANT DOWNINGTOWN, PA 19338
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PRODUCTION

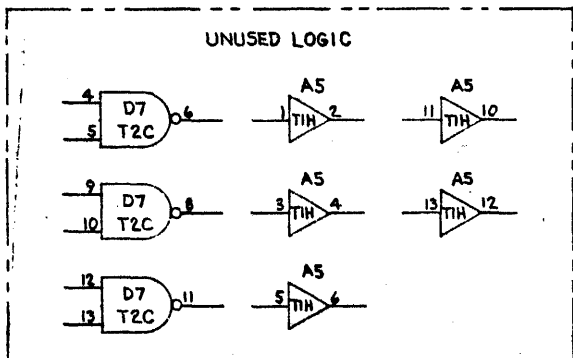
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 SYSTEM B700
 DRAWN LMJ
 APPROVED
 CHECKED C.R.F. 4-4-71
 RELEASED 10-18-71
 DWG. NO. 1447 8408
 PAGE 1 OF 2
 REV. LETTER G PER ECJ 350
 11-19-74 AFT
 PRINTED IN U. S. AMERICA

SCHMATIC



M.031
M.042

IX
IT B.031

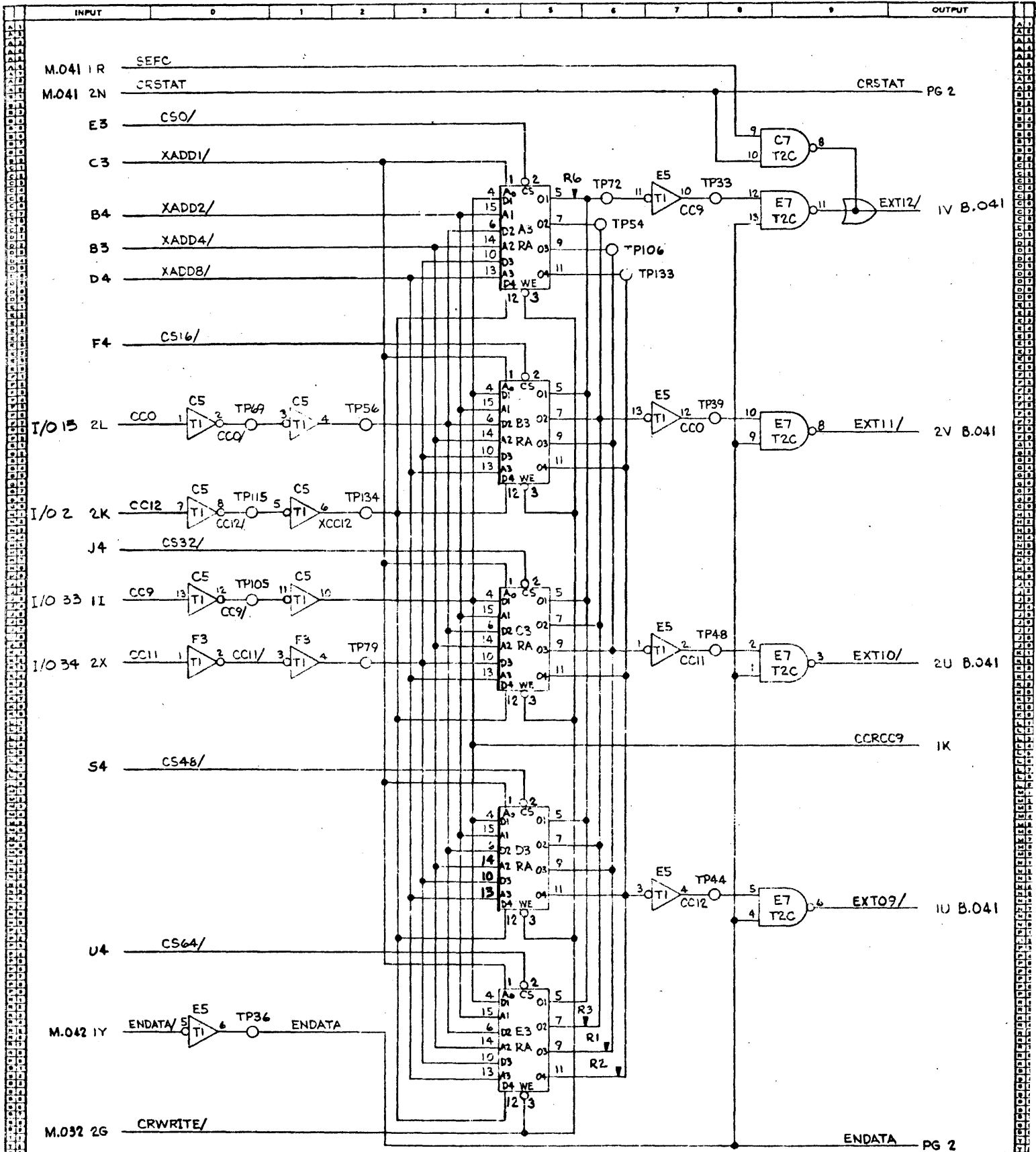


TIH	1479 7971	1
	1448 2319	1
CB	1447 3771	2
T2C	1447 3581	1
TI	1447 3532	4
RA	1447 3472	5
T3	1447 3540	2
CODE	PART NO.	QTY

SH M.012

U 2 U 4 U 8	78	<p>Burroughs Corporation</p> <p>MAGNETIC SYSTEMS PLANT DOWNTOWN, PA 19338</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 CRI, CARD READER BUFFER 1 SYSTEM B700 DRAWN LMJ APPROVED</p>	<p>CHECKED CKF 4-14-71 RELEASED 10-18-71</p>	<p>DWG. NO. 1447 8408 PAGE 2 OF 2 REV. LETTER G ECN 3506 11-19-74 AFT</p>
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SCHEMATIC



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

Burroughs Corporation
 MAGNETIC SYSTEMS PLANT
 DOWNTOWN PA 19338

PRODUCTION

TITLE CR2, CARD READER BUFFER
 SYSTEM 8700
 DRAWN APPROVED
 CHECKED 10-13-71
 G. DINERMAN

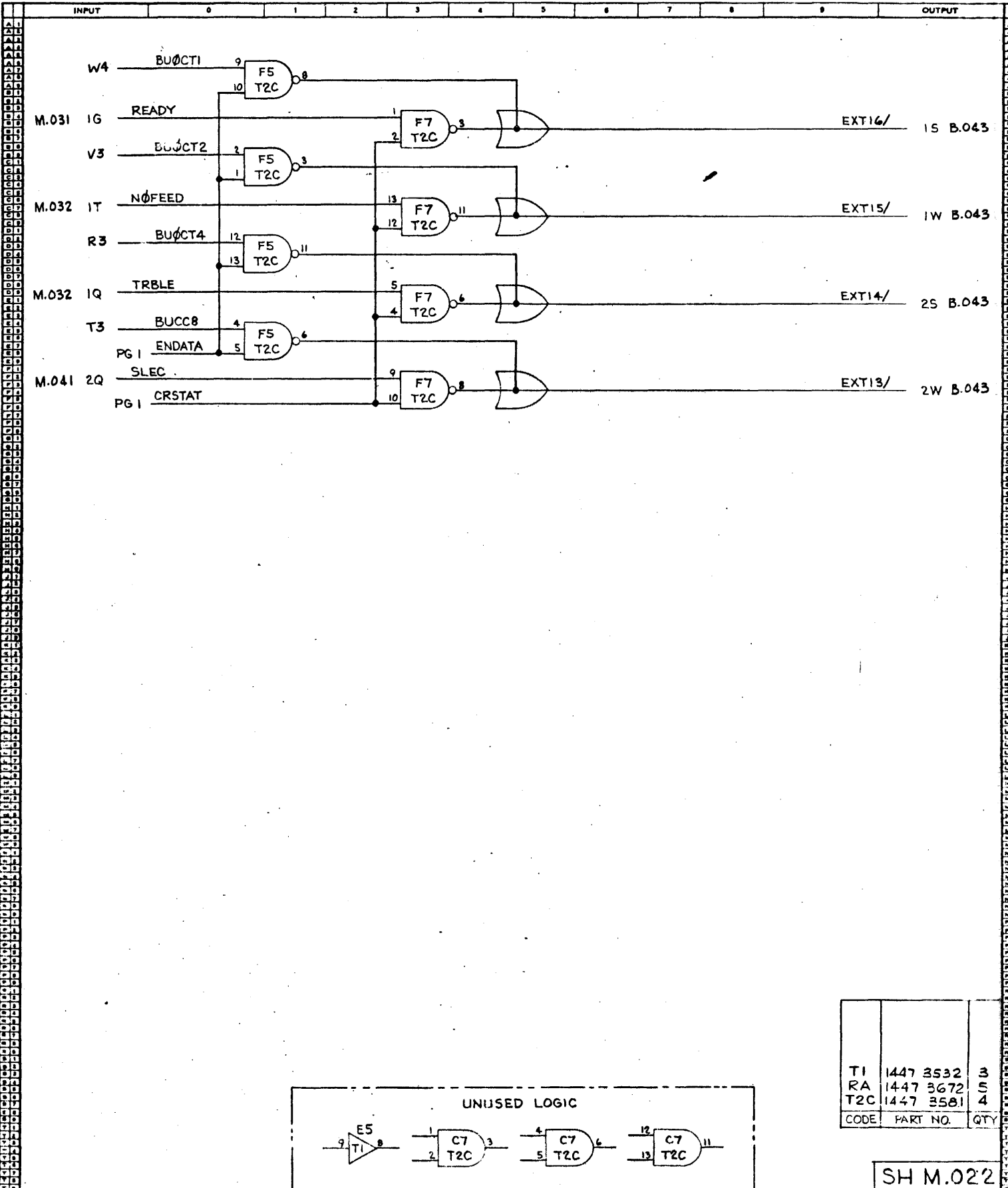
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 PAGE 1 OF 2
 REV. LETTER G ECN 4803
 10-27-76

SH M.021

SHT 1 2
 REV G F

CC 2-9520 4

SCHEMATIC



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

SH M.022

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

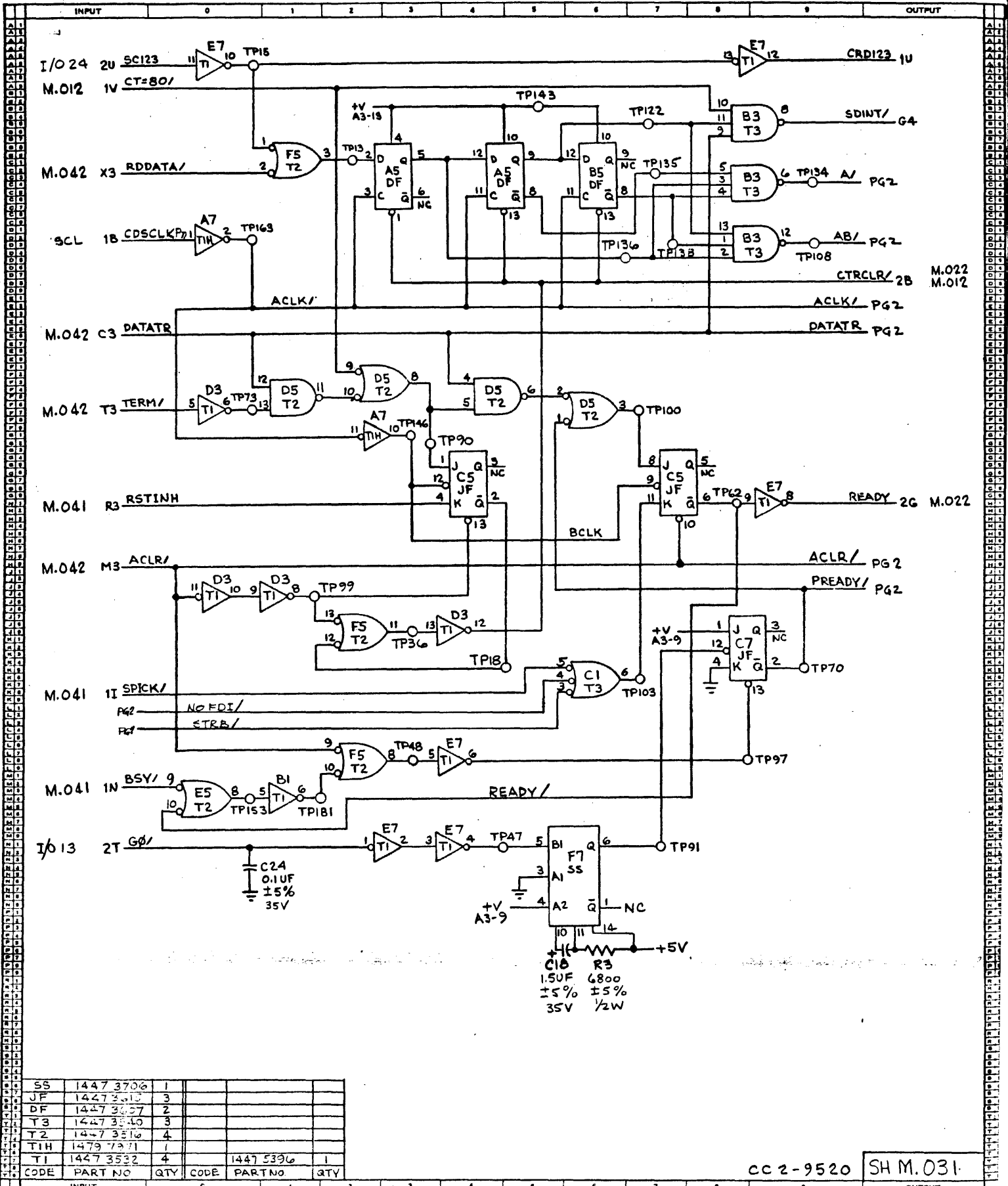
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TITLE CR2 CARD READER BUFFER
 SYSTEM B700
 DRAWN APPROVED
 CHECKED RELEASED 10-13-71
 B. FINEKMAN

DWG. NO. 1447 6416
 PAGE 2 OF 2
 REV. LETTER F ECN 3995
 DATE 5-19-71

SCHEMATIC



M.022
M.012

M.022
M.012

CC 2-9520 SH M.031

SS	1447 3706	1			
JF	1447 3515	3			
DF	1447 3527	2			
T3	1447 3540	3			
T2	1447 3516	4			
TIH	1479 7371	1			
TI	1447 3532	4	1447 5396	1	
CODE	PART NO	QTY	CODE	PART NO	QTY

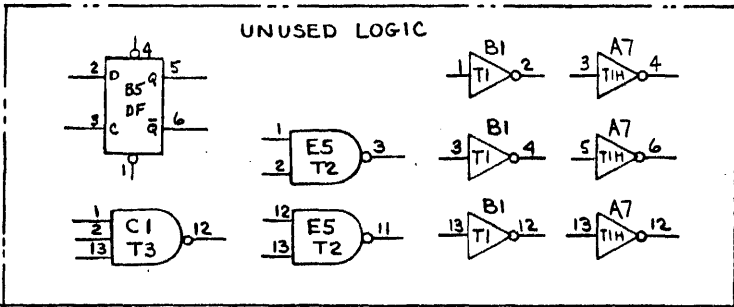
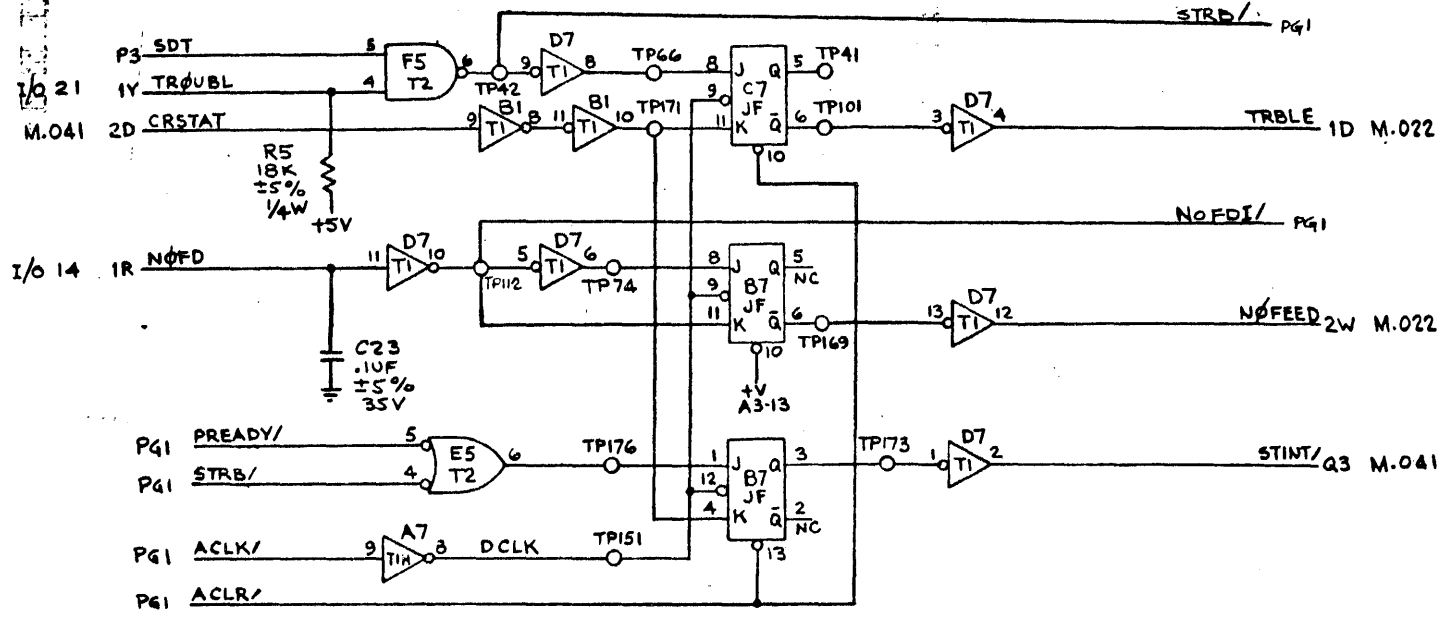
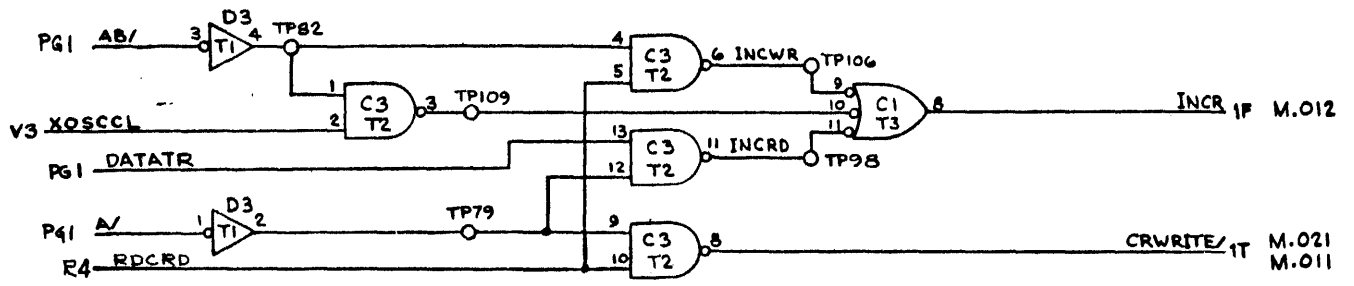
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 MAGNETIC SYSTEMS PLANT
 DOWNTOWN, PA 16335
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TITLE CR3 CARD READER COUNTER
 SYSTEM B700
 DRAWN M. SULLIVAN CHECKED L.M.J.
 APPROVED B. DINERMAN RELEASED 11/22/71

DWG. NO. 1447 8424
 PAGE 1 OF 2
 REV. LETTER K ECN 3506
 11-19-74 4ET

SCHMATIC

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



SH M.032

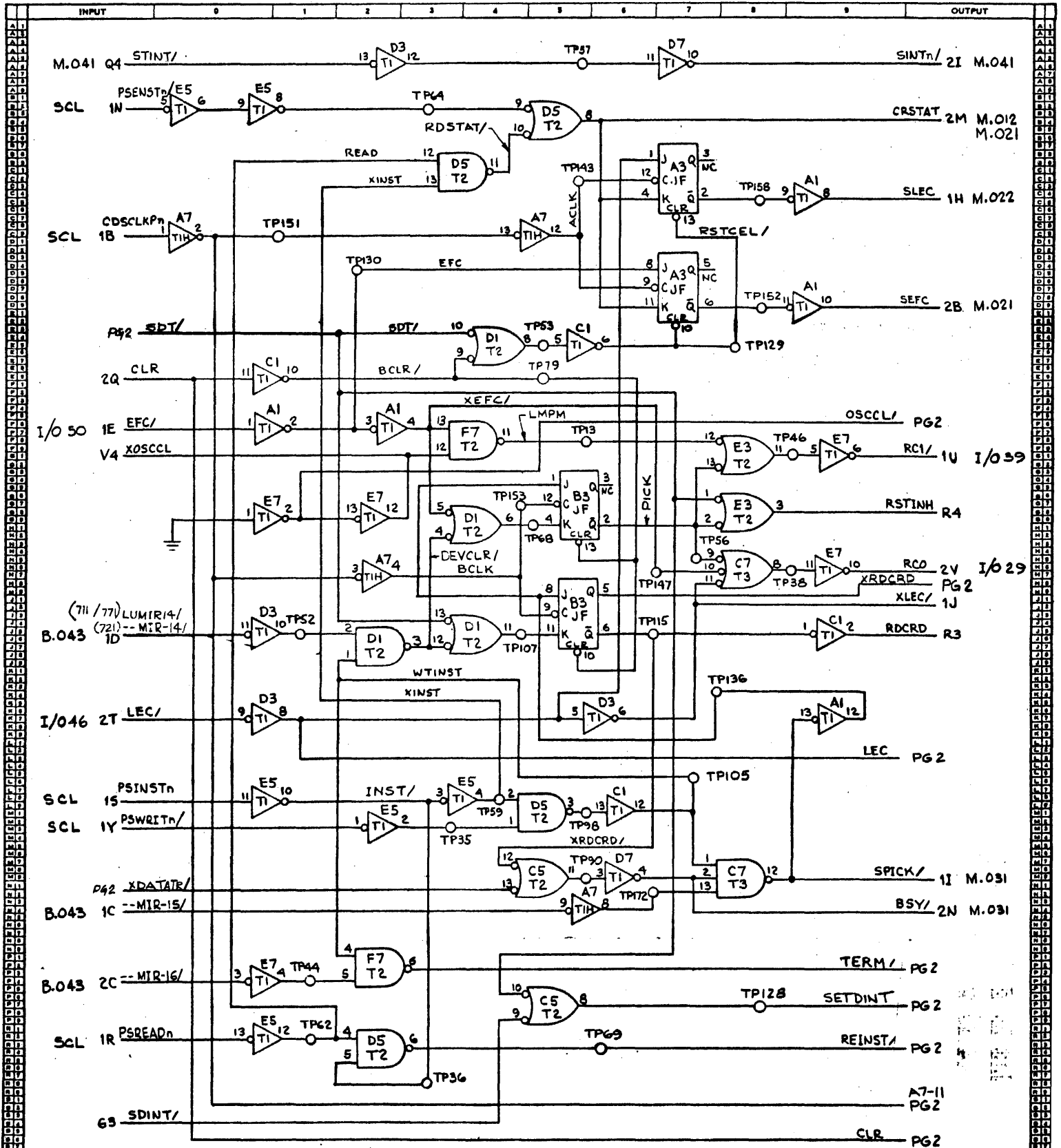
INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

Burroughs Corporation
MAGNETIC SYSTEMS PLANT DOWNINGTOWN PA 19335

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 AET

SCHEMATIC



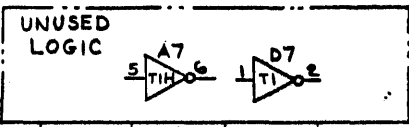
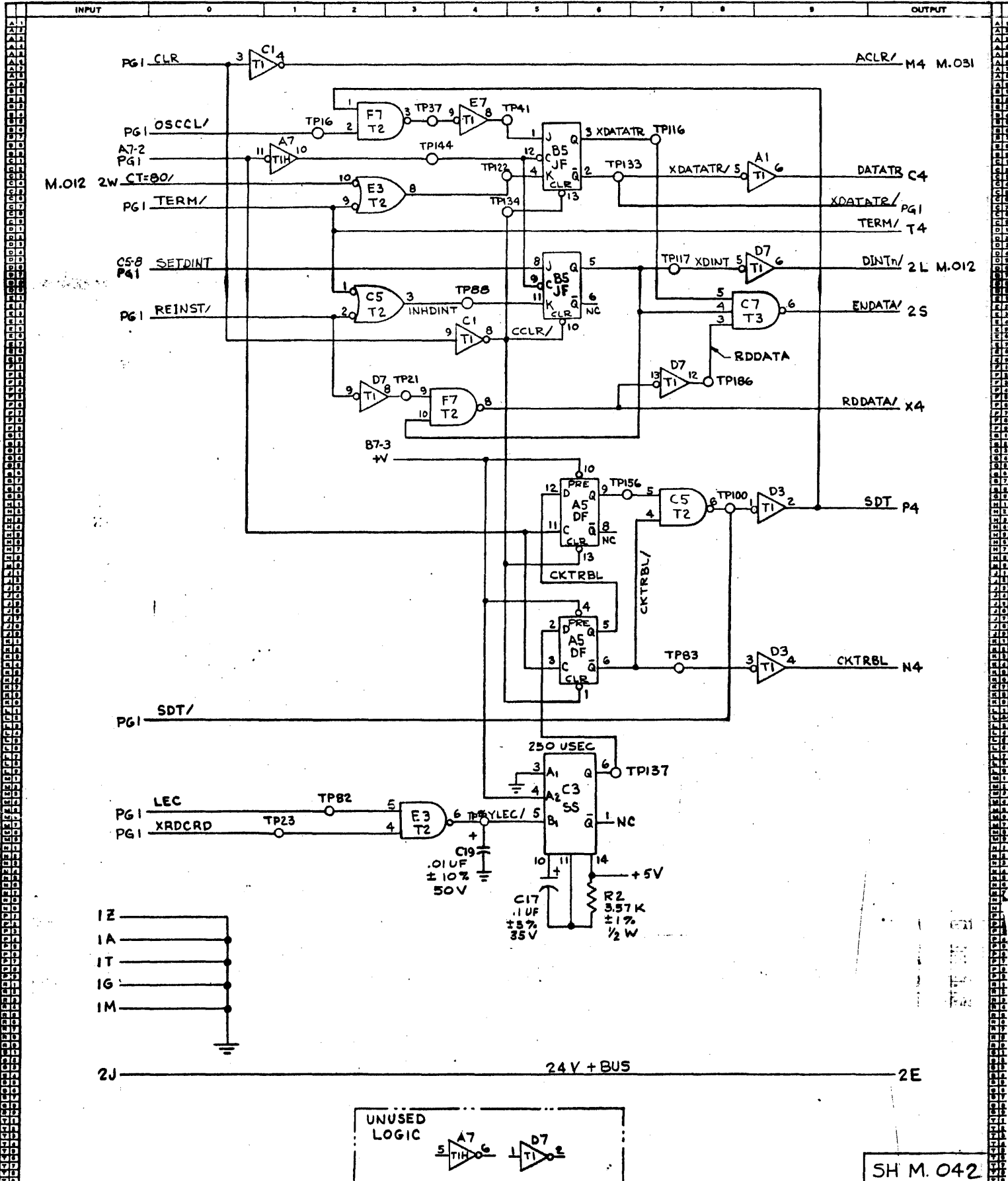
T1H	14797971	1		14475396	1
T3	14473540	1	SS	14473706	1
T2	14473516	5	JF	14473615	3
T1	14473532	6	DF	14473607	1
CODE	PART NO	QTY	CODE	PART NO	QTY

CC 2-95 20

SH M.041.

<p>Burroughs Corporation MAGNETIC SYSTEMS PLANT DOWNINGTOWN, PA 19338</p>										<p>PRODUCTION</p>										<p>TITLE CR4, CARD READER SYSTEM B700 DRAWN M.SULLIVAN CHECKED APPROVED RELEASED 6-30-72</p>										<p>DWG. NO. 1448 8217 PAGE 1 OF 2 REV. LETTER E PER B013506 11-13-72 AFT</p>									
<p>PROPERTY OF BURROUGHS CORP. NOT TO BE REPRODUCED OR DISTRIBUTED WITHOUT FACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT</p>										<p>8 DTH 98 4-71</p>										<p>8</p>										<p>PRINTED IN U.S.A.</p>									

SCHEMATIC



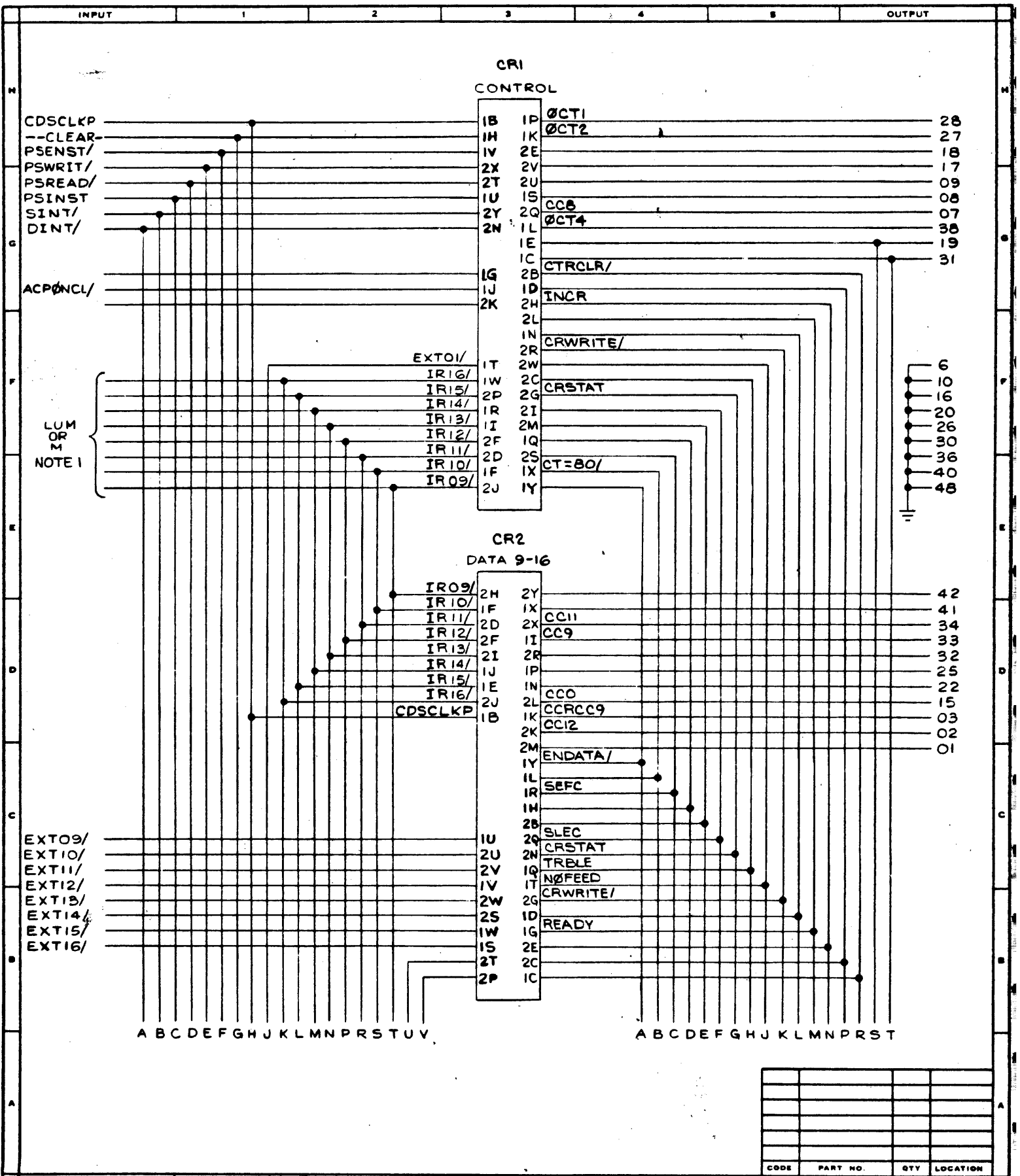
SH M. 042

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 MAGNETIC SYSTEMS PLANT DOWNINGTOWN, PA 19338
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PRODUCTION

TITLE CR4, CARD READER
 SYSTEM B700
 DRAWN M. SULLIVAN CHECKED
 APPROVED *[Signature]* 8-30-72 RELEASED 6-30-72

DWG. NO. 1448.8217
 PAGE 2 OF 2
 REV. LETTER E PER ECI 3506
 11-19-74 RET

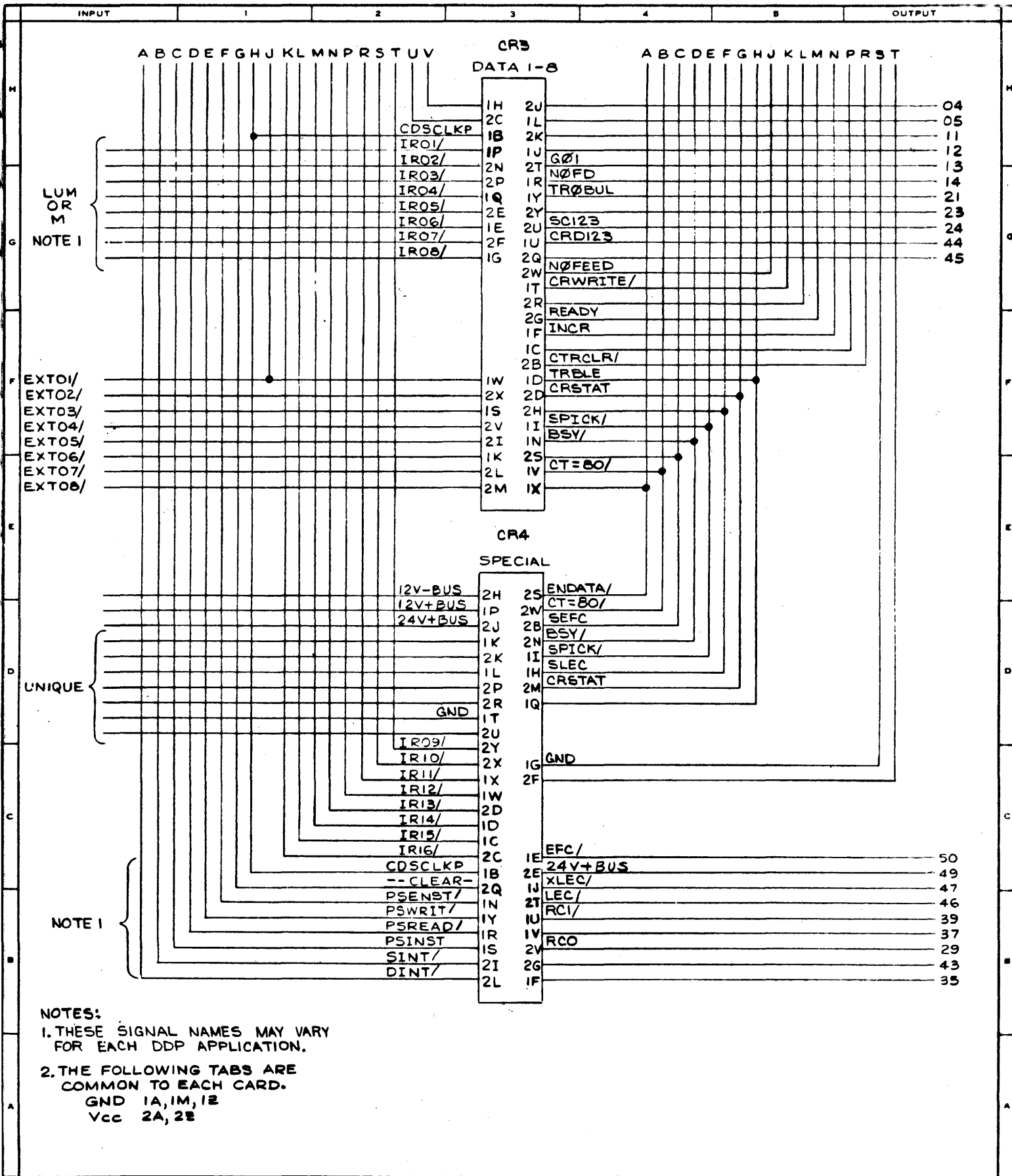


CODE	PART NO.	QTY	LOCATION

Burroughs Corporation COMPUTER SYSTEMS GROUP DOWNTOWN PLANT DOWNTOWN, PA. 19333 U.S. AMERICA		REV AA SH 1 2 A REL. 10/11/76 A 10/11/76	DRAWN C. ZUTSKI DATE 1-9-76 CHECKED [Signature] DATE 1-20-76 DESIGNED [Signature] DATE 3/17/76 APPROVED [Signature] DATE 3-1-76	TITLE DDP CR WIRING DIAGRAM SHEET 1 of 2 DWG NO. 2606 9575	CLASS CODE 2-9520 PLY NO. 038 REV A
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PRINTED IN U.S. AMERICA

DRAWING 44-131-25007



Burroughs Corporation



COMPUTER SYSTEMS GROUP

DOWNINGTOWN PLANT

DOWNINGTOWN, PENNSYLVANIA 19335

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USED FOR MANUFACTURING
PURPOSES EXCEPT ON BURROUGHS
ORDER OR PRIOR WRITTEN
CONSENT.

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 Rev109</i>		
B	Revised per EGN 4448. Templates deleted.	12-3-75	<i>W. Springer</i> <i>JTB</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.



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NUMBER

2606 3891

REV

B

PAGE

3

OF

3

- (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:
 A ER #94 8-1-73
 B ECN 1859 11/1
 C 08/23-73

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	PART REF DES			TERMINAL	TYPE OF TERMINATION	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	
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	↑	RDI11L/	48	↑	↑	↑	↑	↑	↑	↑	↑	↑		
24	↓	↓	↓	27	↓	↓	40	↓	GND	49	↑	↑	↑	↑	↑	↑	↑	↑	↑		
25	26	RED	P1	23	WIRE WRAP	P2	41	WIRE WRAP	RDI12L/	50	↑	↑	↑	↑	↑	↑	↑	↑	↑		

NOTES:

51

DRAWN KAPPE DATE 1-25-73
 CHECKED DATE 7-27-73
 DSGN OR ENGR DATE
 APPROVED DATE 7/30/73

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

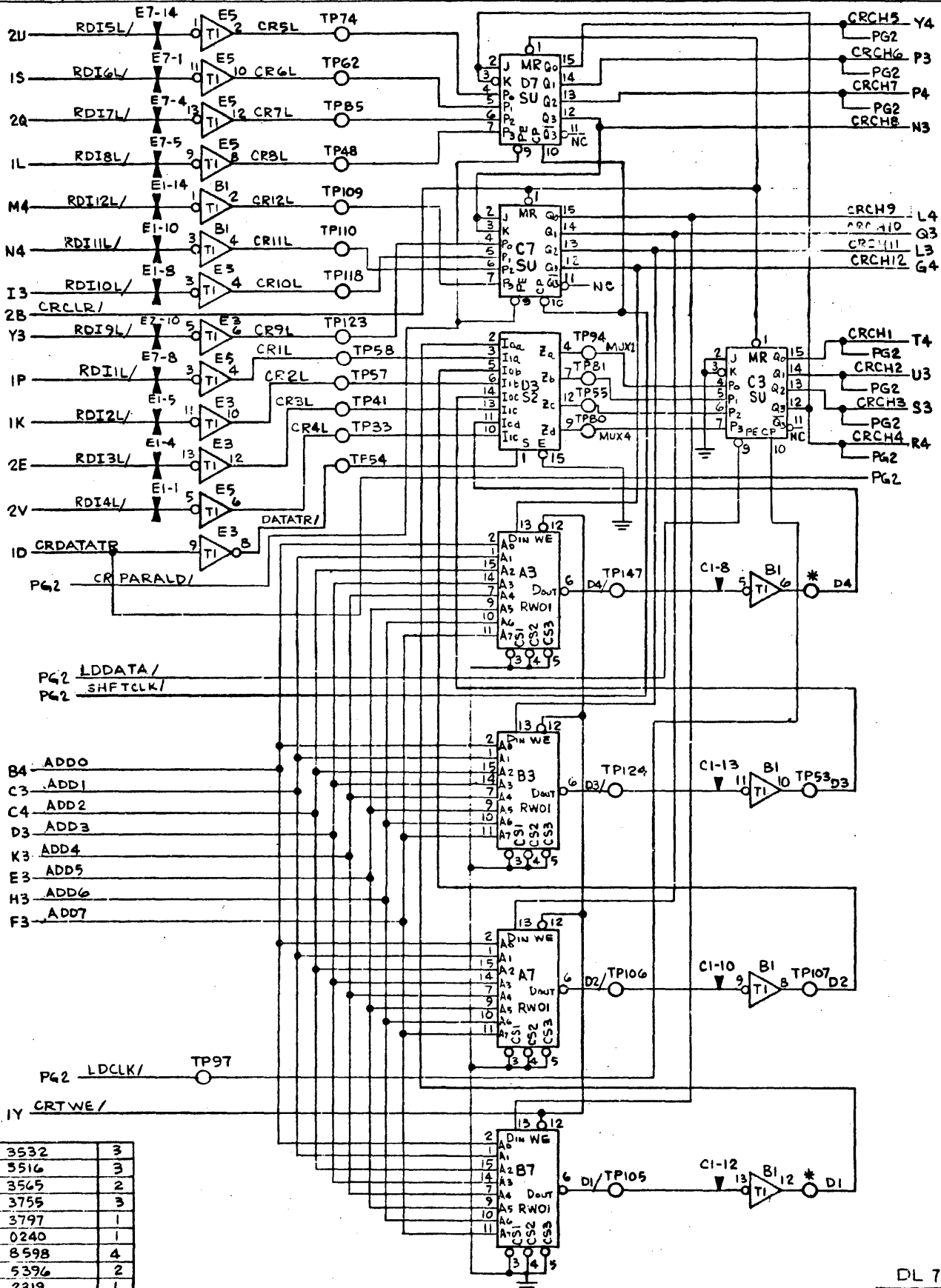
TITLE WIRE LIST
 CABLE AESY, ADAPTER
 CARD READER A9115

SHEET 2 OF DWG NO 1449 4892

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SCHMATIC

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



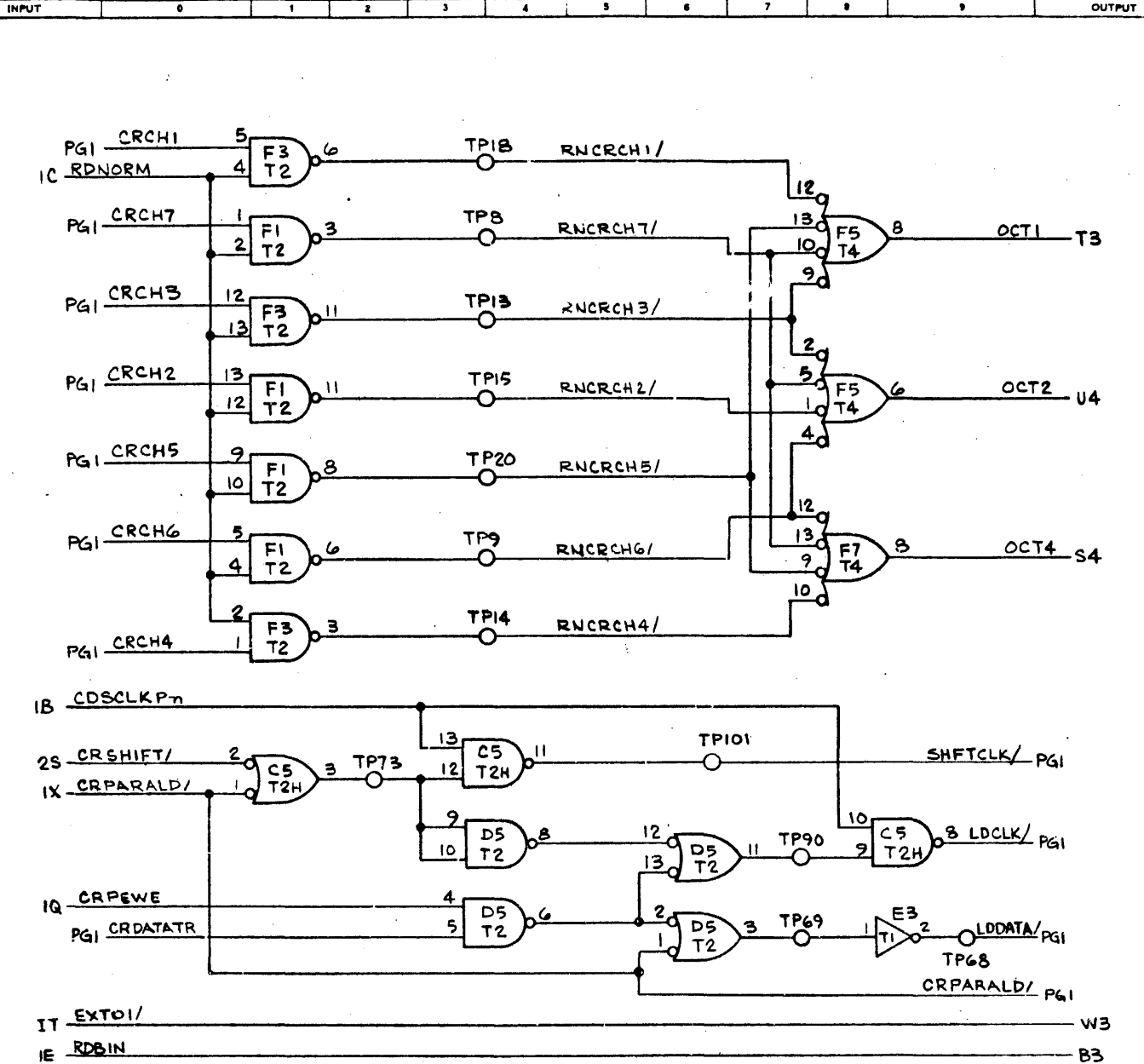
TI	1447 3532	3
T2	1447 3516	3
T4	1447 3565	2
SU	1447 3755	3
S2	1447 3797	1
T2H	1479 0240	1
RWOI	1447 8598	4
	1447 5396	2
	1448 2319	1
CODE	PART NUMBER	QTY

DL 7/8
CC2-9520 SH

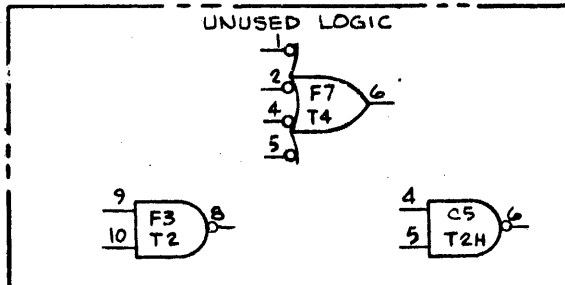
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TITLE CRTC CARD READER BUFFER SYSTEM B770
DRAWN *[Signature]* 12-24-73 CHECKED *[Signature]* 1-2-73
APPROVED D. DINERMAN RELEASED 8-20-73
DWG. NO. 1449 5154
PAGE 1 OF 2
REV. LETTER B ECN 4876
CZ. 4-27-76

SCHEMATIC



* UNABLE TO OBTAIN DEDICATED VIA



DL7/B

SH

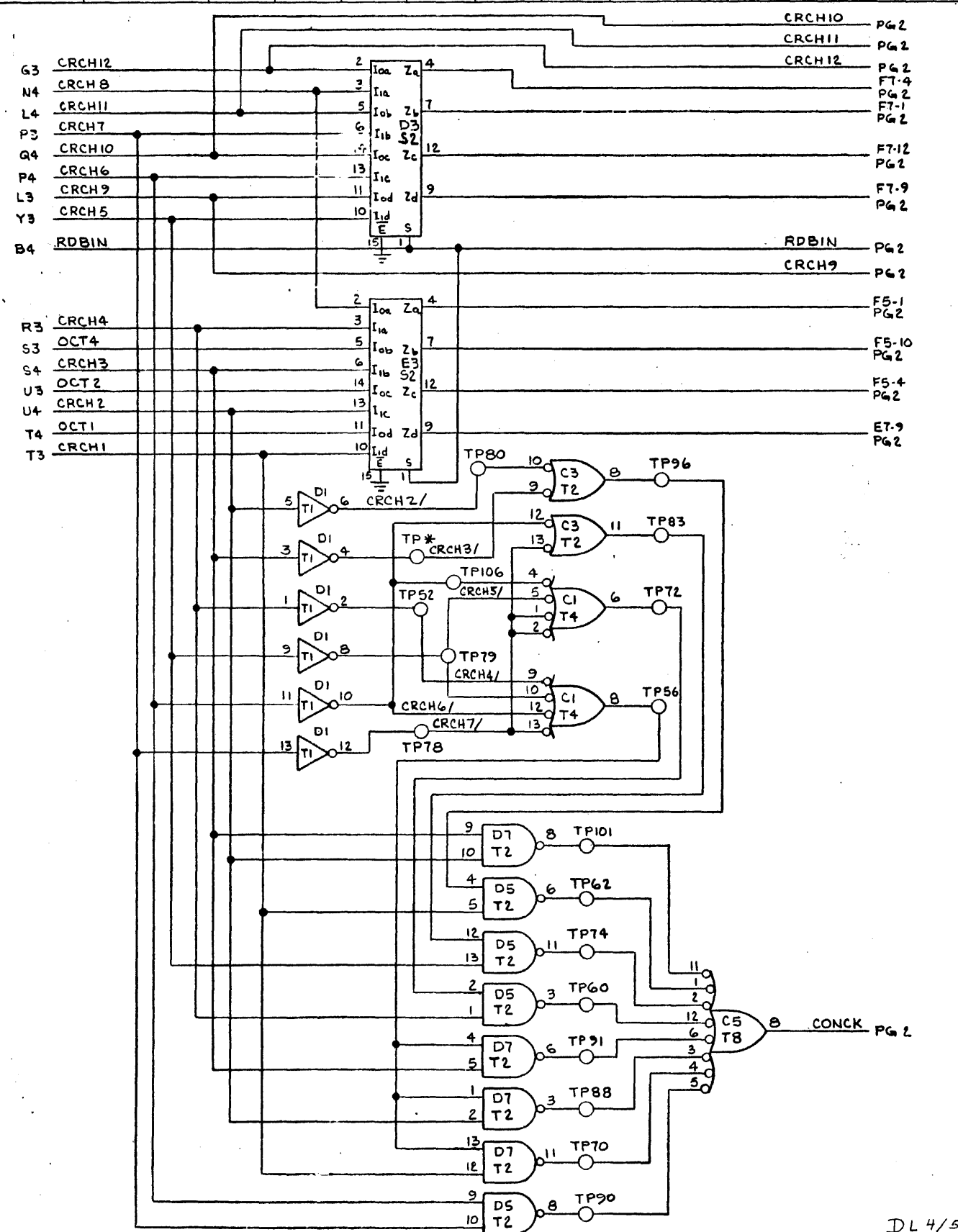


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TITLE CRTI CARD READER BUFFER
 SYSTEM B70
 DRAWN *[Signature]* 2-20-73 CHECKED *[Signature]* 2-2-73
 APPROVED B. DINERMAN 2-20-73
 DWG. NO. 1449 5154
 PAGE 2
 REV. LETTER B ECN 4876
 CZ. 4-27-76

SCHEMATIC #

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



* UNABLE TO OBTAIN DEDICATED VIA

CC-2-9520

DL 4/5
SH

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

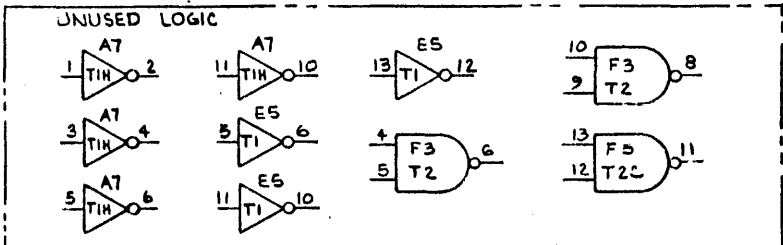
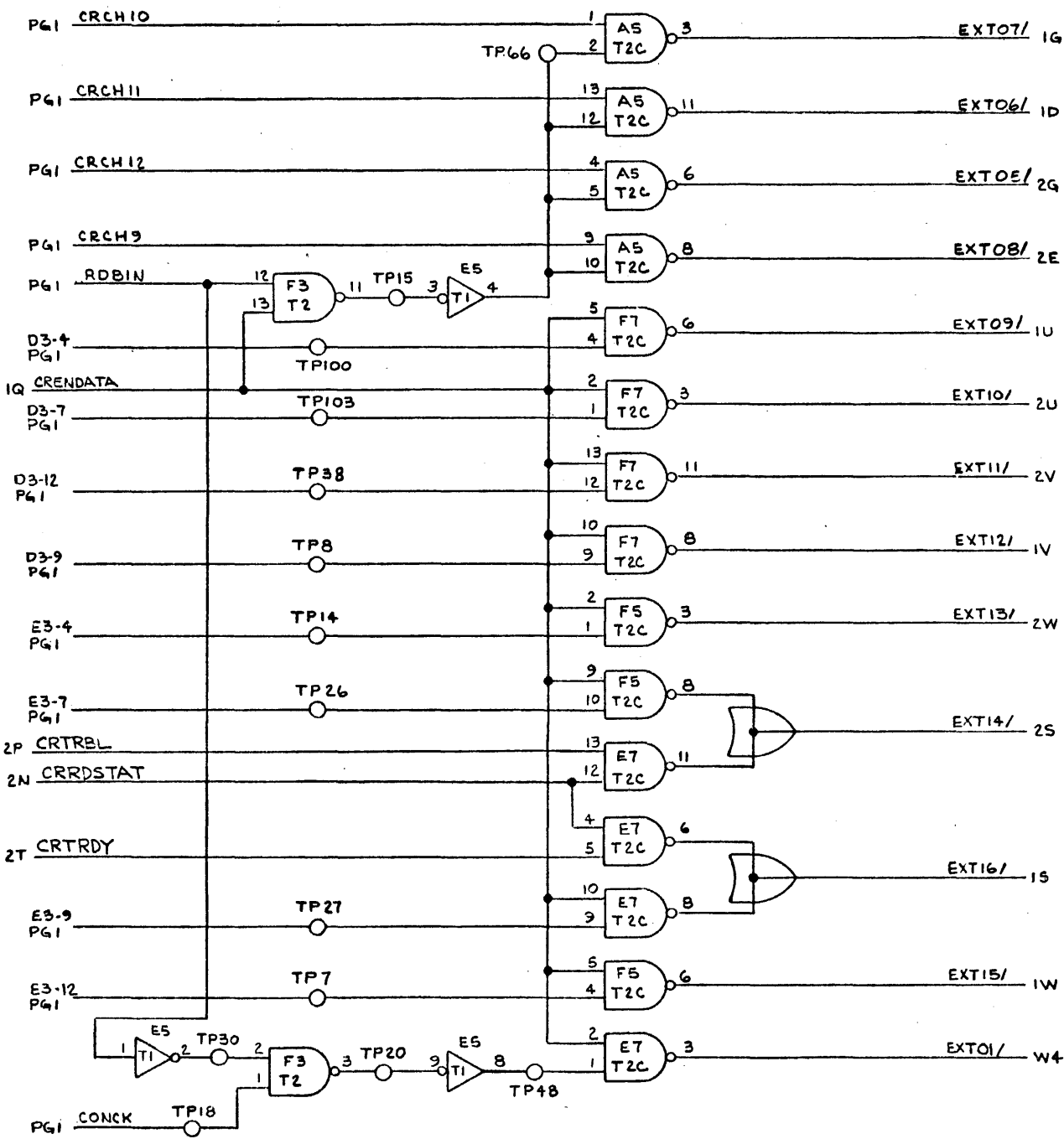
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DOWNTOWN, PA. 18933

TITLE CARD READER BUFFER CRT
SYSTEM B770
DRAWN J. SCHLENNER
APPROVED B. DINERMAN
CHECKED C. B. SCHOFF
RELEASED 8-20-73
F18-73

DWG. NO. 1449 5188
PAGE 1 OF 3
REV. LETTER C P. 2624
FRESH 4-1956

SCHMATIC

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



CB	1447 3771	2
S2	1447 3797	2
78	1447 3573	1
T4	1447 3565	3
T2C	1447 3581	4
T2	1447 3516	4
TIH	1479 7971	1
TI	1447 3532	4

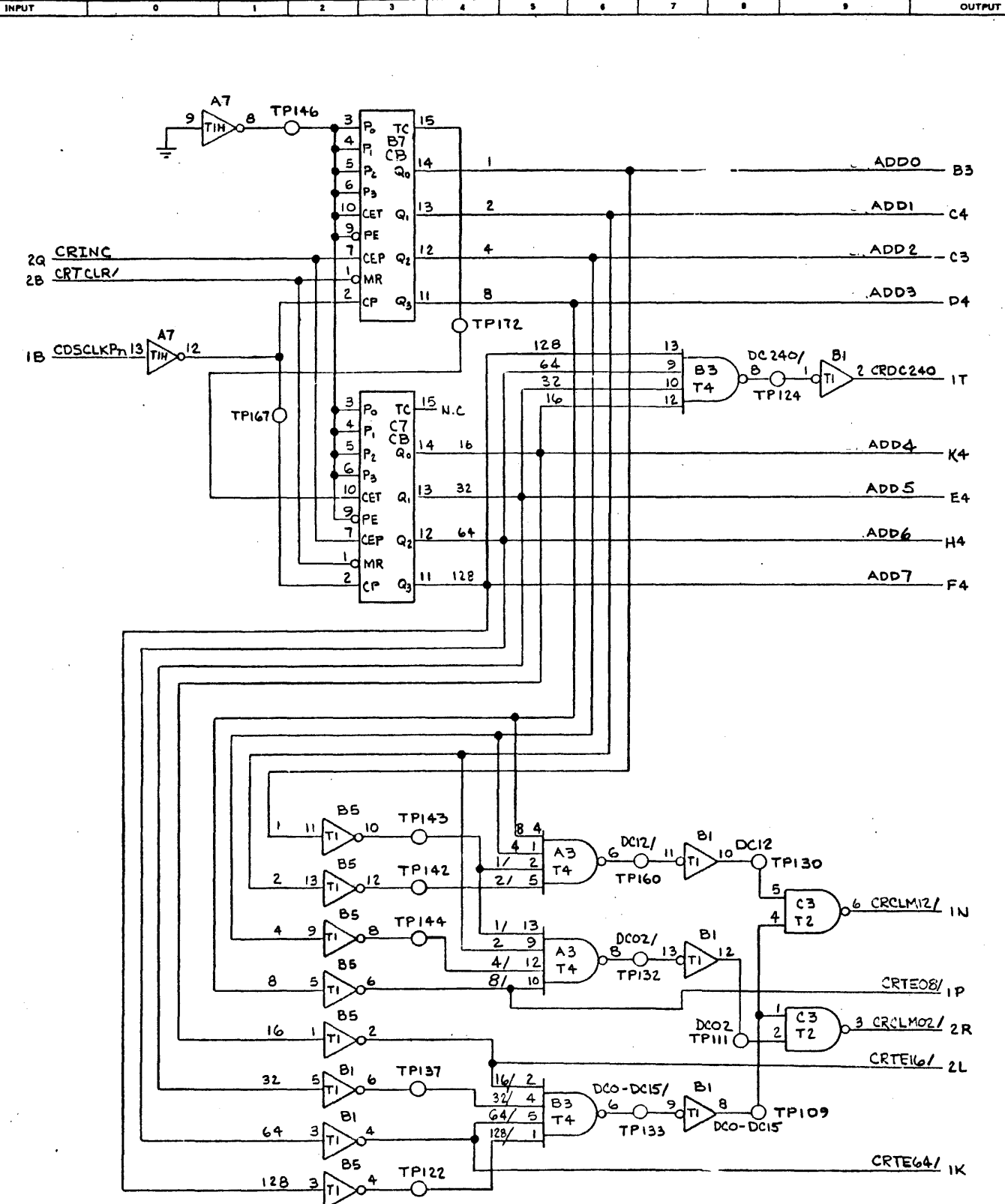
CODE	PART NO.	QTY
------	----------	-----

DL 4/5
cc2-9520 SH

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TITLE CARD READER BUFFER CRT2
SYSTEM B770
DRAWN J. SCHLENNER CHECKED C.C. BICHOFF
APPROVED B. DINERMAN RELEASED 8-20-75
REV. LETTER C PER GC11

SCHMATIC



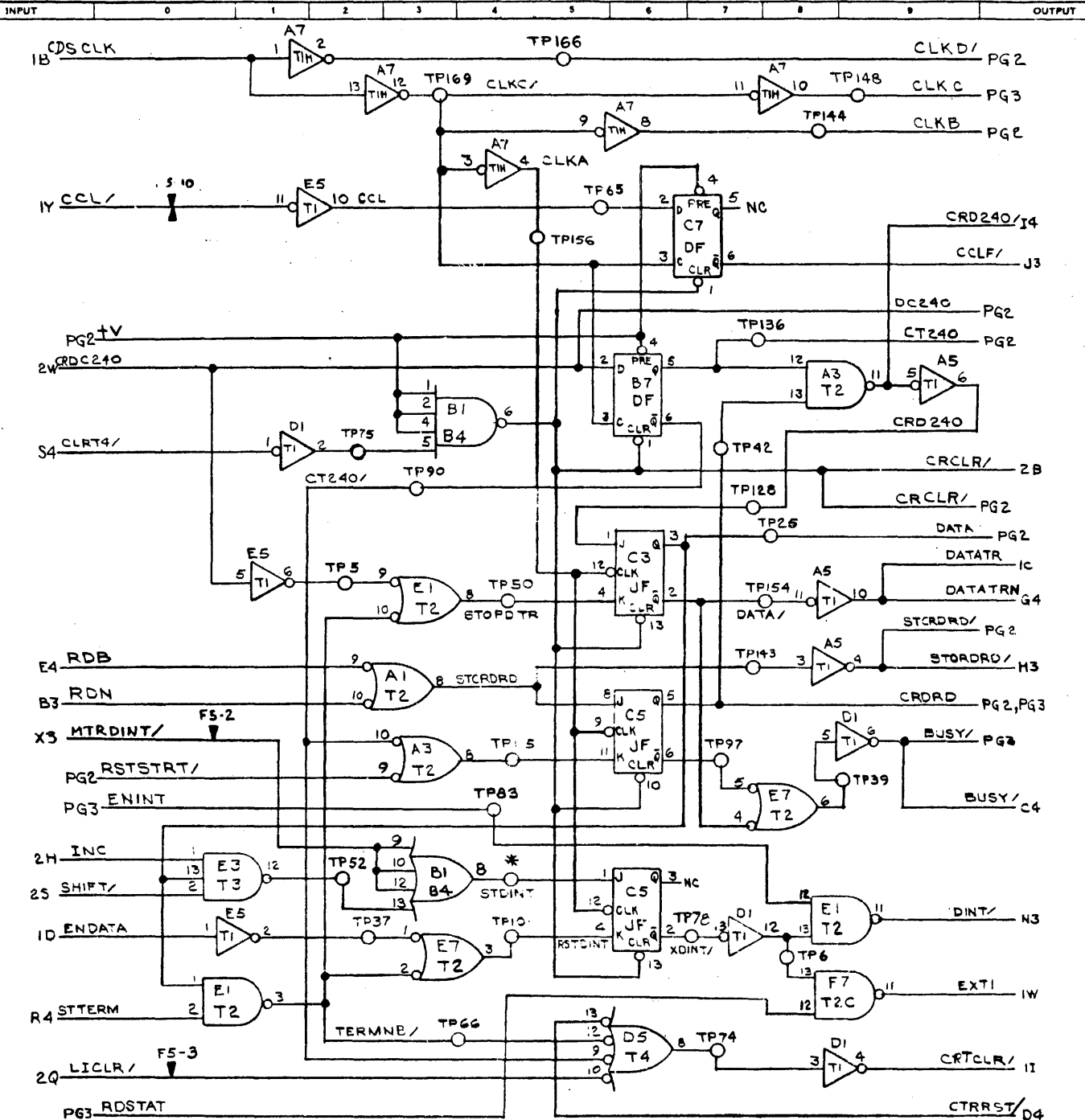
I/O-34 2X RDI9L/ Y4
 I/O-33 11 RDI10L/ I4
 I/O-42 2Y RDI11L/ N3
 I/O-41 1X RDI12L/ M3
 DL 4/5

CC2-9520 SH

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TITLE CARD READER BUFFER CRT2
 SYSTEM B770
 DRAWN J. SCHLENNER CHECKED C. B. SCHIFF
 APPROVED B. DINGERMAN RELEASED 8-20-73
 DWG. NO. 1449 5188
 PAGE 3
 REV. LETTER B PER EGN
 4-28-73
 1955

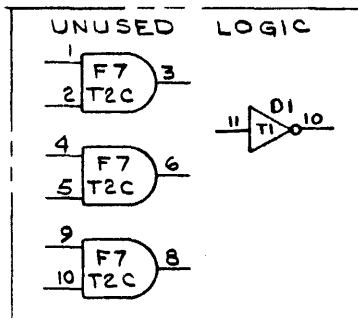
SCHEMATIC



NOTES:

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

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
CODE	PART NO	QTY



DL 2/1

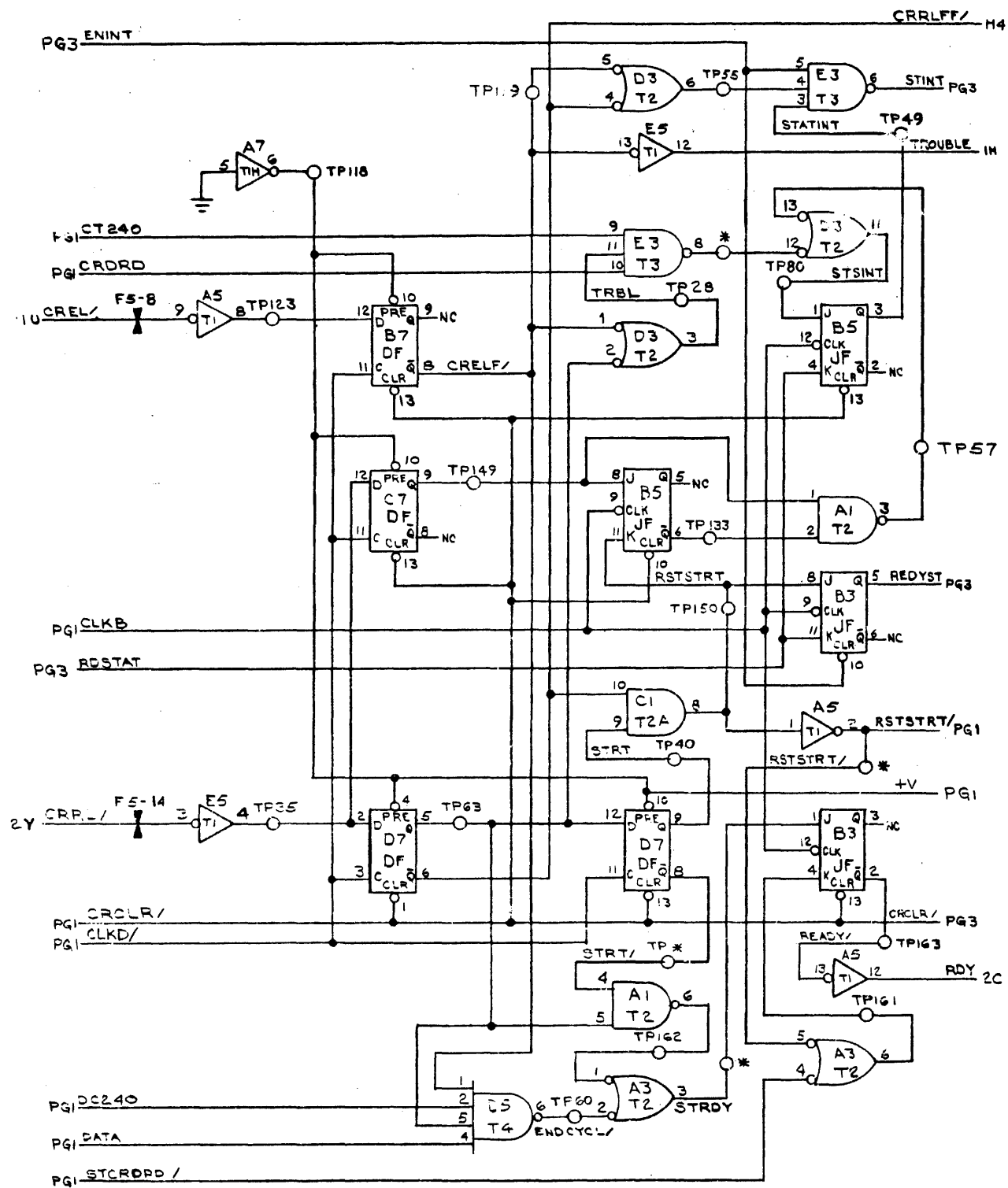
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TITLE CARD READER CONTROL CRT 3
 SYSTEM B770 DWG. NO. 1449 5212
 DRAWN J. DORNER CHECKED *Rusan* PAGE 1 OF 3
 APPROVED *[Signature]* RELEASED 8-20-73 REV. LETTER H ECN4877
 CE 4-2-76

B H H P G N Q
 3 2 1 REV

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

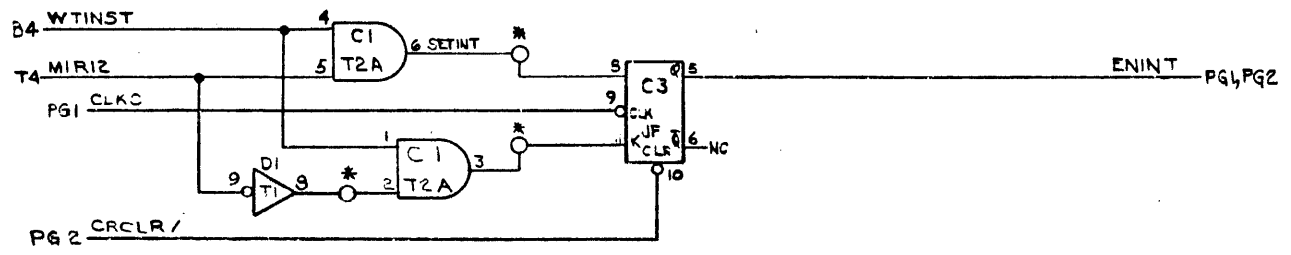
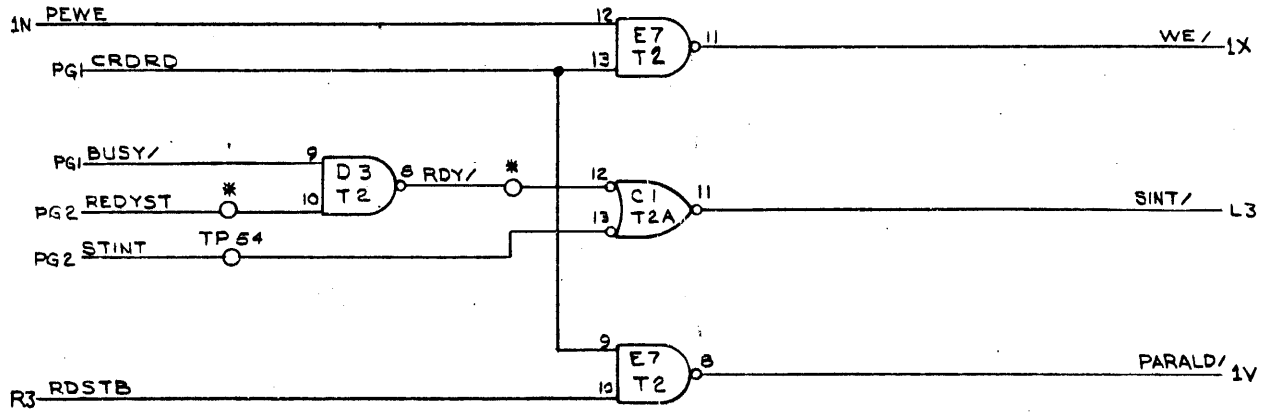
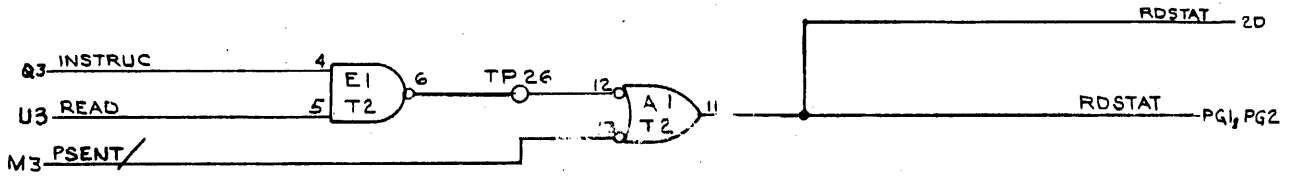
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TITLE CARD READER CONTROL CRT3
 SYSTEM B 770
 DRAWN U. ODERR APP. CHECKED R. W. ...
 APPROVED ... RELEASED 8-20-73

DWG. NO. 1449 5212
 PAGE 2
 REV. LETTER H ECN4877
 CL 4-27-76

SCHEMATIC

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



- 1F EXT8/ EXT8/ 2M
- 2G EXT7/ EXT7/ 2L
- 2R EXT6/ EXT6/ 1K
- 1T EXT5/ EXT5/ 2I

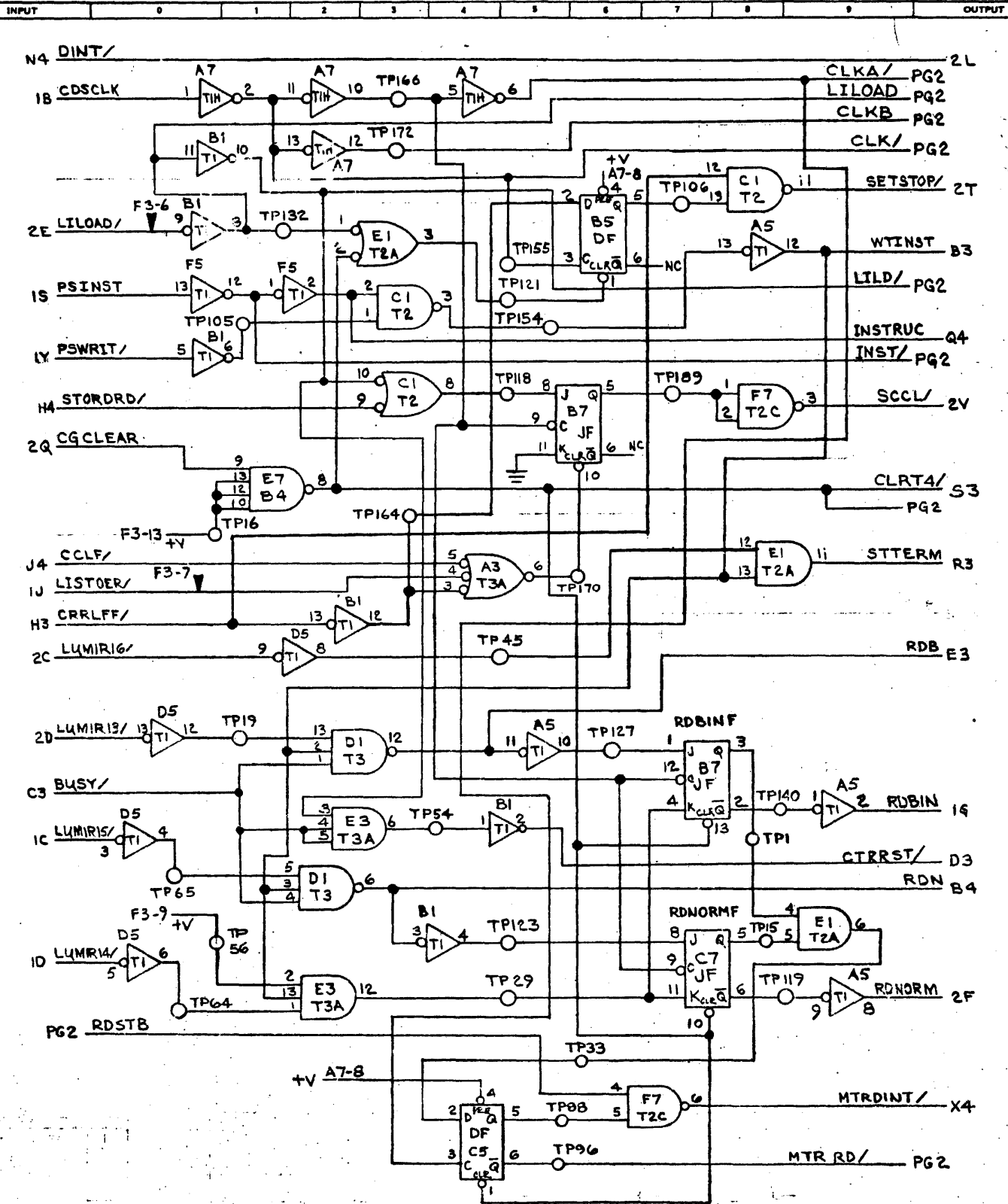
DL 2/1

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

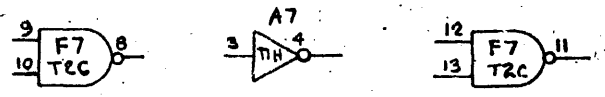
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TITLE CARD READER CONTROL CRT 3
 SYSTEM 8770
 DRAWN J. DOERR 10/23 CHECKED *RW*
 APPROVED *RW* RELEASED 8-20-73
 DWG. NO. 1449 5212
 PAGE 3
 REV. LETTER B ECN 1933

SCHMATIC



UNUSED LOGIC

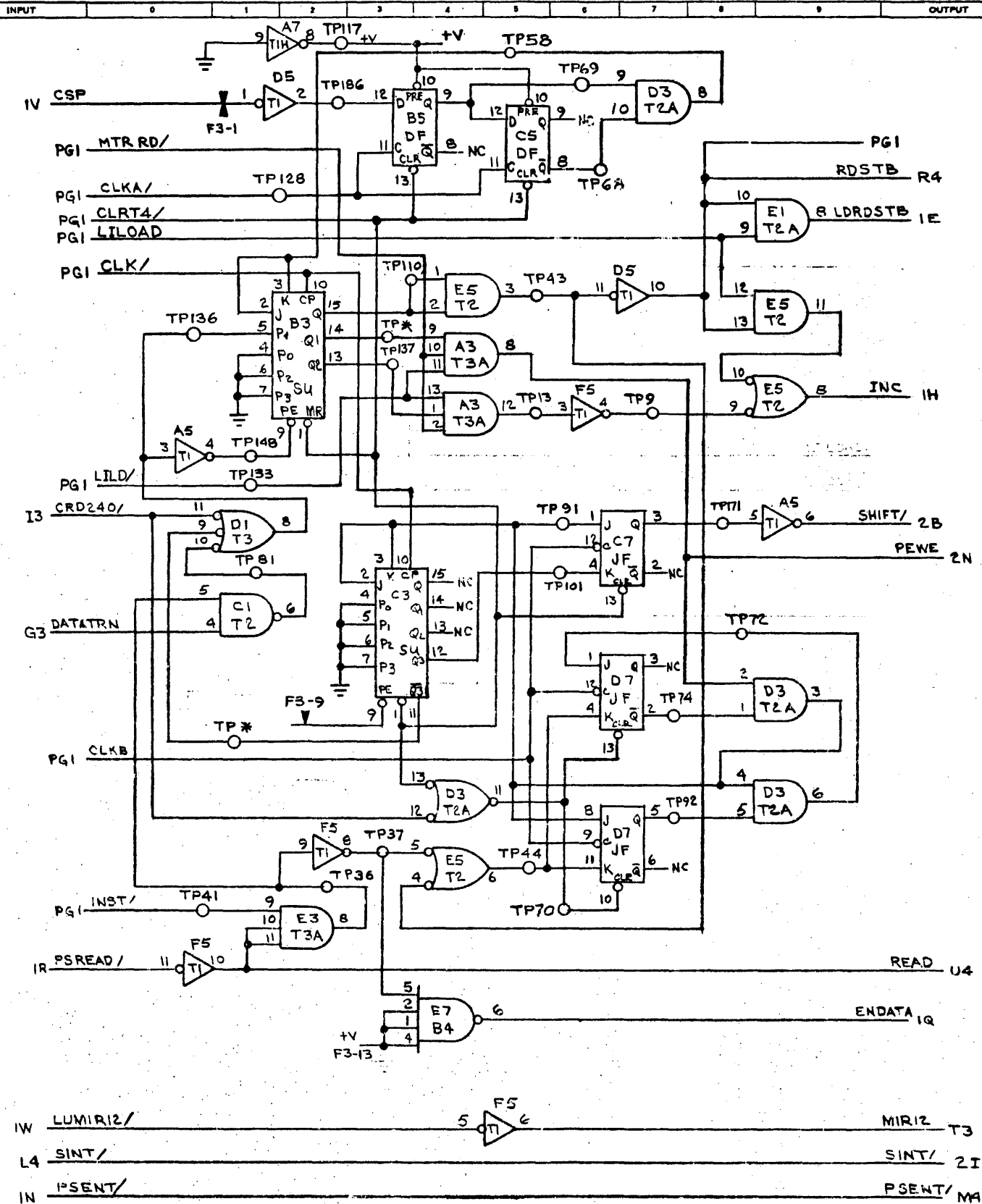


DK 918

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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 MAGNETIC SYSTEMS PLANT DOWNINGTOWN, PA 19338
 TITLE CARD READER CONTROL CRT 4
 SYSTEM B770
 DRAWN KRELL
 APPROVED [Signature] 8-20-73
 DWG. NO. 1449 5246
 PAGE 1 OF 2
 REV. LETTER E ECN 1332

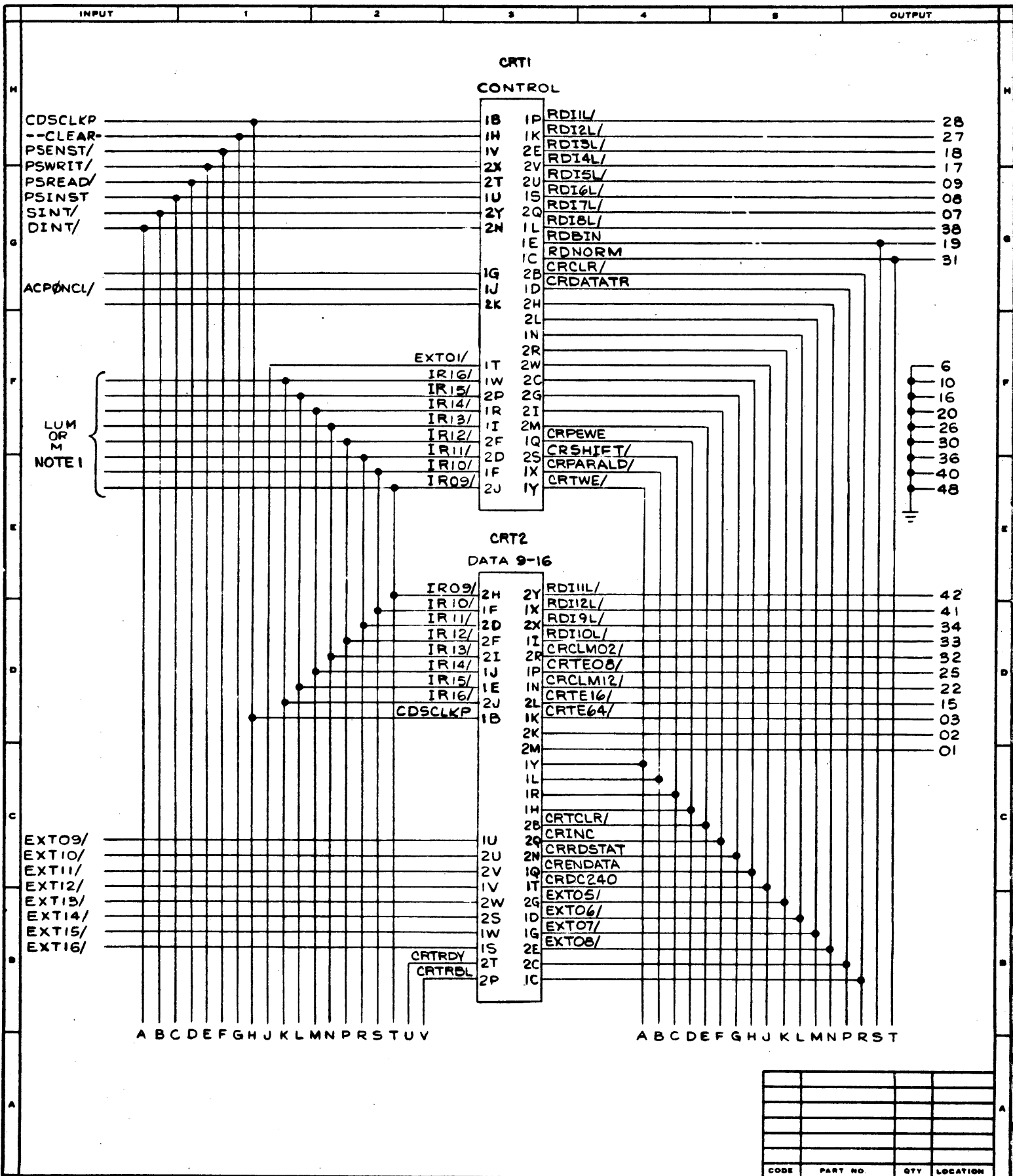
SCHMATIC



DK 9/8

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TITLE CARD READER CONTROL CRT4
 SYSTEM B770
 DRAWN *[Signature]* CHECKED *[Signature]*
 APPROVED *[Signature]* RELEASED 8-20-75
 DWG. NO. 1449 5246
 PAGE 2
 REV. LETTER E ECN 19324



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DOWNTOWN, PA. 19333

DOWNTOWN PLANT
U.S. AMERICA

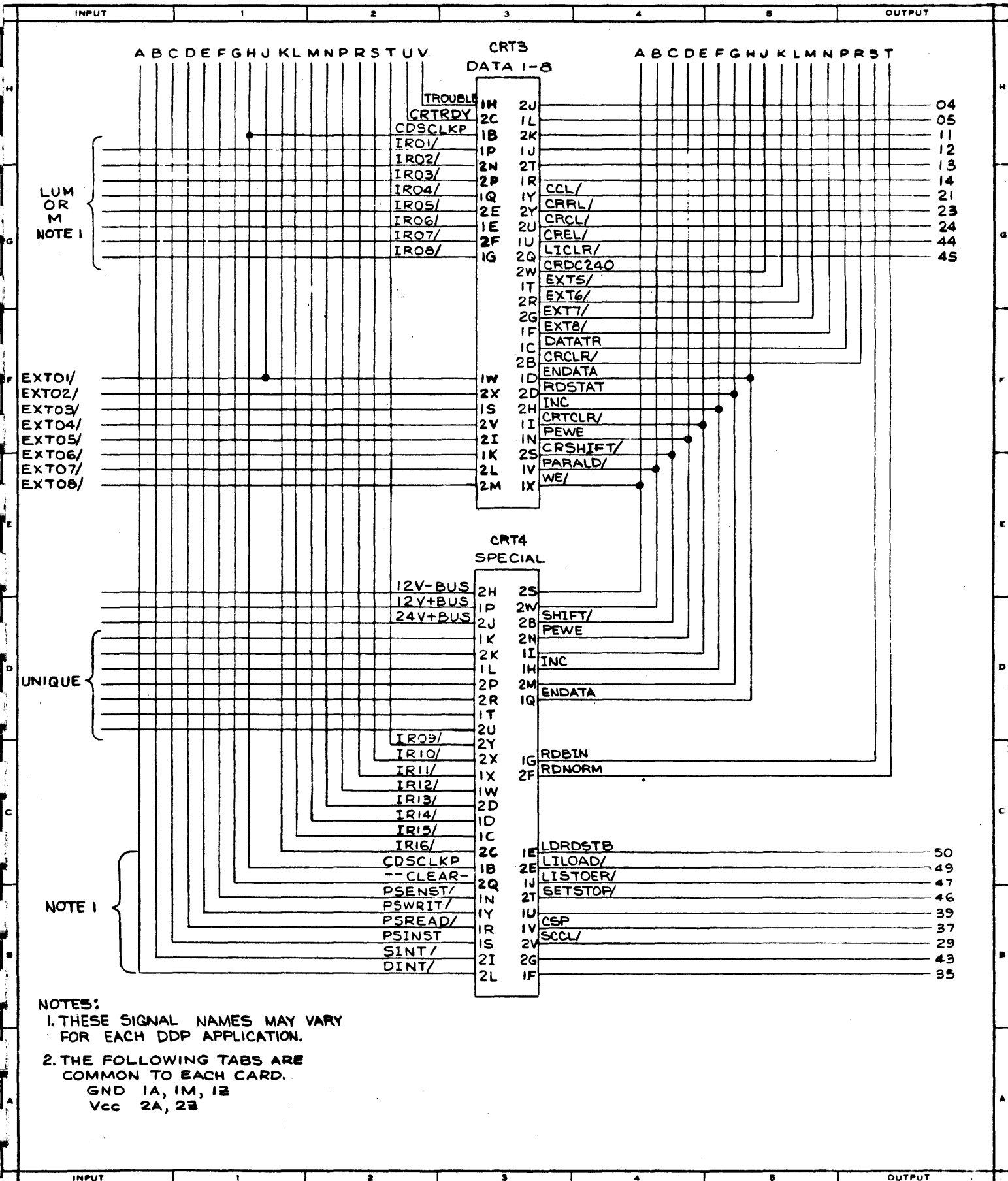
REV	A	A
SH	1	2
REVISED BY	A. BERTON	
DATE	3/1/74	

DATE 1-9-73
DATE 3/1/74
DATE 3-7-76

TITLE DDP CRT
WIRING DIAGRAM
SHEET DWG NO.
1 of 2 2606 9583

CLASS CODE 2-9520
PLT NO. REV 038 A

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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 PLANT

DOWNINGTOWN, PENNSYLVANIA 19335

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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
B. Dinerman
9-8-75

ORIGINAL RELEASE DATE

9-26-75

PAGE 1 OF 3

REVISIONS

LEVEL	DESCRIPTION	DATE	APPROVED
A	Initial Release <i>EC109 RB109</i>		
B	Revised per ECN 4448. Templates deleted.	12-3-75	<i>W. Spingler</i> <i>9/15</i>

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.

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COMPUTER SYSTEMS GROUP

DOWNINGTOWN PLANT

DOWNINGTOWN, PENNSYLVANIA 19335

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NUMBER

2606 3909

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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 9-2-72
 ECN 1180 CCF 11-5-72
 ECN 1214 CCF 1-11-72
 ECN 1338 CCF 1-11-72
 ECN 3507 11-18-72

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	
1-1	26	RED	P1	1	WIPE WRAP	P3	13	WIPE WRAP	PRINT/	1-26	26	RED	P1	26	WIPE WRAP	P2	29	WIPE WRAP	GRD
2				2		P2	35		READCHK/	27				27		P2	24		READY/
3				3		P3	35		PUNCHK/	28				28		P2	4		RDIAL/
4				4		P2	13		RDICL/	29				29		P3	45		PTRL/
5				5			22		RDIII/	30				30		P2	39		GRD
6				6			6		GRD	31				31		P3	41		PRIEHP/
7				7			3		RDIZL/	32				32		P3	4		PPIAL/
8				8			2		RDII/	33				33		P2	1		SCCL/
9				9			11		RDIAL/	34				34		P3	2		PPI/
10				10			17		GRD	35				35		P2	33		XERC/
11				11			21		RDIIOL/	36				36		P2	40		GRD
12				12		P2	15		RD19L/	37				37		P2	31		CLEAR/
13				13		P3	21		SSIL/	38				38		P2	5		RDIBL/
14				14		P3	22		SS2L/	39				39		P2	32		RDINAVL/
15				15		P3	12		PPIBL/ PUNCH/	40				40		P2	50		GRD
16				16		P2	18		GRD	41				41		P3	5		PPIBL/
17				17		P2	12		RDIBL/	42				42		P3	3		PPI2L/
18				18		P3	42		SECEHP/	43				43		P2	13		CLPRUBI/
19				19		P2	34		RD3FRFL/	44				44		P2	14		RDIDL/
20				20		P2	28		GRD	45				45		P3	23		SS4L/
21				21		P2	23		RDIZL/	46				46		P3	32		PPINL/
22				22		P3	14		INHINF/	47				47		P2	45		OPALERT/
23				23		P2	44		OPREQ/	48				48		P3	50		GRD
24				24		P3	15		SPRINL/	49				49		P3	34		LDPRBFR/
1-25	26	RED	P1	25	WIPE WRAP	P3	11	WIPE WRAP	PPIAL/	1-50	26	RED	P1	50	WIPE WRAP	P2	25	WIPE WRAP	CCL/

NOTES:

31

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

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

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				P3	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:

32	DRAWN	J. SCHLENNER	DATE	9-11-72	Burroughs Corporation COMPUTER SYSTEMS GROUP DOWNTOWN PA 19335 DOWNTOWN PLANT U.S. AMERICA
	CHECKED	<i>R.W.</i>	DATE	9-12-72	
	DSGN OR ENGR	<i>R.W.</i>	DATE	9-19-72	
	APPROVED	<i>R.W.</i>	DATE	9-23-72	
TITLE WIRE LIST ADAPTER CABLE ASSY - 96 COL. 8711 TO A9419-2					SHEET 3 OF
PROPRIETARY TO BURROUGHS CORP. - NOT TO BE REPRODUCED, NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT					DWG NO 1449 1252

DWG NO.
1449 1252

SHEET **4** OF


RELEASED

A ECN1105 CKF 10-6-72
 B ECN1136 CKF 10-27-72
 C ECN1180 CKF 11-05-72
 D ECN1214 CKF 12-28-72
 E ECN1338 CKF 1-22-79

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
3-1	26	RED	P1	27	WIRE WRAP	P3	24	WIRE WRAP								
2			P1	50		P3	25									
3			P1	37		P3	31									
4			P1	35		P3	33									
5			P2	28		P2	30									
6			P2	36		P2	46									
7			P3	27		P3	37									
8	26	RED	P3	07	WIRE WRAP	P3	17	WIRE WRAP								
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																
25																

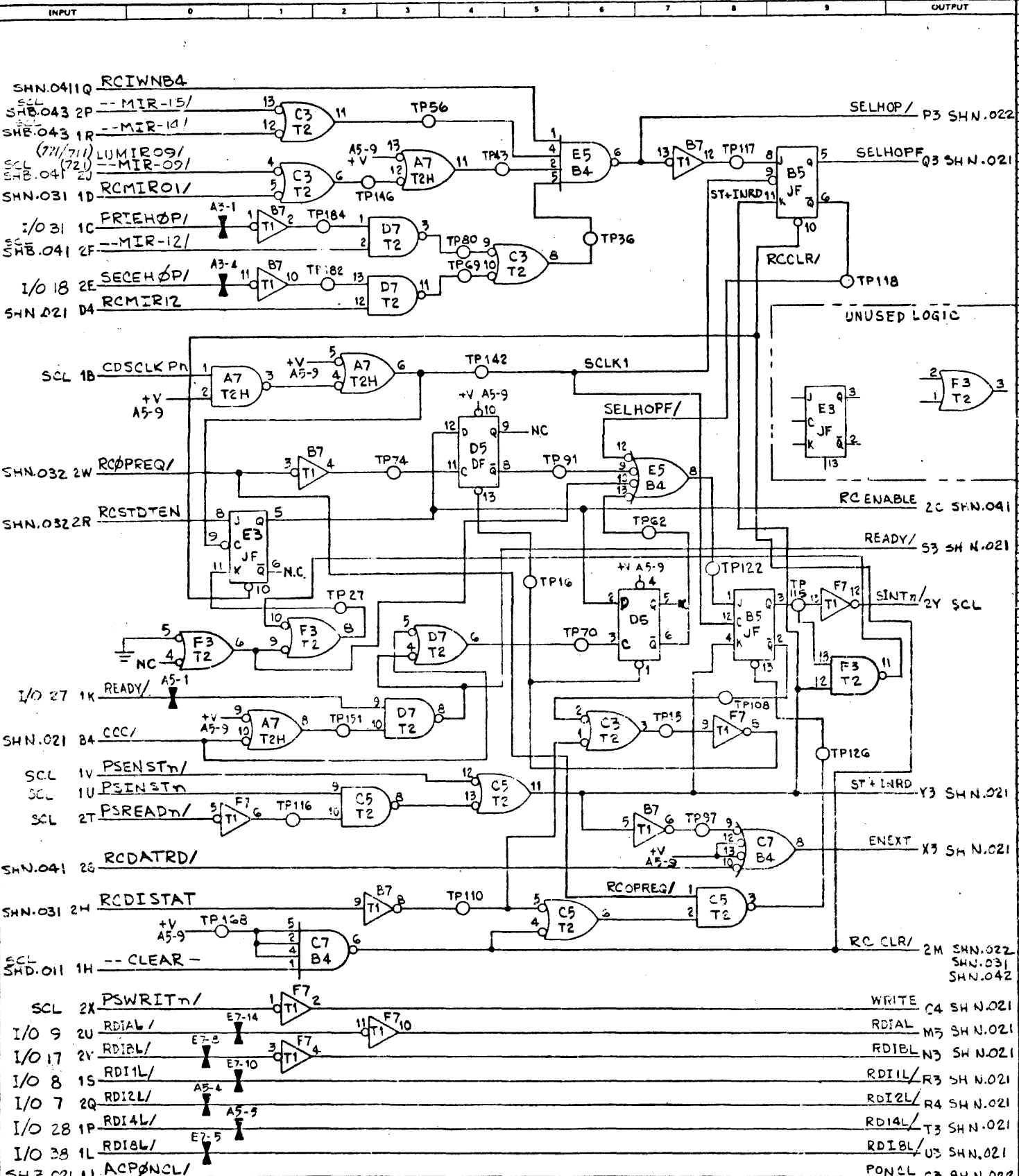
NOTES:

33

DRAWN J. SCHLENNER	DATE 9-11-72	Burroughs Corporation  COMPUTER SYSTEMS GROUP DOWNINGTOWN PA 19335 DOWNINGTOWN PLANT U.S. AMERICA
CHECKED R. WEAVER	DATE 9-11-72	
DSGN OR ENGR E. FOGUSCH	DATE 9-19-72	TITLE WIRE LIST ADAPTER CABLE ASSY - 96 COL B711 TO A9419-2
APPROVED W.W.T.	DATE 9-21-72	SHEET 4 OF
		DWG NO 1449 1252

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

SCHEMATIC



SHN.011

Burroughs Corporation
MAGNETIC SYSTEMS PLANT
DOWNTOWN PA 19336

PRODUCTION

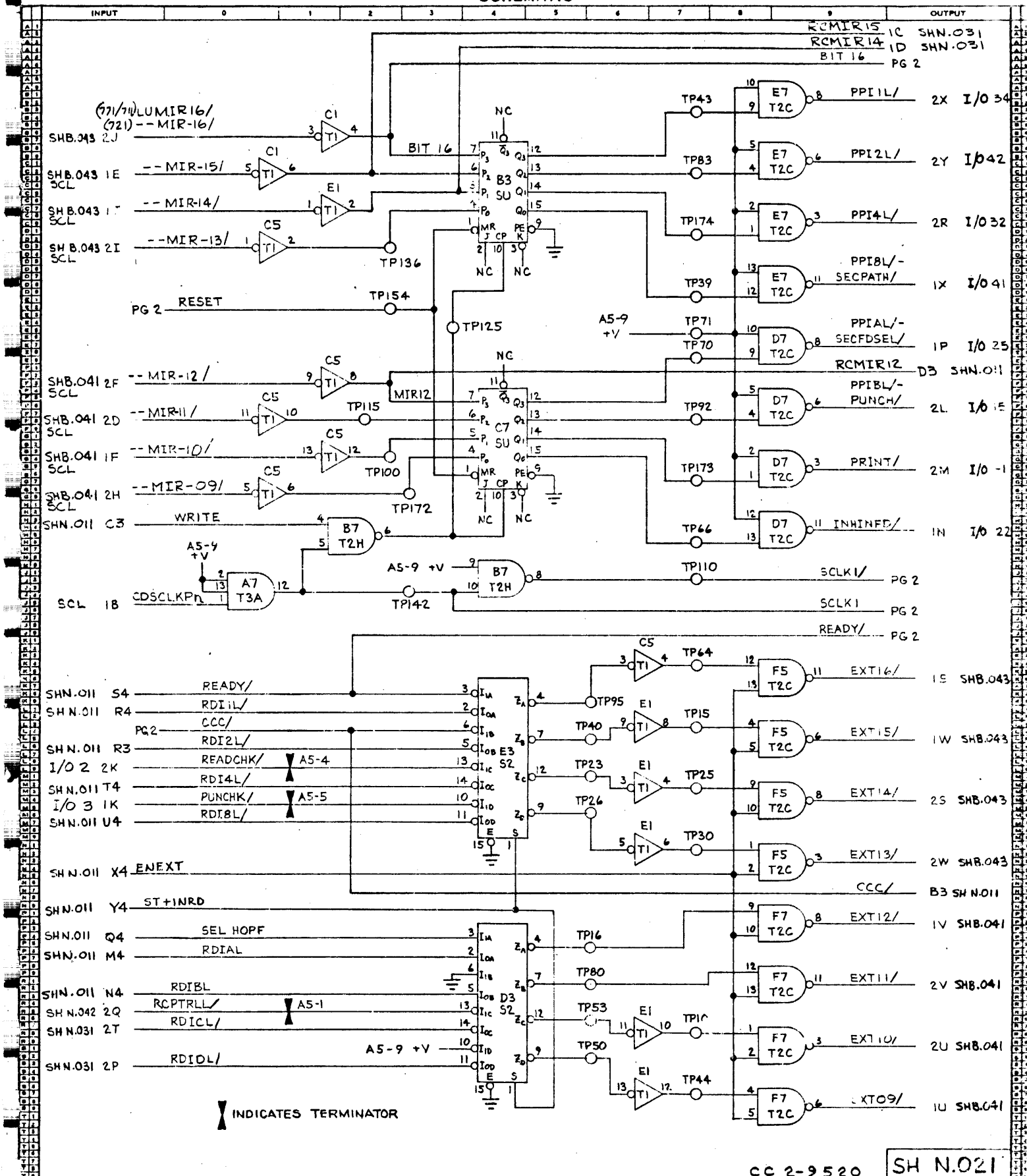
TITLE RC1 9610 CONTROL
SYSTEM B700
DRAWN J. SCHLENGER
APPROVED
7-7-72

CHECKED
RELEASED 7-6-72
DWG. NO. 1448 8266
PAGE 1 OF 1
REV. LETTER E CHN 4808
CH 3 1 72
PRINTED IN U.S.A.

34

34

SCHEMATIC



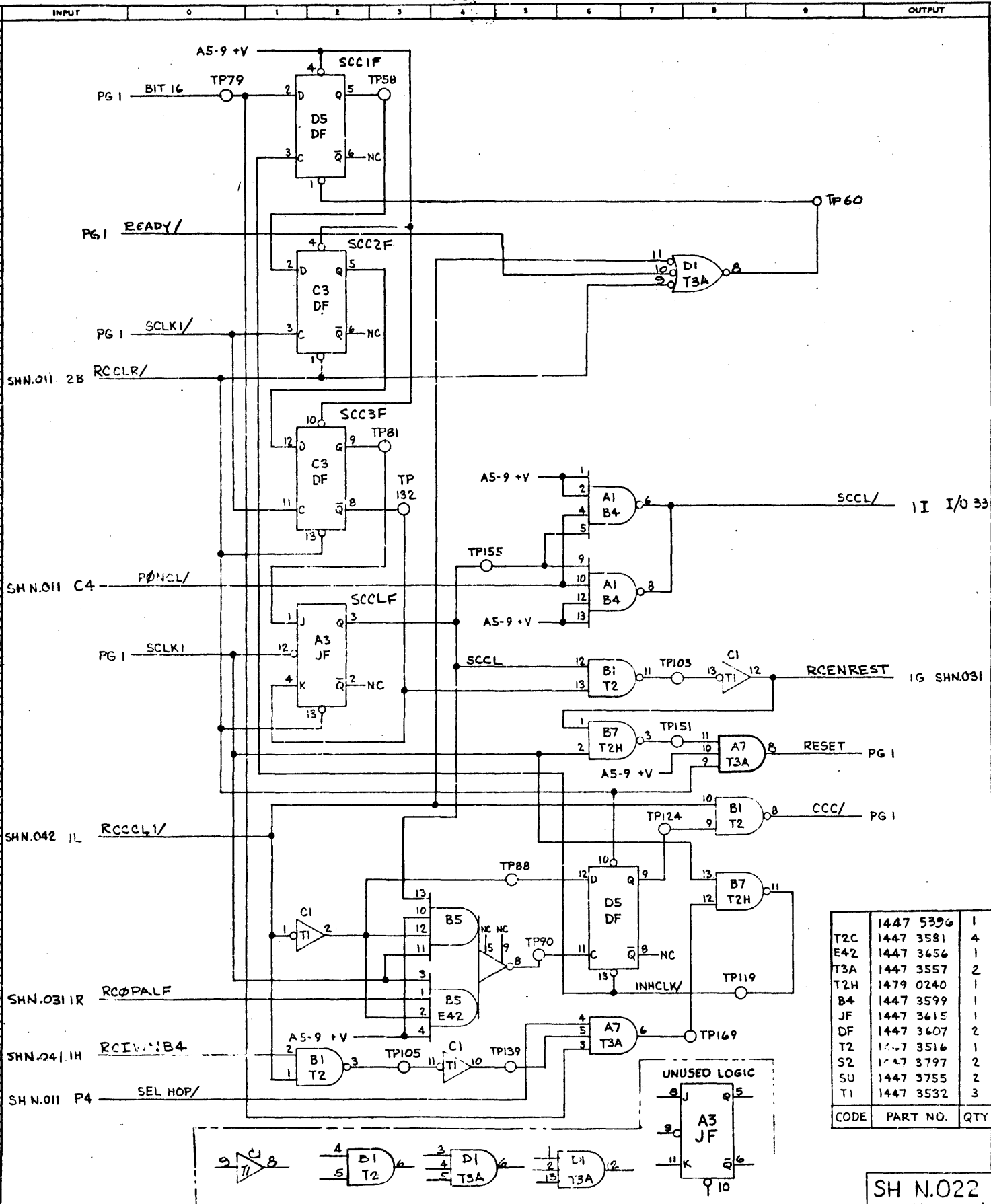
INDICATES TERMINATOR

CC 2-9520 SH N.021

Burroughs Corporation
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TITLE RC2 9610 DATA 9
 SYSTEM 8700
 DRAWN [] CHECKED C. ST. JOHNSON PAGE 1 OF 2
 APPROVED B. DINERMAN RELEASED 11-22-71 REV. LETTER N EGN 4859
 11-11-71 10-27-71 11-22-71 11-22-71

SCHMATIC



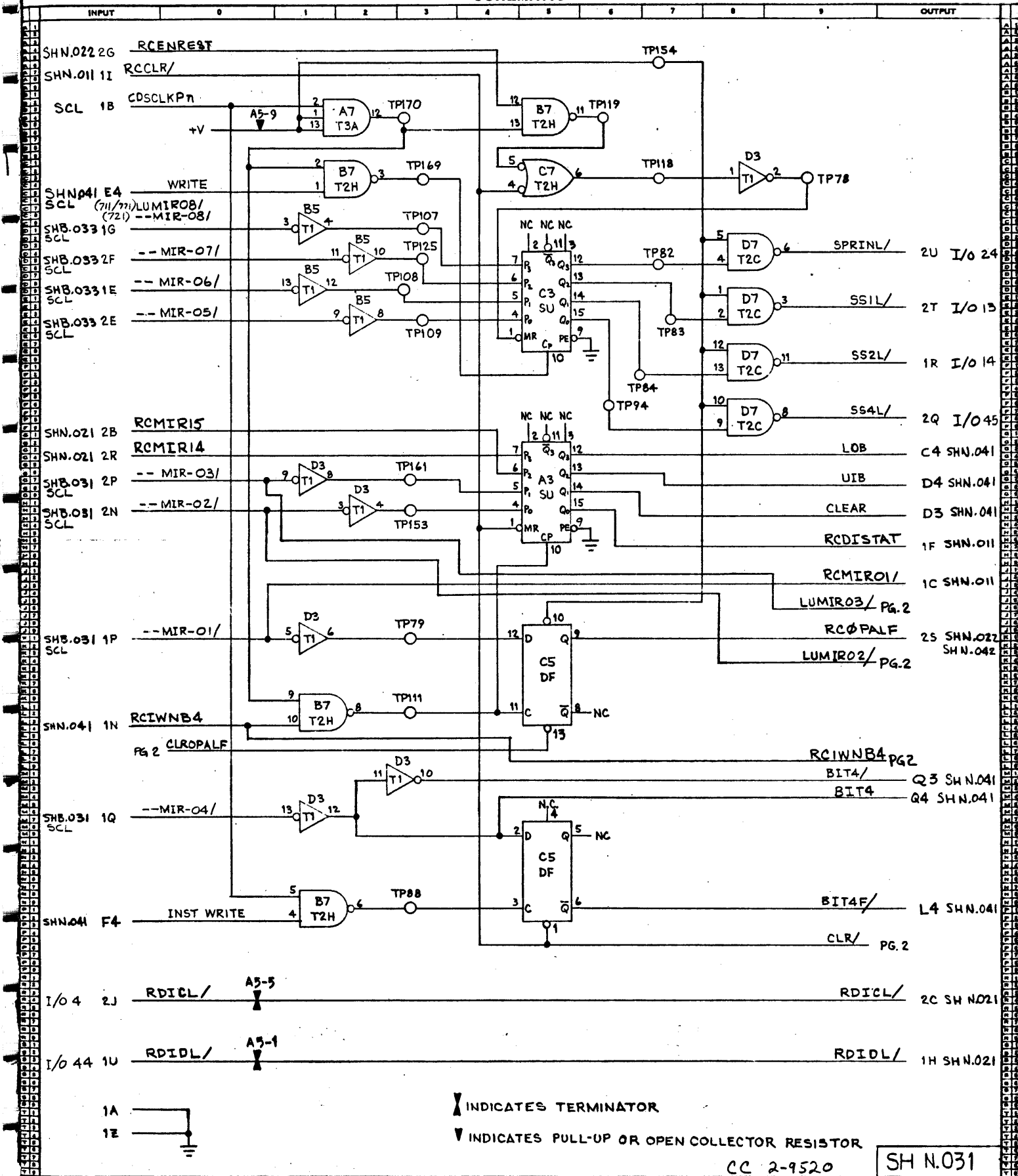
T2C	1447 5396	1
E42	1447 3456	4
T3A	1447 3557	2
T2H	1479 0240	1
B4	1447 3599	1
JF	1447 3615	1
DF	1447 3607	2
T2	1447 3516	1
S2	1447 3797	2
SU	1447 3755	2
T1	1447 3532	3
CODE	PART NO.	QTY

SH N.022

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TITLE RC2 9610 DATA 9
 SYSTEM B700
 DRAWN CHECKED C. S. WILSON
 APPROVED B. DINERMAN RELEASED 11-22-71
 L.H.A. 10-27-71
 CK. PART 10 11 DWG. NO. 1447 8356
 PAGE 2 OF 2
 REV. LETTER N ECN 4859
 1A 4-22-76

SCHEMATIC



▲ INDICATES TERMINATOR
 ▼ INDICATES PULL-UP OR OPEN COLLECTOR RESISTOR

CC 2-9520 SH N.031

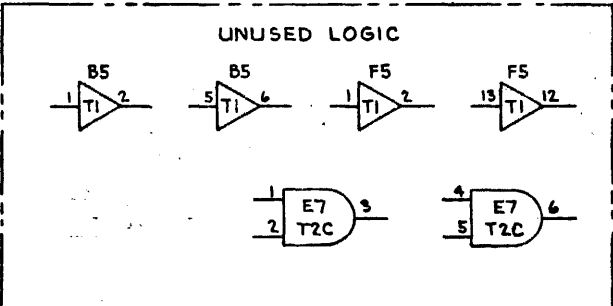
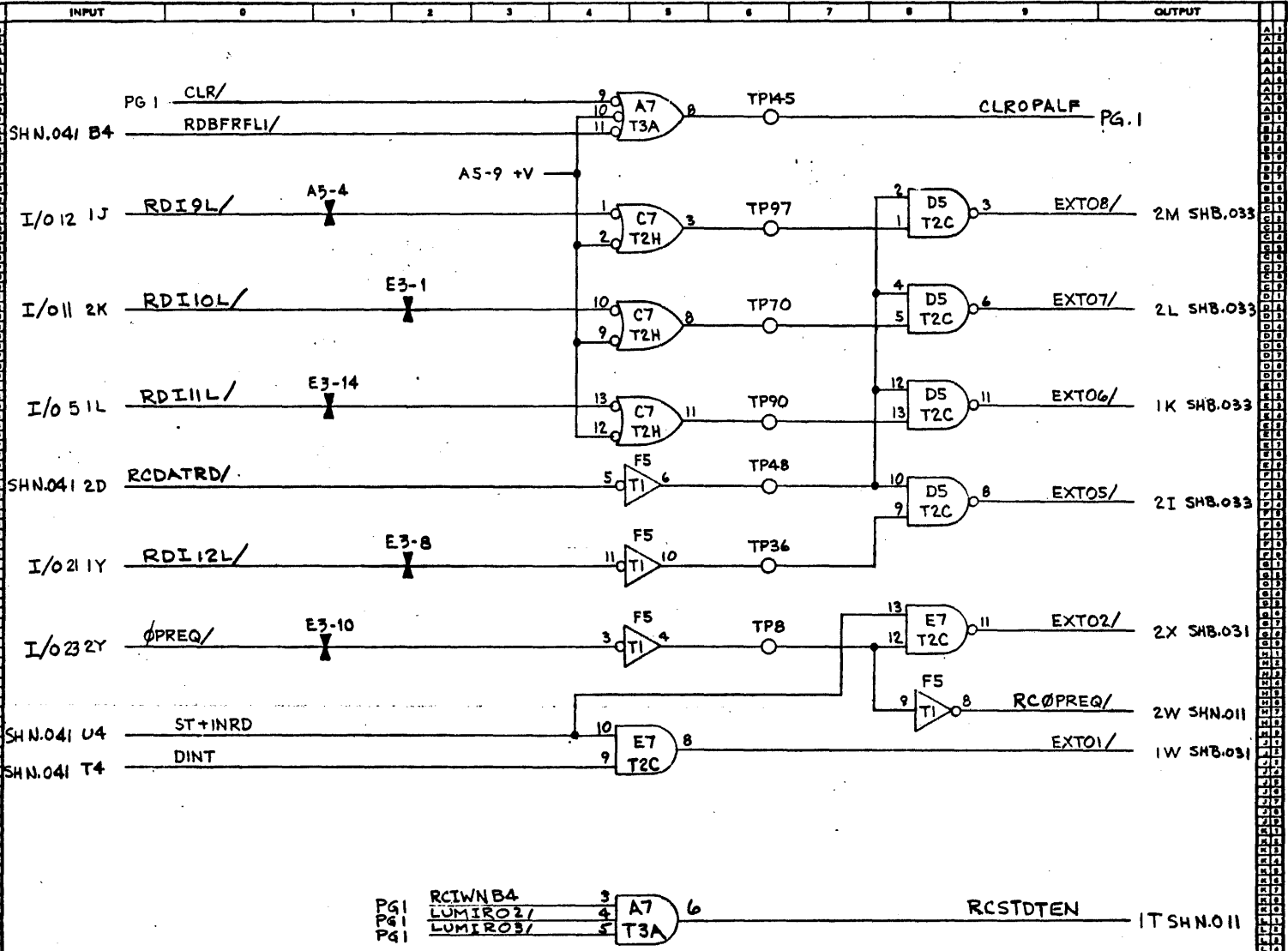
Burroughs Corporation
 MAGNETIC SYSTEMS PLANT
 DOWNTOWN, PA 19326

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 5996	2
T2H	1447 3755	2
T2C	1479 0240	2
T1	1447 3581	3
T1	1447 3532	3
T3A	1447 3557	1
DF	1447 3607	1
CODE	PART NO.	QTY

SHN.032

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

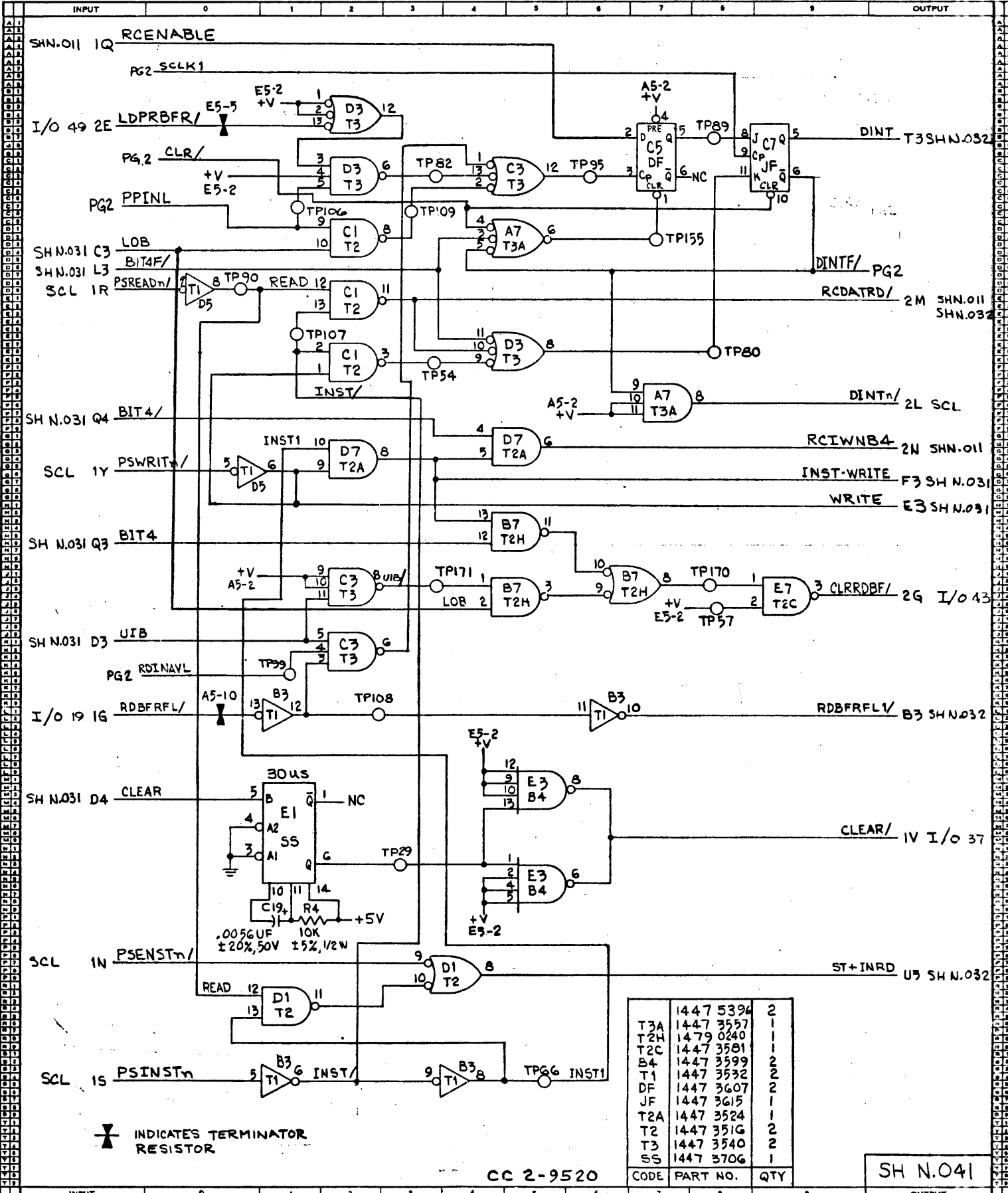
Burroughs Corporation
 MAGNETIC SYSTEMS PLANT DOWNINGTOWN, PA 19330
 PROPERTY OF BURROUGHS CORP.—NOT TO BE REPRODUCED NOR USED FOR WARE-
 FACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN COMMENT

PRODUCTION

TITLE RC3 READER CONTROL No. 3
 SYSTEM B 700
 DRAWN APPROVED
 CHECKED RELEASED 7-6-72

DWG. NO. 1448 8274
 PAGE 2 OF 2
 REV. LETTER F 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

CODE	PART NO.	QTY	SH N.041
------	----------	-----	----------

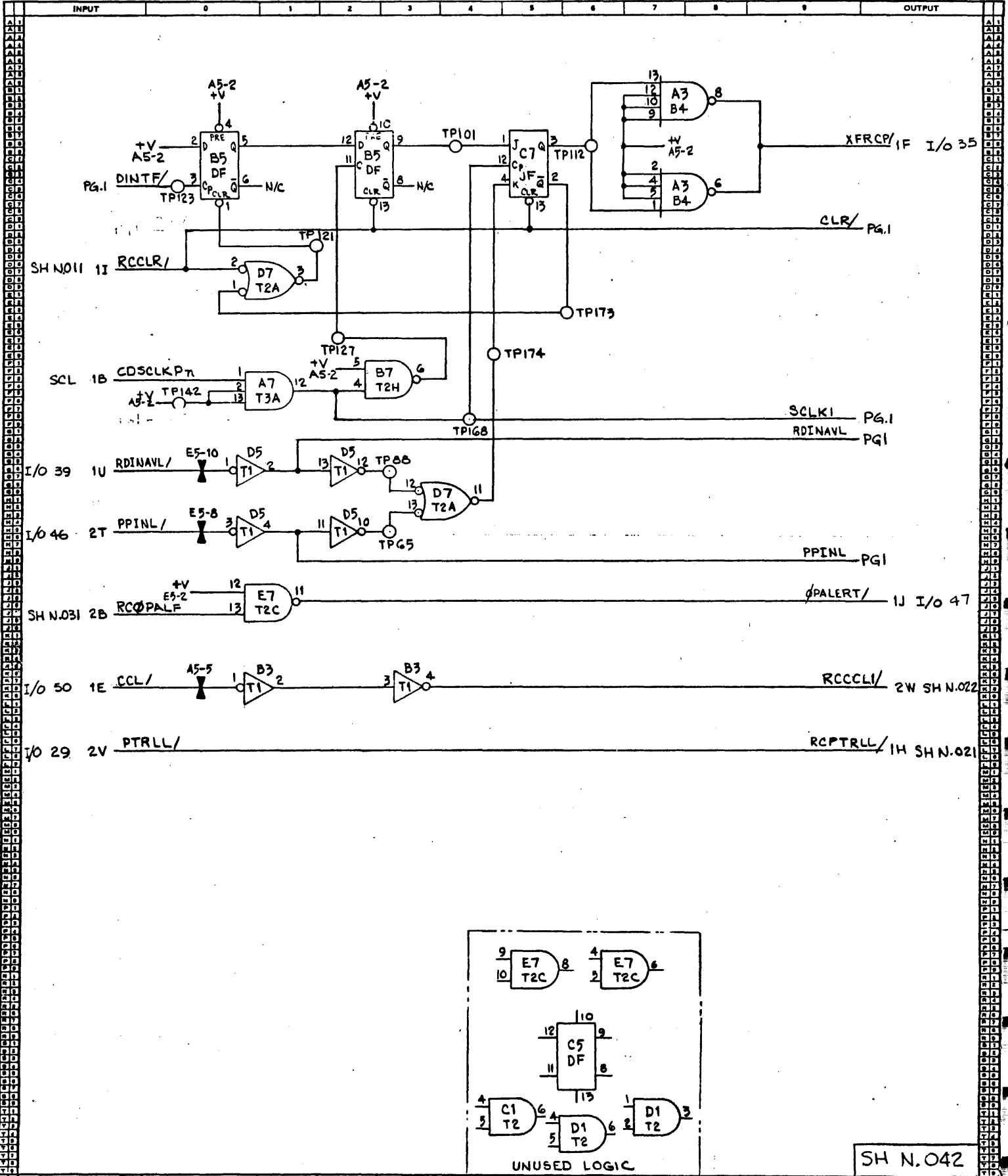
CC 2-9520

Burroughs Corporation
 MAGNETIC SYSTEMS PLANT DOWNINGTOWN, PA 19338
 PROPERTY OF BURROUGHS CORP.—NOT TO BE REPRODUCED FOR USE FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN COMMENT

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 3507
 11-16-74 4FT

SCHEMATIC

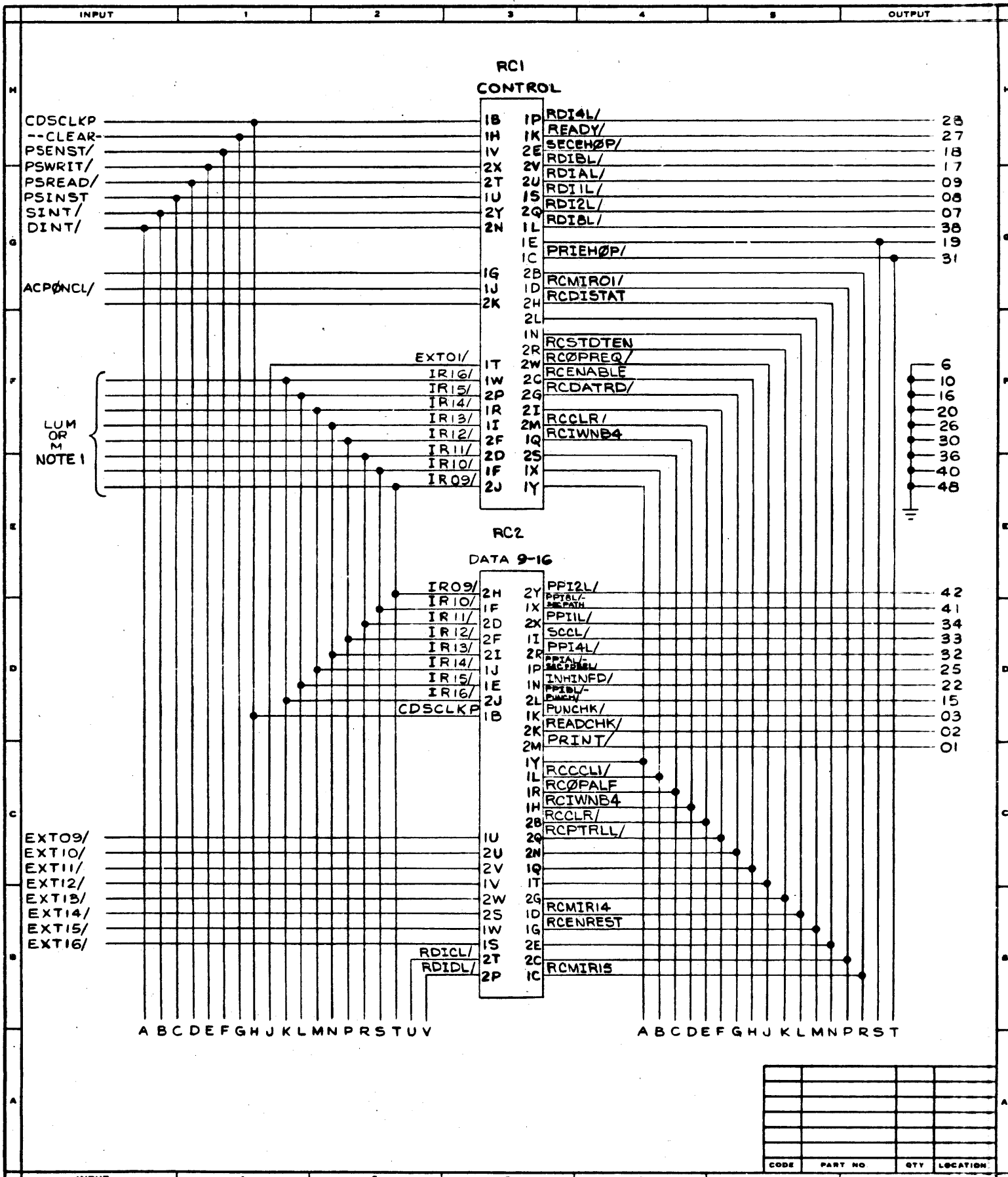


SH N.042

Burroughs Corporation
 MAGNETIC SYSTEMS PLANT
 ROBINNINGTOWN, PA 19358

PRODUCTION

TITLE RC-4 9610 SPECIAL CONTROL
 SYSTEM B700
 DRAWN [Signature]
 APPROVED [Signature]
 CHECKED [Signature]
 RELEASED [Signature]
 DWG. NO. 1448 8308
 PAGE 2 of 2
 REV. LETTER D EGN 3507
 11-18-74. KFT



CODE	PART NO	QTY	LOCATION

Burroughs Corporation

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

REV A A
SH 1 2

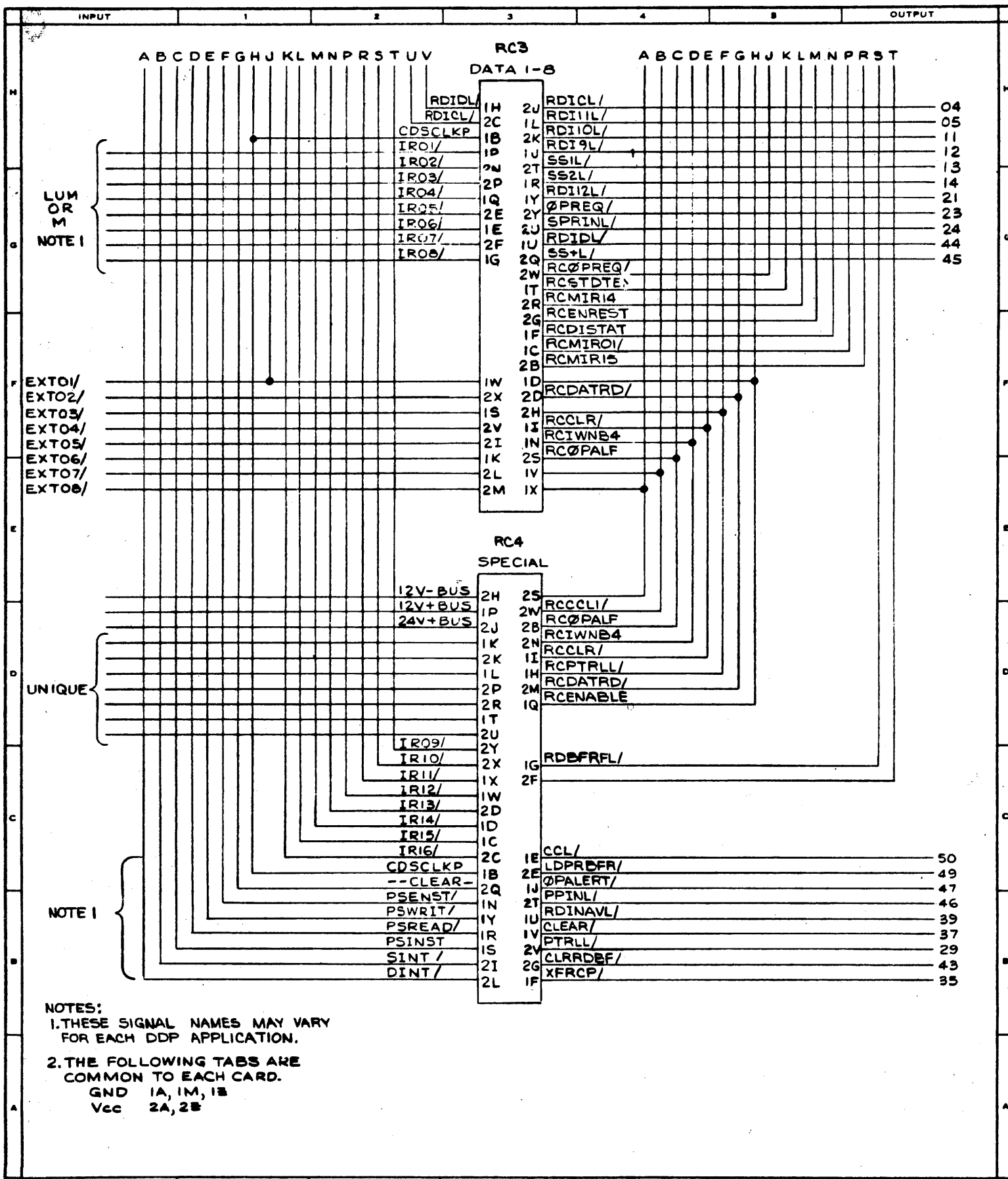
REVISIONS
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C
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R
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T
U
V
W
X
Y
Z

DRAWN: C. ZUTSKI DATE: 1-9-76
CHECKED: DATE: 1-20-76
APPROVED: DATE: 3-7-76

TITLE: DDP RC WIRING DIAGRAM CLASS CODE: 2-9520

SHEET: 1 of 2 DWG NO.: 2606 9658 PLTRG. REV: 038 A

PRINTED IN U.S. AMERICA



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. S. ...</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.

Burroughs Corporation



COMPUTER SYSTEMS GROUP

DOWNINGTOWN PLANT

DOWNINGTOWN, PENNSYLVANIA 19335

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CONSENT.

NUMBER

2606 3966

REV

B

PAGE 3 OF 3

- (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.

DWG NO. 2606 2299
 SHEET 1 OF 1
 8-11-75
 A RELEASED PER ERN 109 R 07
 B ECN 458 8/82 CAZ. 1-19-76

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	SIZE			COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION			
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											
15										40											
16										41											
17										42											
18										43											
19										44											
20										45											
21										46											
22										47											
23										48											
24										49											
25										50											

NOTES: 1. ◀ INDICATES TWISTED PAIR.

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

CC2-9520
 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 06
 ECN 4401 GB
 SH 1 & 2 10-27-75

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			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	ENDDPS/
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:

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

LA

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

Burroughs Corporation

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

TITLE WIRE LIST
 PROCESSOR TO CONSOLE CABLE - 60PCS

CC2-9520

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

SHEET	DWG NO
1 OF 2	2605 9790

DWG NO. 2605 9790
 SHEET 2 OF 2
 RELEASED PER ER # 109 REV 06
 ECN 4401 GS 10-14-75

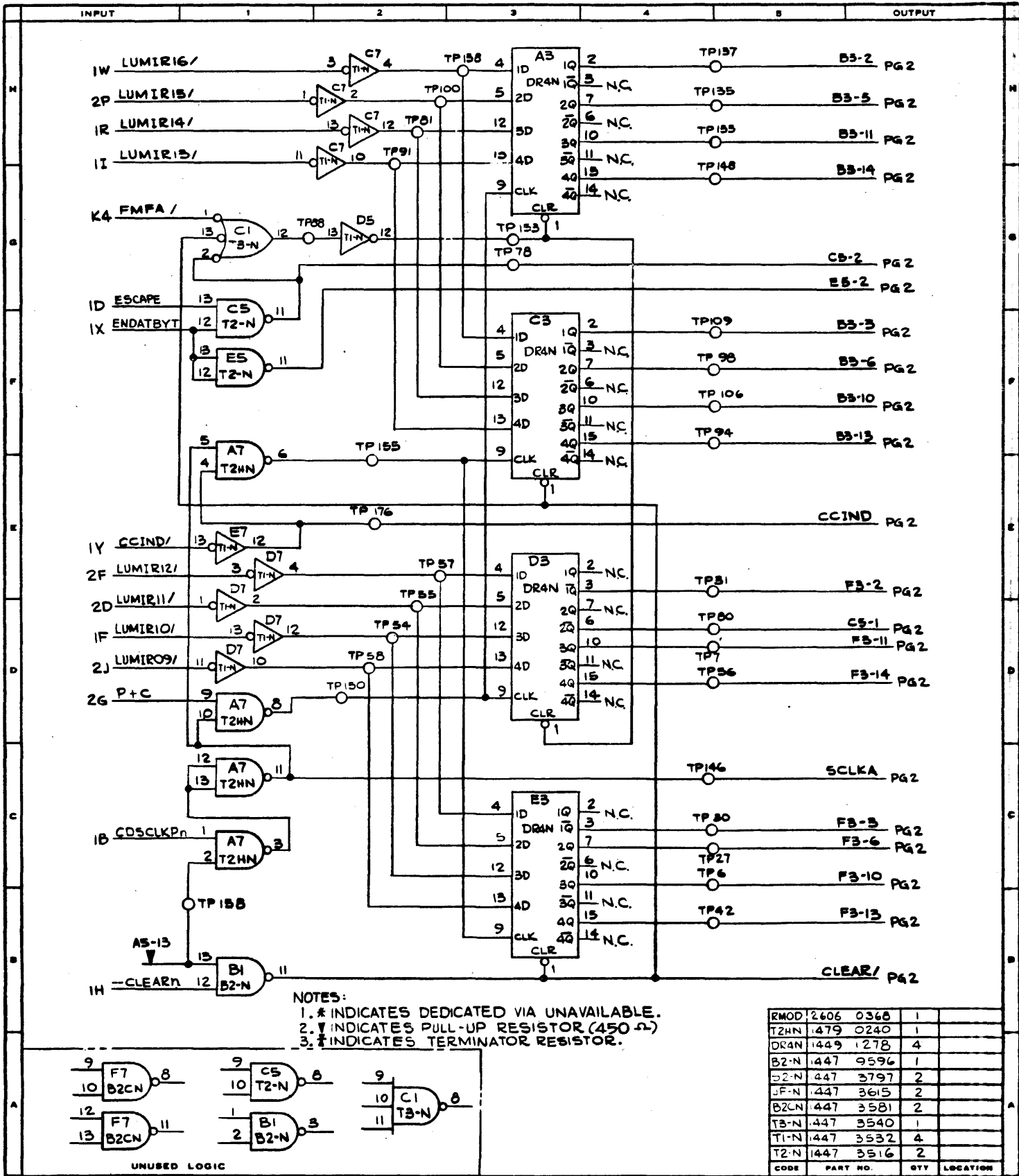
WIRE NO.	CONDUCTOR			FROM		TO		REMARKS	WIRE NO.	CONDUCTOR			FROM		TO		REMARKS	
	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL			TYPE OF TERMINATION	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES		TERMINAL
1	24	VIO	PI	31	1472 0726	P2	8	1472 0726	2-26	24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

NOTES:

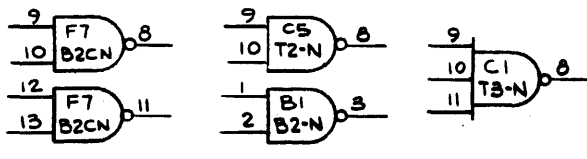
84

DRAWN H. BURHANS CHECKED <i>H. Burhans</i> DESG or ENGR <i>H. Burhans</i> APPROVED <i>H. Burhans</i>	DATE 7-10-75	Burroughs Corporation COMPUTER SYSTEMS GROUP DOWNTOWN PA. 19335 DOWNTOWN PLANT U.S. AMERICA
	DATE 7-24-75	
	DATE 8-4-75	
	DATE 1/4/76	
TITLE PROCESSOR TO CONSOLE CABLE - 60 CPS		SHEET 2 OF
DWG NO 2605 9790		

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



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



EMOD	2606	0366	1	
T2HN	1479	0240	1	
DR4N	1449	1278	4	
B2-N	1447	9596	1	
B2-N	447	3797	2	
JF-N	447	3615	2	
B2LN	447	3581	2	
T3-N	447	3540	1	
T1-N	447	3532	4	
T2-N	1447	3516	2	
CODE	PART NO.	QTY	LOCATION	

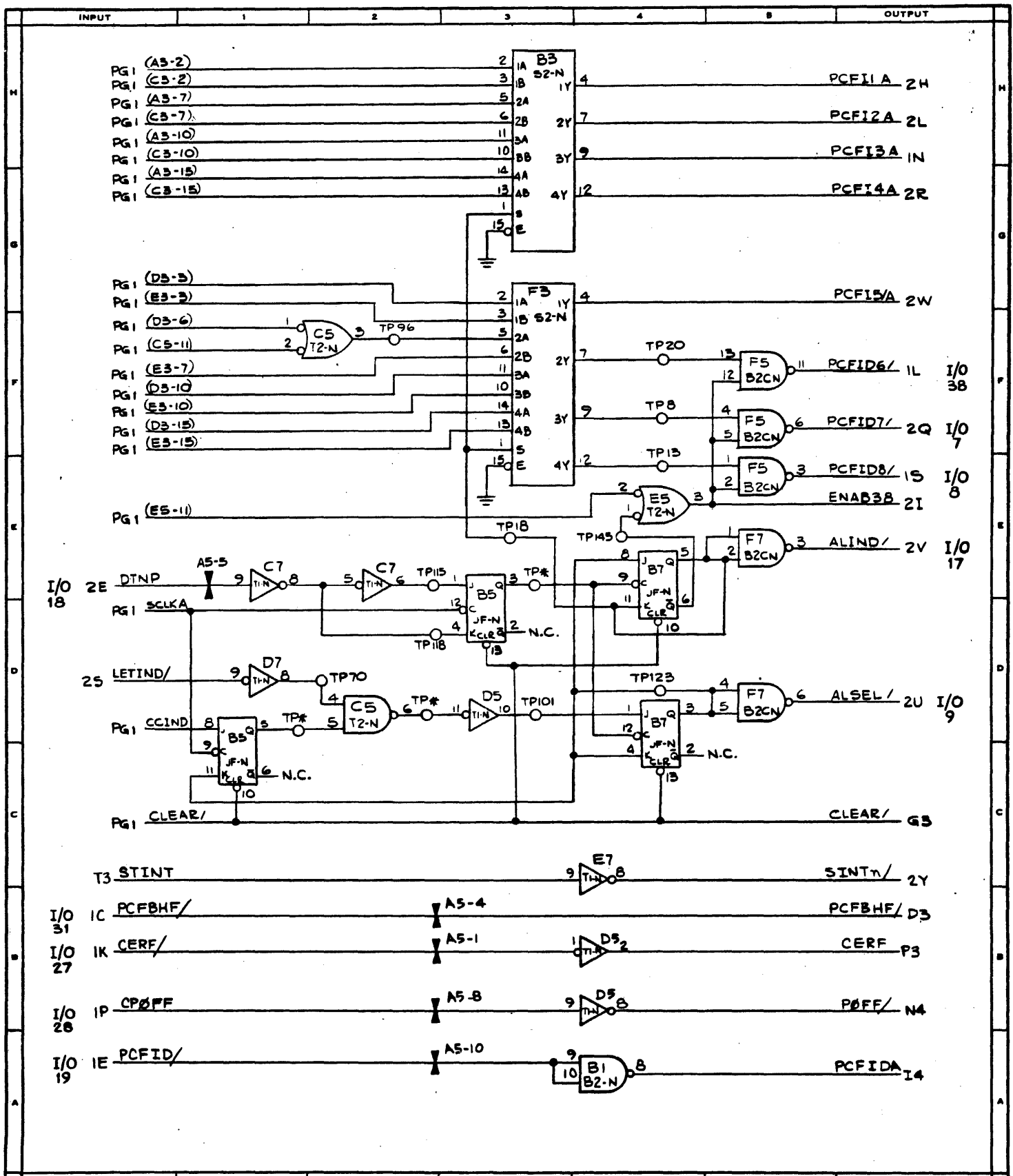
INPUT	1	2	3	4	5	OUTPUT
<p>Burroughs Corporation</p> <p>COMPUTER SYSTEMS GROUP DOWNTOWN PLANT DOWNTOWN, PA. 19335 U.S. AMERICA</p>						
REV	SH	C	CA			
1	2	3				
DATE	BY	TITLE	CLASS CODE			
8-29-75	A. TUREK	CS1	2-9520			
DATE	BY	SHEET	DWG NO.	PLT NO.	REV.	
9-2-75	P. B. GARDNER	1 of 3	2605 8966	038	C	
DATE	BY					
7-7-78	E. B. GARDNER					

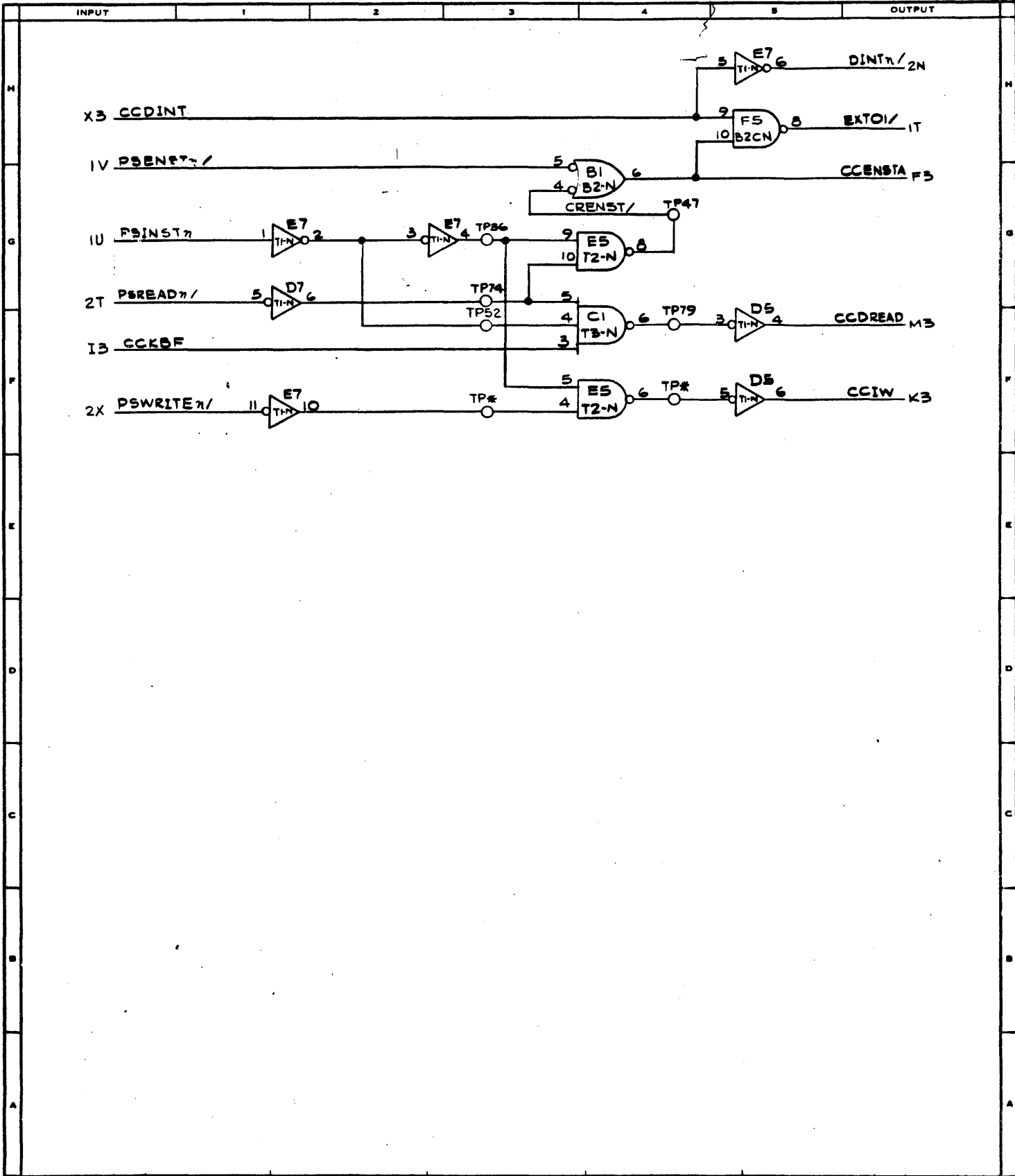
49

DRAWING 44-151-2887


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

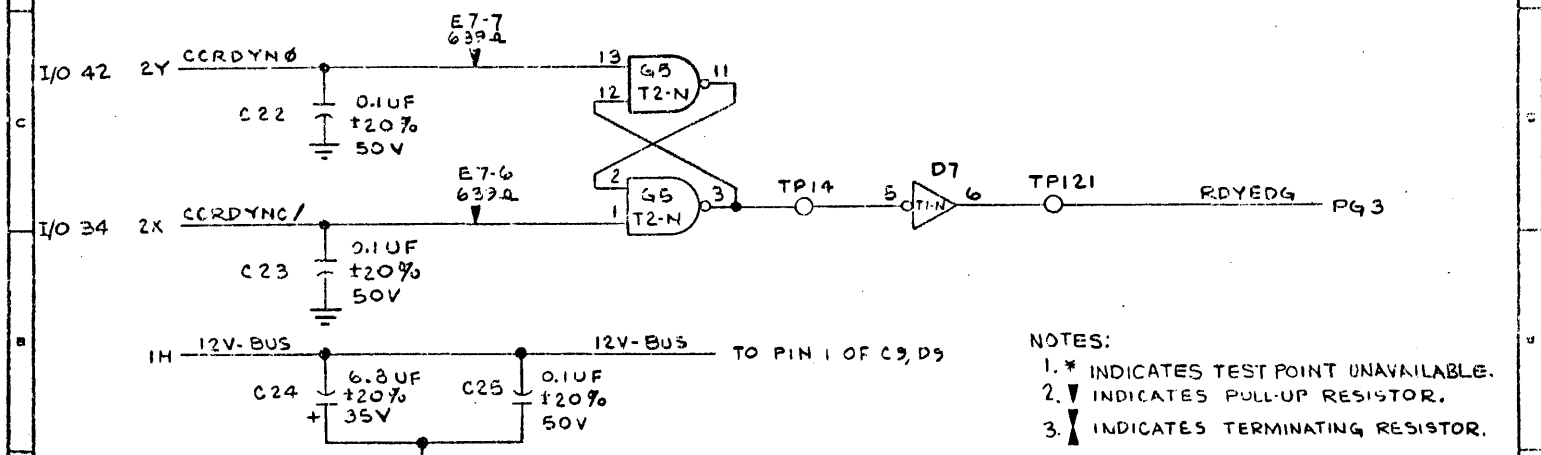
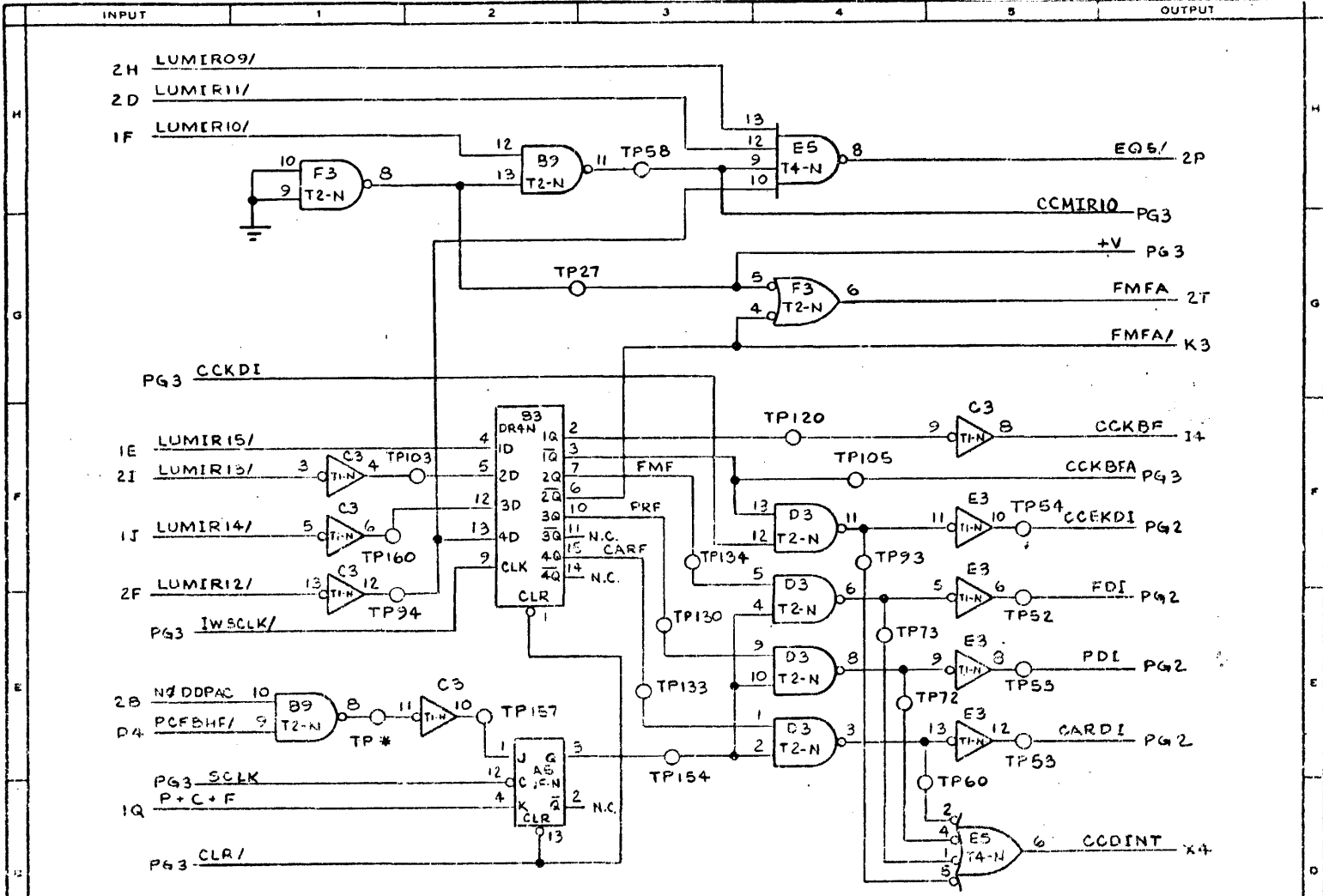
DN 15 NOV 1975





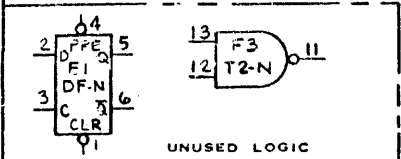
DRAWING 44-124 28007

Burroughs Corporation  COMPUTER SYSTEMS GROUP DOWNINGTOWN PLANT DOWNINGTOWN, PA. 19328 U.S. AMERICA		REVISIONS <div style="text-align: right; font-size: 2em; font-weight: bold;">51</div>	TITLE CSI	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 3		DWG. NO. 2605 8766	PLY. NO. 038



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

DF-N	1447 3607	1		RMD	1447 5396	2	
FFOI	1448 9165	2		T4-N	1447 3565	1	
S2-N	1447 3797	2		E2CN	1447 3581	2	
DRUN	1449 1260	1		T2-N	1447 3516	5	
DR4N	1449 1278	2		JF-N	1447 3615	3	
T2HN	1479 0240	1		T5AH	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 DOWNINGTOWN PLANT
 DOWNINGTOWN, PA. 19335 U.S. AMERICA

REV B B B
 SH 1 2 3

REVISIONS
 REL 1977
 ERM/STC
 10/1/77
 10/1/77

APPROVED
 1/1/78

DATE 6-27-77
 DATE 7/1/75

TITLE CS2

CLASS CODE 2-9520

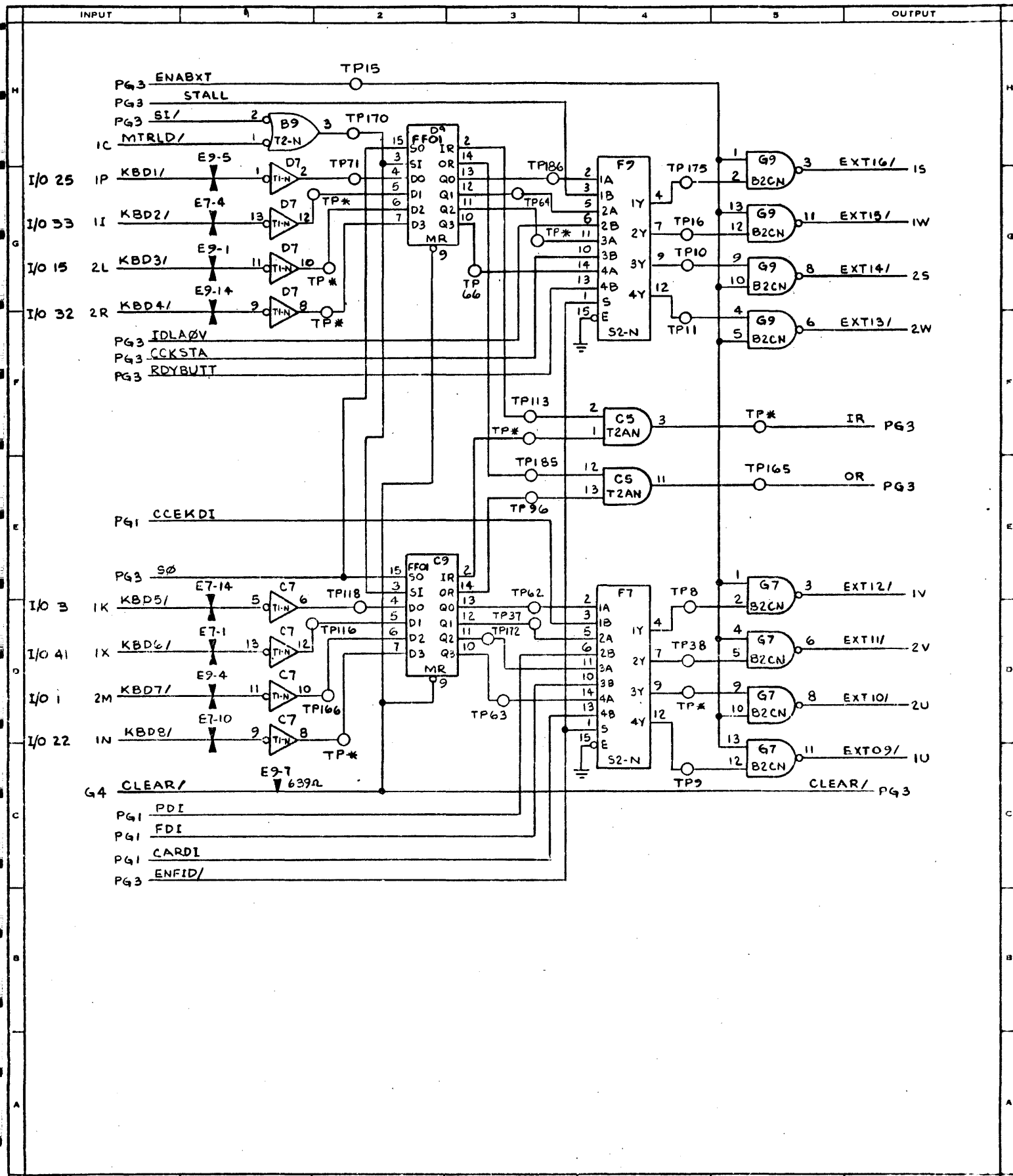
SHEET 1 of 3 DWG NO. 2605 8990

FLY NO. 038

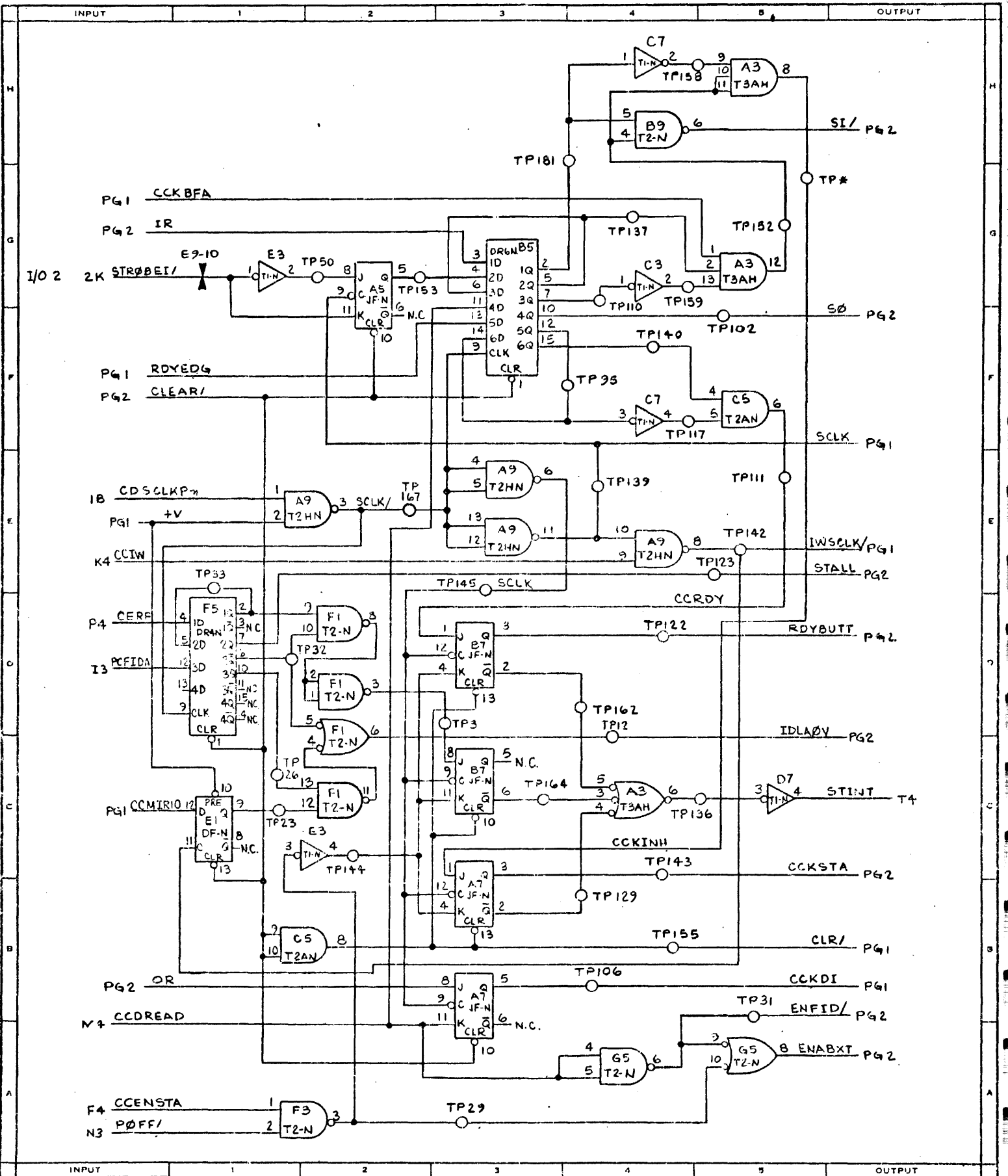
REV D

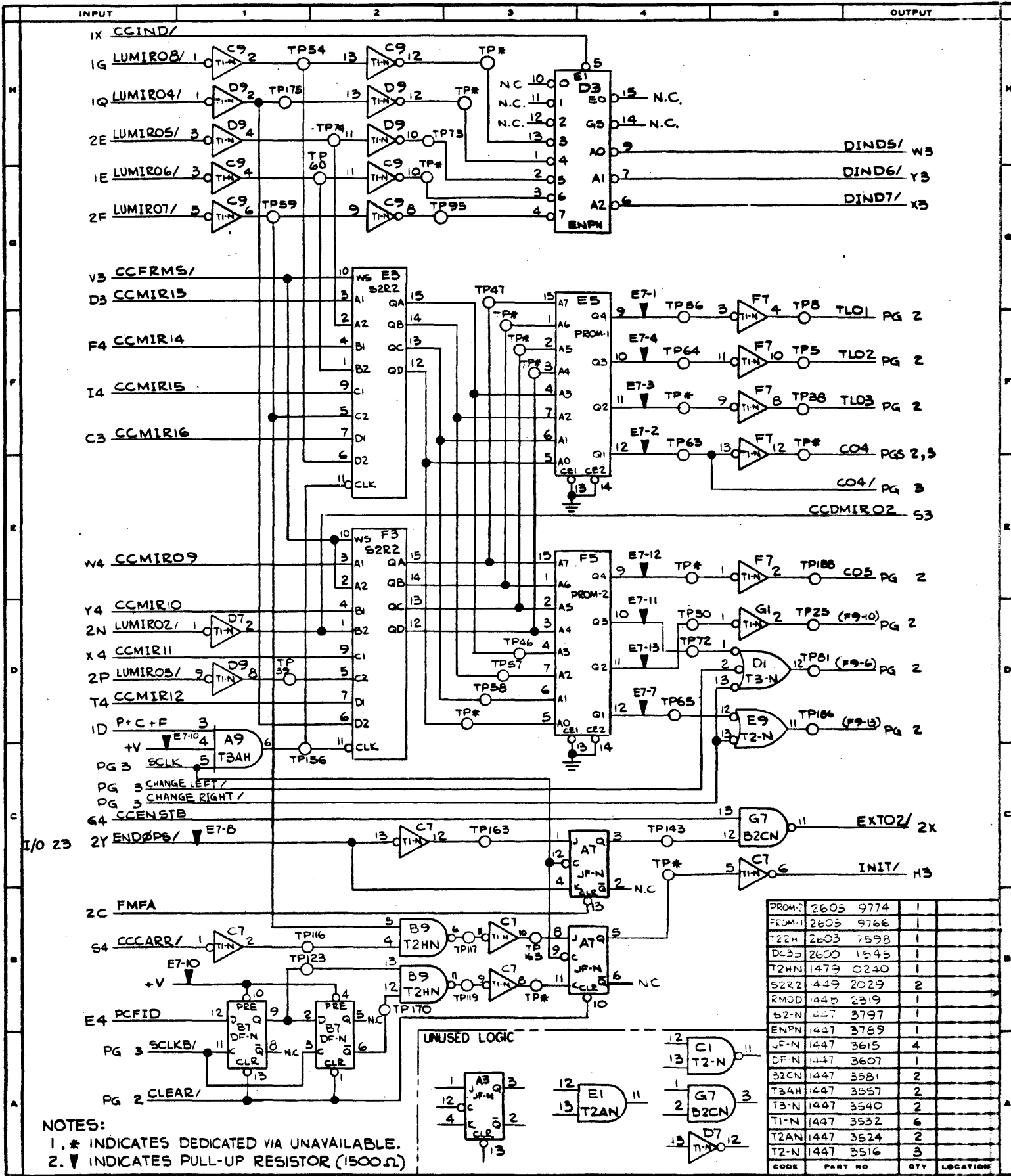
52

PRINTED IN U.S. AMERICA



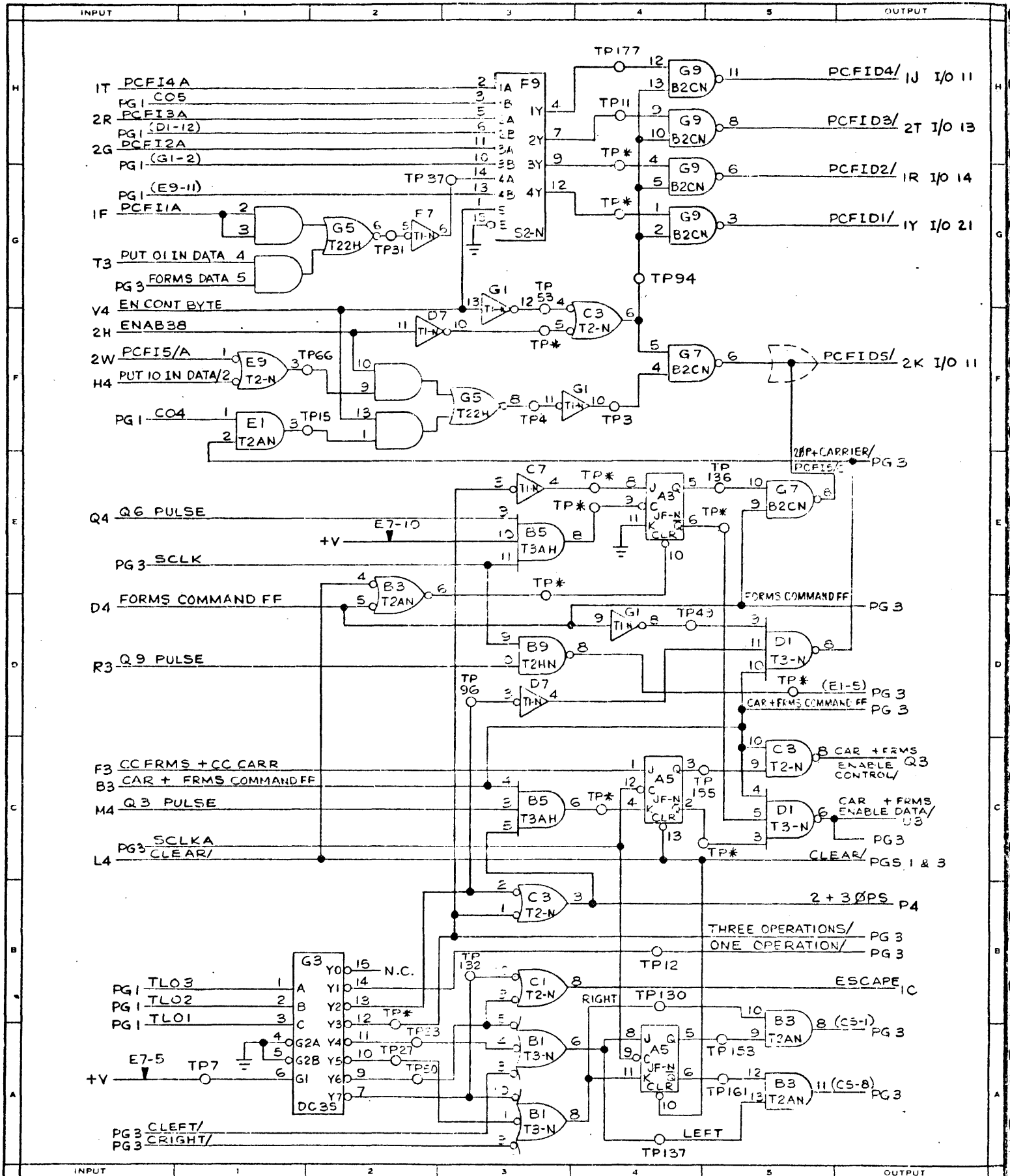
Burroughs Corporation <small>COMPUTER SYSTEMS GROUP DOWNTOWN PLANT DOWNTOWN, PA. 19335</small>	<small>DOWNTOWN PLANT U.S. AMERICA</small>	<small>REVISIONS</small>	<p style="font-size: 2em; font-weight: bold; margin: 0;">53</p>	<small>TITLE</small> <p style="font-size: 1.2em; font-weight: bold; margin: 0;">CS2</p>	<small>CLASS CODE</small> <p style="font-size: 1.2em; font-weight: bold; margin: 0;">2-9520</p>
<small>PROPRIETARY TO BURROUGHS CORP. - NOT TO BE REPRODUCED, NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT</small>			<small>SHEET</small> <p style="font-size: 1.2em; font-weight: bold; margin: 0;">2</p>	<small>DWG NO.</small> <p style="font-size: 1.2em; font-weight: bold; margin: 0;">2605 8990</p>	<small>PLT NO</small> <p style="font-size: 1.2em; font-weight: bold; margin: 0;">038</p>
<small>PRINTED IN U.S. AMERICA</small>			<small>DATE</small> <p style="font-size: 1.2em; font-weight: bold; margin: 0;">12-74</p>	<small>REV</small> <p style="font-size: 1.2em; font-weight: bold; margin: 0;">B</p>	<small>CLASS CODE</small> <p style="font-size: 1.2em; font-weight: bold; margin: 0;">2-9520</p>





PROM:	2605	9774	1	
PROM-1	2605	9766	1	
T2H	2603	7598	1	
DC3D	2600	1545	1	
T2HN	1479	0240	1	
S2R2	449	2029	2	
RMOD	445	2319	1	
S2-N	1447	3797	1	
ENPN	1447	3789	1	
JF-N	1447	3615	4	
DF-N	1447	3607	1	
S2CN	1447	3581	2	
T34H	1447	3557	2	
T3-N	1447	3540	2	
T1-N	1447	3532	6	
T2AN	1447	3524	2	
T2-N	1447	3516	3	
CODE	PART NO.	QTY	LOCATION	

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



BRUNING 44131 25507

56 Burroughs Corporation

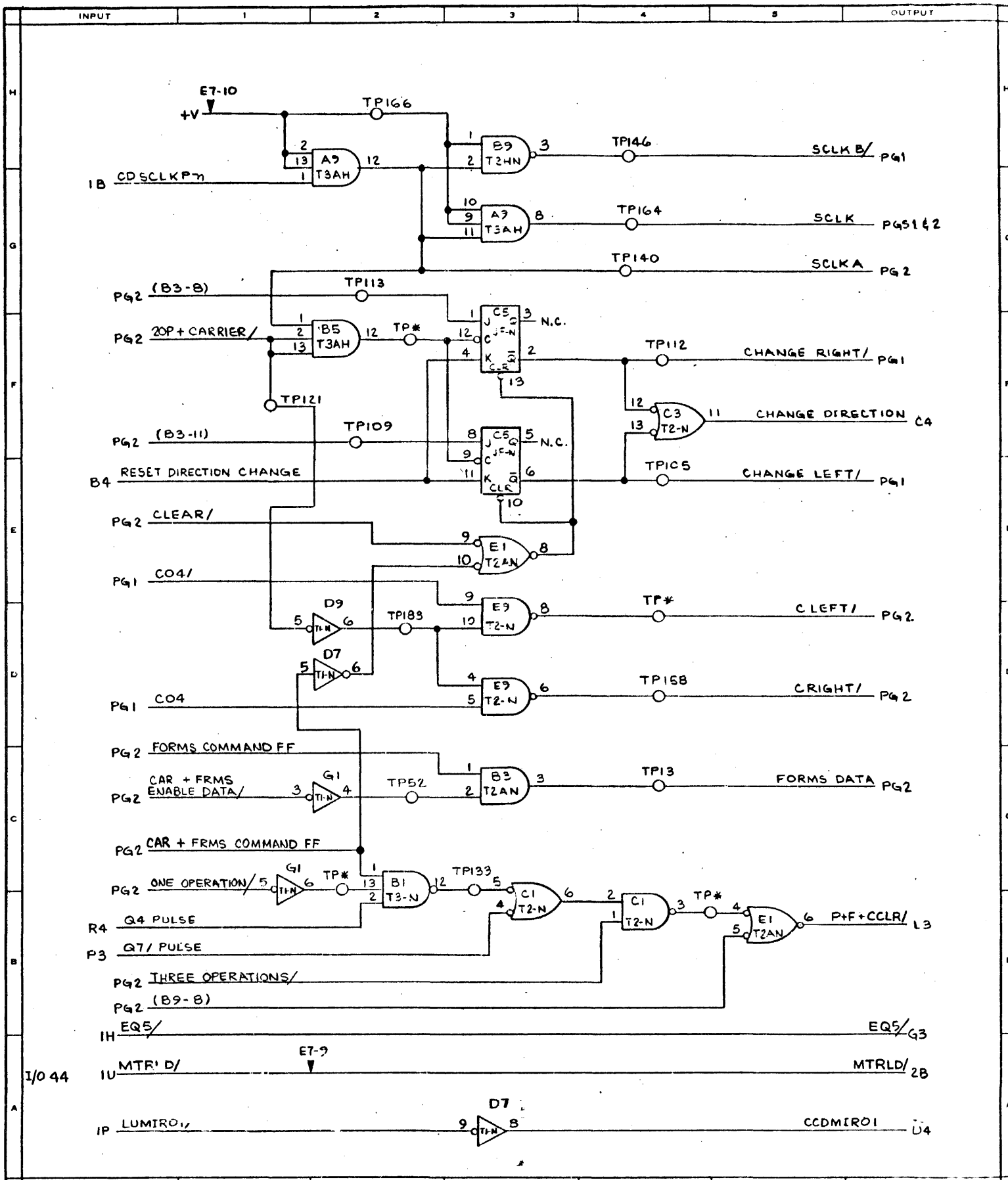
COMPUTER SYSTEMS GROUP DOWNTOWN PLANT
DOWNTOWN, PA 19335 U.S. AMERICA

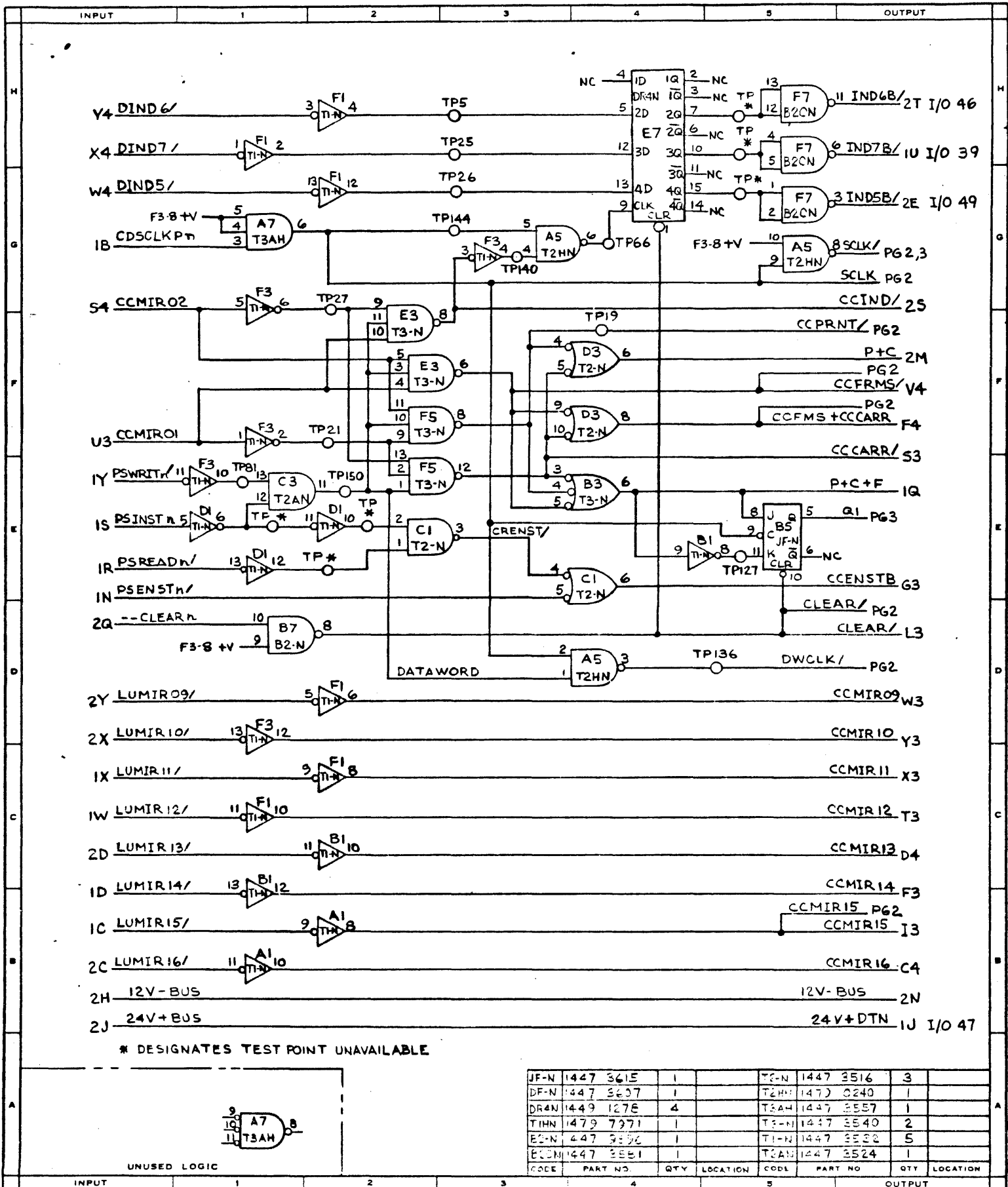
REVISIONS

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PRINTED IN U.S. AMERICA

56

TITLE		CLASS CODE	
CS3		2-9520	
SHEET	DWG NO	PLT NO	REV
2	2605 9022	038	1D





* DESIGNATES TEST POINT UNAVAILABLE



UNUSED LOGIC

JF-N	1447	3615	1		T2-N	1447	3516	3	
DF-N	1447	3607	1		T2HN	1470	0240	1	
DR4N	1449	1278	4		T3AH	1447	3557	1	
TIHN	1479	7971	1		T3-N	1447	3540	2	
EC-N	447	3556	1		TI-N	1447	3532	5	
BCN	1447	3551	1		T2AN	1447	3524	1	

58 Burroughs Corporation

COMPUTER SYSTEMS GROUP DOWNTOWN PLANT U.S. AMERICA

REV E F I D D

SH 1 2 3

REVISIONS: A REL 7-75, B REL 10-75, C REL 4-76, D ECN 4-76, E ECN 9-77

58

CLUBSCHOFF P 6-75

TITLE CS4

CLASS CODE 2-9520

DATE 10-75

SHEET 1 of 3

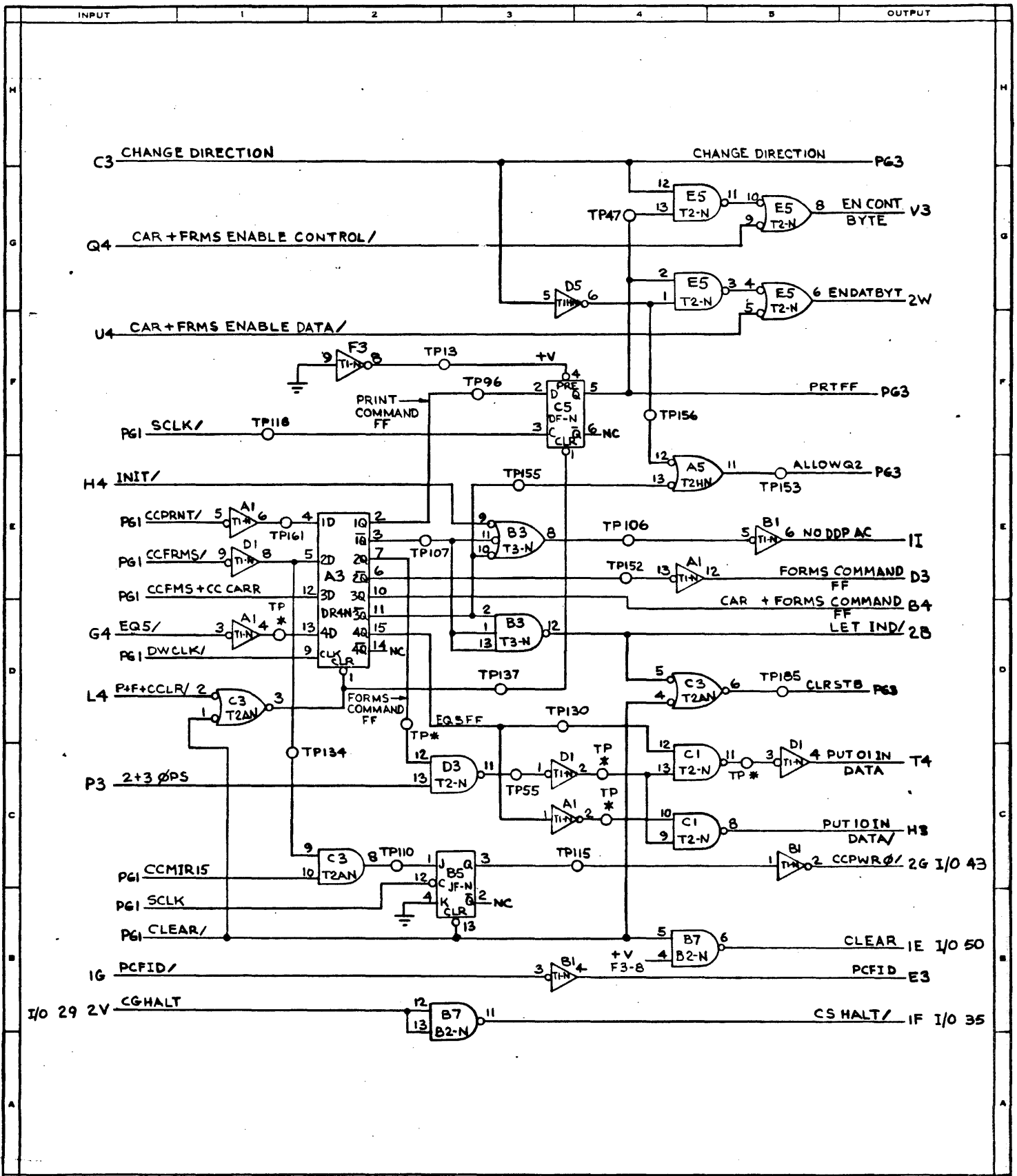
DWG NO 2605 9055

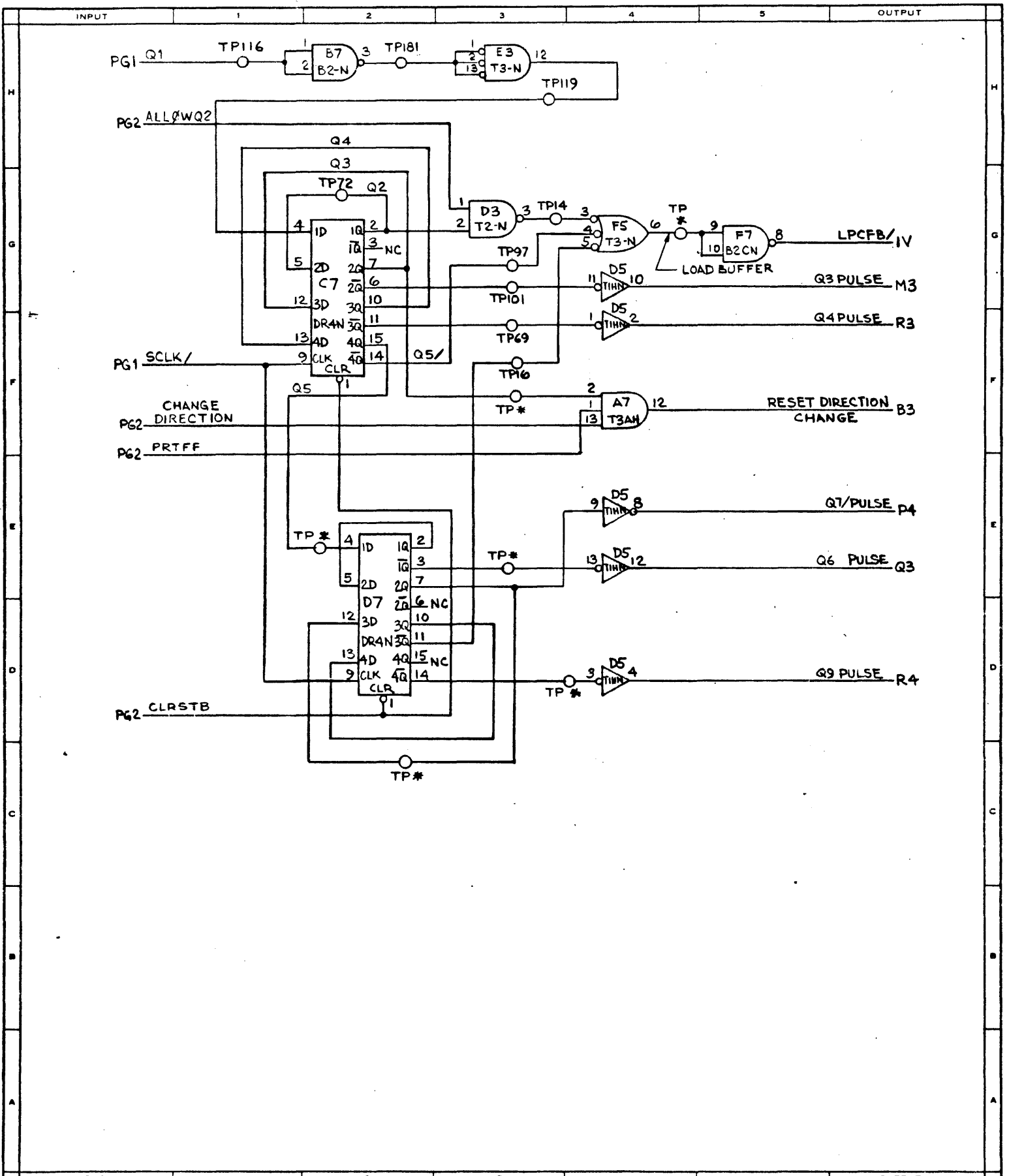
PLT NO 038

REV E


PRINTED IN U.S. AMERICA

DTN 98 REV 12-75





BRUNING 44.131.25507

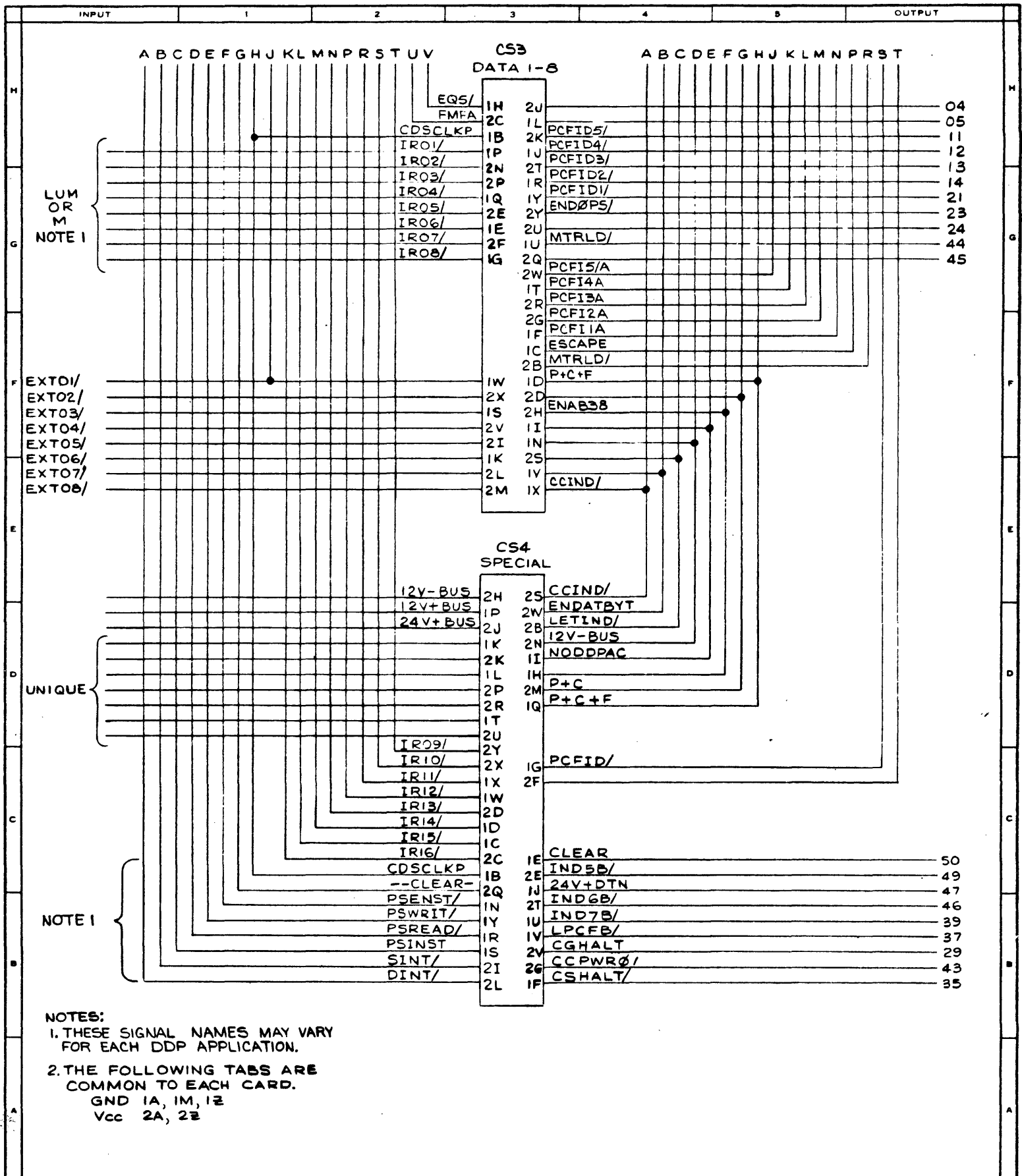
60 Burroughs Corporation 
 COMPUTER SYSTEMS GROUP DOWNTOWN PLANT
 DOWNTOWN PA. 19225 U.S. AMERICA

REVISIONS

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. AREA 1

60

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



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

62 Burroughs Corporation <small>COMPUTER SYSTEMS GROUP DOWNTOWN PLANT DOWNTOWN PA 19335 U.S. AMERICA</small>		REVISIONS		TITLE DDP CS WIRING DIAGRAM		CLASS 288E 2-9520	
<small>PROPRIETARY TO BURROUGHS CORP. - NOT TO BE REPRODUCED NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT</small>		<small>PRINTED IN U.S. AMERICA</small>		SHEET 2	DWG NO 2606 9591	PLT NO 038	REV A

Burroughs Corporation
SMALL SYSTEMS GROUP



DOWNINGTOWN PLANT
 DOWNINGTOWN, PENNSYLVANIA 19335

PROPRIETARY TO BURROUGHS. NOT TO BE
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 PURPOSES EXCEPT ON BURROUGHS ORDER OR
 PRIOR WRITTEN CONSENT.

NUMBER
 2846 2943

REV
 A

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

PREPARED BY
 W. Spingler

APPROVED BY
 H. Caswell *HCB*
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.

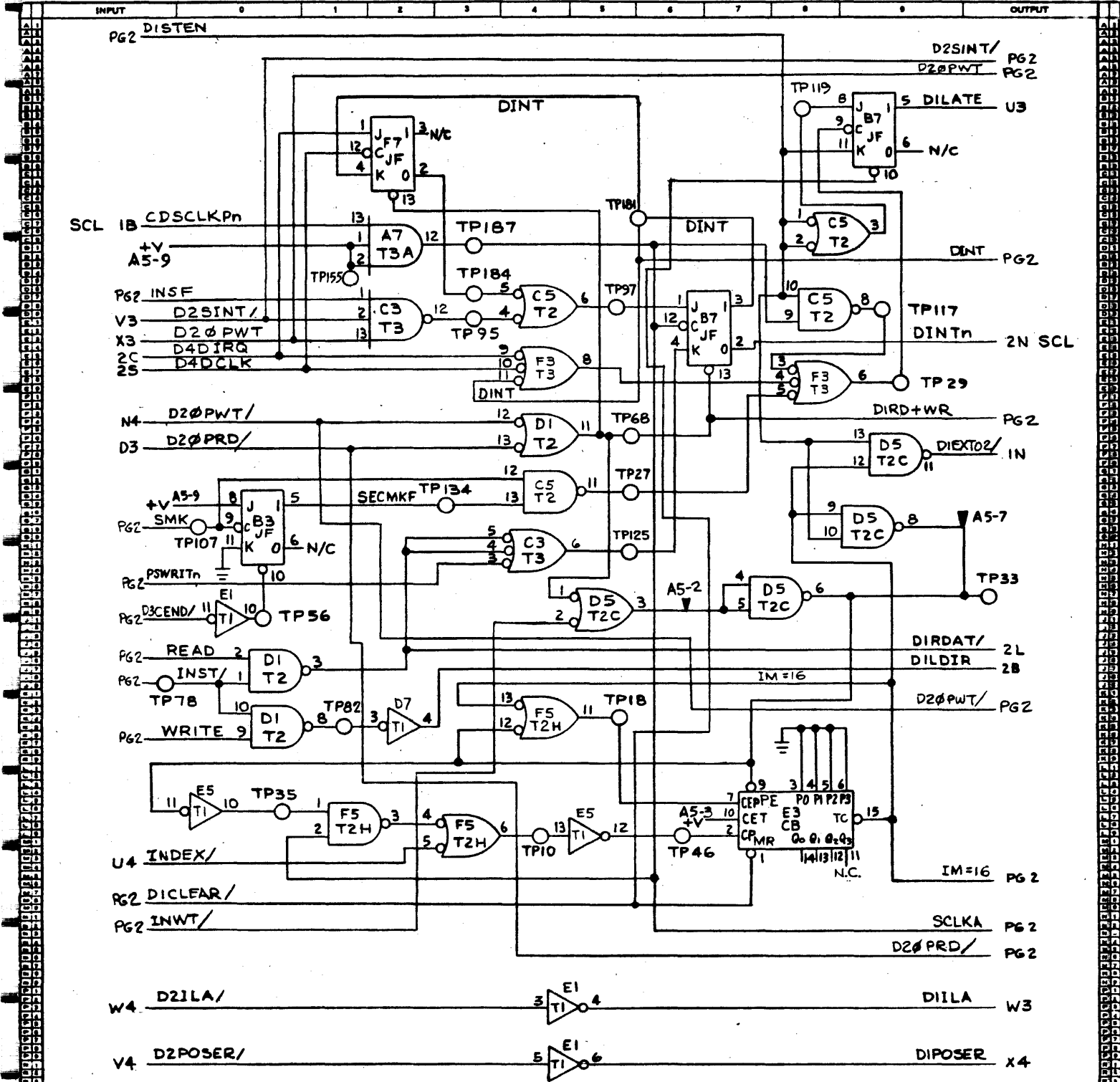


- (d) Install 2606 2281 cable assembly by connecting the connector end marked "J14" to connector J14 of the 9343 console. Connect the other end of the cable assembly to the applicable power control assembly connector as follows:

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

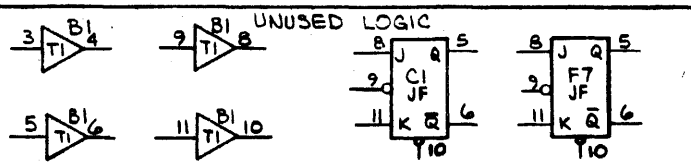
- (e) Affix the decal to the configuration plate in the space for the DDP location which has this control installed.
- (f) Option installation is now complete.

SCHEMATIC



⏏ INDICATES TERMINATOR.

⏏ INDICATES PULL-UP OR OPEN COLLECTOR RESISTOR.



T3A	1447 5596	1
T3	1447 3557	1
T3	1447 3540	2
T2H	1479 0240	1
T2C	1447 3581	1
T2	1447 3516	3
T1	1447 3532	4
JF	1447 3615	5
CB	1447 3771	1
CODE	PART NO.	QTY

CC 2-9520

SHL.011

Burroughs Corporation
 MAGNETIC SYSTEMS PLANT DOWNTOWN, PA 19238

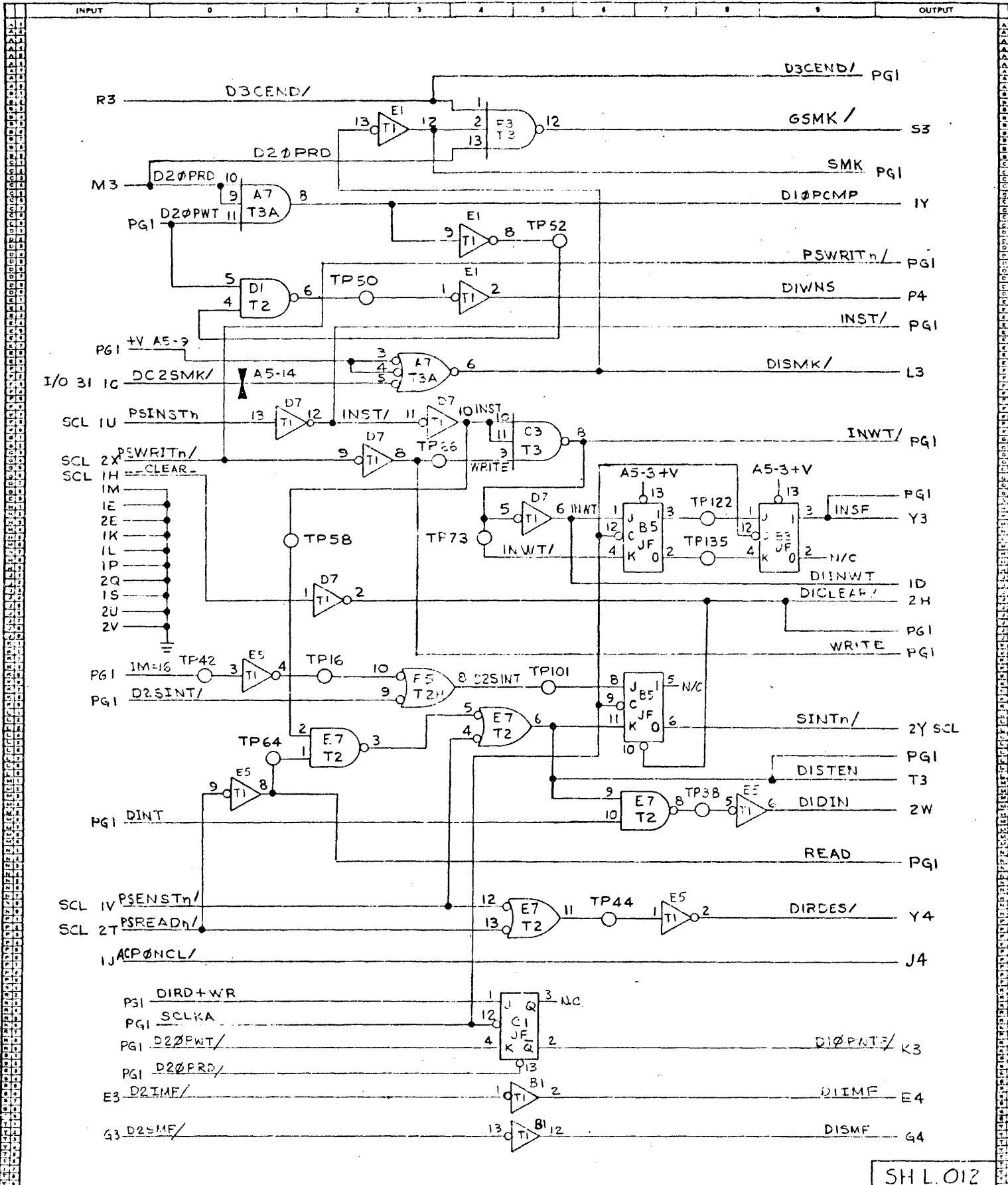
PRODUCTION

TITLE DCI DISK CONTROL
 SYSTEM B700
 DRAWN W. McCLAIN CHECKED
 APPROVED F. SCHNEIDER RELEASED 5-25-72

DWG. NO. 1448 7052
 PAGE 1 OF 2
 REV. LETTERM ECN4425
SM 1 CAZ, 1-17-72

SHNO.	1	2
REV	H	G

SCHEMATIC



Burroughs Corporation
 MAGNETIC SYSTEMS PLANT
 DOWNTOWN, PA 19335

TITLE DC1 DISK CONTROL
 SYSTEM E702
 DRAWN BY MCCLAIN CHECKED
 APPROVED BY CONROGER RELEASED 1-15-72

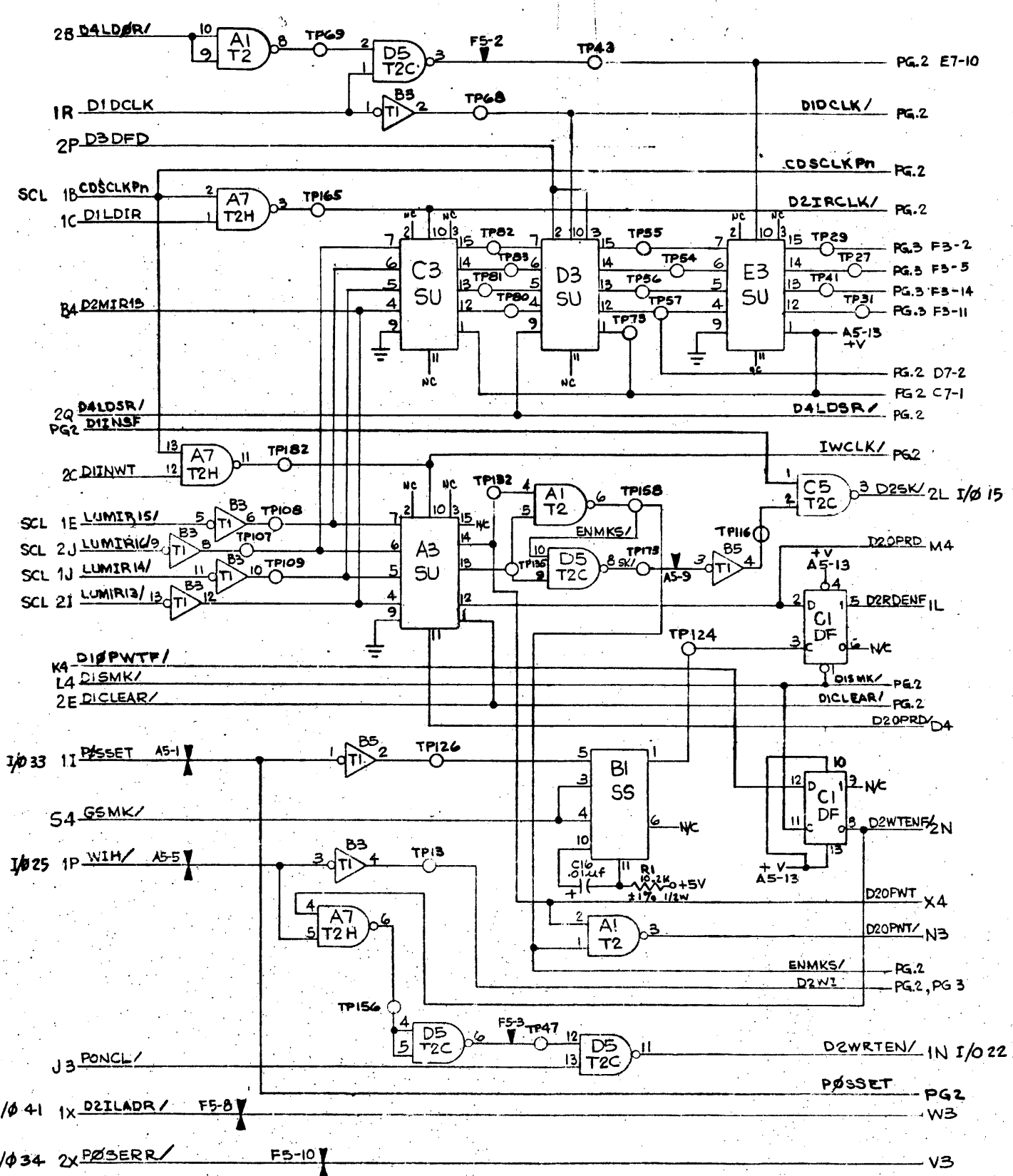
DWG. NO. 1448 7052
 PAGE 2 OF 2
 REV. LETTER G ECL 4/60

64

64

SCHEMATIC

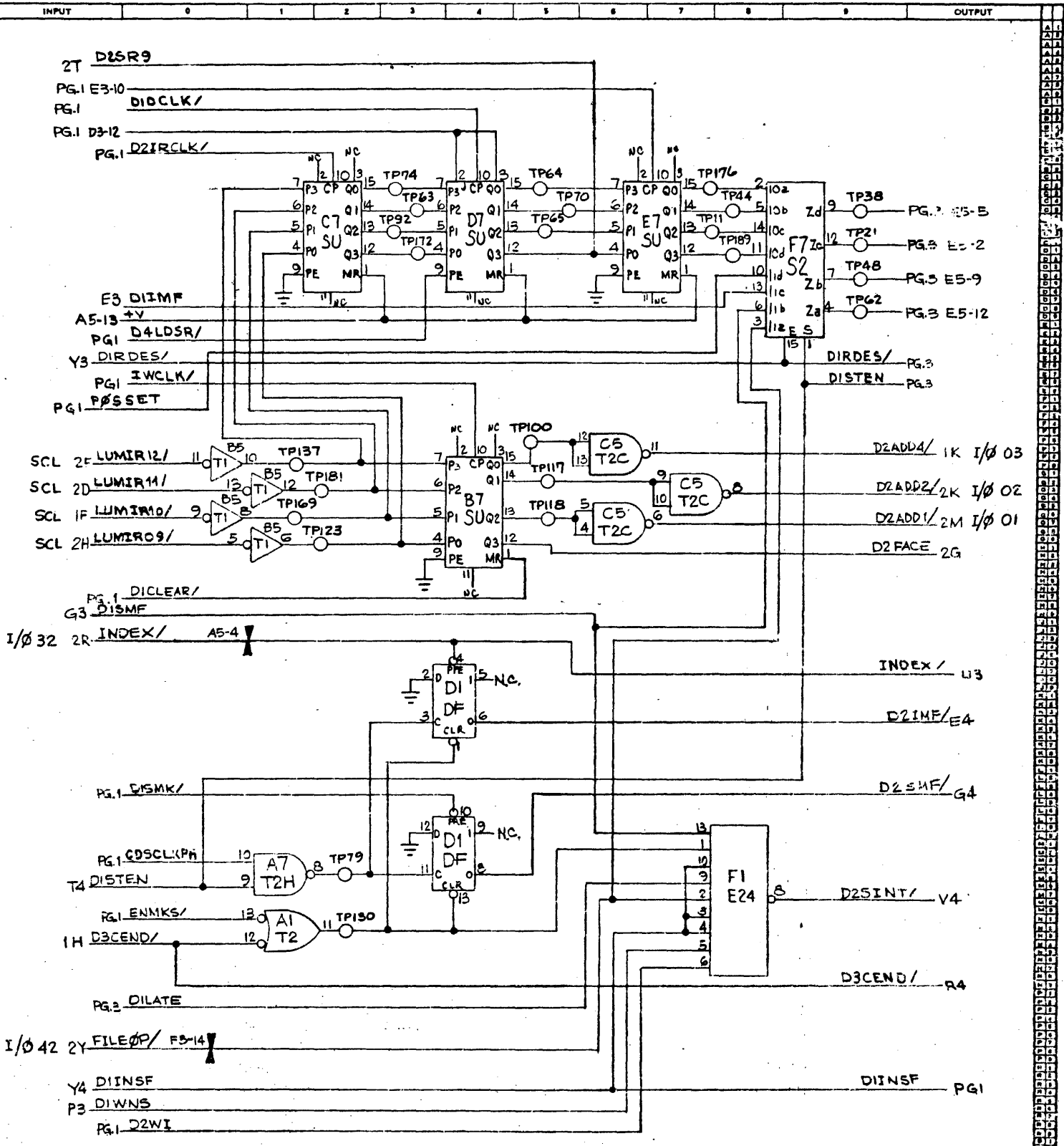
INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



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.		

SCHEMATIC



▼ INDICATES PULL-UP OR OPEN COLLECTOR RESISTOR.
 ▲ INDICATES TERMINATOR.

SH L.022

Burroughs Corporation
 MAGNETIC SYSTEMS PLANT
 DOWNTOWN, PA 19106

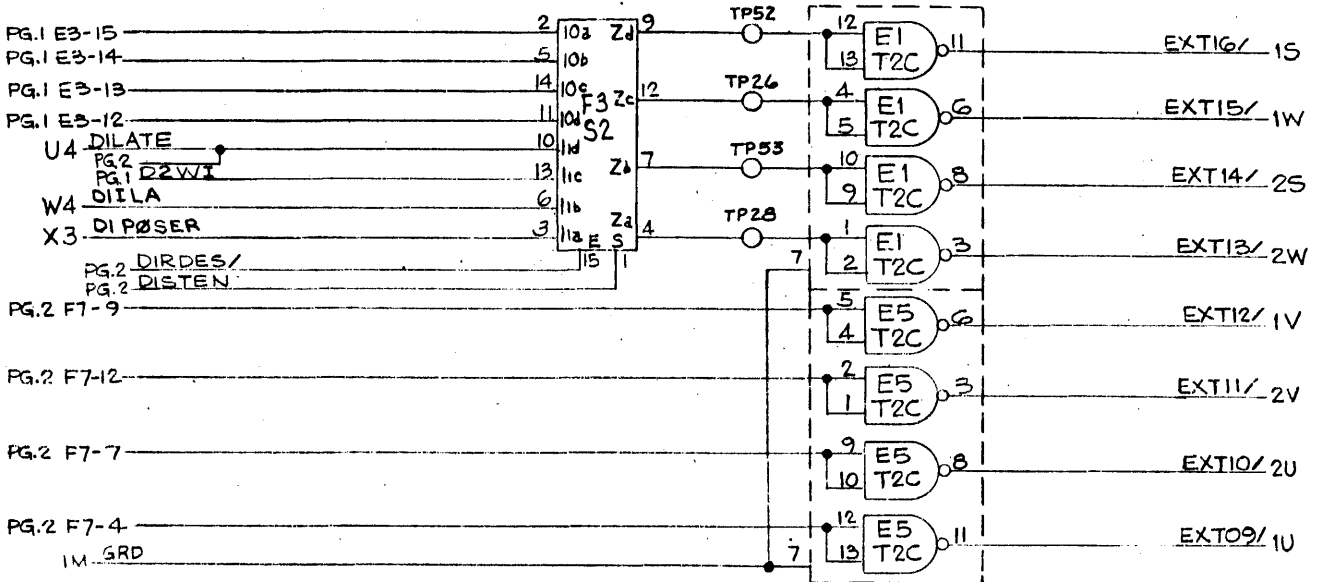
TITLE DC.2 DISK DATA 9
 SYSTEM B700
 DRAWN L.M.J.
 APPROVED B. DIMERMAN

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

66

SCHMATIC

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	1479 0240	1
SS	1447 3649	1
SU	1447 3706	1
DF	1447 3753	8
S2	1447 3607	2
T2C	1447 3797	2
T2	1447 3581	4
T1	1447 3516	1
T1	1447 3532	2

SH L.023

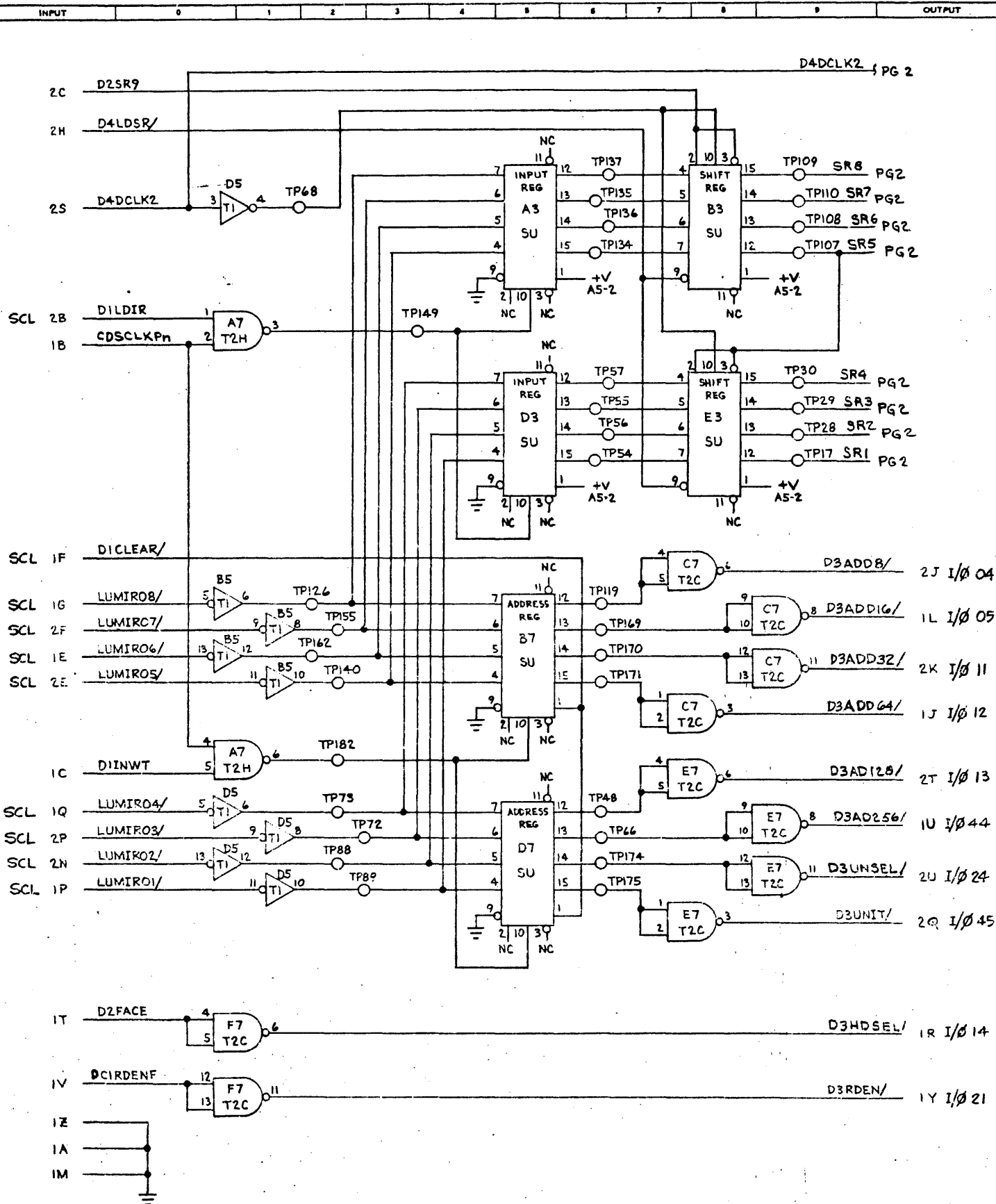
INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

Burroughs Corporation
 MAGNETIC SYSTEMS PLANT DOWNINGTOWN, PA 19335
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TITLE DC 2 DISK DATA 9
 SYSTEM 8700
 DRAWN L.M.J.
 APPROVED B. DANERMAN
 CHECKED F.S.
 RELEASED 10-29-71

DIWG. NO. 1447 8291
 PAGE 3
 REV. LETTER NPER 82N280

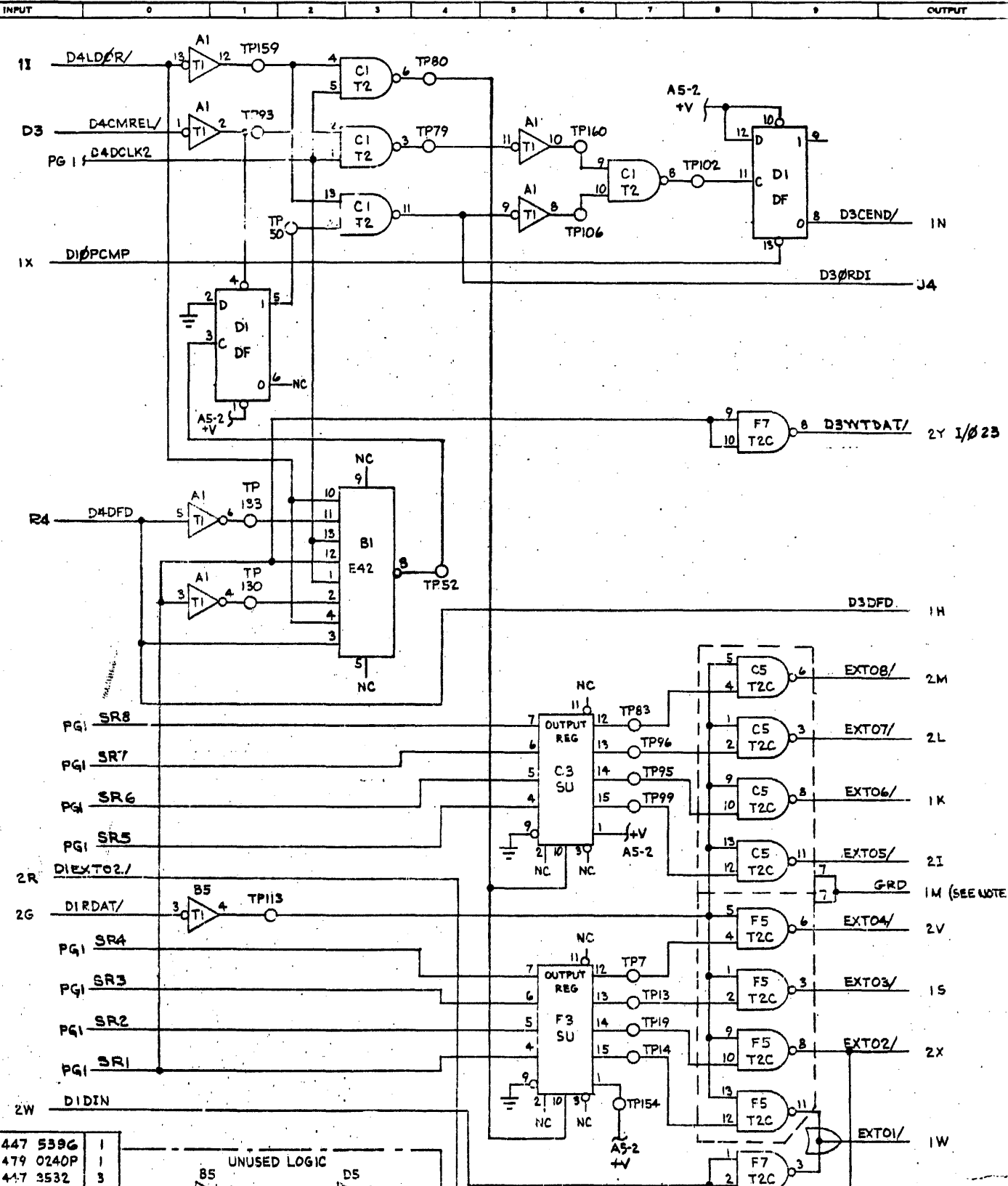
SCHMATIC



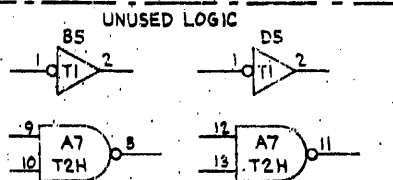
cc 2-9520 SH L.031

	INPUT	0	1	2	3	4	5	6	7	8	9	OUTPUT
<p>Burroughs Corporation MAGNETIC SYSTEMS PLANT DOWNINGTOWN, PA 19335</p>	<p>TITLE DC3 DISK CONTROL SYSTEM 5700 DRAWN LMAJ APPROVED B. DIMERMAN</p>											
<p>CHECKED F. SCHROEDER RELEASED 10-16-71</p>											<p>DWG. NO. 1447 8051 PAGE 1 OF 2 REV. LETTER N ECN 4130 542 68-12-23</p>	

SCHEMATIC



T2H	1447 5396	1
T1	1479 0240P	1
SU	1447 3755	8
T2C	1447 3581	5
DF	1447 3607	1
E42	1447 3656	1
T2	1447 3516	1
CODE	PART NO.	QTY



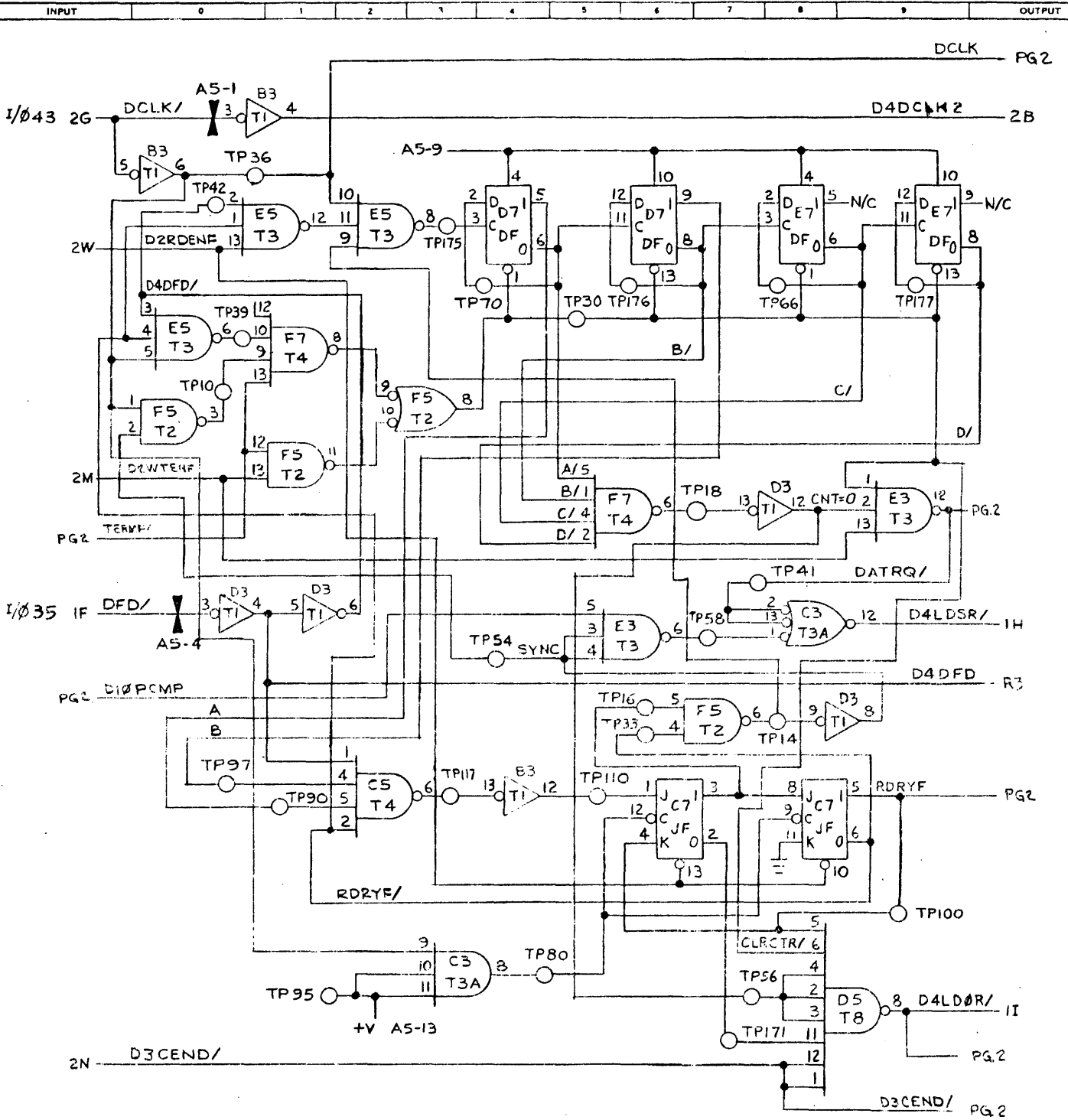
NOTE: GRD CONNECTION TO C5 & F5 ARE TO BE MADE BY SEPARATE WIRES CONNECTED TO 1M

SH L.032

Burroughs Corporation
 MAGNETIC SYSTEMS PLANT
 DOWNTOWN, PA 19138
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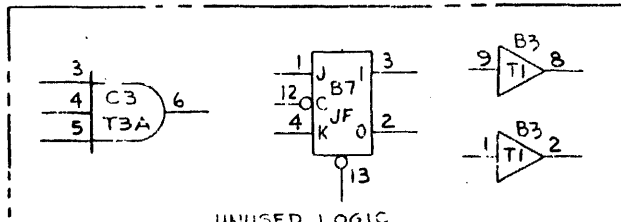
TITLE DCB DISK CONTROL
 SYSTEM 3700
 DRAWN L.M.T.
 APPROVED B. DINERMAN RELEASED 10-18-71
 CHECKED F. SCHROEDER
 DWG. NO. 1447 8051
 PAGE 2 OF 2
 REV. LETTER 1J EQJ4130
 GB 6-12-75

SCHMATIC



-	1447	5336	1
T8	1447	3573	1
T4	1447	3565	2
T3A	1447	3557	1
T3	1447	3540	3
T2H	1479	0240	1
T2	1447	3516	1
T1	1447	3532	2
JF	1447	3615	2
E42	1447	3656	1
DF	1447	3607	2

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



UNUSED LOGIC

INDICATES TERMINATOR

CC 2-9520

SH L.041

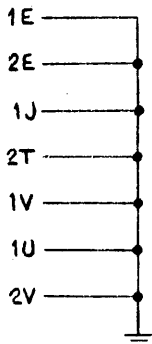
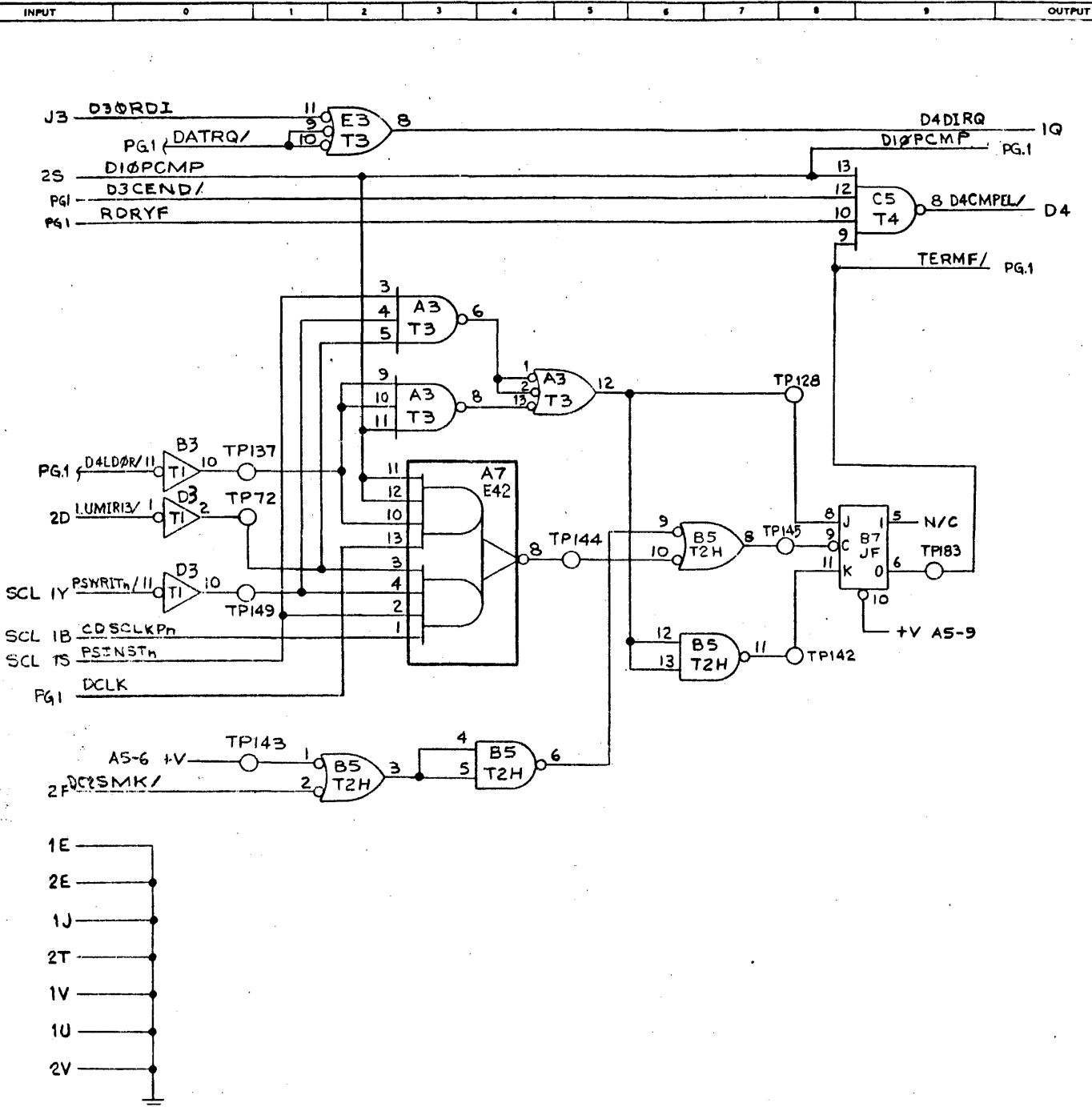
INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

Burroughs Corporation
 MAGNETIC SYSTEMS PLANT
 DOWNTOWN, PA. 19335

INSTRUCTION

TITLE DCA DISK SPECIAL CONTROL
 SYSTEM B700
 DRAWN M. J. ... CHECKED J. ...
 APPROVED ...
 DWG. NO. 1448 7045
 PAGE 1 OF 2
 REV. LETTER C FCN4454
 SH 12 CAZ 11-5-72

SCHMATIC



SHL.042

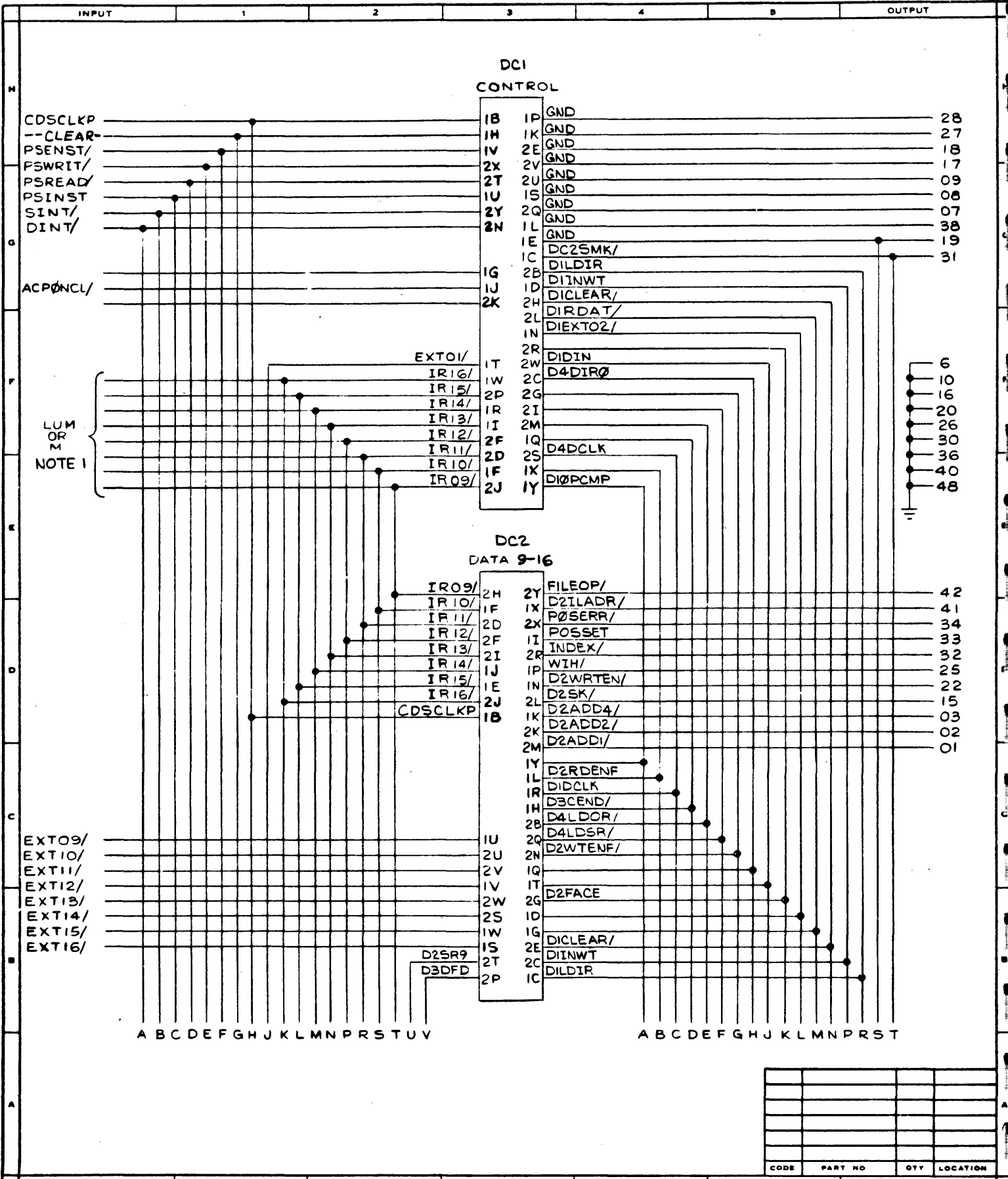
INPUT	0	1	2	3	4	5	6	7	8	9	OUTPUT
-------	---	---	---	---	---	---	---	---	---	---	--------

Burroughs Corporation
 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 B. G. DINEEN RELEASED 5-30-72.
 W. A. McNEAMA

DWG. NO. 1448 7045
 PAGE 2 OF 2
 REV. LETTER C. ECN4454
 SHZ CAZ 11-5-75



DRAWING 24-131 28807

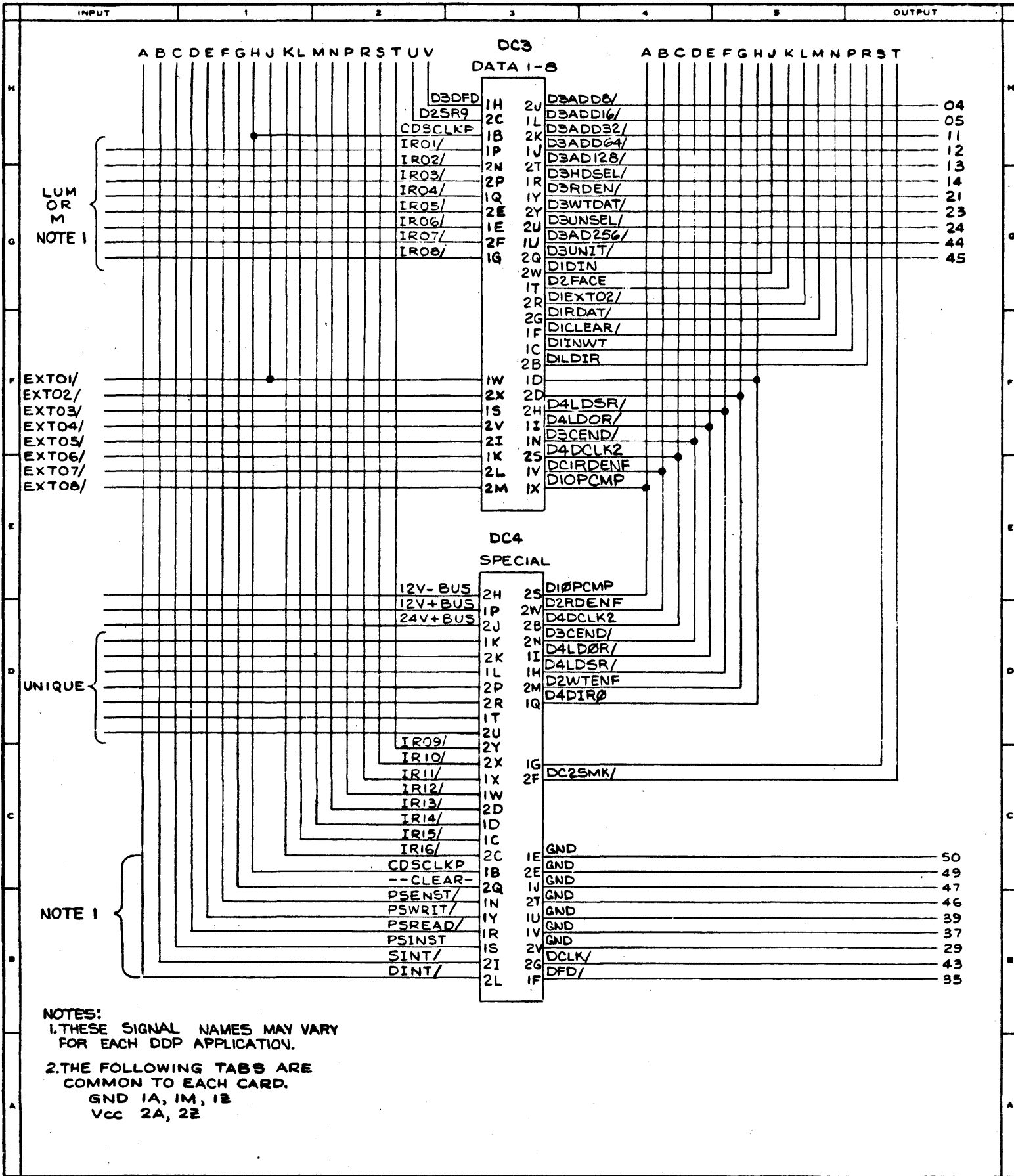
Burroughs Corporation

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

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 PRINTED IN U.S. AMERICA

REV	SH	DESCRIPTION
A	1	INITIAL
A	2	REVISION

DESIGNED BY <i>C. ZUTSKI</i>	DATE 1-9-76	TITLE DDP DC WIRING DIAGRAM	CLASS CODE 2-9520
CHECKED BY <i>[Signature]</i>	DATE 1-20-76	SHEET 1 of 2	REV A
APPROVED BY <i>[Signature]</i>	DATE 3-7-76	DWG NO. 2606 9609	PLT NO. 038



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

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. Spangher</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:

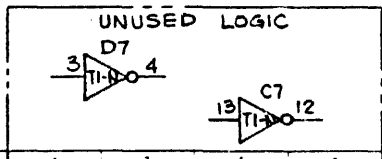
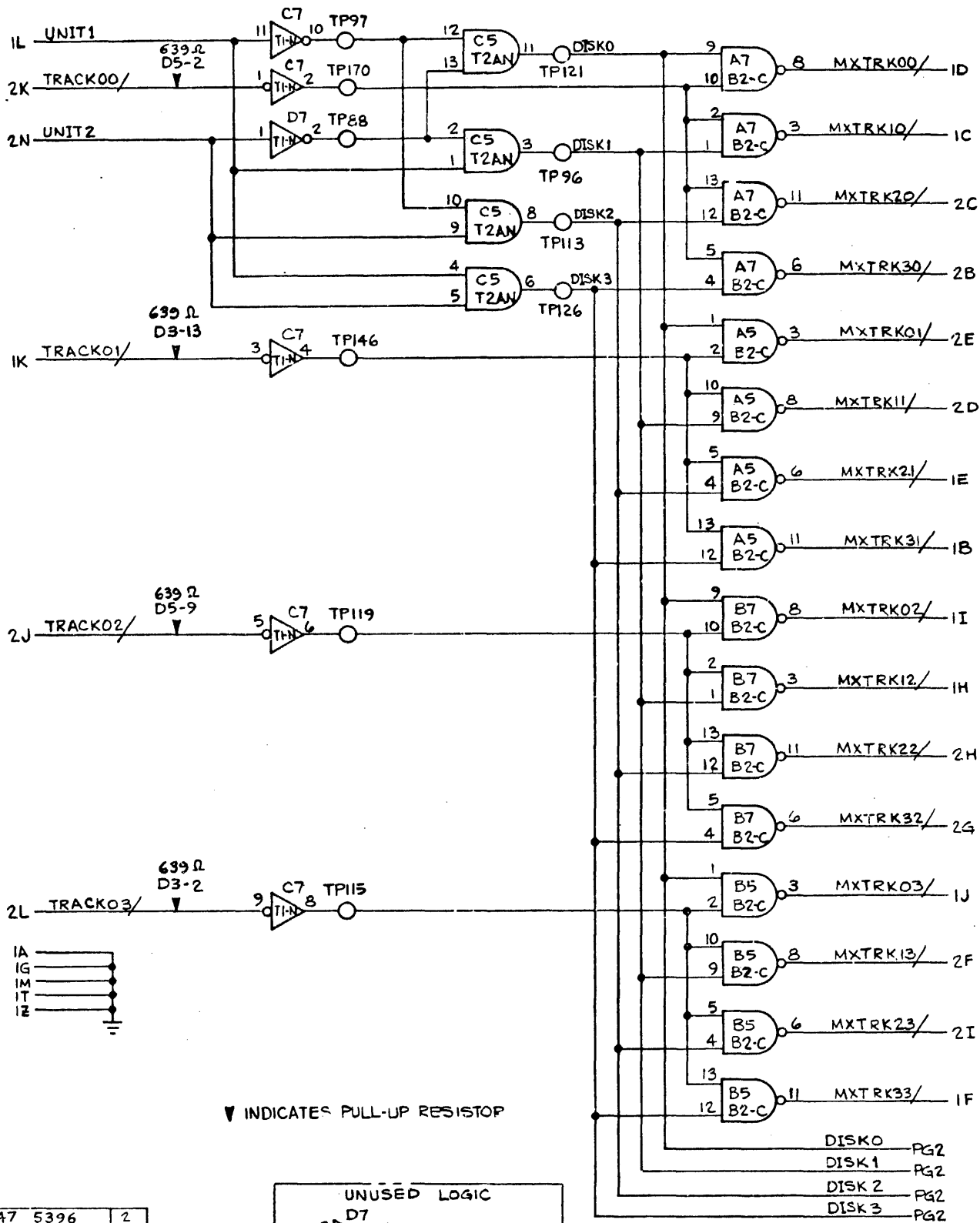
Quantity	Description	Part No.
1	Circuit Card Assembly DC1	1447 4530
1	Circuit Card Assembly DC2	1447 4498
1	Circuit Card Assembly DC3	1447 4514
1	Circuit Card Assembly DC4	1447 8507
2	Connector Assembly	2605 0807
1	Decal	1448 6641

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

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



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

CC 2-9520

SH HI 7/8

2603 9651

Burroughs Corporation
DOWNTOWN PLANT
COMPUTER SYSTEMS GROUP

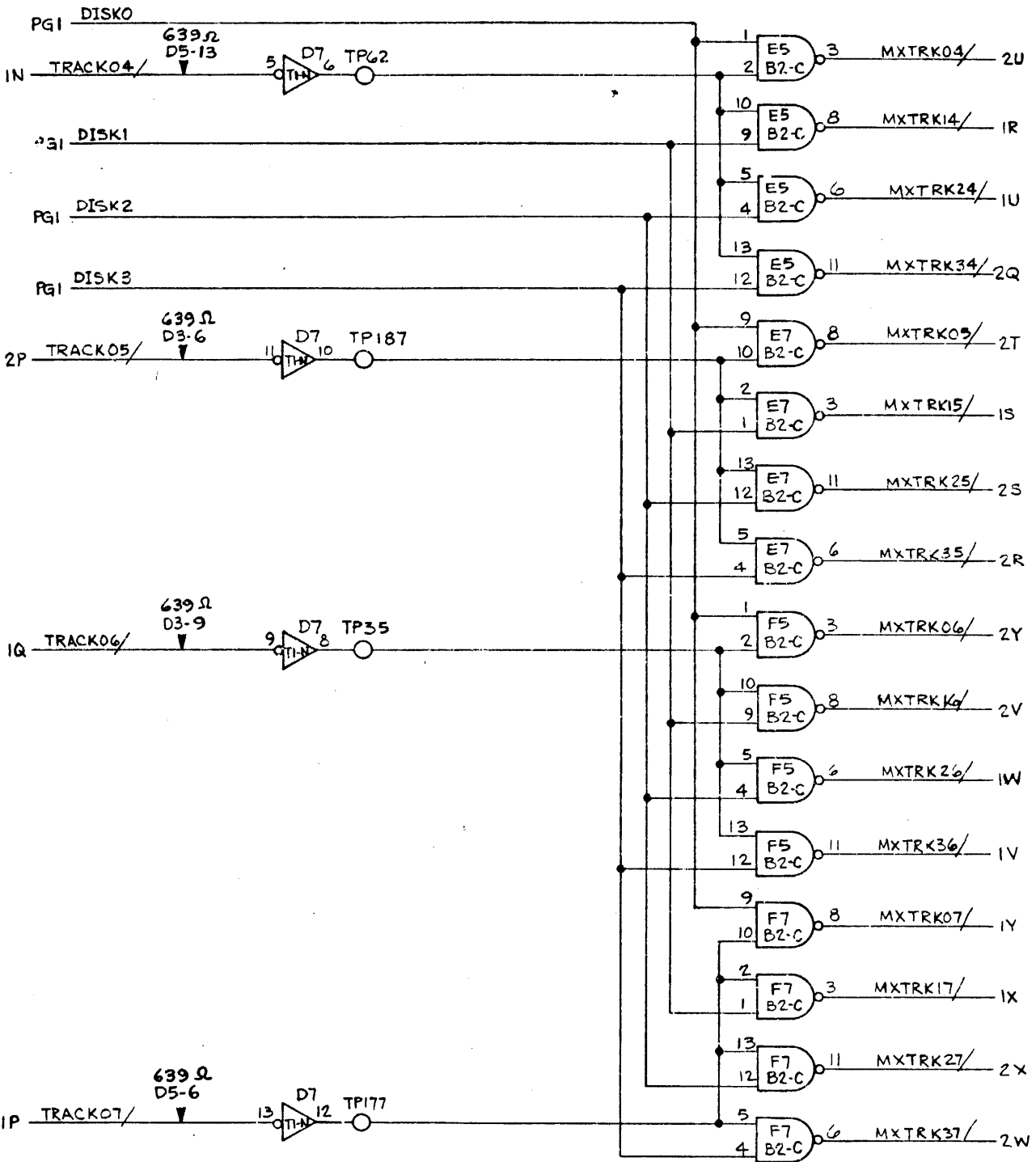
REVISIONS
REL 11-74
A ER 15

TITLE MX1			
DRAWN	DATE	DSGN OR ENGR	DATE
PE M...	10-2-74	...	10-23-74
CHECKED	DATE	APPROVED	DATE
C. B. SCHWIFF	10-14-74	...	10-23-74
2 1 PG. NO.		A A REV	

2603 9651 A
PAGE 1 OF 2

SCHMATIC

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

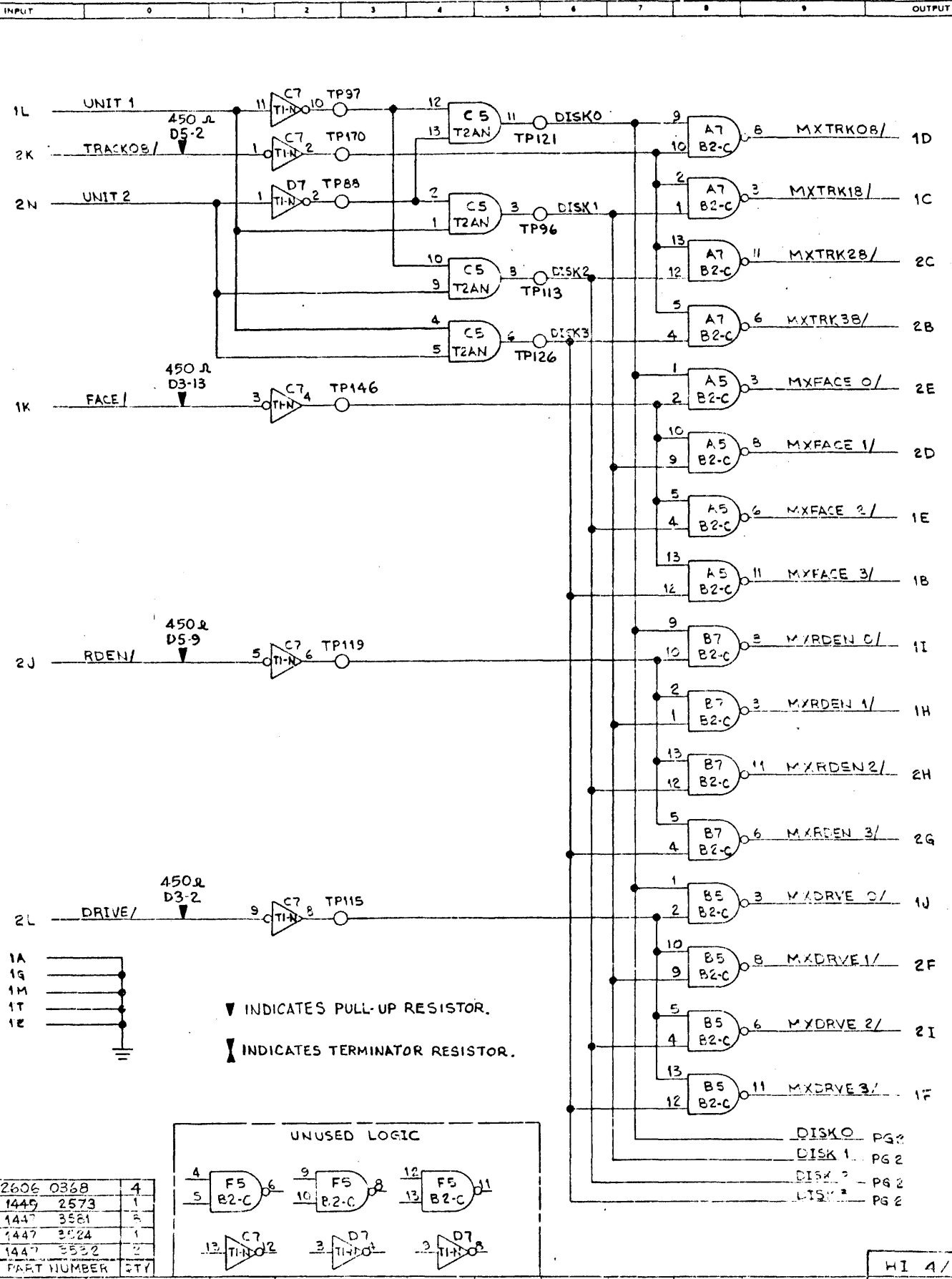


SH HI 7/8

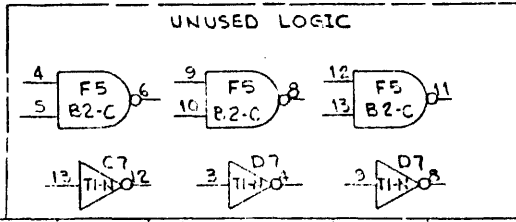
INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

2603 9651 Burroughs Corporation DOWNTOWN PLANT COMPUTER SYSTEMS GROUP	TITLE MX1		2603 9651 A	
	DRAWN P.E. ALLEN	DATE 10-2-74	DSGN OR ENGR [Signature]	DATE [Signature]
	CHECKED C.L. BOSCHOFF	DATE 10-14-74	APPROVED [Signature]	DATE [Signature]
	PROPERTY OF BURROUGHS CORP. - NOT TO BE REPRODUCED NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT		REVISIONS:	

SCHMATIC

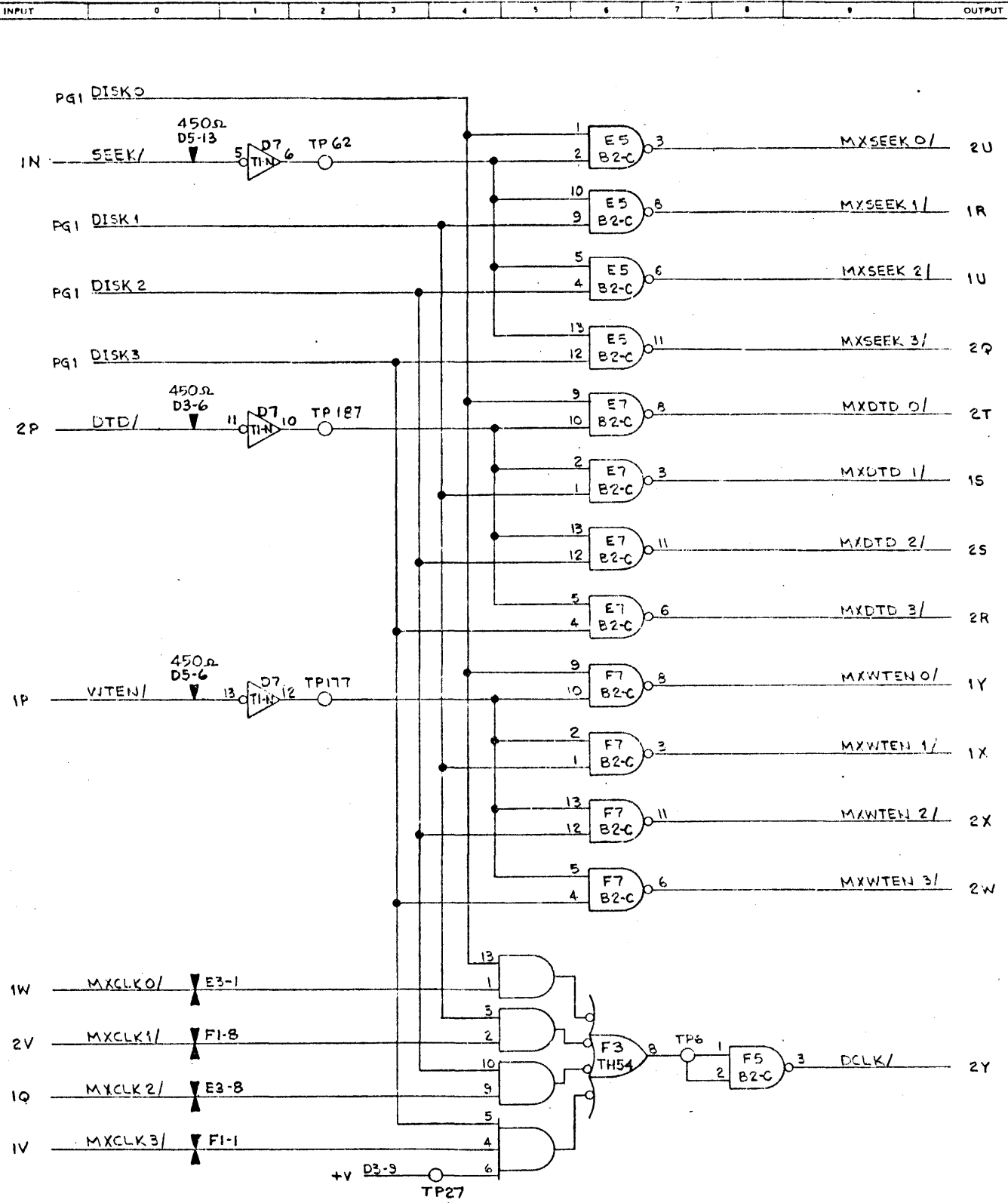


PM2B	2606	0368	4
THET	1445	2573	1
B2-C	1447	3581	5
T2AN	1447	3024	1
T1-N	1447	3532	2
CODE	PART NUMBER		QTY



78 Burroughs Corporation COMPUTER SYSTEMS GROUP DOWNTOWN PLANT U.S. 27186 A	DRAWN A.B.T.T. CHECKED DATE 11-1-76	DATE 10-4-76	DESIGN ENGR DATE 11-1-76	DATE 7-7-76	2603 8285 B PAGE 1 OF 2	HI 4/5
	TITLE MX2					PG NO. 2
	APPROVED DATE 11-1-76					REV. 3 B
	203 SCS					78

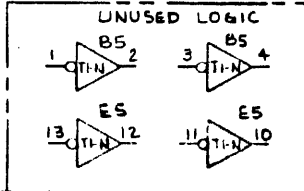
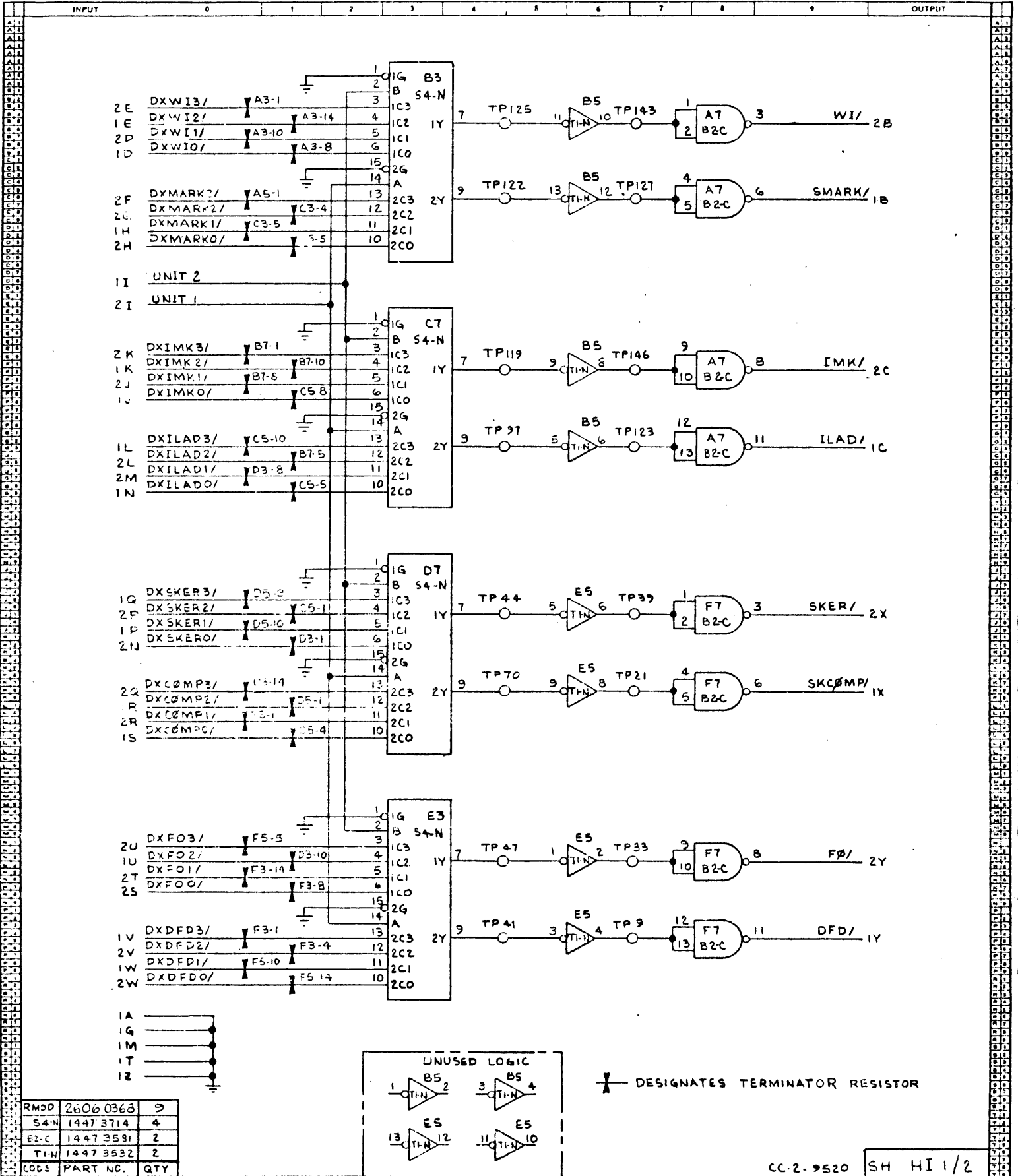
SCHEMATIC



HI 4/5

Burroughs Corporation COMPUTER SYSTEMS GROUP DOWNTOWN PLANT PHILADELPHIA, PA. 19135		TITLE MX2 DRAWN: [] DATE: 10-7-74 CHECKED: [] DATE: 10-7-74 APPROVED: [] DATE: 10-7-74		NUMBER 2603 9885 B PAGE 2 OF []	
---	--	---	--	---	--

SCHMATIC



DESIGNATES TERMINATOR RESISTOR

CC-2-9520 SH HI 1/2

2603 9127 80 Burroughs Corporation COMPUTER SYSTEMS GROUP DOWNTOWN PLANT U.S. AMERICA PRINTED IN U.S.A. REVISIONS: A 10/27/74 B 10/27/74	TITLE DX W. SCHLEINER 10 16 74 CHECKED DATE APPROVED DATE C. L. ... 10 22 74 N.P. ... 10/28/74		NUMBER 2603 9727 B	PAGE 1 OF 1
	CC-2-9520 SH HI 1/2			
	INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT			
	PRINTED IN U.S.A.			

Burroughs Corporation

COMPUTER SYSTEMS GROUP

DOWNINGTOWN PLANT

DOWNINGTOWN, PENNSYLVANIA 19335



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CONSENT.

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		BDDOEB	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									
25										50									

NOTES:

1. ◀ INDICATES TWISTED PAIR.

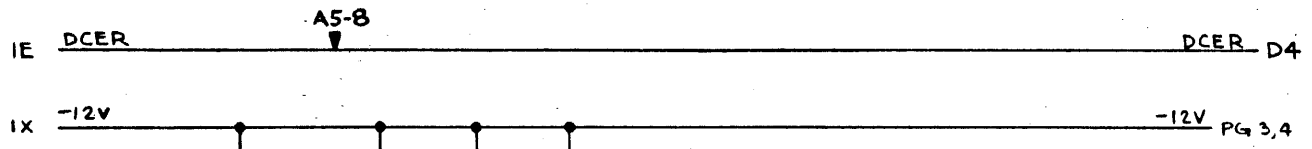
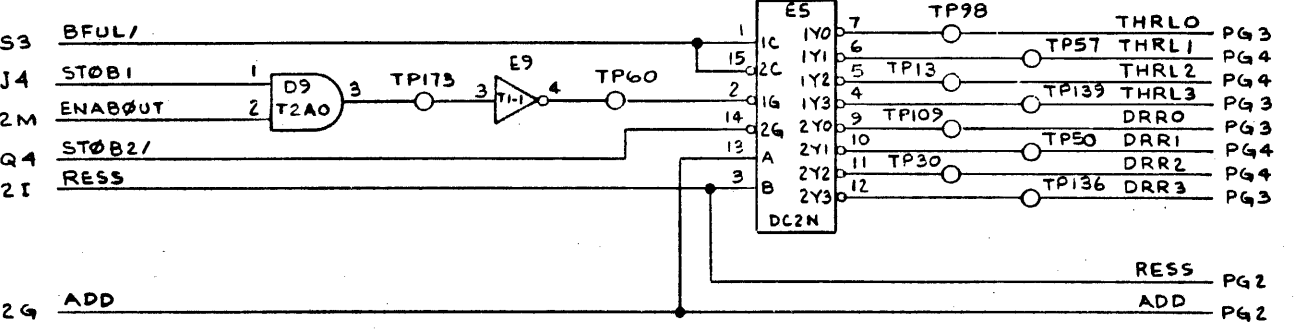
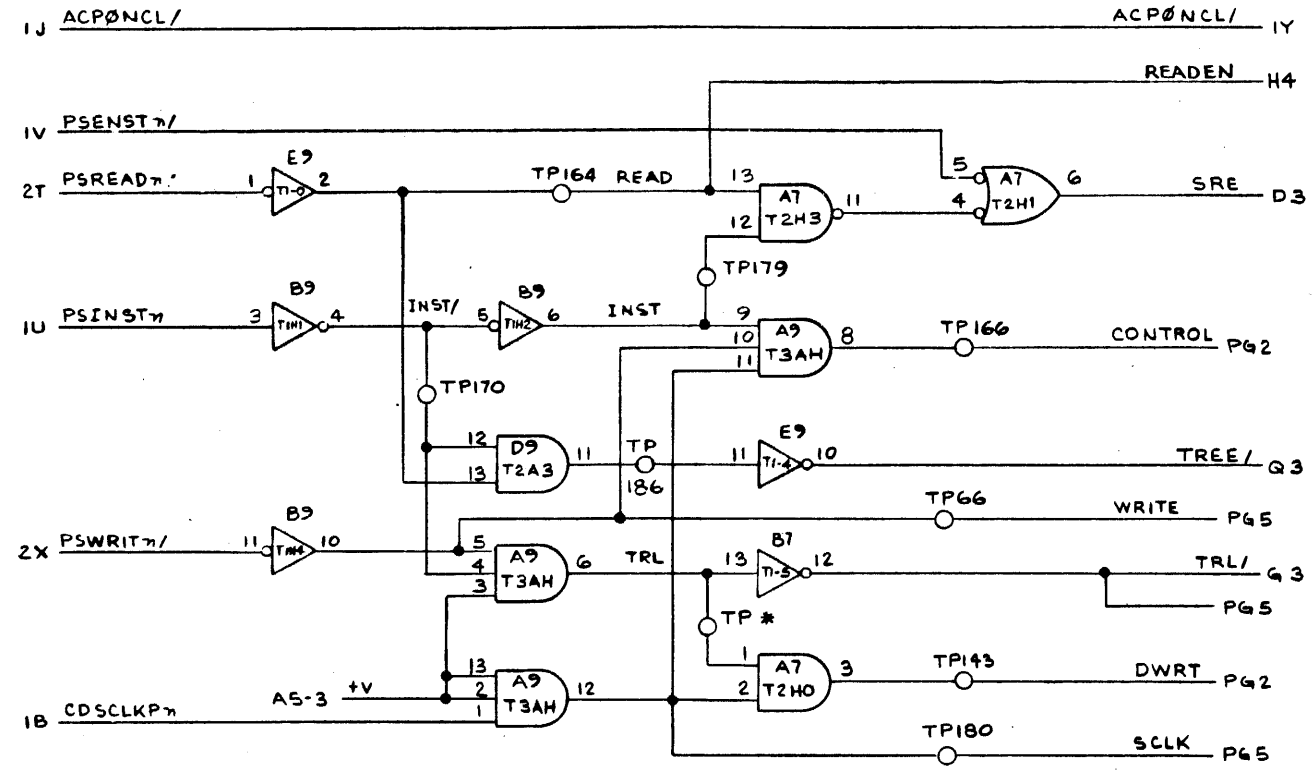
82

DRAWN	H. BURHANS	DATE	10-31-75
CHECKED	J. B. Small	DATE	10-31-75
DSGN or ENGR		DATE	11/3/75
APPROVED		DATE	

Burroughs Corporation
 COMPUTER SYSTEMS GROUP DOWNINGTOWN PA 19335
 DOWNINGTOWN PLANT US AMERICA
 TITLE WIRE LIST
 ADAPTER CABLE, KEY STATION
 CLASS CODE 2-9520

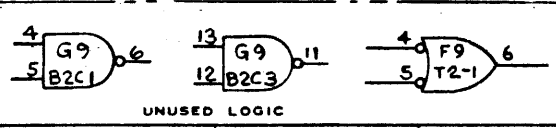
PROPRIETARY TO BURROUGHS CORP - NOT TO BE REPRODUCED, NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT

SHEET	DWG NO	PLT. NO
1 OF 1	2606 3610	038



T2-N	1447	3516	1	
UART	2472	8909	4	
RM0D	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

REV	D	C	C	C	A
SH	1	2	3	4	5
REVISIONS					
DESIGNED					
CHECKED					
DATE					
APPROVED					
DATE					

DRAWN: J. SCHLUNGER DATE: 5-14-75 TITLE: DEK1 CLASS CODE: 2-9520

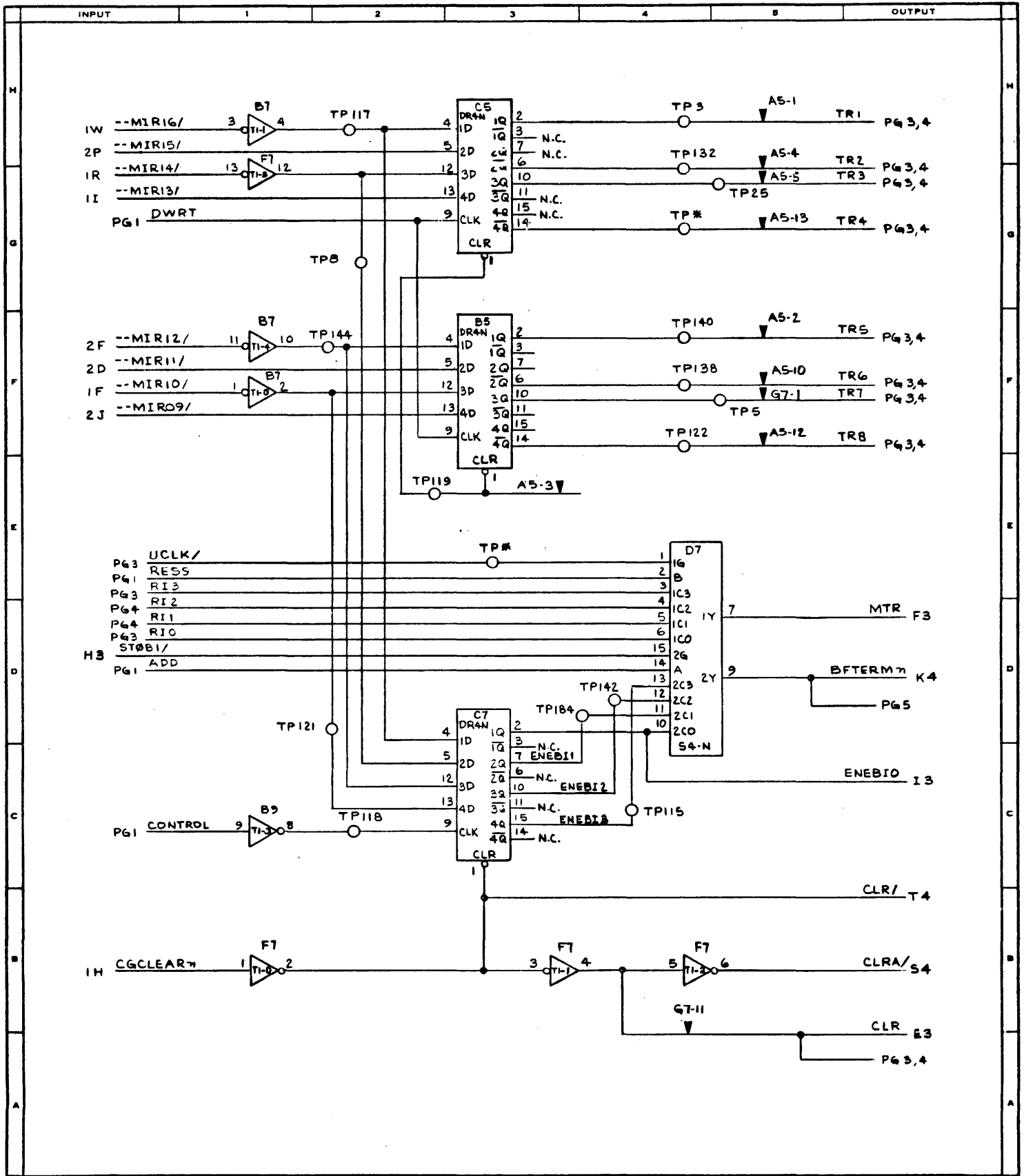
CHECKED: [Signature] DATE: 5-29-75

DESIGNED BY: [Signature] DATE: 1-24-75

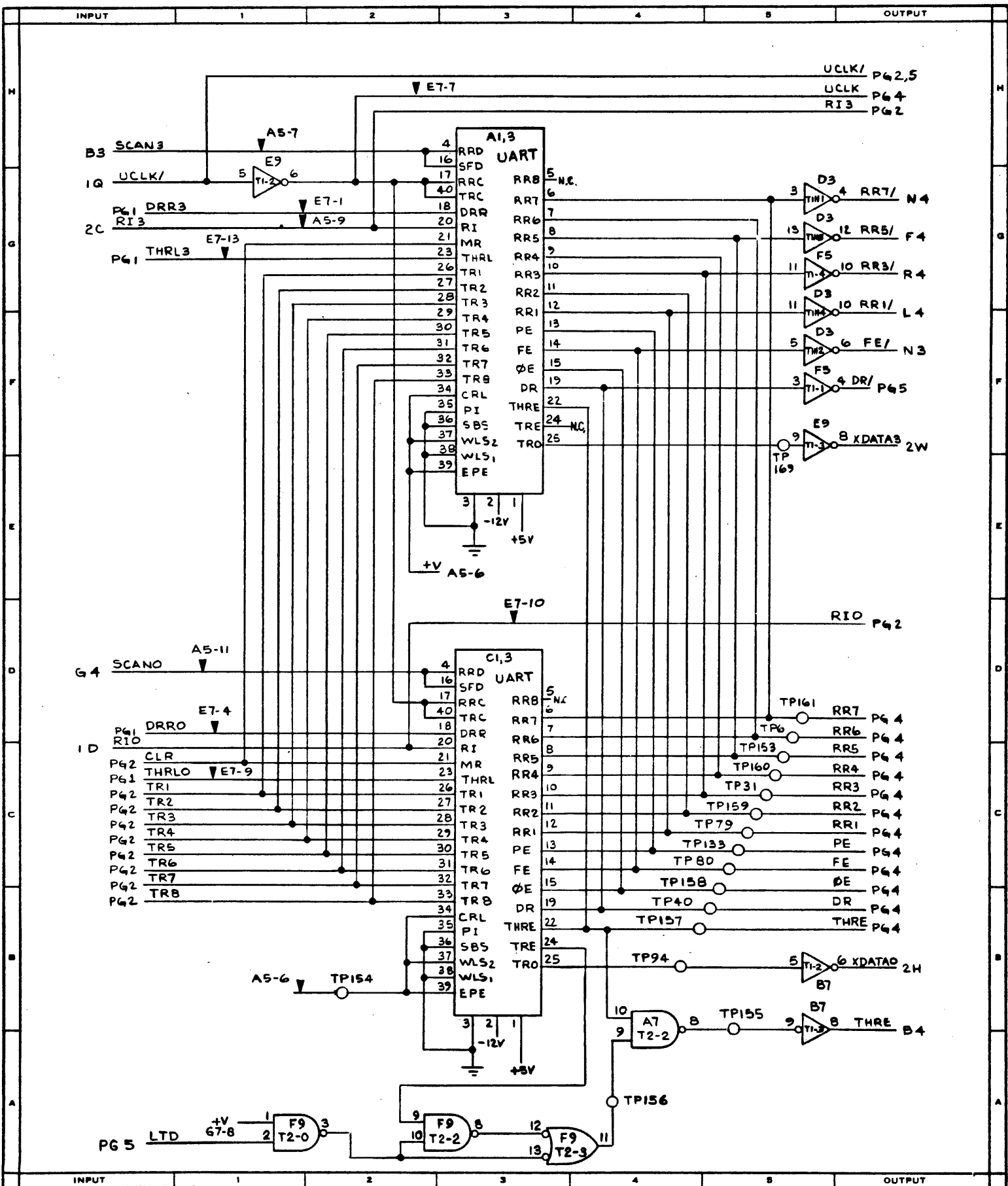
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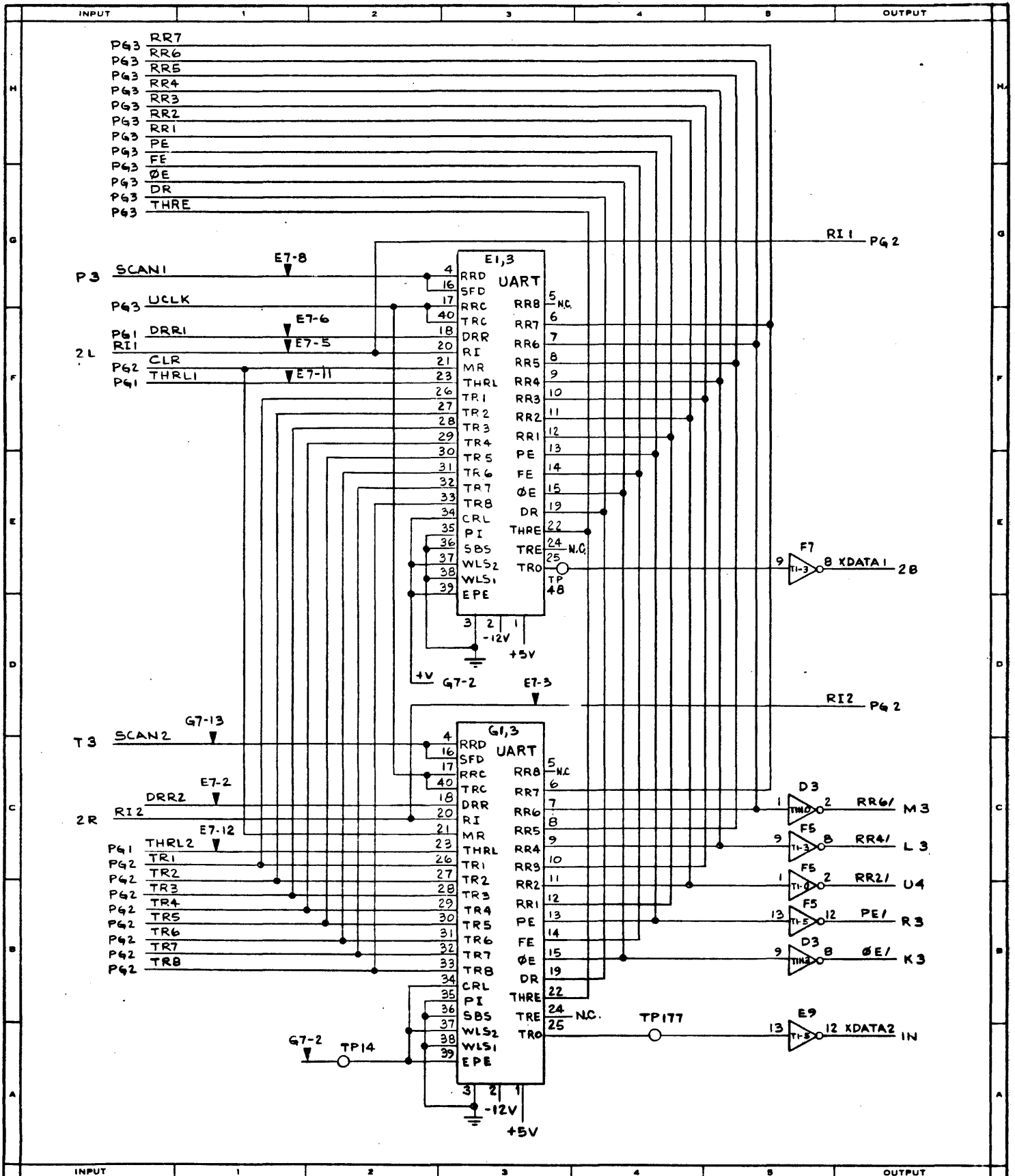
SHEET 1 OF 5 DWG NO. 26051102 PLT NO. 038 REV D

DRAWING 44-131-23007



Burroughs Corporation <small>COMPUTER SYSTEMS GROUP DOWNTOWN PLANT DOWNTOWN, PA. 19333 U.S. AMERICA</small>	REVISIONS	<div style="font-size: 2em; font-weight: bold; opacity: 0.5;">85</div>	TITLE DEK 1	CLASS CODE 2-9520
<small>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</small>		SHEET 2	DWG NO. 2605 1102	PLY NO. REV 038 A





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 DOWNTOWN, PA. 19335 U.S. AMERICA

REVISIONS

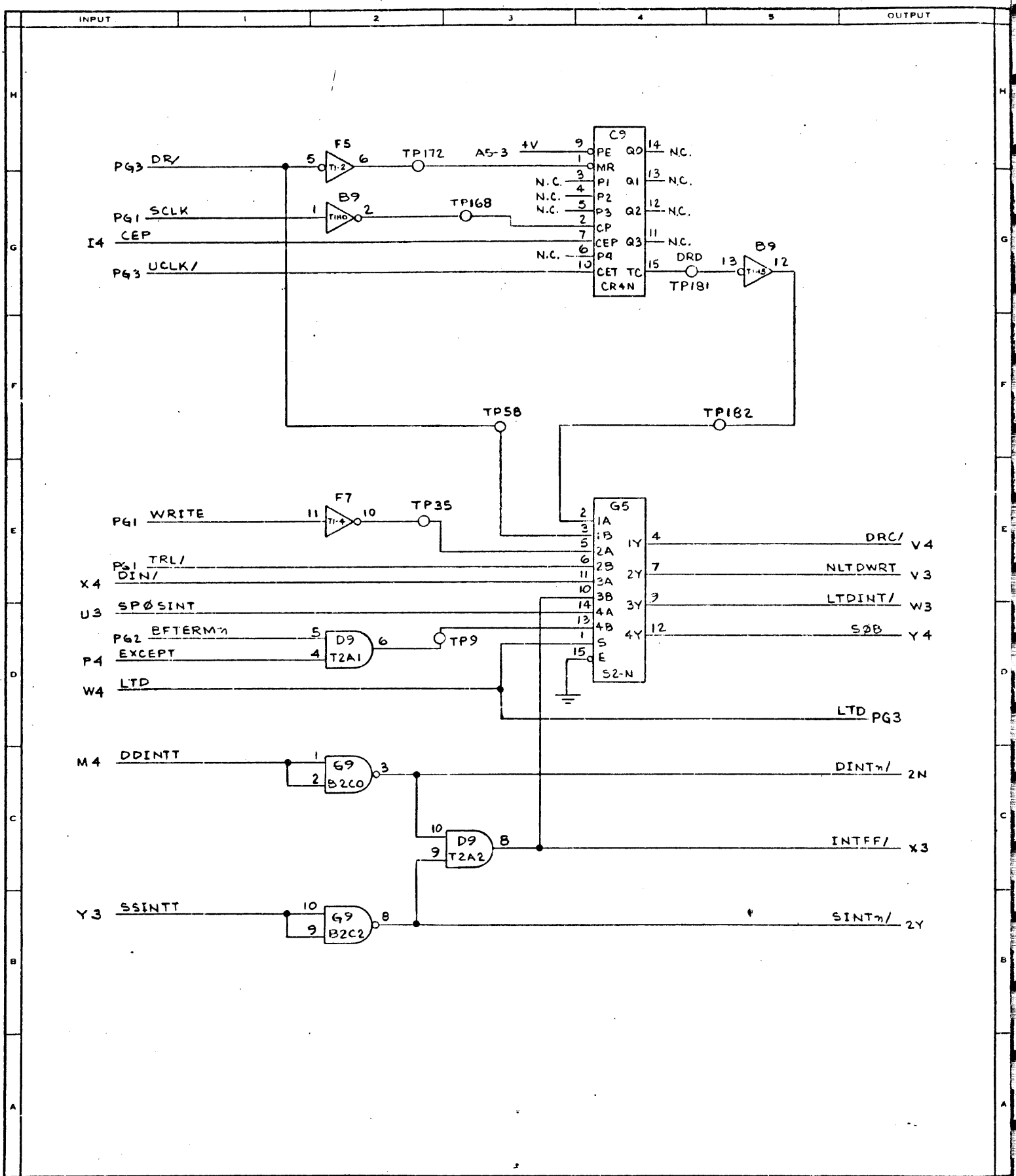
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DEK 1		2-9520	
SHEET	DWG NO.	PLY NO.	REV
4	2605 1102	038	A

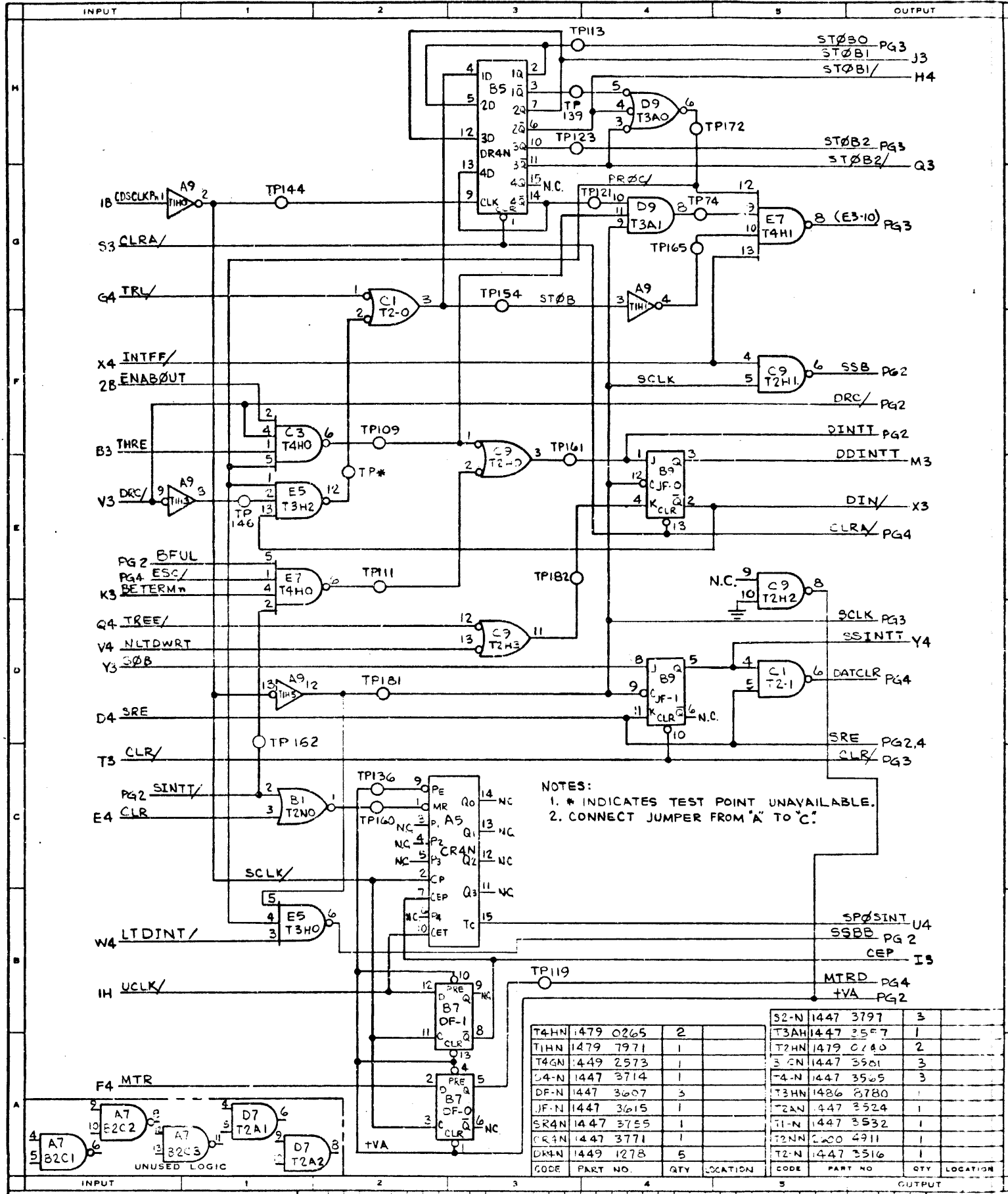
87

DRAWING 44-131 25507

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DIN 109 12-74





NOTES:
 1. * INDICATES TEST POINT UNAVAILABLE.
 2. CONNECT JUMPER FROM 'A' TO 'C'.

CODE	PART NO.	QTY	LOCATION	CODE	PART NO.	QTY	LOCATION
T4-N	1479 0265	2		S2-N	1447 3797	3	
T1HN	1479 7971	1		T3AH	1447 3577	1	
T4N	1449 2573	1		T2HN	1479 0140	2	
T4-N	1447 3714	1		3 CN	1447 3501	3	
DF-N	1447 3007	3		T4-N	1447 3505	3	
JF-N	1447 3015	1		T3HN	1486 0780	1	
SR4N	1447 3755	1		T2AN	1447 3524	1	
CR4N	1447 3771	1		T1-N	1447 3532	1	
DR4N	1449 1278	5		T2NN	1400 4911	1	
				T2-N	1447 3516	1	

Burroughs Corporation

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

REV D C A A
 SH 1 2 3 4

REVISIONS
 RELEASED BY: []
 REVISIONS: []
 APPROVED BY: []
 DATE: []

DATE: 6-19-75
 DATE: 8-16-75
 DATE: 11-7-75

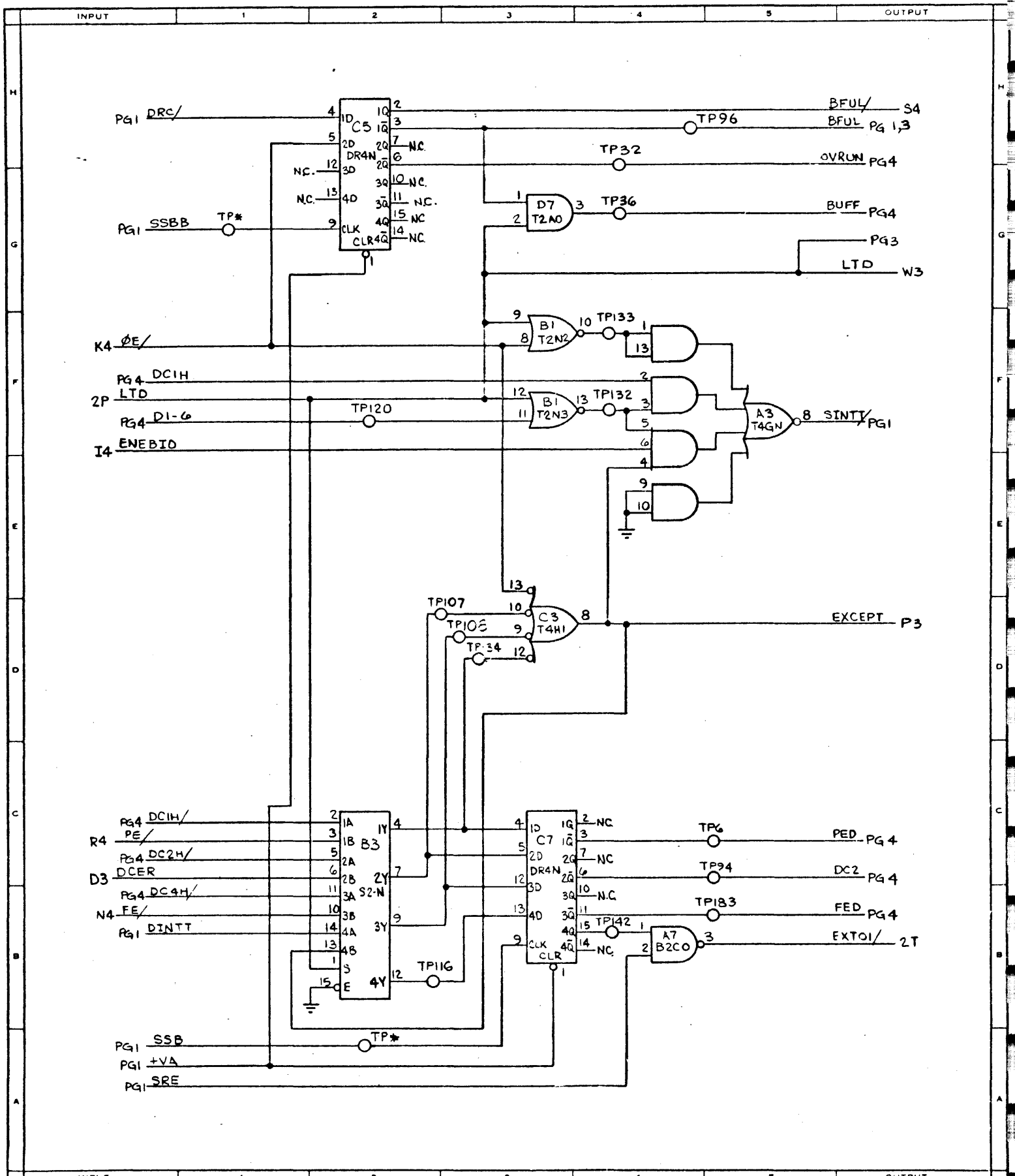
TITLE: DEK2

CLASS CODE: 2-9520

89

SHEET 1 OF 4 DWG NO. 2605 1136 PLT NO. 038 REV D

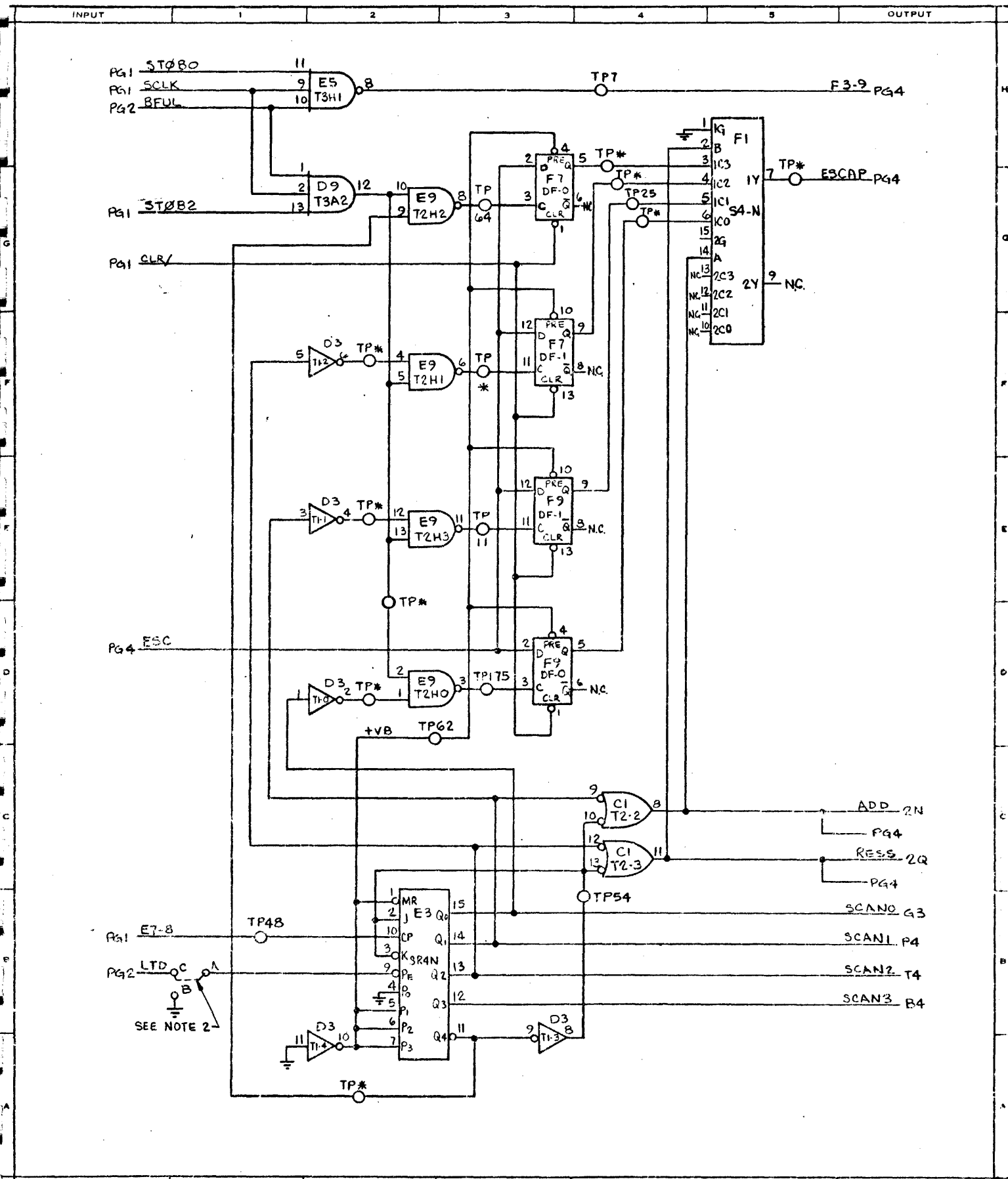
PRINTED IN U.S. AMERICA



REVISIONS	

TITLE		CLASS CODE	
DEK 2		2-9520	
SHEET	DWG NO.	PLT NO.	REV
2	2605 1136	038	C

90



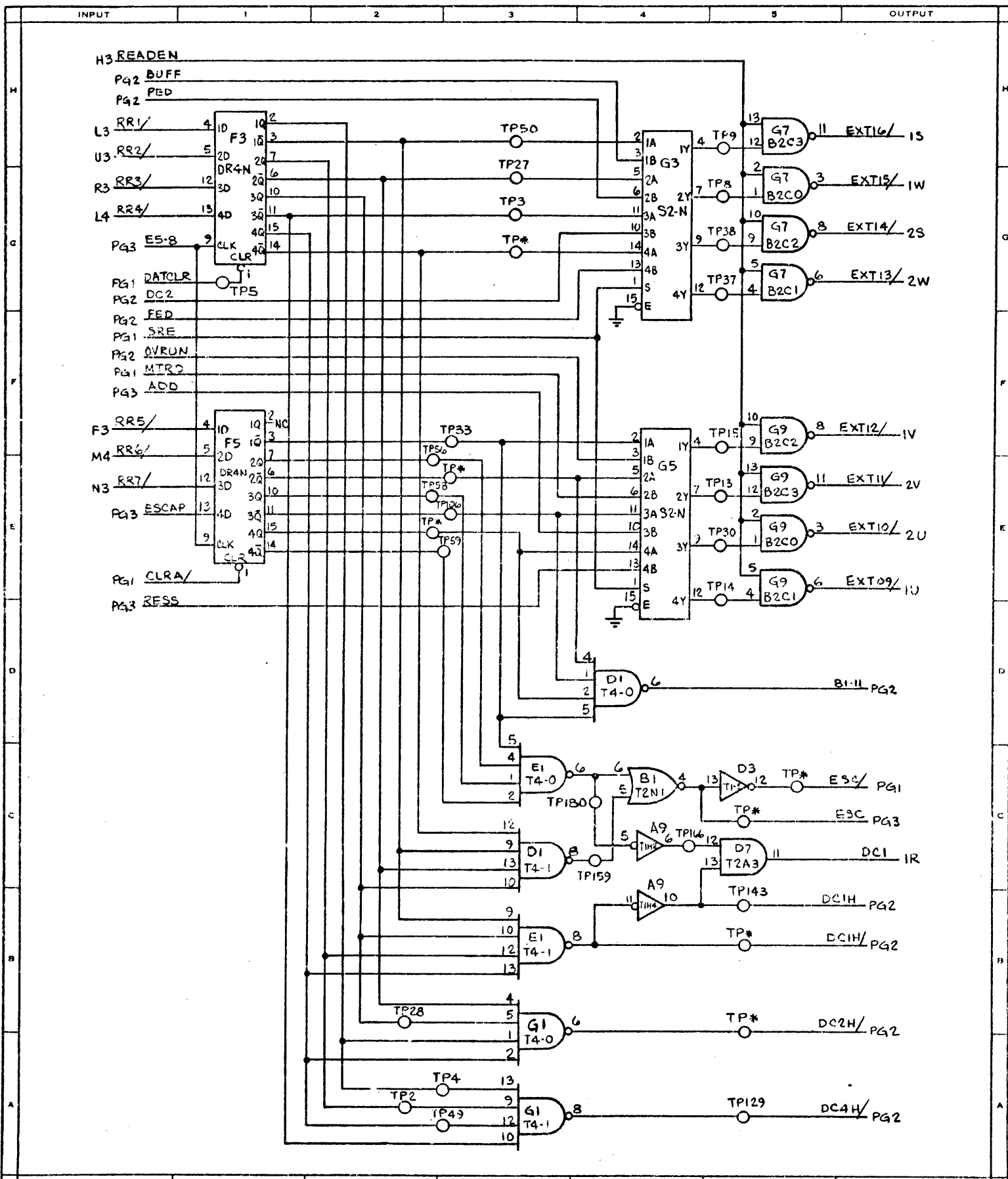
Burroughs Corporation
 COMPUTER SYSTEMS GROUP DOWNINGTOWN PLANT
 DOWNINGTOWN PA 19335 U.S. AMERICA

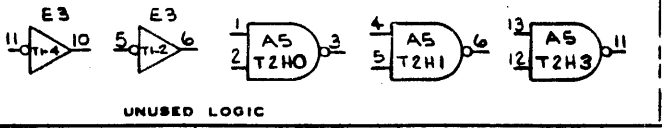
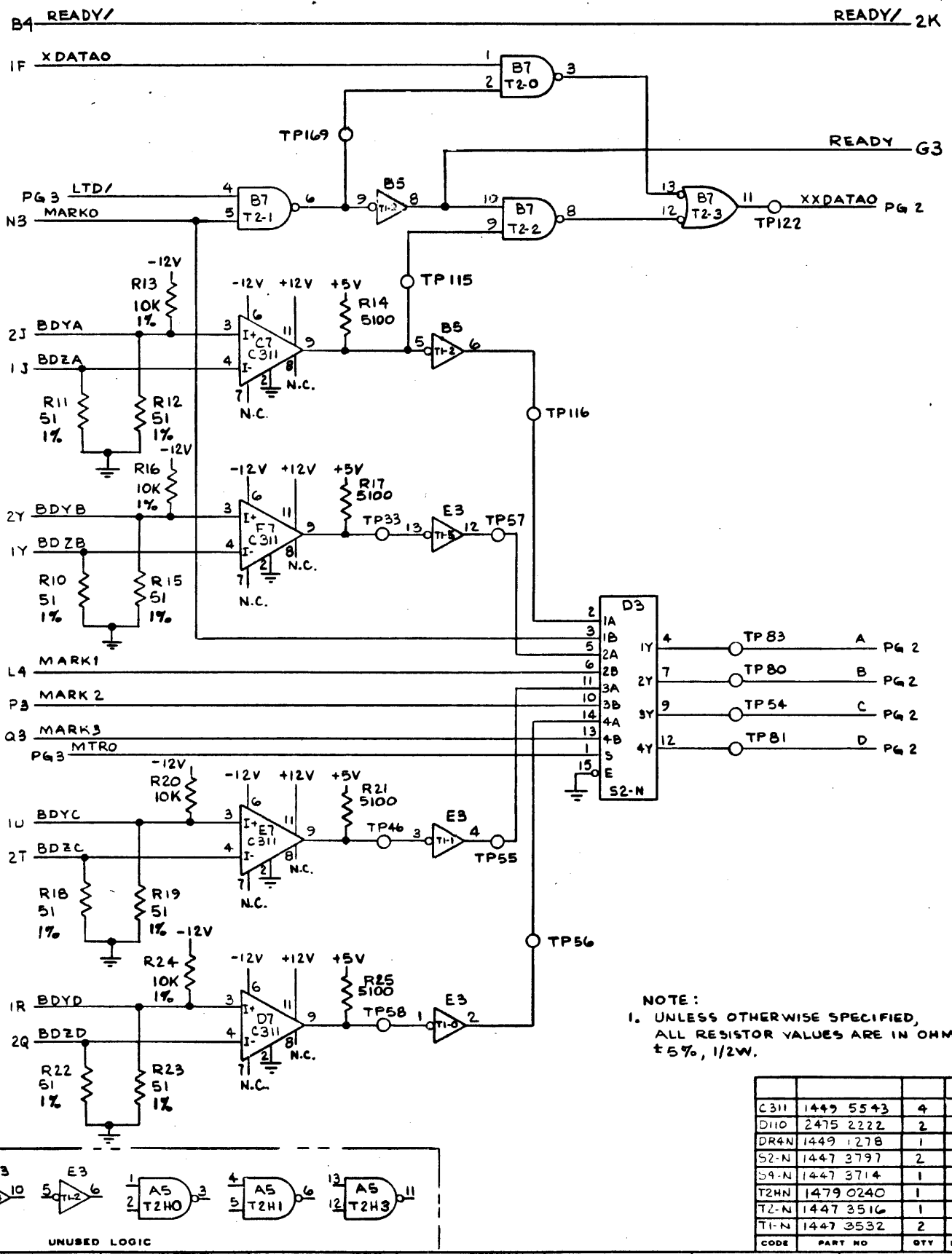
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TITLE		CLASS CODE	
DEK2		2-9520	
SHEET	DWG NO.	PLY NO.	REV
3	2605 1136	038	A

91



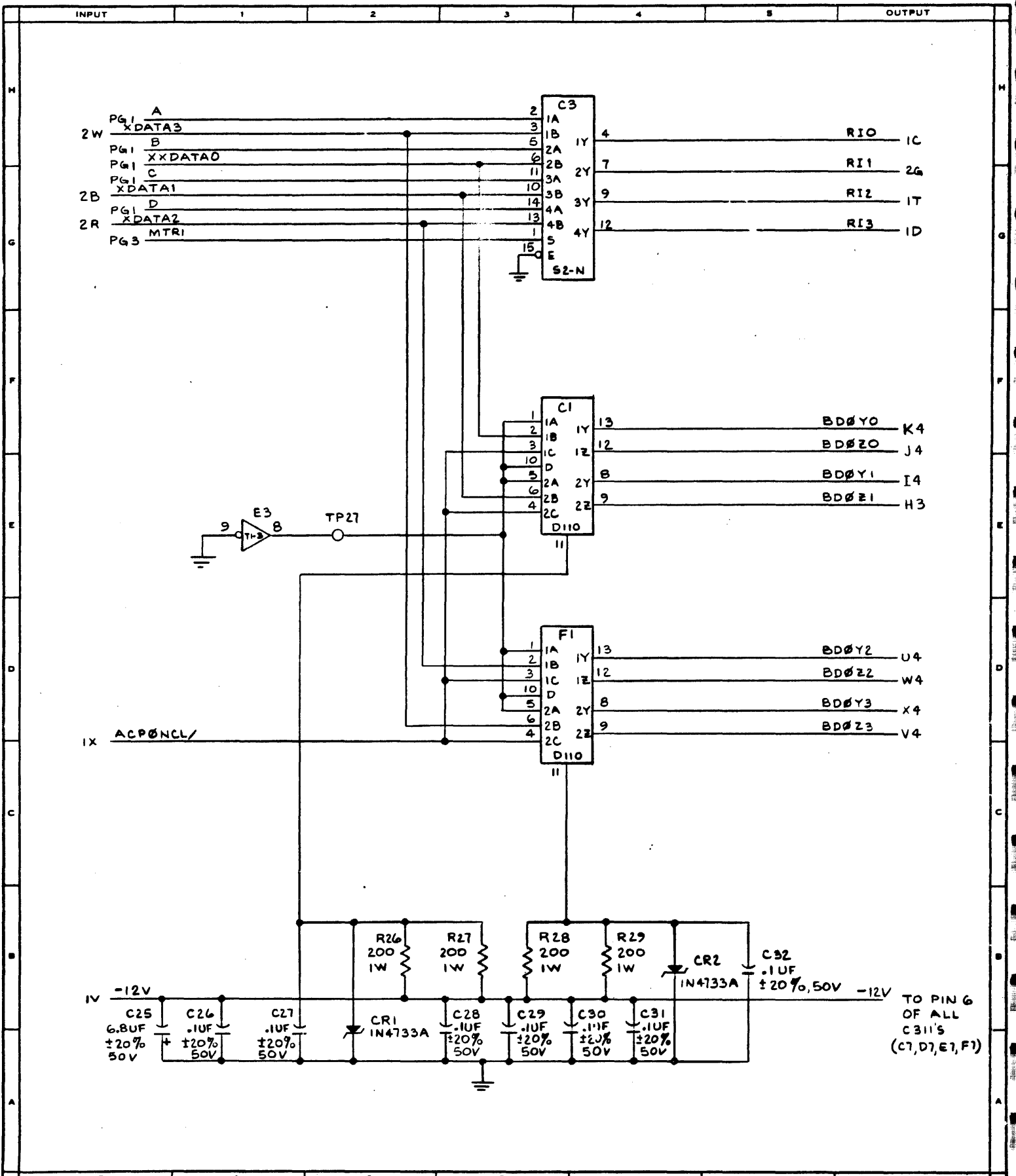


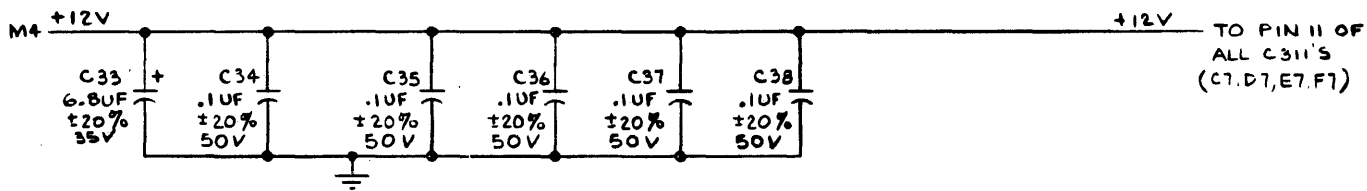
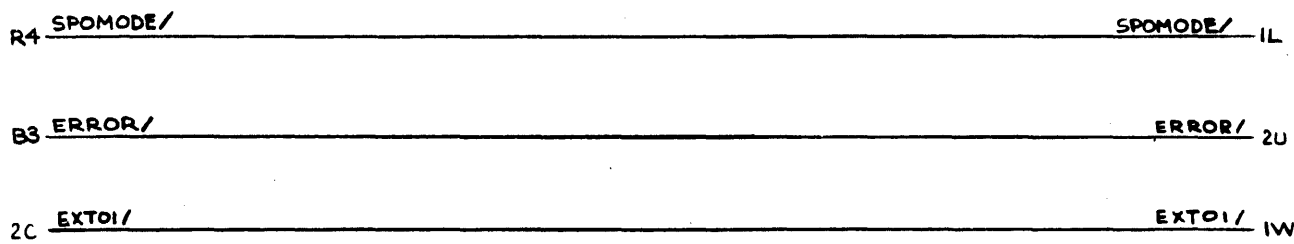
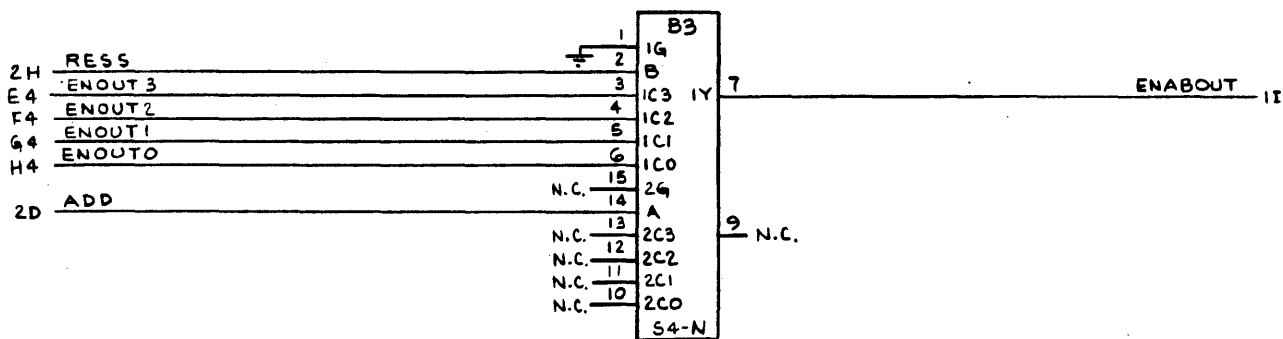
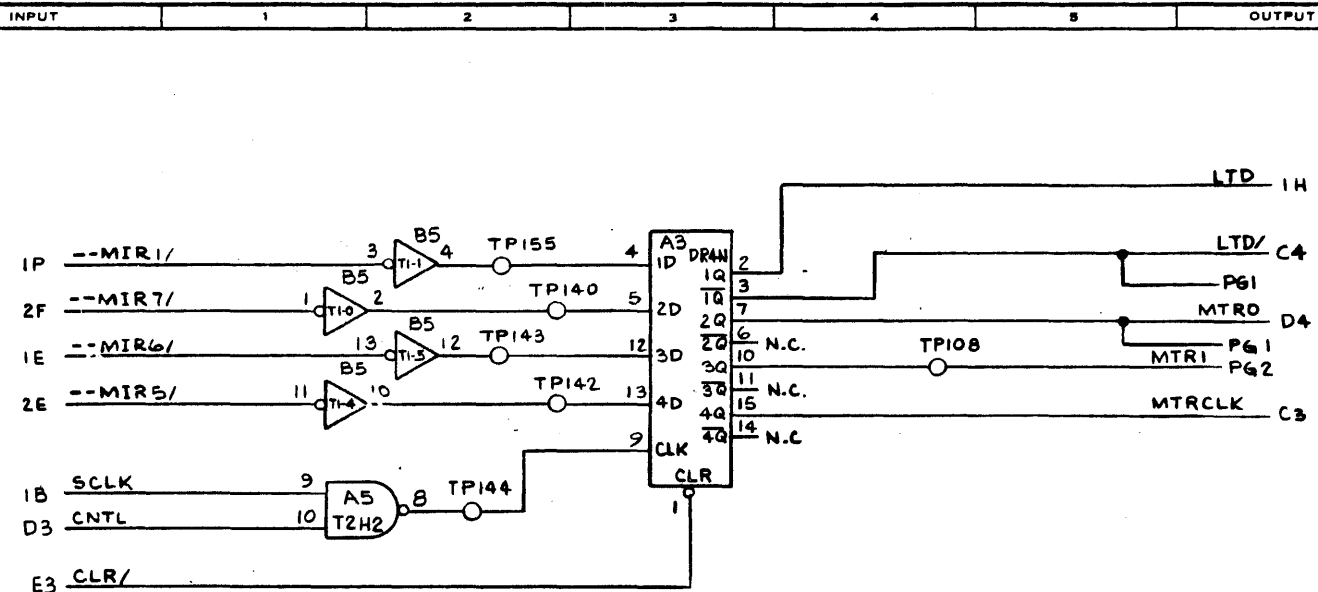
Burroughs Corporation
 COMPUTER SYSTEMS GROUP
 DOWNTOWN PLANT
 DOWNTOWN, PA. 19335
 U.S. AMERICA

REV	B	A	A
SH	1	2	3
REVISIONS	DATE	BY	CHKD
A			
B			

DESIGNER	J. SCHLENNER	DATE	4-22-75	TITLE	DEK 3	CLASS CODE	2-9520
CHECKED	C.L. FISCHER	DATE	5-2-75	SHEET	DWG NO.	PLY NO.	REV
DATE OF INGS	11-6-75	DATE	11-6-75	1 OF 3	2605 1169	038	B
PROVIDED BY	E. B. ...	DATE	7-11-75				

93





Burroughs Corporation

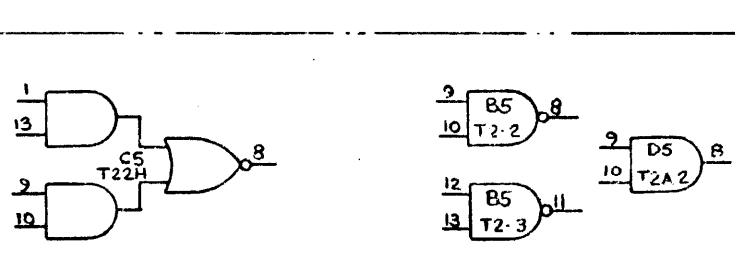
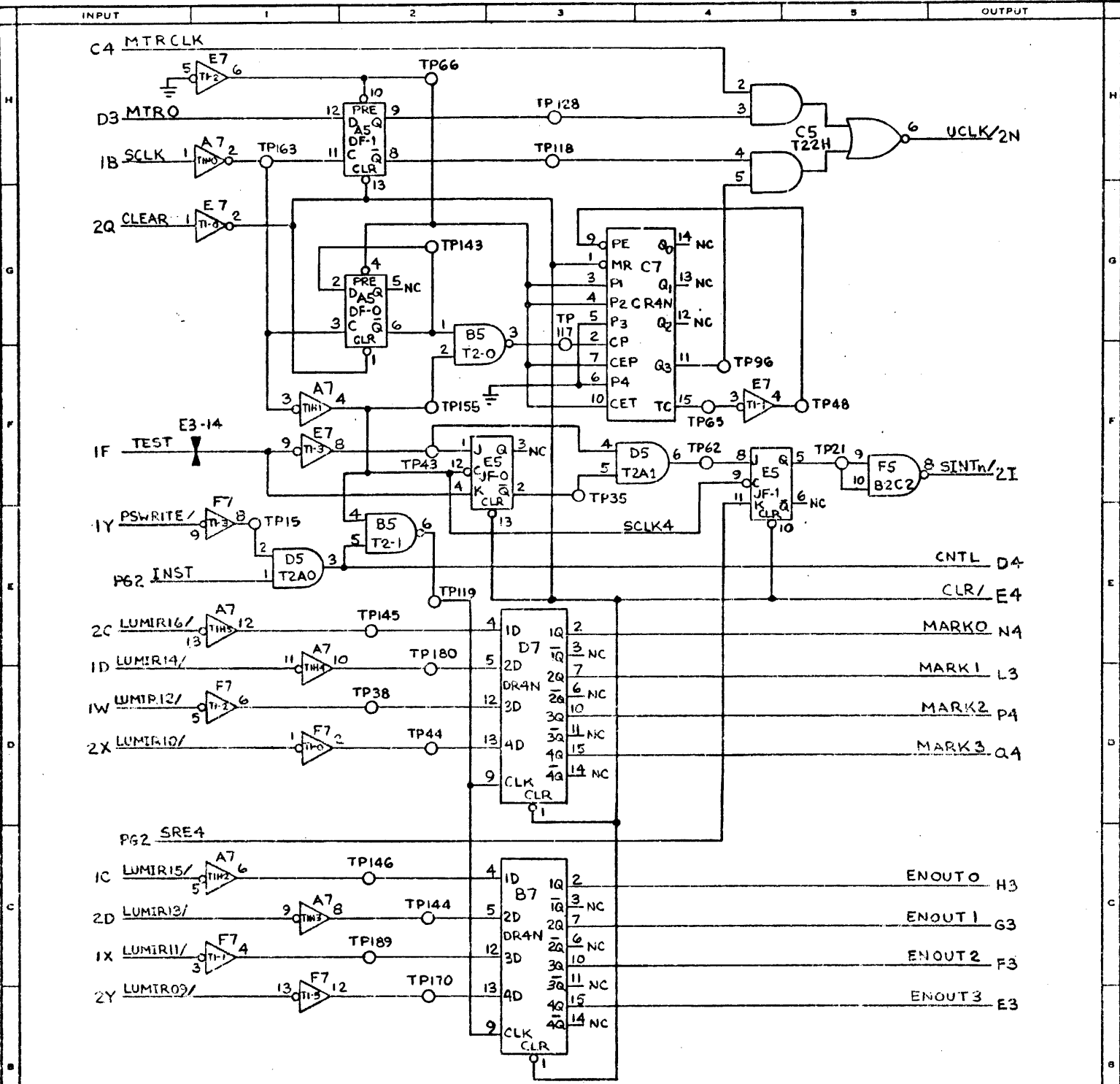
COMPUTER SYSTEMS GROUP DOWNINGTOWN PLANT
DOWNINGTOWN, PA. 19335 U.S. AMERICA

REVISIONS

TITLE		CLASS CODE	
DEK 3		2-9520	
SHEET	DWG NO.	PLY NO.	REV
3	2605 1169	038	A

95

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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	
TI-N	1447 3532	2	
TIHN	1479 7971	1	

DRAWING 44.131.2.5507

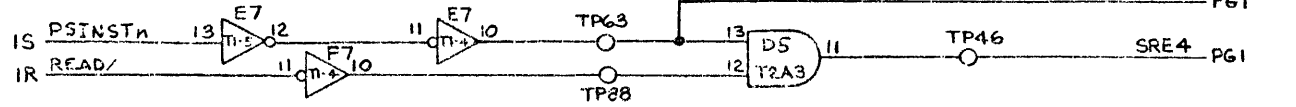
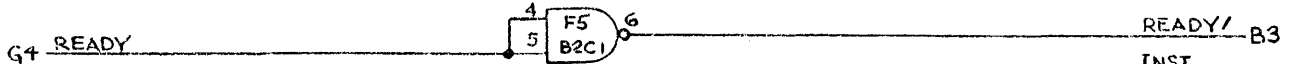
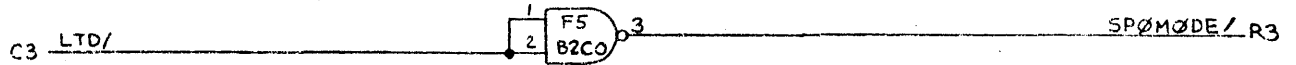
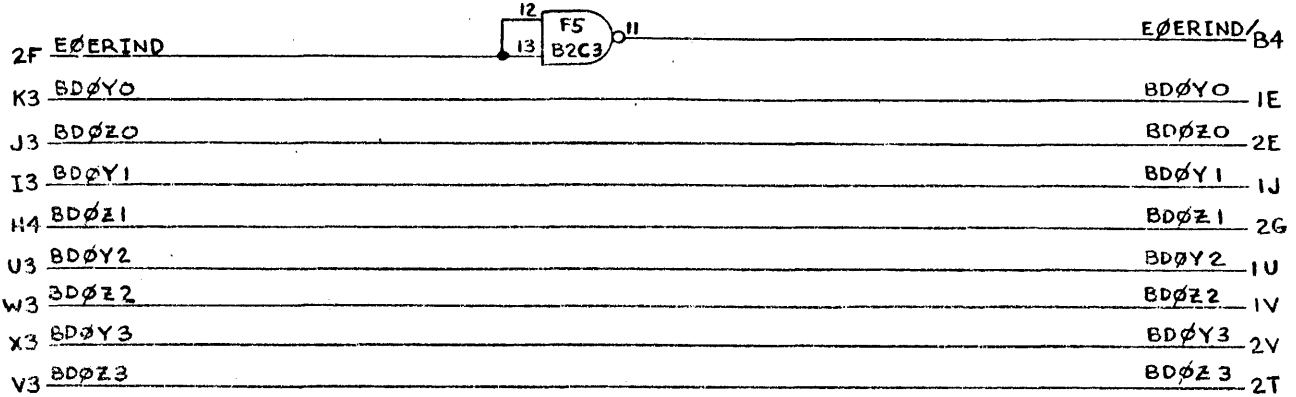
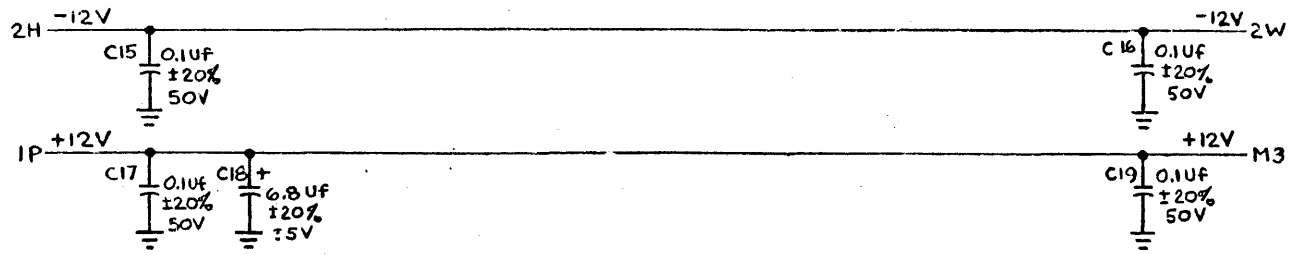
96 **Burroughs Corporation**

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

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REV	SH	DATE	BY	TITLE	CLASS CODE
1	A	9-1-75	C. B. SCHOFF	DEK 4	2-9520
2	A	5-8-75	R. A. ...	SHEET 2	PLT NO. 2605 1193
3	A	12-8-75	A. ...	1 of 2	038 A
4	A	9-11-77	...		

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

97

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DTM 140 12724

Burroughs Corporation



COMPUTER SYSTEMS GROUP
DOWNTOWN PLANT
DOWNTOWN, PENNSYLVANIA 19335

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ORDER OR PRIOR WRITTEN
CONSENT

NUMBER

2606 4584

REV

A

TITLE

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

PREPARED BY

APPROVED BY

H. Caswell 3/11/76
H. Caswell

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.

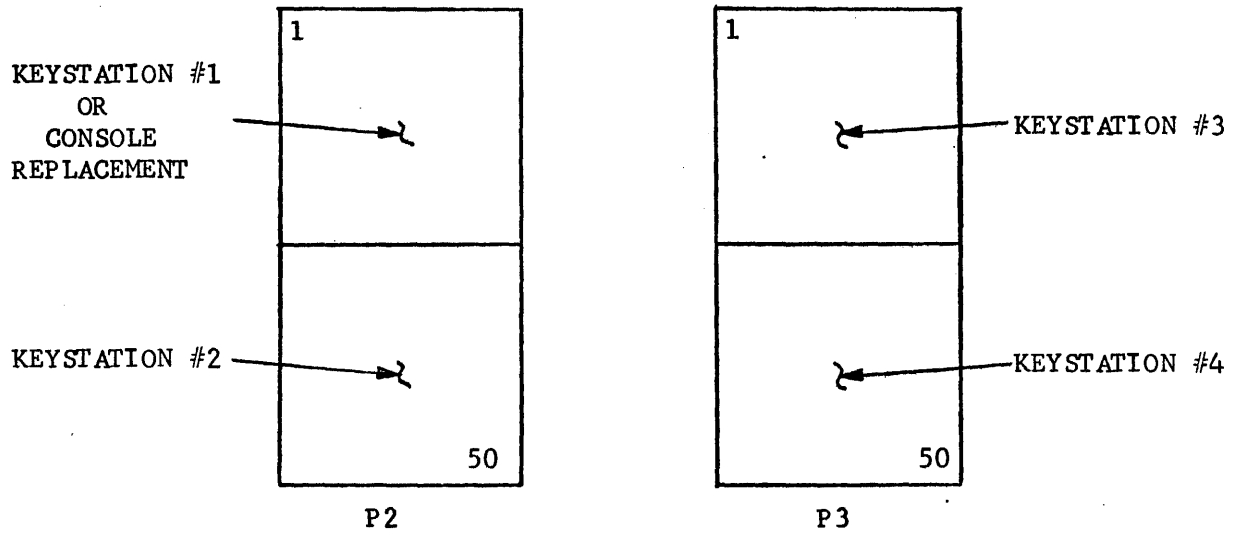


Figure 1. Adapter Cable Connector/Keystation Assignments

DWG NO.
1449 5360

SHEET **2** OF

RELEASED
PER **ER 84 81-28**

ECN **2045**
GB **1-25-74 (PL)**

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	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.

DRAWN
KAPPE
DATE
1-26-73

CHECKED
[Signature]
DATE
7-23-73

DSGNDR ENGR
E. B. [Signature]
DATE
1/27/73

APPROVED
[Signature]
DATE
7/1/73

Burroughs Corporation 

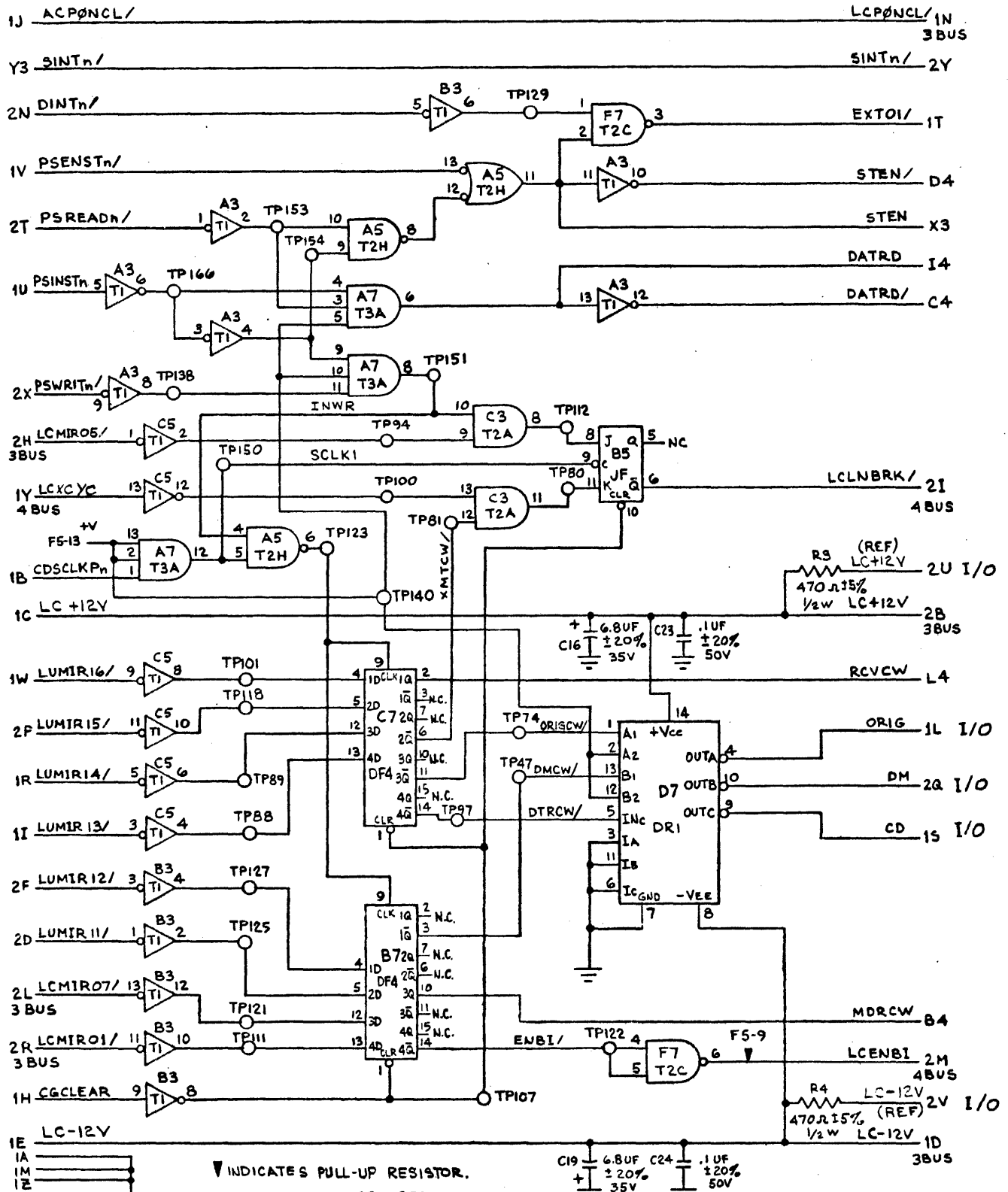
SMALL SYSTEMS PLANT
DOWNTOWN, PA. 19338, U.S.AMERICA

TITLE
WIRE LIST
CABLE ASSY
RJE/MODEM

SHEET
2 OF

DWG NO
1449 5360

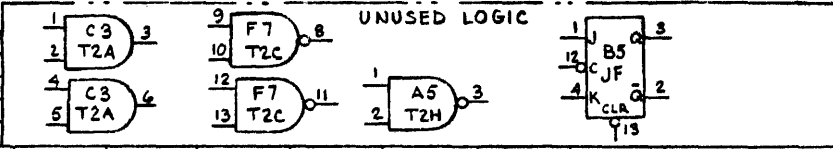
SCHMATIC



▽ INDICATES PULL-UP RESISTOR.

C19 6.8UF ±20% 35V
C24 .1UF ±20% 50V

T2H	1479 0240	1	D71	1449 1328	1
T2C	1447 3581	1	DF4	1449 1278	2
T2A	1447 3524	1	JF	1447 3615	1
T1	1447 3532	3	T3A	1447 3557	1
CODE	PART NO	QTY	CODE	PART NO	QTY



DP 1/2
SH

Burroughs Corporation

MAGNETIC SYSTEMS PLANT
DOWNINGTOWN, PA 19338

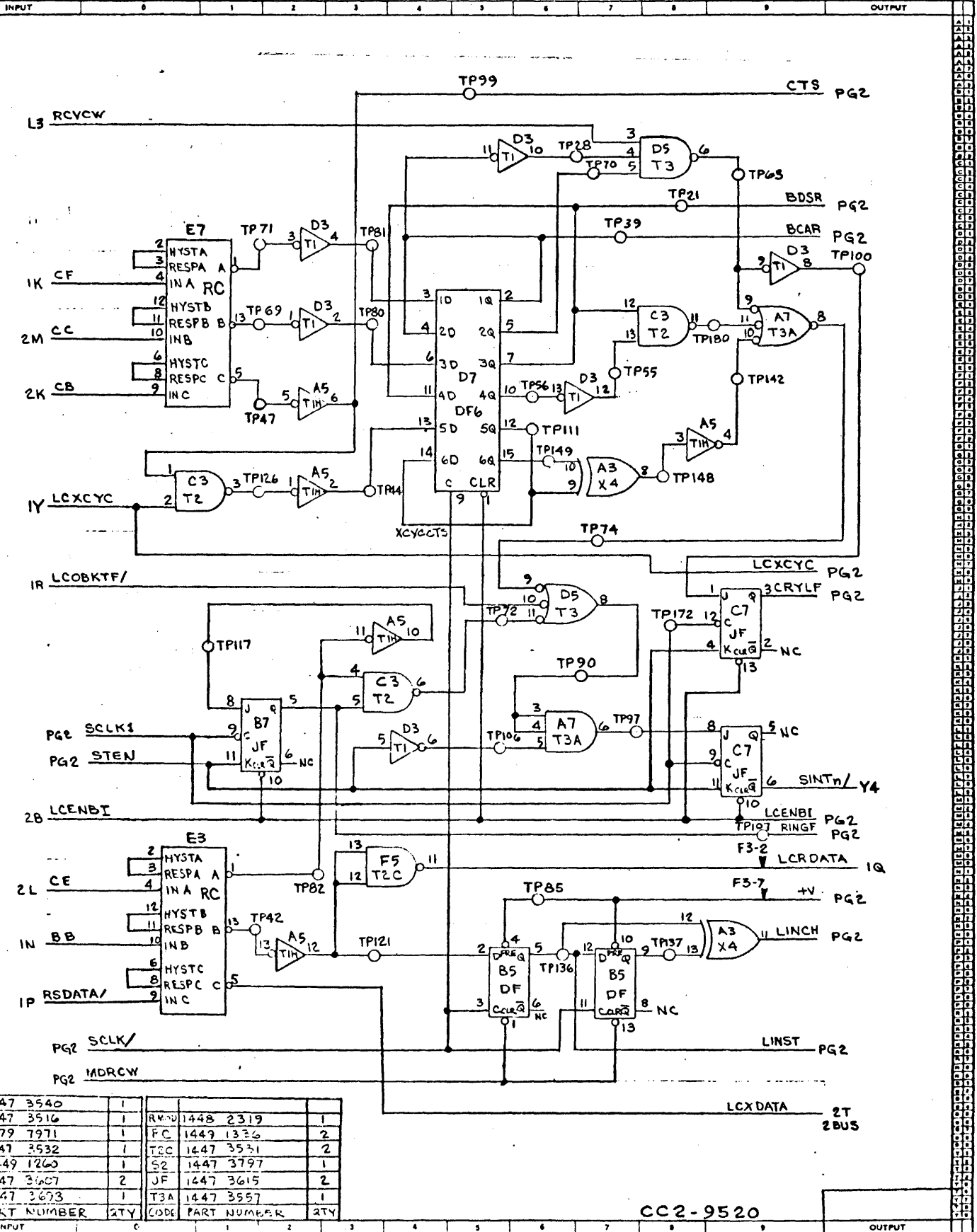
TITLE COMMAND LC1

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

CHECKED C. STIMSON
RELEASED 8-20-73

DWG. NO. 1449 4363
PAGE 1 OF 1
REV. LETTER B PERCAL
SEP 14 74 111
2022

SCHEMATIC



T3	447	3540	1			
T2	1447	3516	1	RM-0	1448	2319
TIH	479	7971	1	FC	1449	1336
T1	1447	3532	1	T2C	1447	3531
	1449	1260	1	S2	1447	3797
DF	1447	3607	2	JF	1447	3615
Y4	1447	3673	1	T3A	1447	3557
QCS	PART NUMBER		QTY	CODE	PART NUMBER	

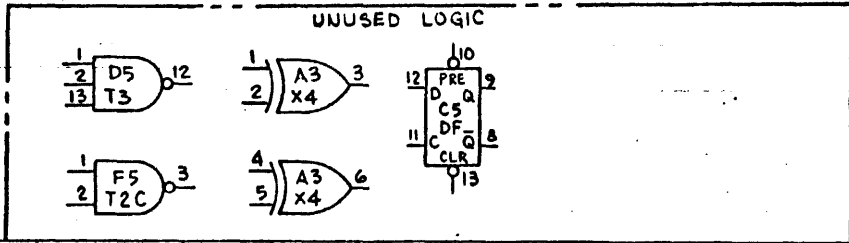
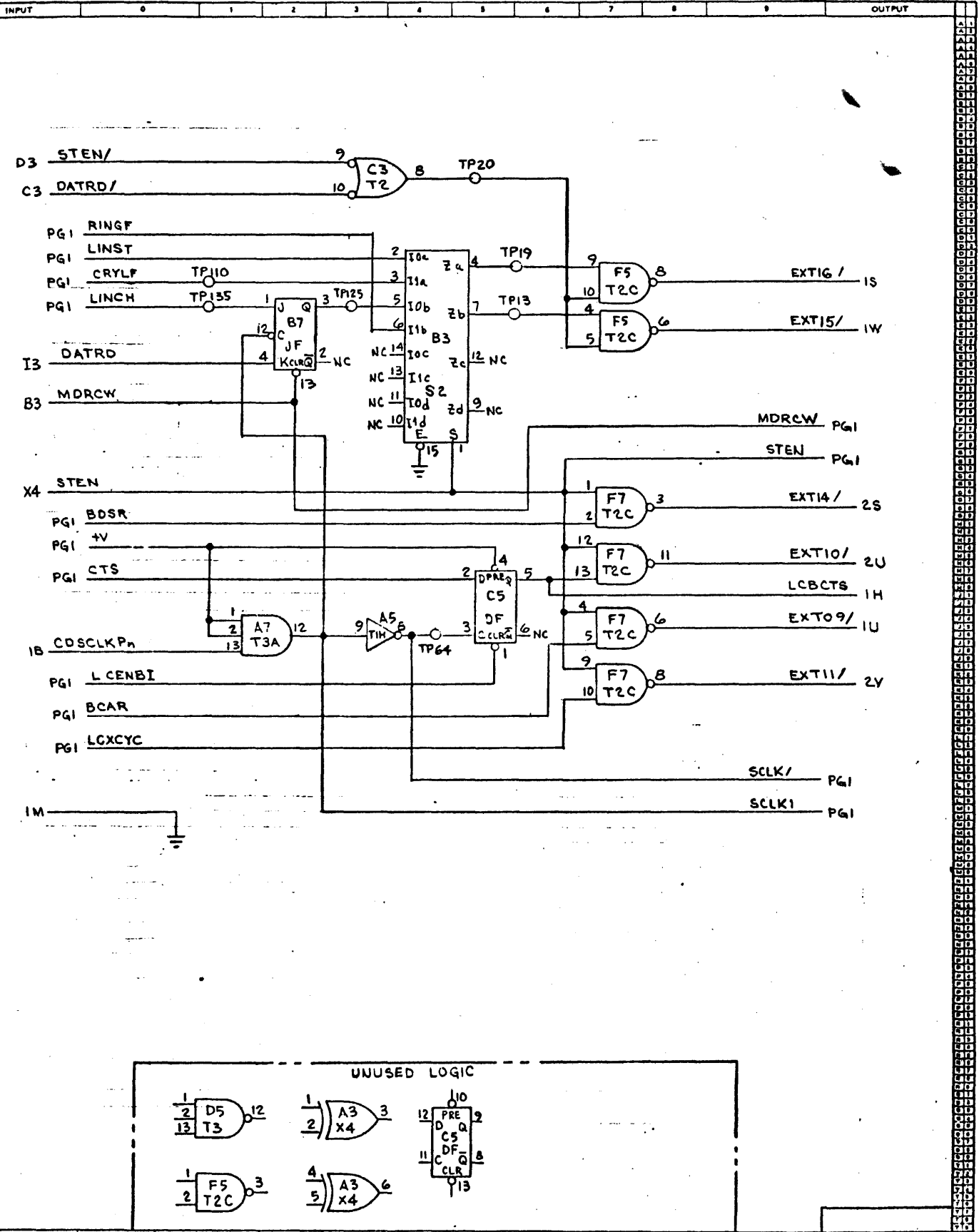
CC2-9520

Burroughs Corporation
 MAGNETIC SYSTEMS PLANT DOWNTOWN PA 19335

103

TITLE STATUS (LC2)
 SYSTEM B770
 DRAWN J.D. JAN 73
 APPROVED
 CHECKED C. LEISNER 8-20-73
 RELEASED 8-20-73
 DWG. NO. 1449 4397
 PAGE 1 OF 2
 REV. LETTER E
 8-20-73

SCHMATIC



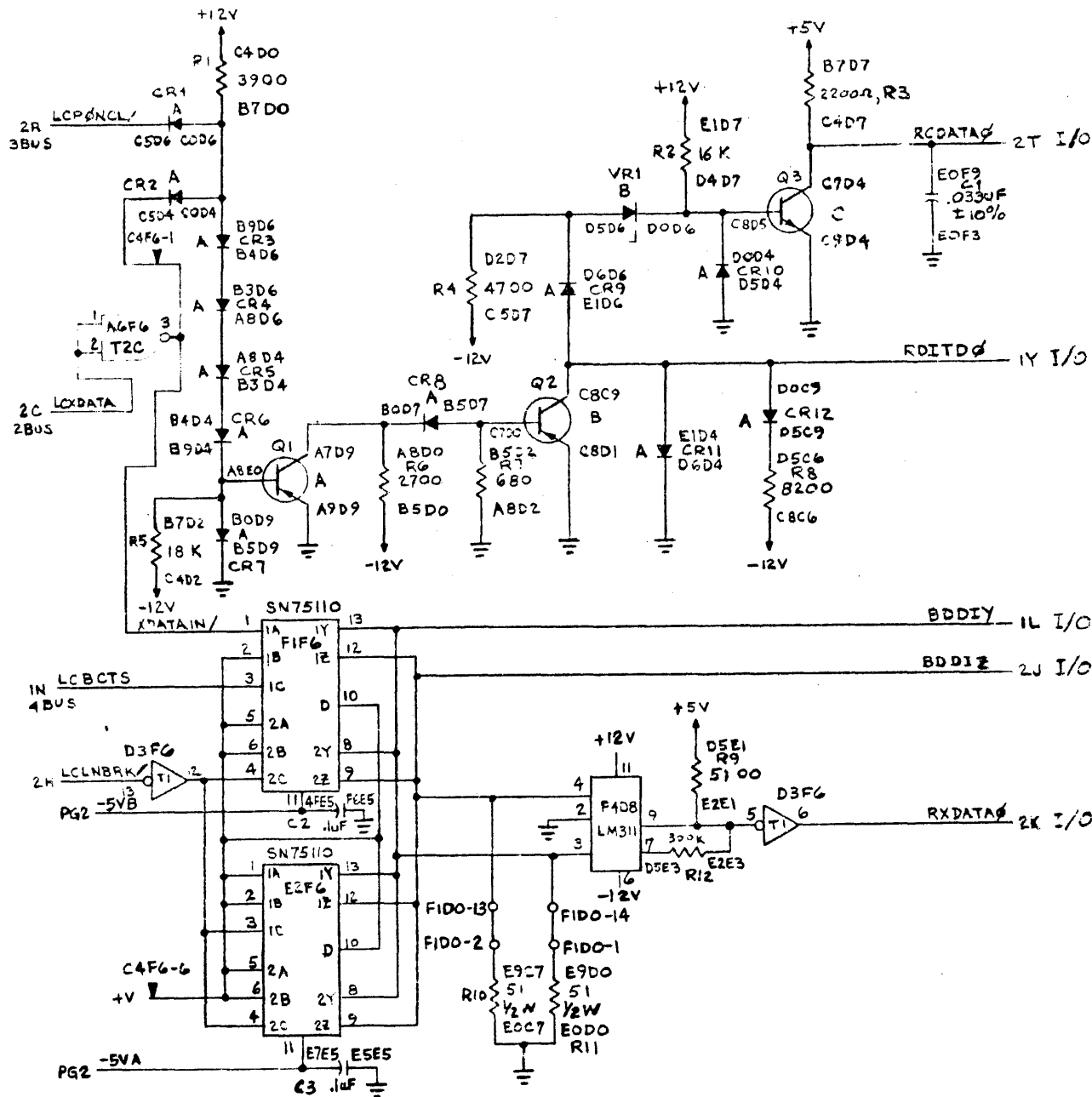
INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

Burroughs Corporation
MAGNETIC SYSTEMS PLANT 3 DOWNTOWN PA 19338

TITLE STATUS (LC2)
SYSTEM B770
DRAWN J-D 31 JAN 73
APPROVED
CHECKED C.A. RICHARDSON
RELEASED 8-20-73
DWG. NO. 1449 4397
PAGE 2 OF 2
REV. LETTER A REL
ER 94

104

SCHMATIC



NOTES:

1. FOR ASSEMBLY SEE 1449 4405.
2. 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
3. UNLESS OTHERWISE SPECIFIED, ALL RESISTOR VALUES ARE IN OHMS, ± 5%, 1/2W

CODE	PART NO.	QTY
R	1448 2319	1
SN75110	2475 2222	2
LM311	1449 5543	1
T2C	14 47 3581	1
T1	1447 3532	1

CC2-9520

Barrington Corporation
 MAGNETIC SYSTEMS PLANT
 1000 W. BROADWAY, NEW YORK, N.Y. 10018

TITLE DIRECT CONNECT LCB
 SYSTEM B770
 -AAN C. JOHNSON
 APPROVED
 RELEASED 9-20-73

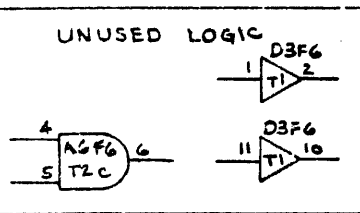
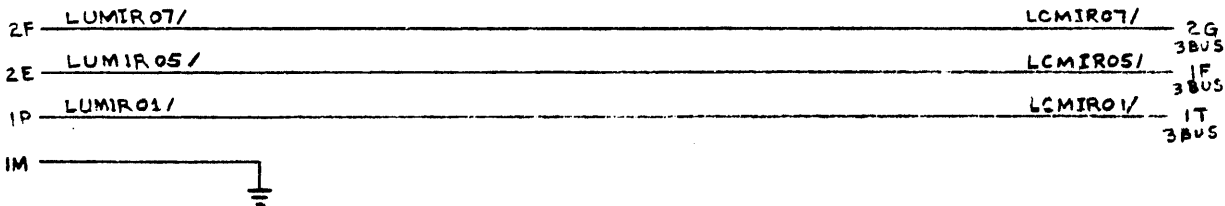
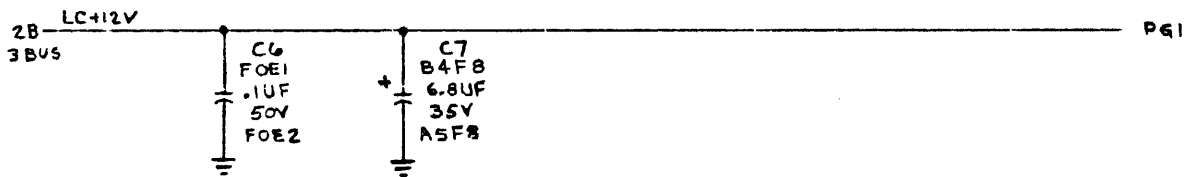
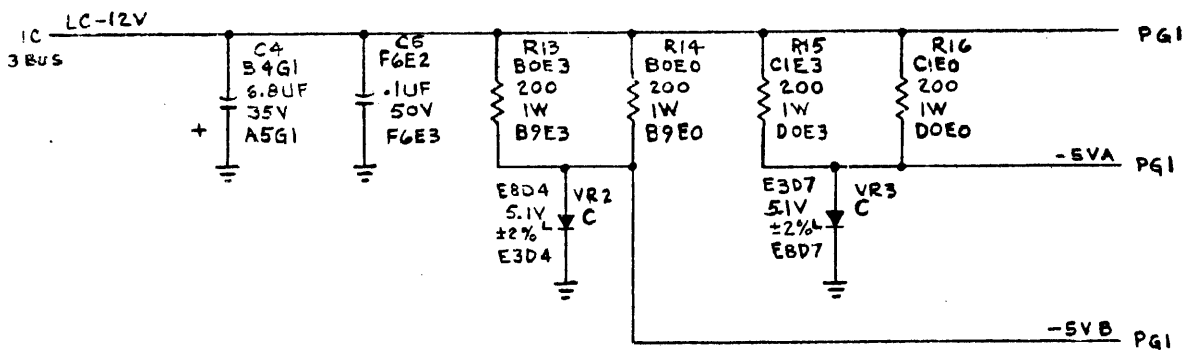
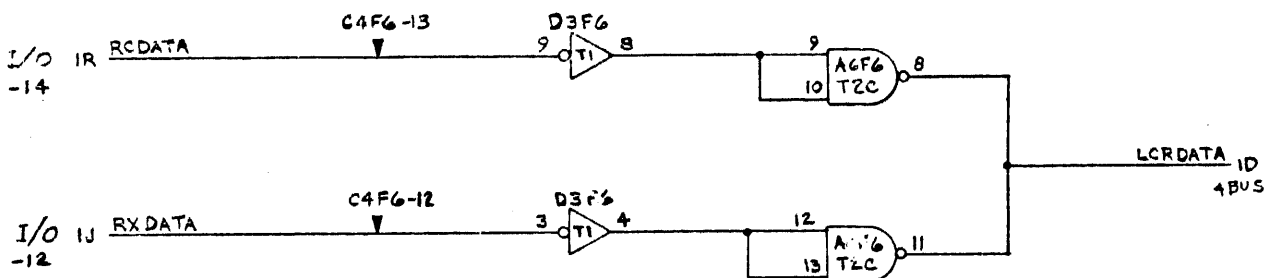
DWG NO. 1449 4421
 PAGE 1 OF 2
 REV LETTER E ECN 44/1

1 PG
 C REV

105

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

Burroughs Corporation
MAGNETIC SYSTEMS PLANT DOWNINGTOWN, PA 19338

TITLE DIRECT CONNECT LC3
SYSTEM E 770
DRAWN J 507MR 237875 CHECKED CCB
APPROVED RELEASED 8-20-73

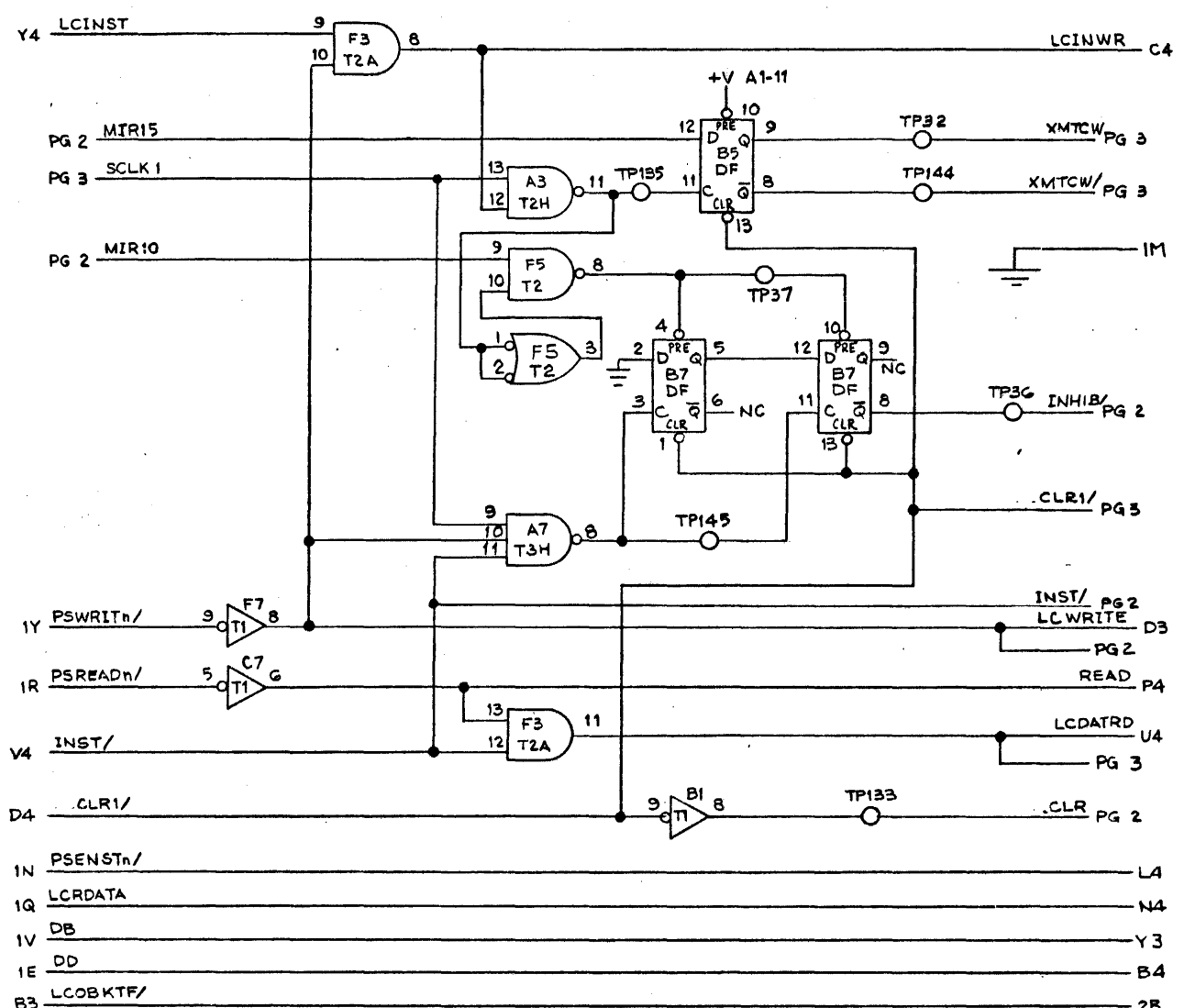
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PAGE 2
REV. LETTER C FIELDEN 2039

106

106

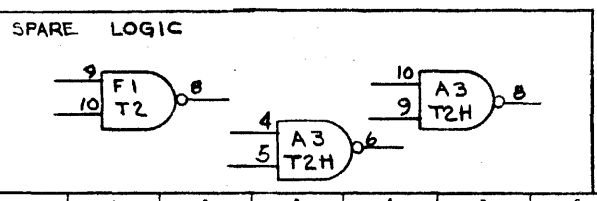
SCHEMATIC

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



I/O-37
I/O-50

CODE	PART NUMBER	QTY
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 8780	1
T3A	1447 3557	2
T2A	1447 3524	1
T2	1447 3516	3
T1	1447 3532	3



CC2-9520

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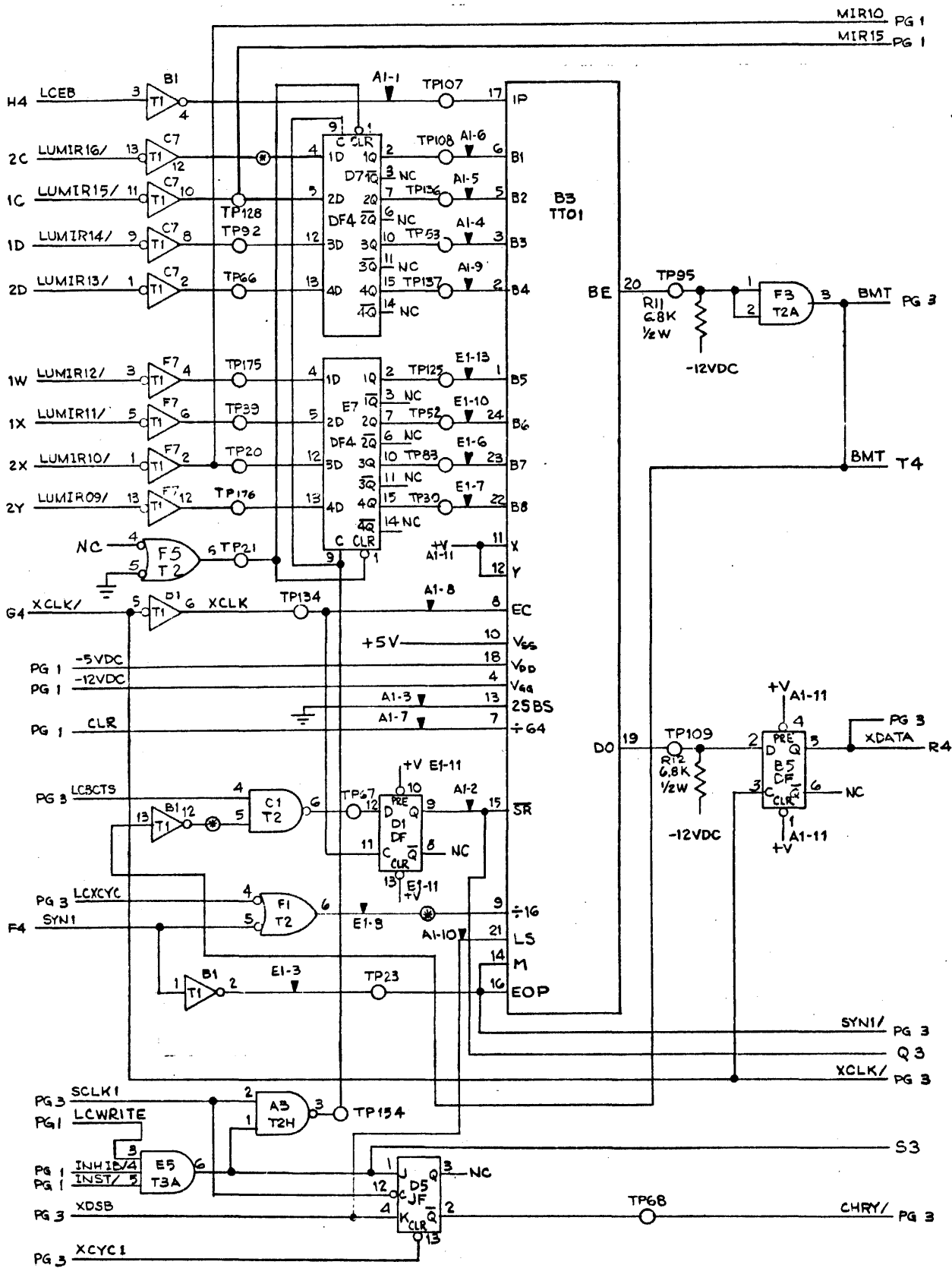
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SYSTEM B770
DRAWN J. INCH
APPROVED
CHECKED *R. ...*
RELEASED 8-20-73
DWG. NO. 1449 4454
PAGE 1 OF 3
REV. LETTER D ECH 3721
DWF 2-20-73

3	2	1	PAGE NO
C	D	D	REV LSV

SCHMATIC

INPUT

OUTPUT



MIR10 PG 1
MIR15 PG 1

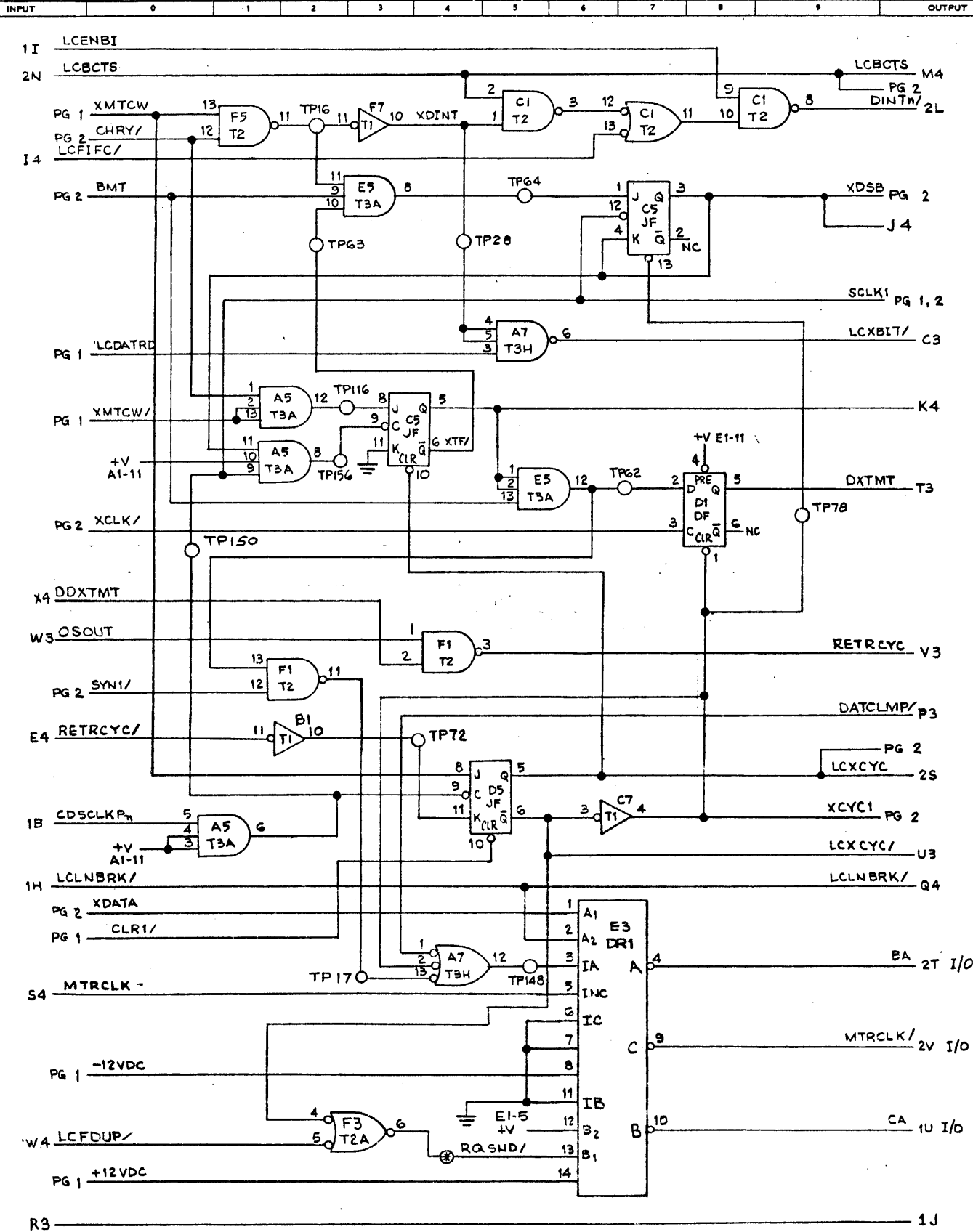
CC2-9520

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 *[Signature]* 3/1/73 DWG. NO. 1449 4454
RELEASED 8-20-73 PAGE 2
REV. LETTER D ECN 3721
DWF 2-20-75
PRINTED IN U.S.A.

SCHMATIC



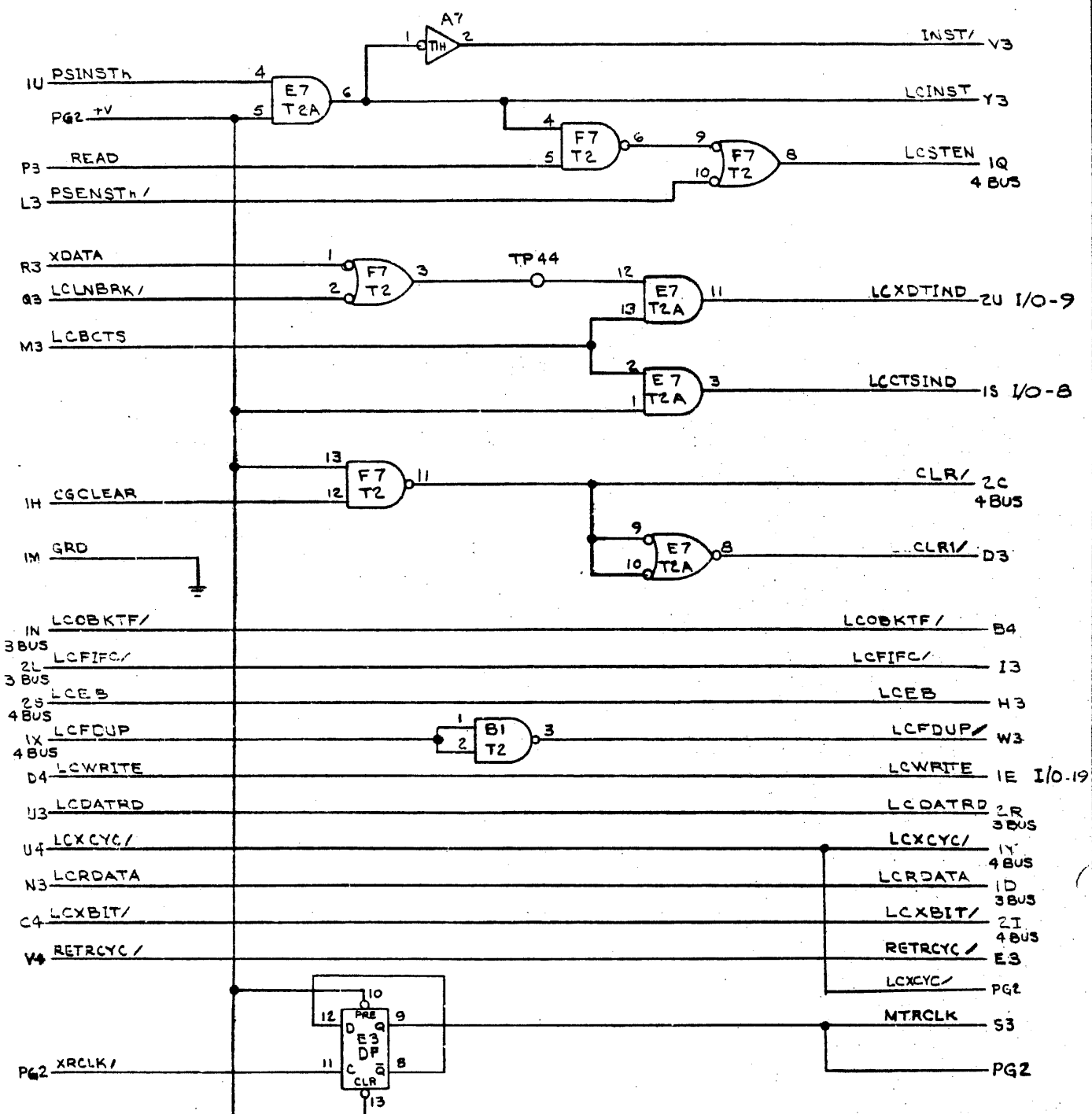
INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

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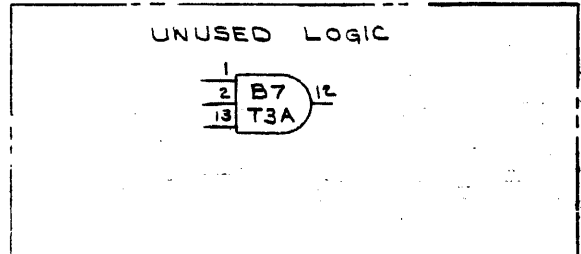
TITLE TRANSMIT (LC4)
 SYSTEM R 770
 DRAWN J INCH
 APPROVED
 CHECKED *R. W. J. / 7/5/73*
 RELEASED 8-20-73
 DWG. NO. 1449 4454
 PAGE 3
 REV. LETTER C ECN 2011
 8/29/74

SCHEMATIC

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



RMOD	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 12/24/63 CHECKED C.A. BISHOFF
APPROVED RELEASED 9-2-73

DWG. NO. 1449 4483
PAGE 1 OF 2
REV. LETTER G

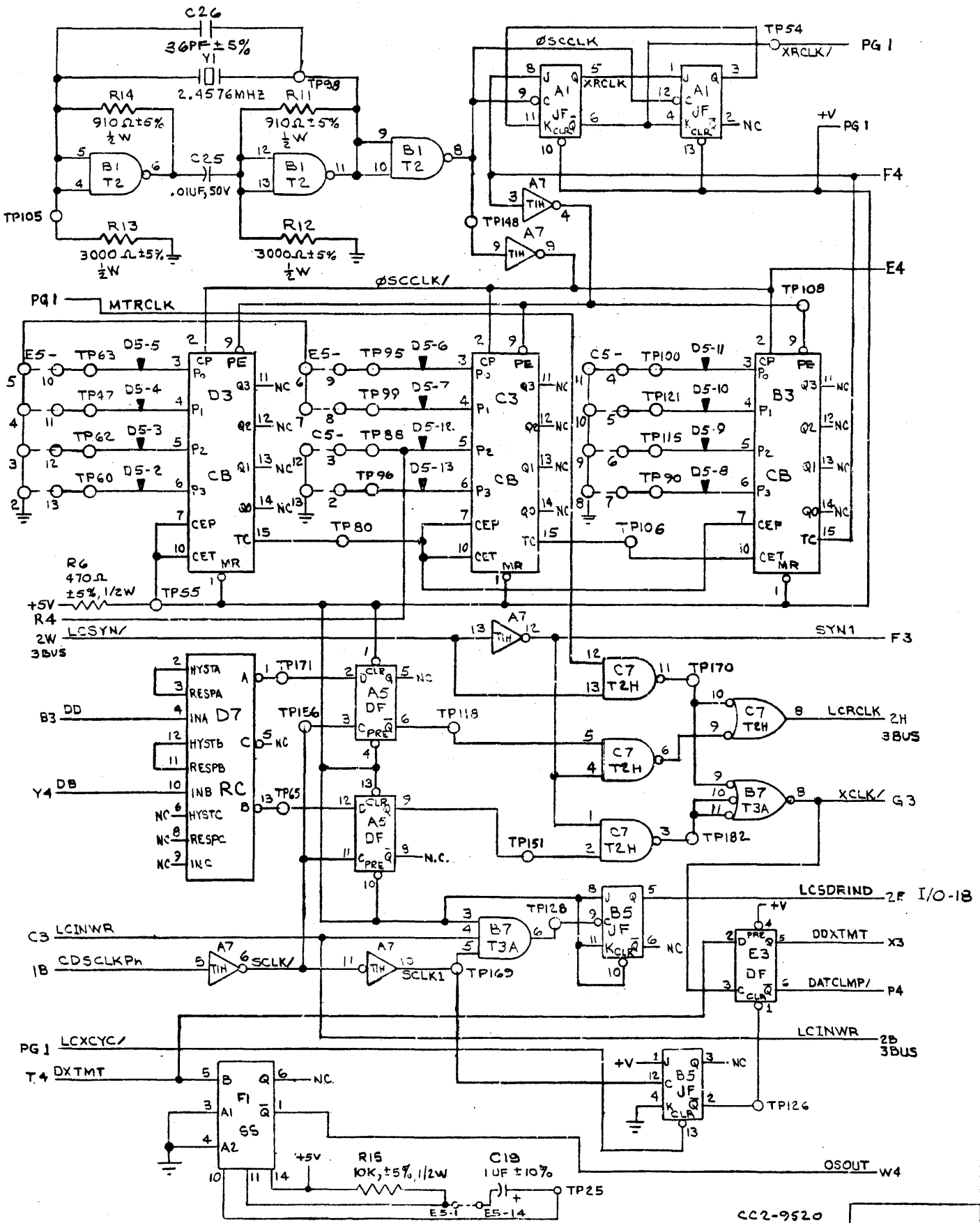
SHT 1 2
REV G G

110

PRINTED IN U.S.A.

SCHMATIC

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

MAGNETIC SYSTEMS PLANT DOWNINGTOWN PA 19335

TITLE CLK LC5

SYSTEM 5770

DRAWN BY JOSEPH (JWART)

APPROVED

CHECKED C. B. SCHOFF

RELEASED 3-13-73

DWG. NO. 1449 4488

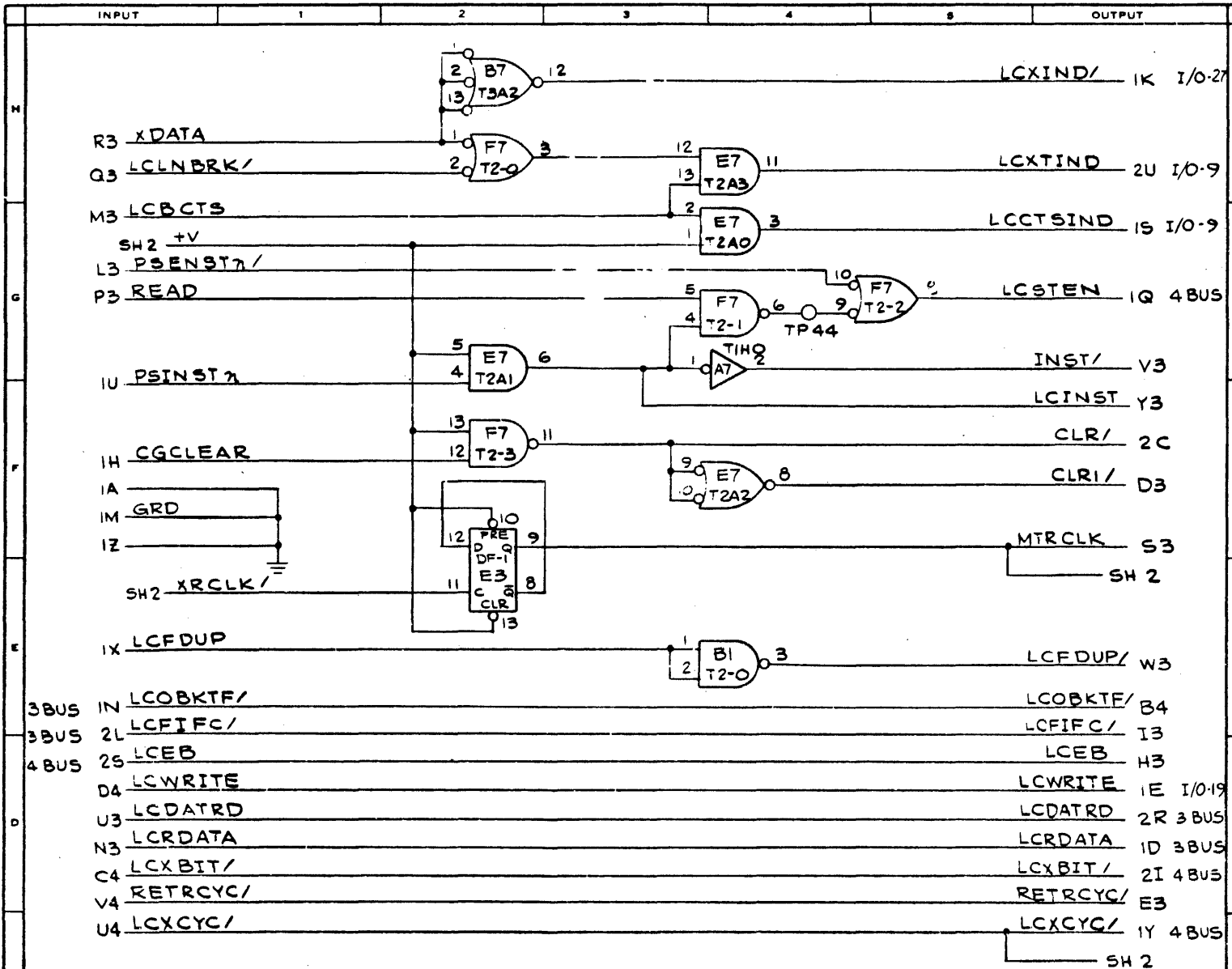
PAGE 2 OF 2

REV. LETTER G

CC2-9520

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111



UNUSED LOGIC

RMOD	1448	2516	1	
T2AN	1447	3524	1	
LRO1	1449	1336	1	
CRAN	1447	3771	3	
JF-N	1447	3615	2	
TIHQ	1449	7971	1	
ES-N	1447	3706	1	
T2-N	1447	3516	2	
FE-N	1447	3607	2	
T2HN	1479	0240	1	
T3AN	1447	3557	1	
CODE	PART NO	QTY	LOCATION	

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REV SH 1 B 2

REVISIONS A REL ECN4744 2 B

DATE 5-20-74

TITLE LC5

CLASS CODE 2-9520

112

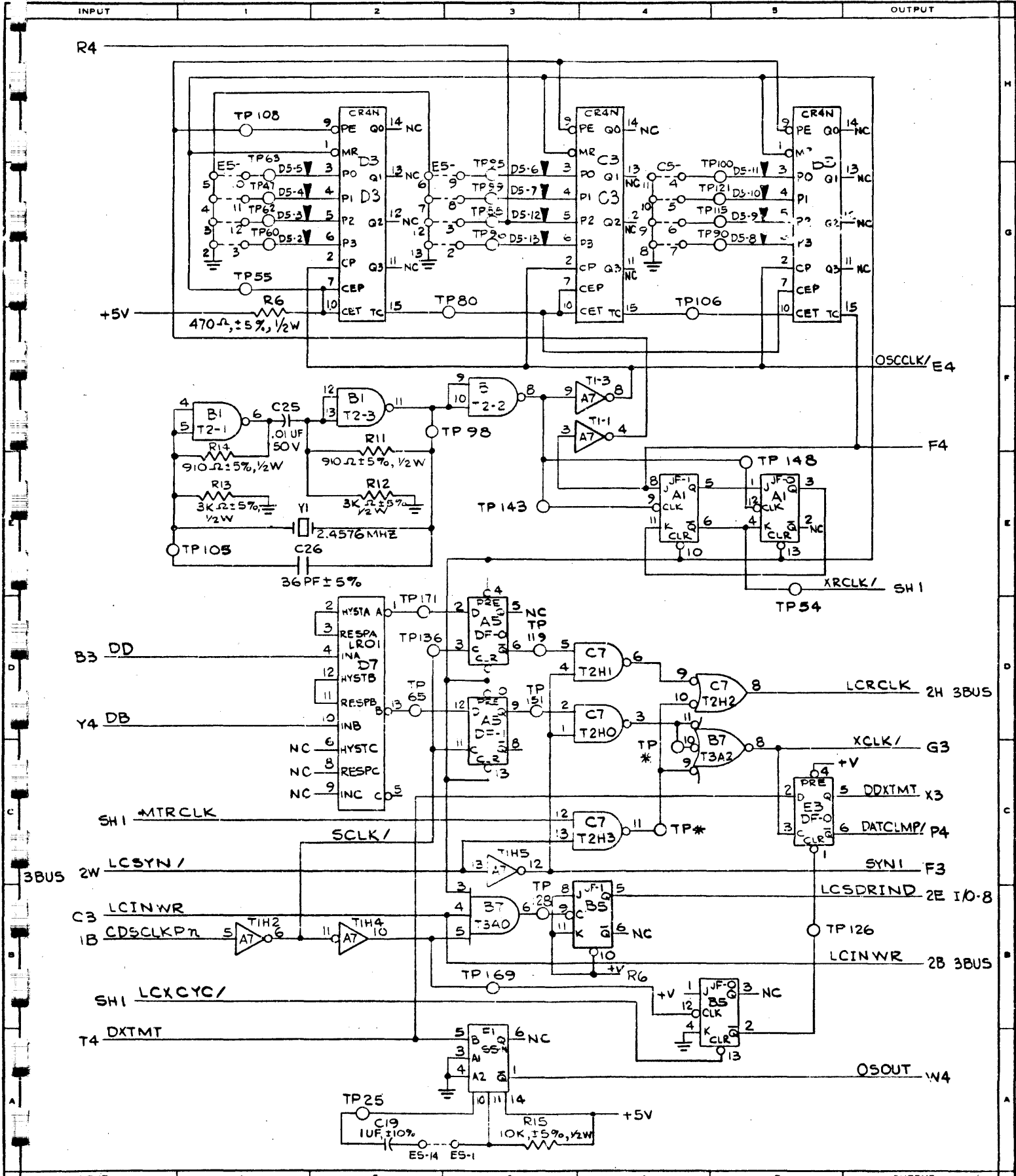
SHEET 1 OF 2 DWG NO. 2608 3410

PLT NO. 038

REV E

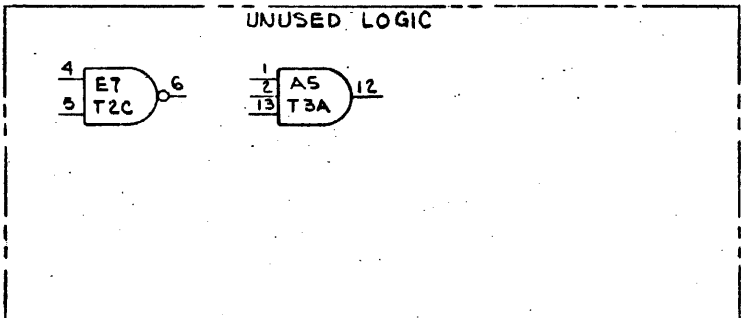
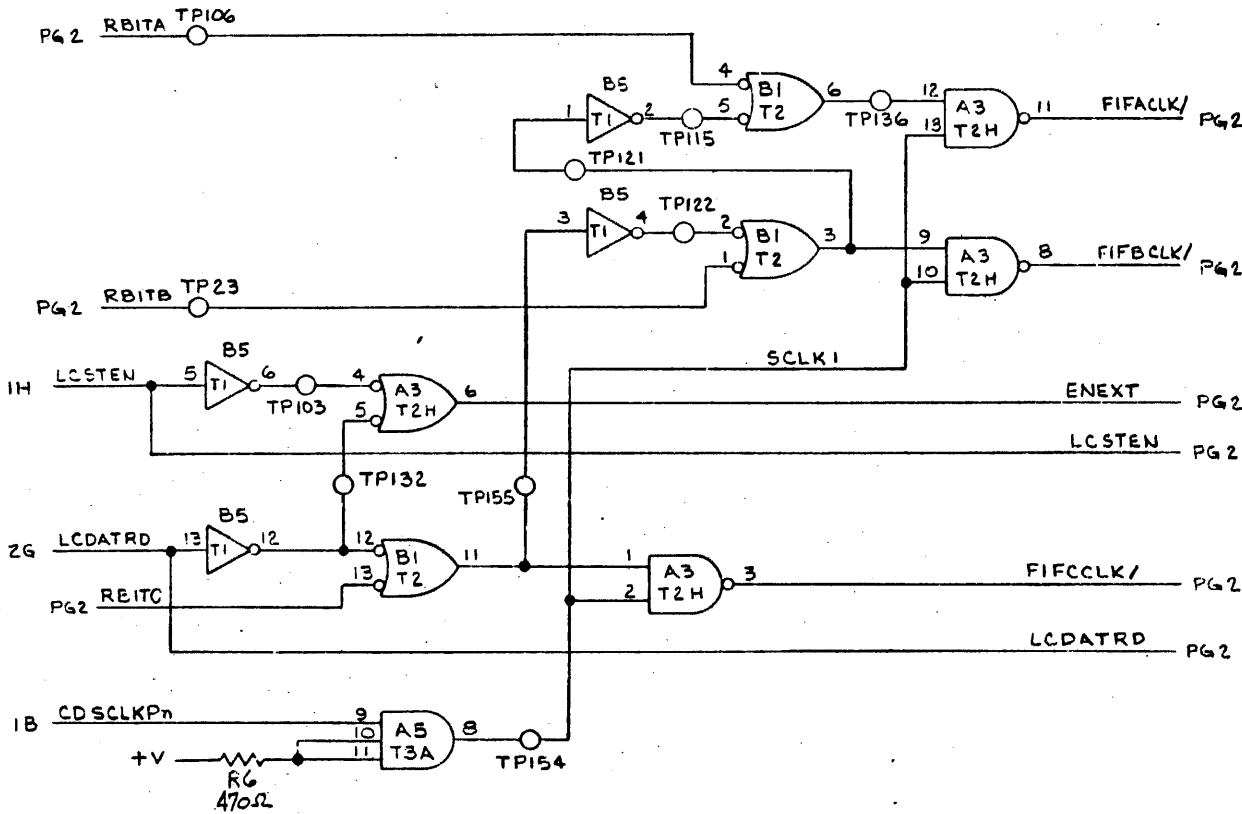
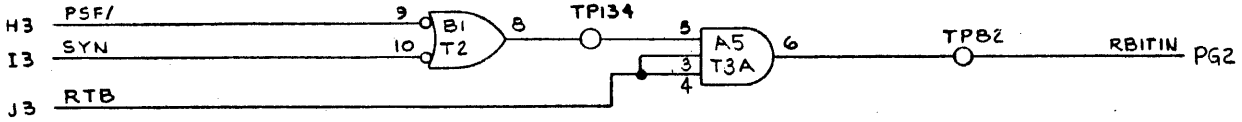
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DTM 74 REV 12-74



SCHEMATIC

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



CODE	PART NO.	QTY
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

CC2-9520

SH

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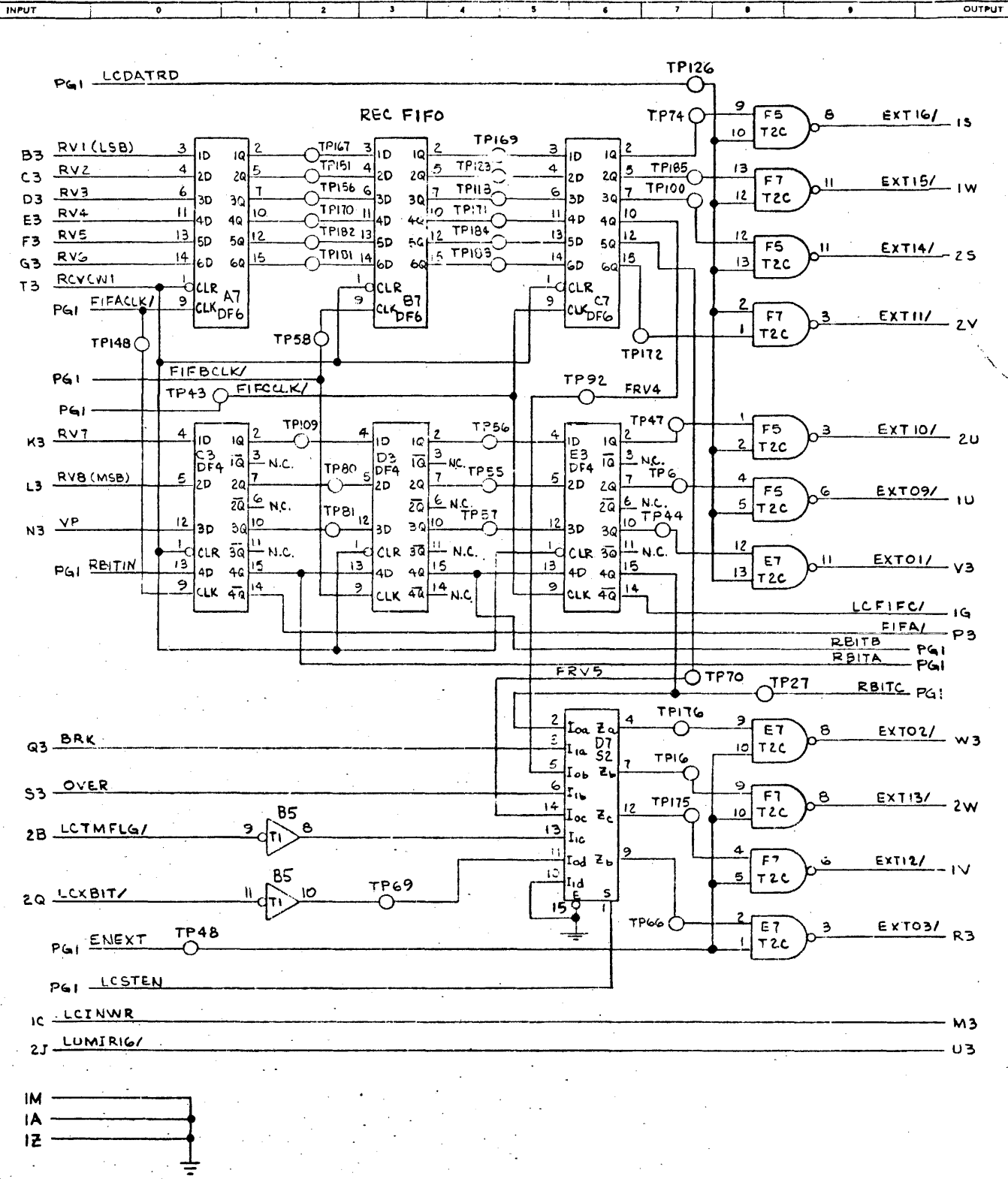
TITLE LCG FIFO
 SYSTEM B770
 DRAWN J. SCHLENNER CHECKED *[Signature]*
 APPROVED B. DINGEMAN RELEASED 2-15-73

DWG. NO. 1449 3241
 PAGE 1 OF 2
 REV. LETTER B ECN4717
 SH 2 663876

SHT 1 2
 REV B B

114 3/29/73 160-73

SCHMATIC



CC2-9520

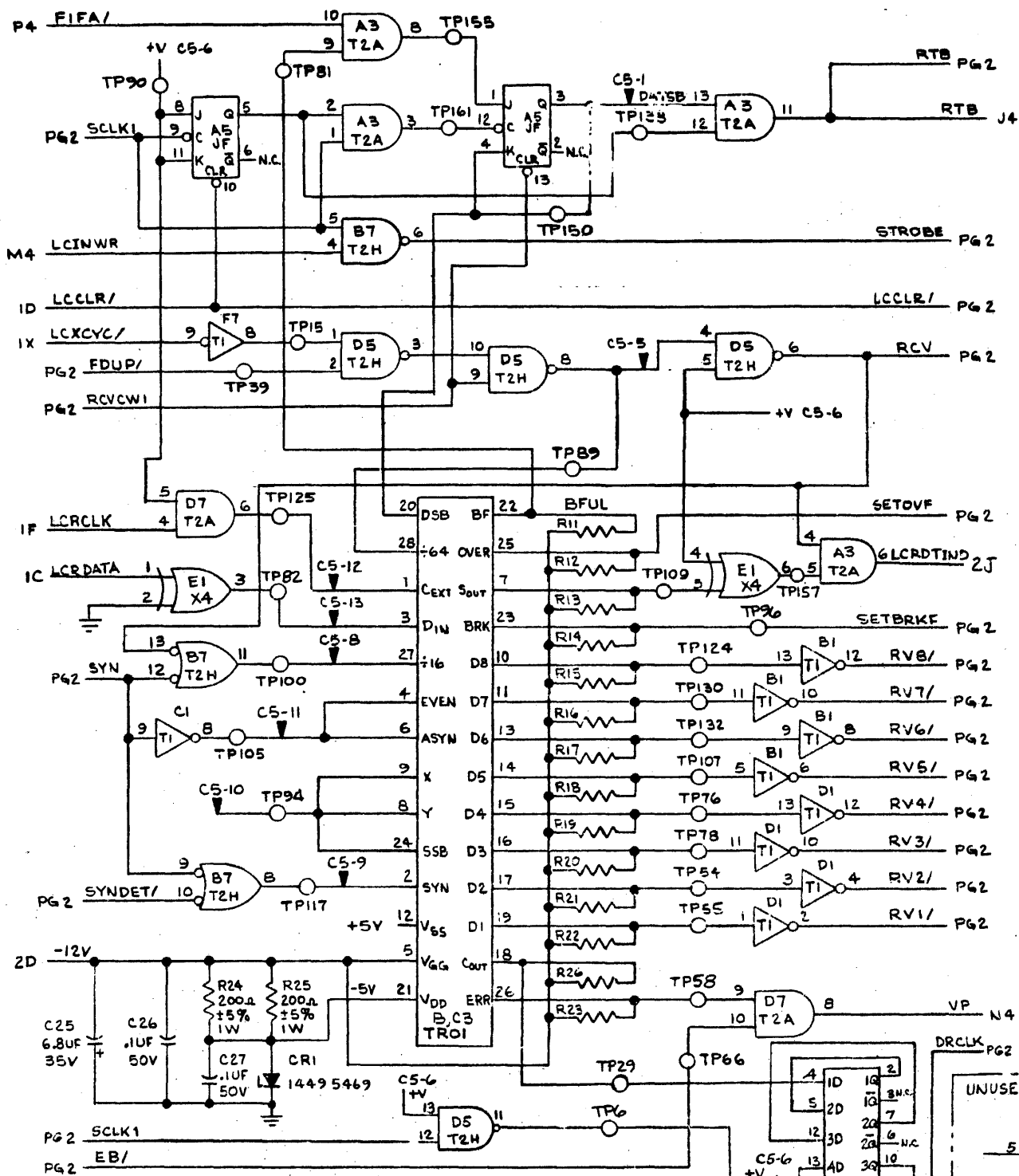
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 DOWNTOWN PA 19335

TITLE LCG FIFO
 SYSTEM B770
 DRAWN J. SCHLENNER CHECKED [Signature] / [Signature]
 APPROVED G. DINERMAN RELEASED 8-15-73
 DWG. NO. 1449 3241
 PAGE 2
 REV. LETTER B

PRINTED IN U.S.A.
 115 3/1/73
 1A X 13

SCHEMATIC



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

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

CC2-9520

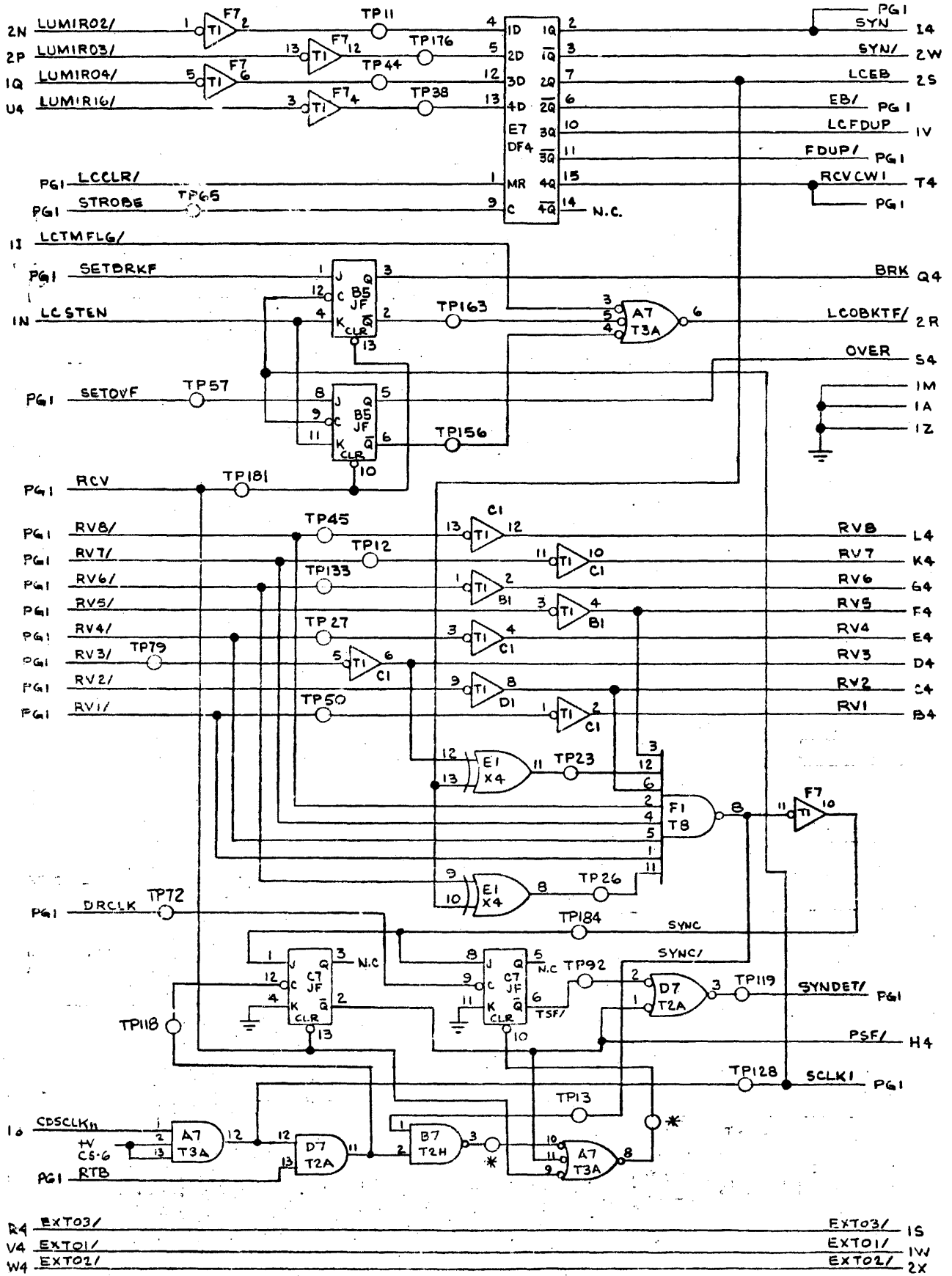
SH

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TITLE RECEIVER LCT
 SYSTEM B 770
 DRAWN J. SCHLENNER CHECKED *[Signature]*
 APPROVED E. B. G. SM. RELEASED 8-20-73
 DWG. NO. 1449 4512
 PAGE 1 OF 2
 REV. LETTER A REL. ER 94

SCHMATIC

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

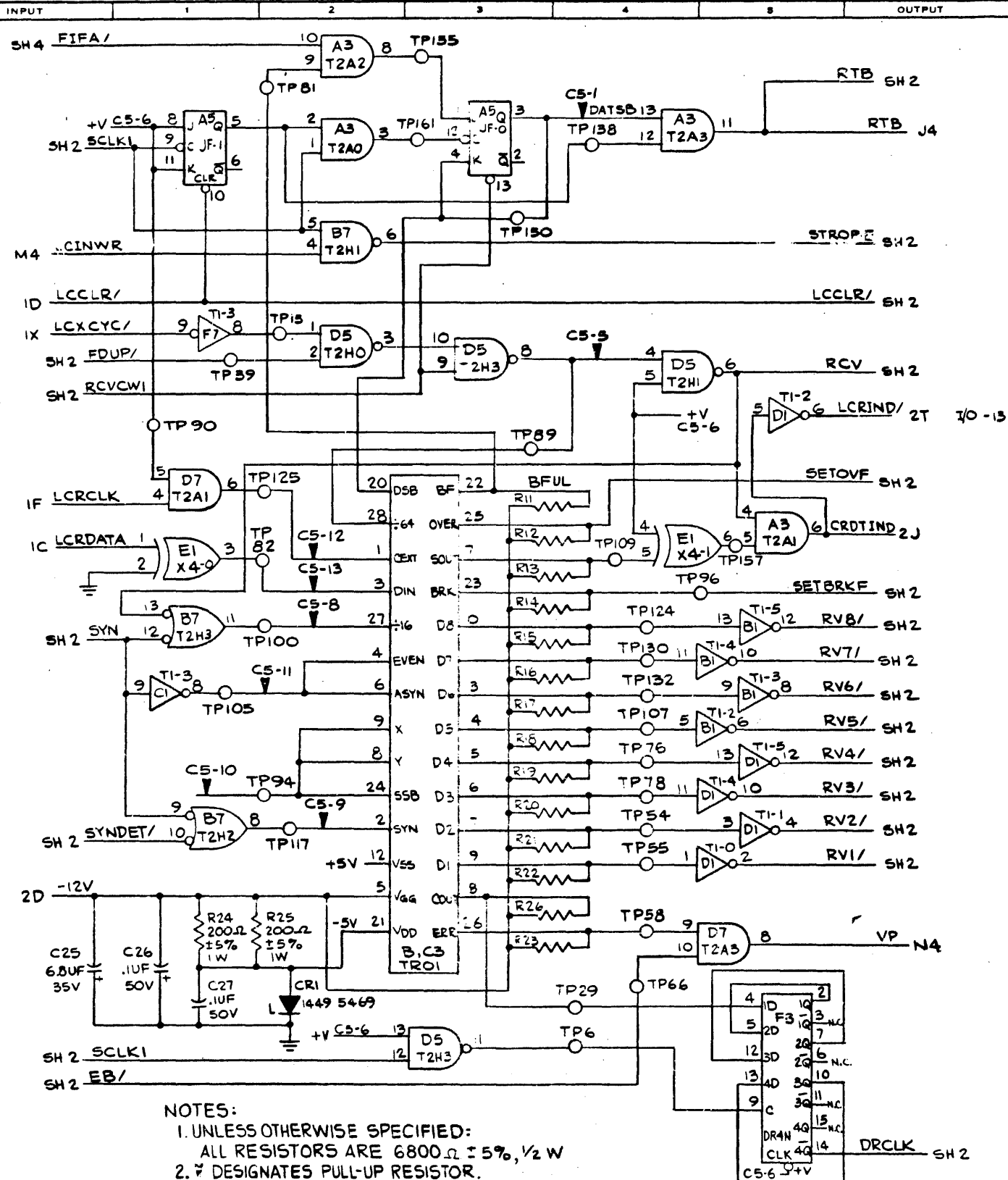


R4	EXT03/	EXT03/	IS
V4	EXT01/	EXT01/	1W
W4	EXT02/	EXT02/	2X

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

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TITLE: RECEIVER LCT
 SYSTEM B 770
 DRAWN J. SCHLENNER CHECKED *J. Schlenner*
 APPROVED E. BOGUSH RELEASED *8-20-73*
 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.

TRAN	1447 3557	1	TP-N	1447 3532	4
TR-1	447 3573	1	TRMD	1448 2319	1
TR-2	447 3698	1	TR01	1449 1310	1
TR-3	447 3524	2	DR4N	1449 1278	2
TR-4	479 0240	2	TR-N	1447 3615	3

UNUSED LOGIC

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 DOWNTOWN PA 19333 U.S. AMERICA

REV	A	A
SH	1	2

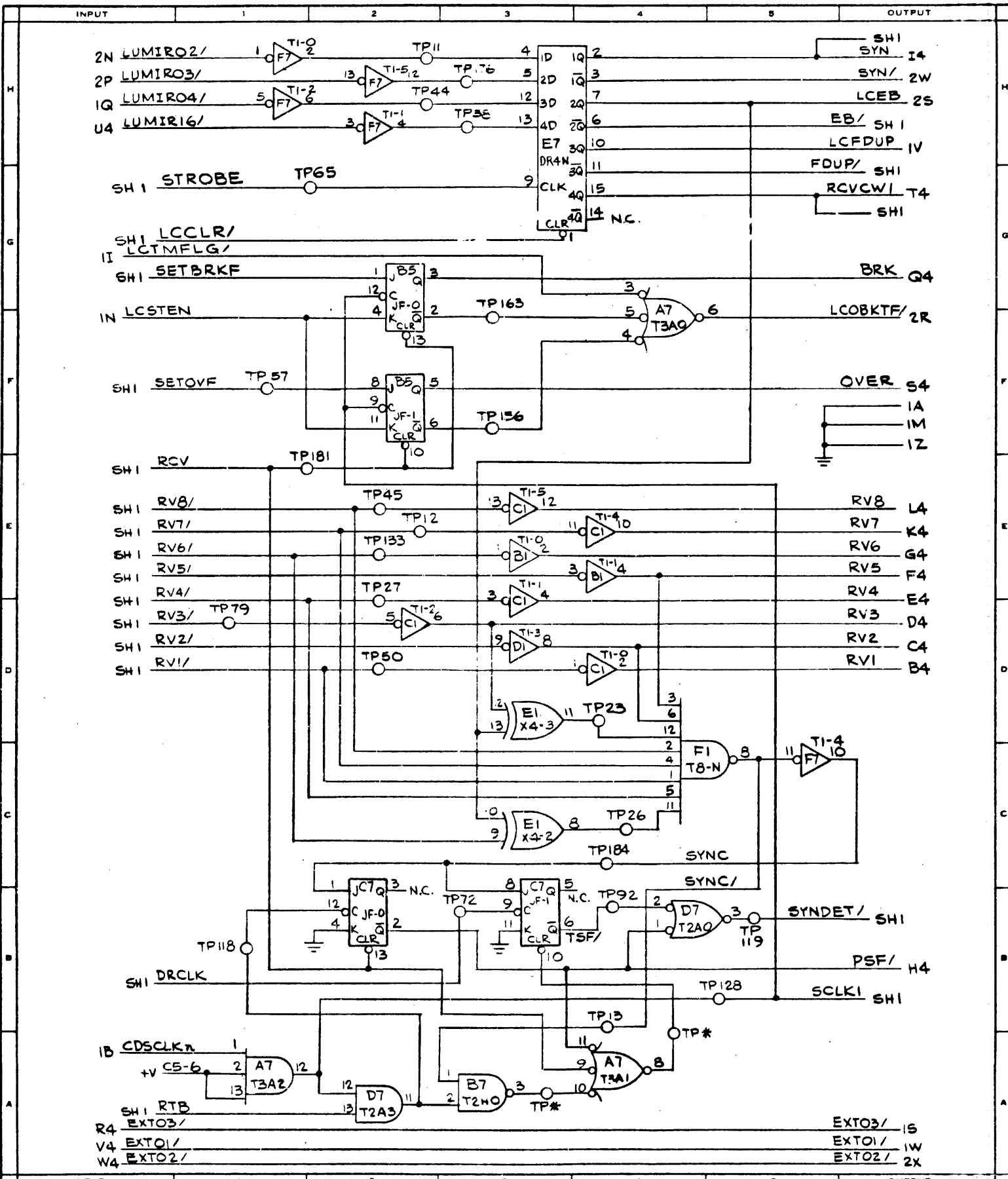
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				2-2-76	1 of 2	2608 3444
				DATE	PLT NO.	REV
				2-2-76	038	A

118

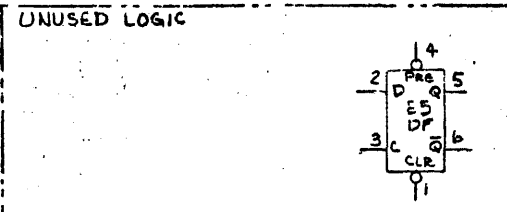
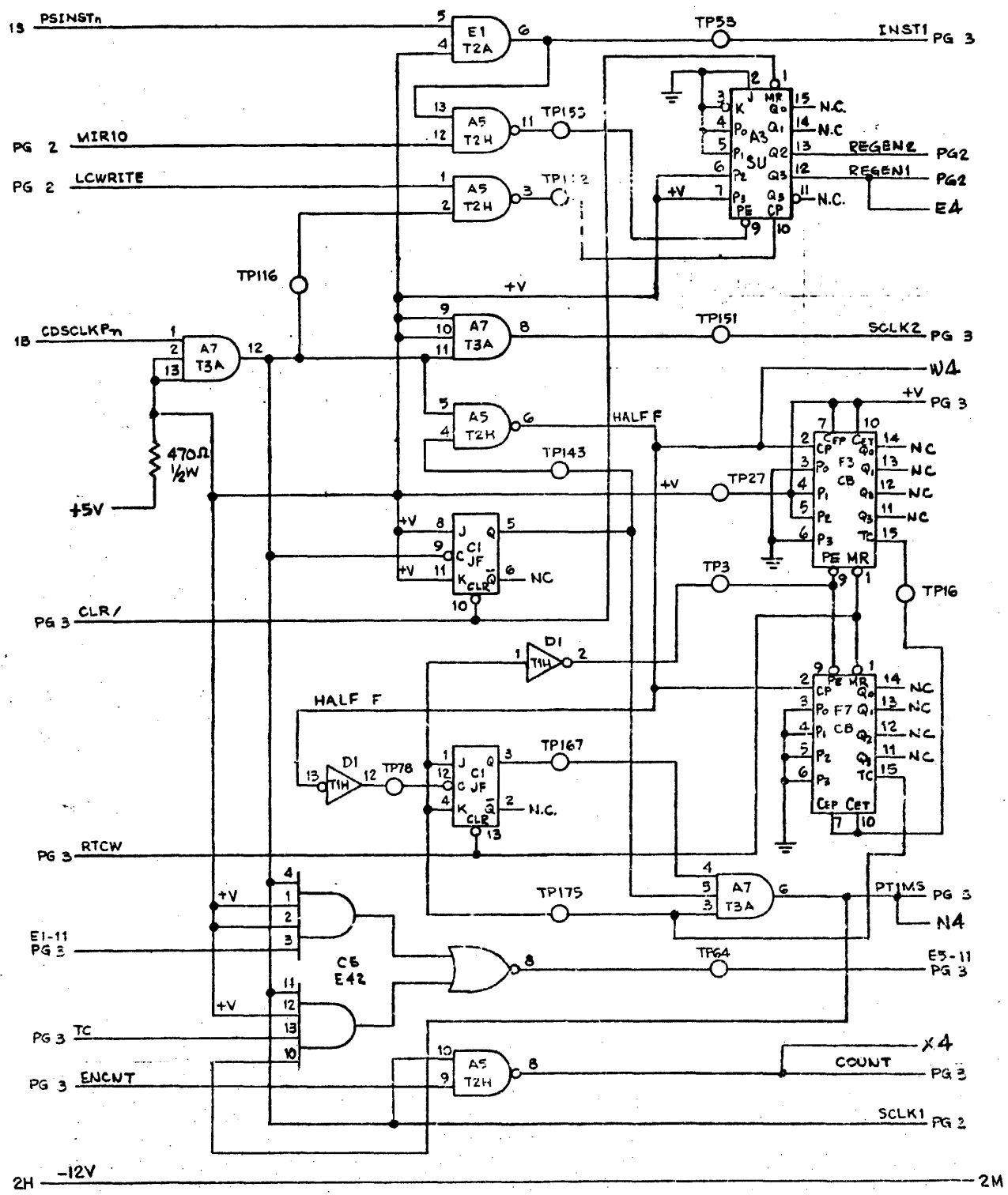
DRAWING 44-131-25507

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DTN 06 REV 13-76



SCHEMATIC



T3H	1486 8780	1	DF4	1449 1278	4
T3A	1447 3557	1	SU	1447 3755	1
T24	1479 0240	2	CB	1447 3771	1
T2A	1447 3524	1	JF	1447 3615	1
TIH	1479 7971	1	DF	1447 3607	2
T1	1447 3532	1	E42	1447 3656	1

CODE	PART NUMBER	QTY	CODE	PART NUMBER	QTY

CC2-9520 SH

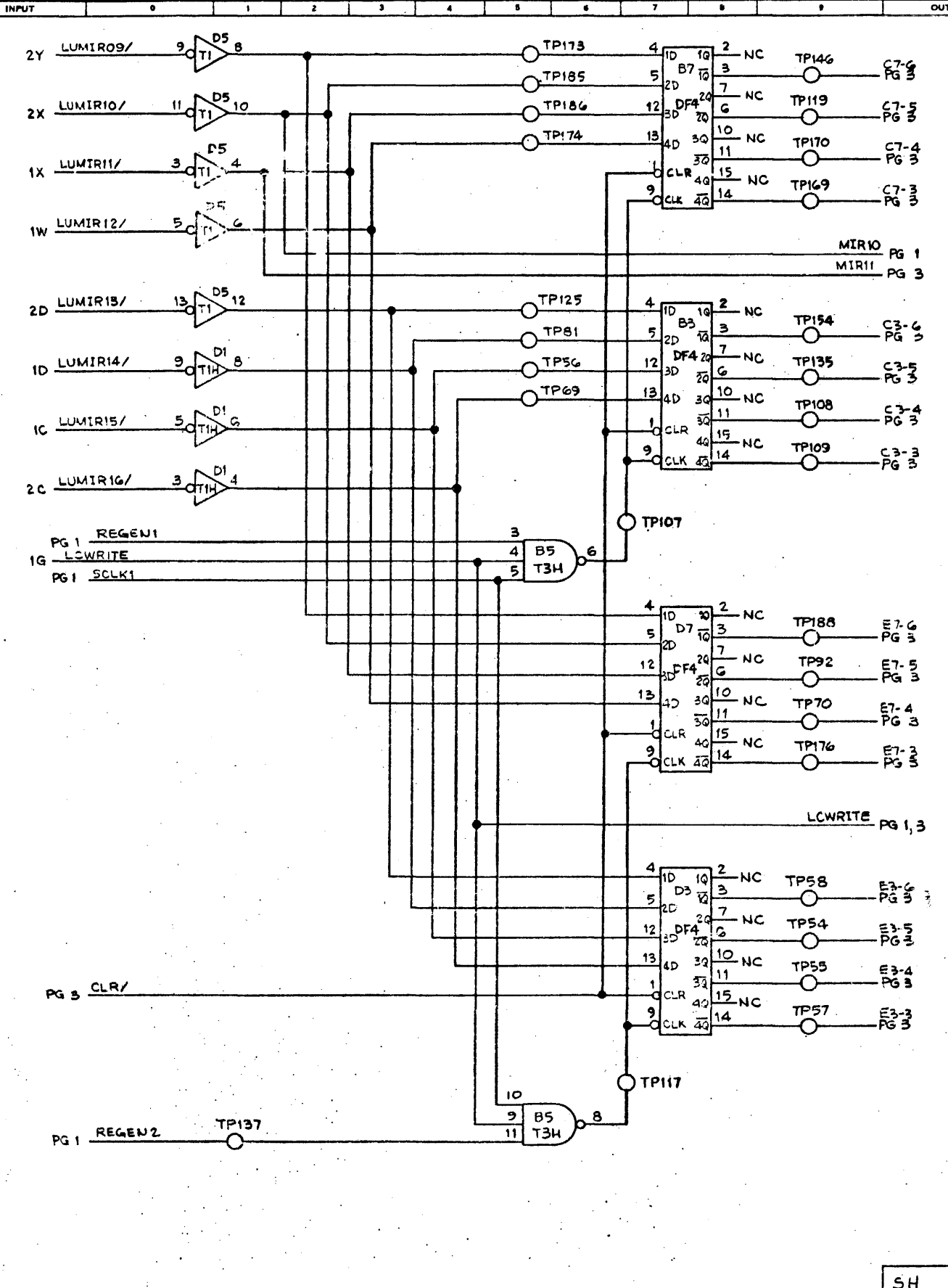
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TITLE PROGRAM TIME COUNTER LCS
 SYSTEM B770
 DRAWN J-INCH
 APPROVED
 CHECKED *[Signature]*
 RELEASED 8-20-73
 DWG. NO. 1449 3163
 PAGE 1 OF 3
 REV. LETTER C ECN4353
 SH 3 02 73

SH.NC.1 2 3
 REV. C B C

120

SCHEMATIC



SH

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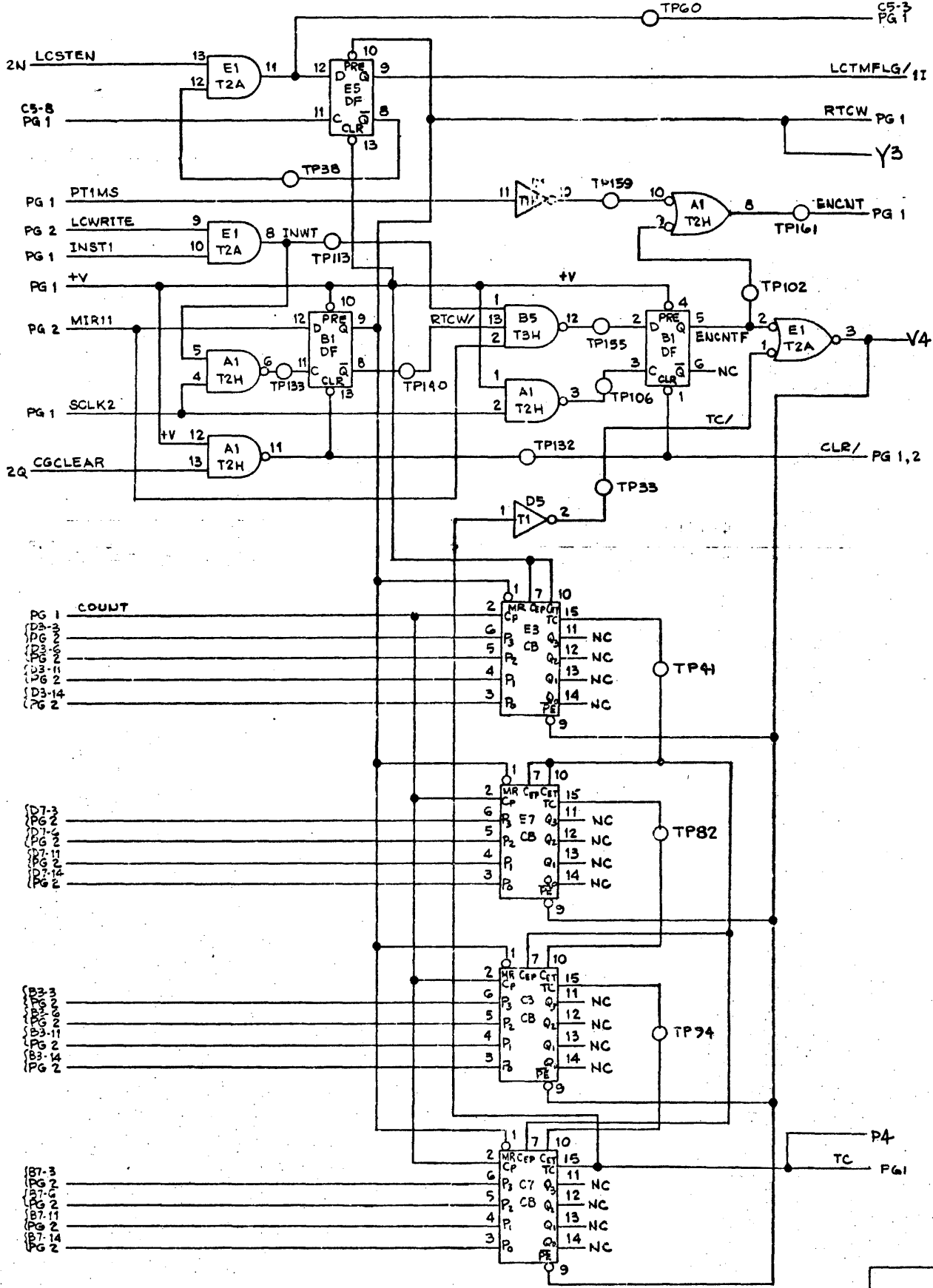
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 SYSTEM 6770
 DRAWN J. INCH
 APPROVED
 8-20-73

CHECKED *[Signature]*
 RELEASED 8-20-73

DWG. NO. 149 3183
 PAGE 2
 REV. LETTER B PER B.C.N.
 8-20-73
 180.00

SCHEMATIC

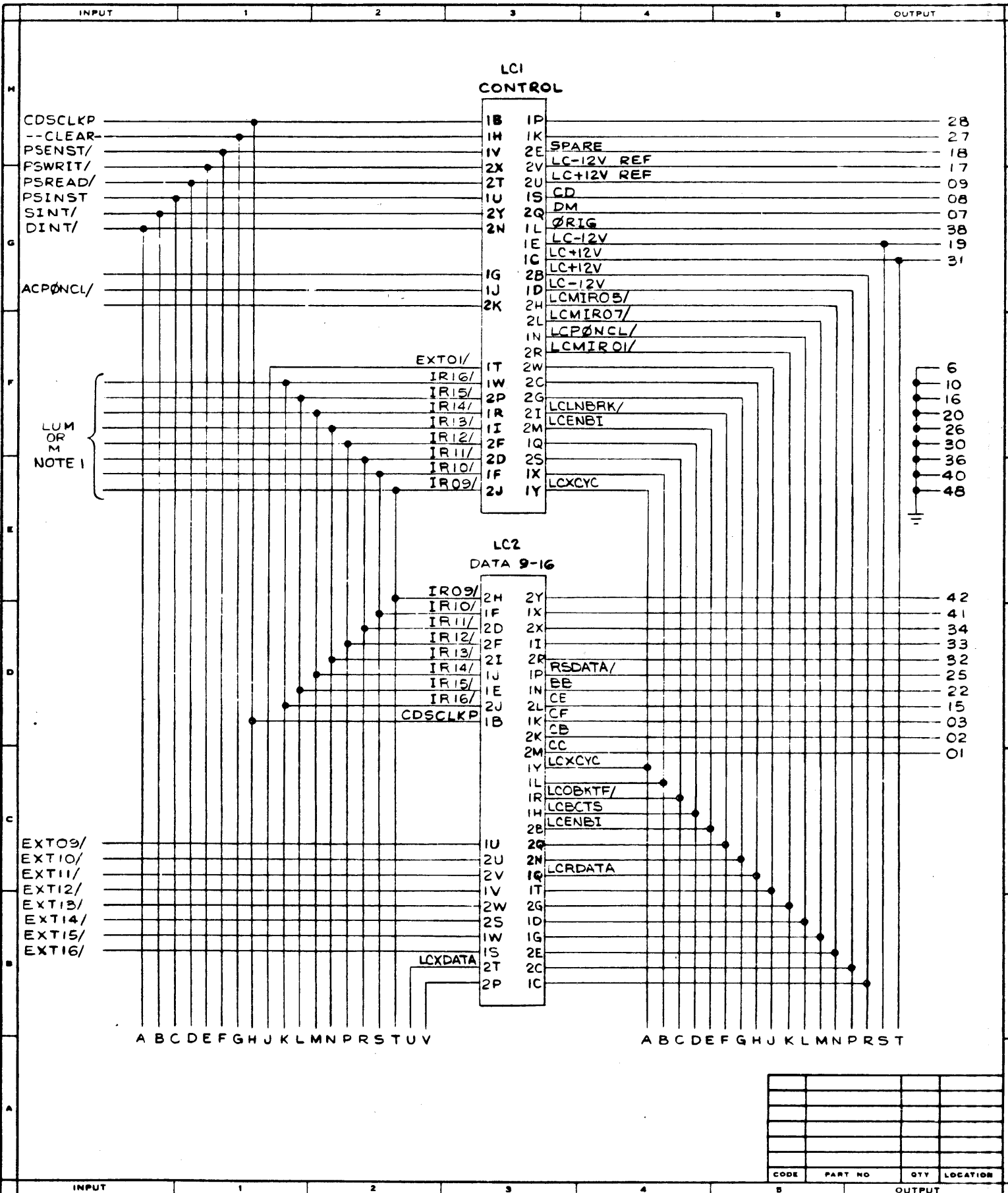
INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT



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

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TITLE PROGRAM TIME COUNTER LCA
 SYSTEM 3170
 DRAWN J. INCH
 APPROVED
 CHECKED *[Signature]*
 RELEASED 8-20-73
 DWG. NO. 1449 3183
 PAGE 3
 REV. LETTER C ECN 4353
 1" GB 9-26-75



CODE	PART NO	QTY	LOCATION

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DOWNTOWN PA 19335 U.S. AMERICA

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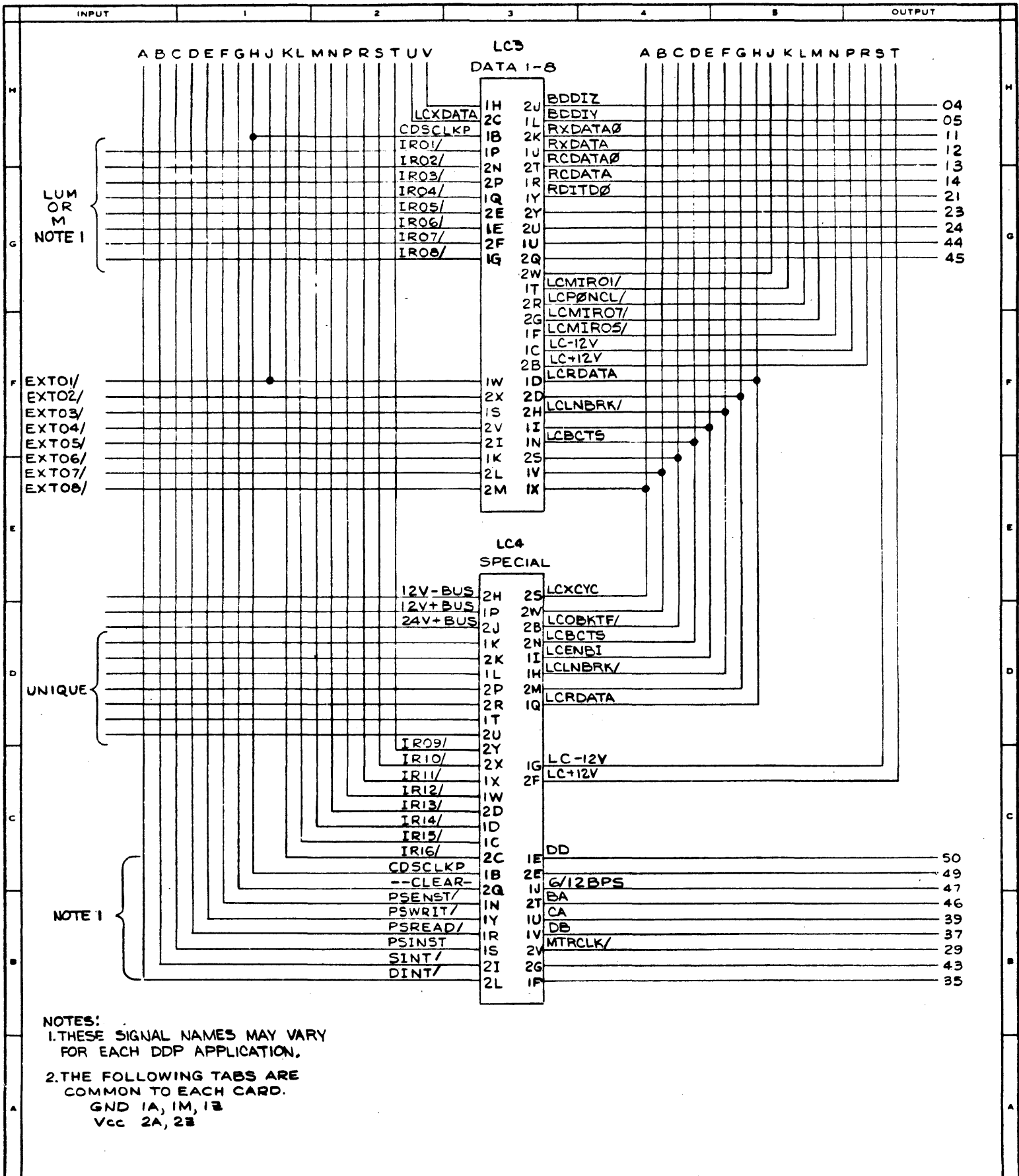
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SH	1	2	3	4

REVISIONS
A 1-10-76

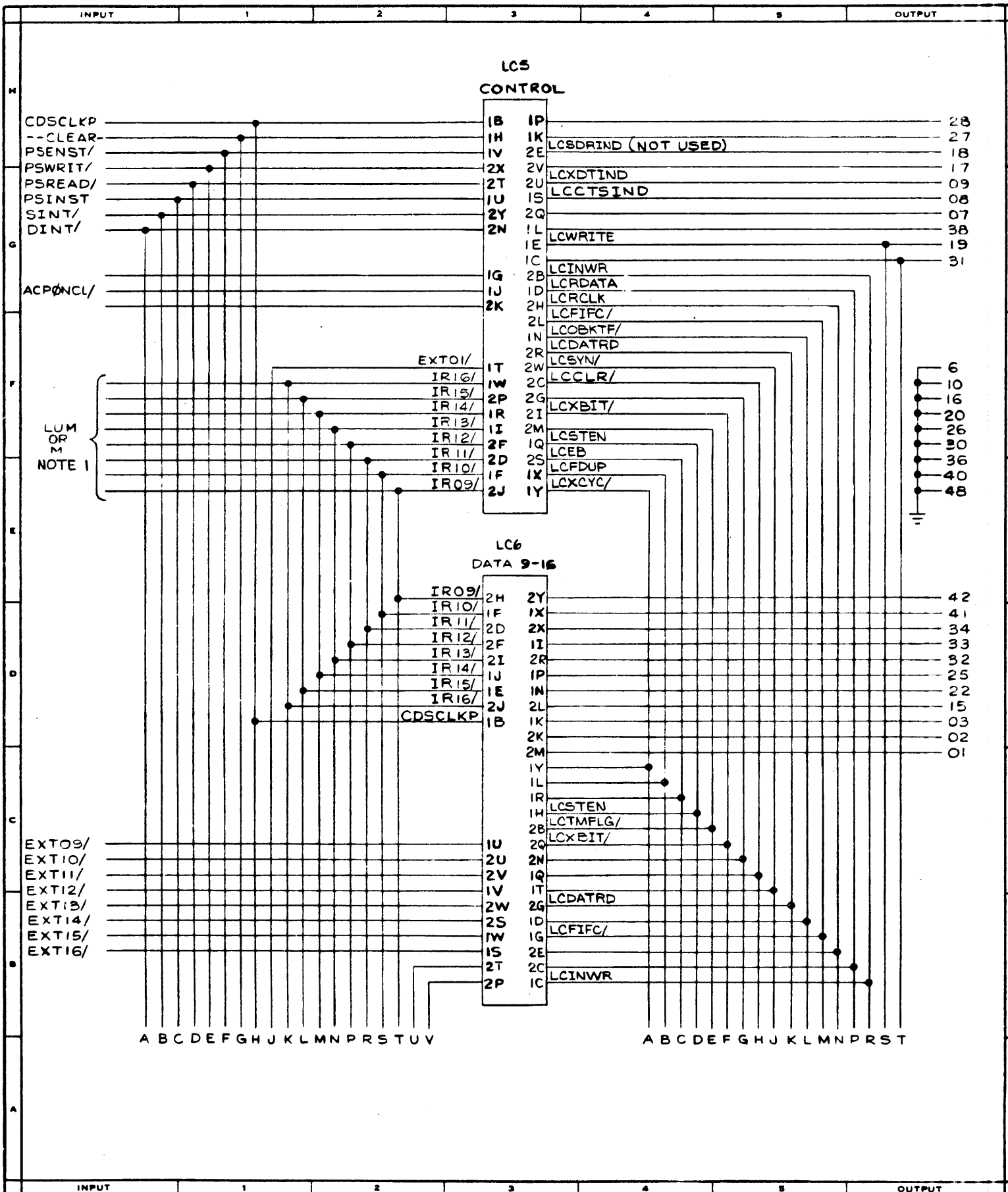
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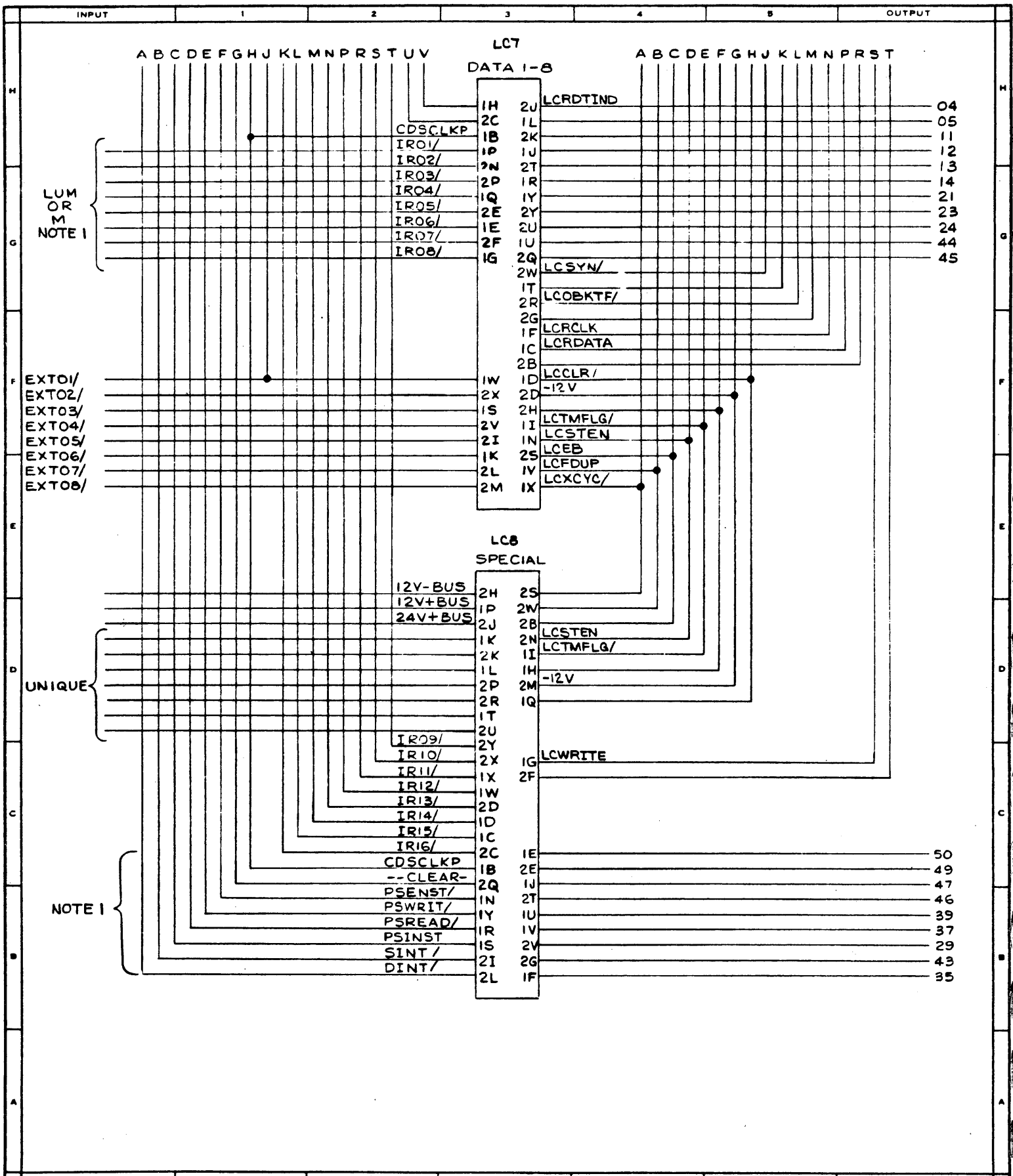
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DESIGNED D. Williams	DATE 1-20-76	SHEET 10 of 4	PLT NO. 2606 9617
CHECKED L. Brown	DATE 3-1-76	DWG NO. 9617	REV 038 A

574 REV 10-74

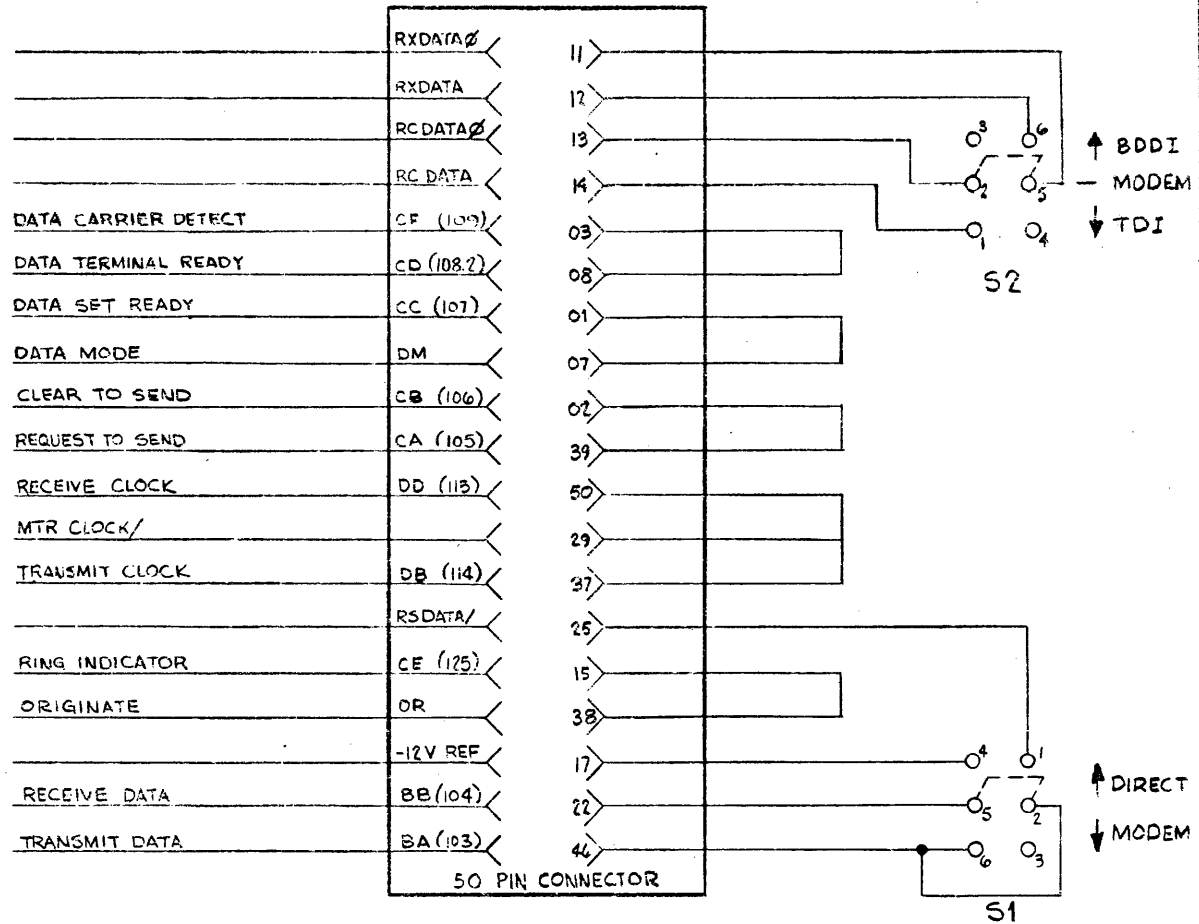


NOTES:
 1. THESE SIGNAL NAMES MAY VARY FOR EACH DDP APPLICATION.
 2. THE FOLLOWING TABS ARE COMMON TO EACH CARD.
 GND 1A, 1M, 1Z
 Vcc 2A, 2Z






DWG NO. 2606 2992
 SHEET 1 OF 1
 RELEASED BY 94-P-08
 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. Smith	DATE 10-31-75			COMPUTER SYSTEMS GROUP DOWNTOWN, PA. 19335
HEAT TREATMENT		DSGN/ENGR L.R. Smith	DATE 10-31-75	TITLE SCHEMATIC, SLC, MTR JUMPER BLOCK		
SURFACE TREATMENT		APPROVED L.R. Smith	DATE 10-31-75	CLASS CODE 29520		
PROPRIETARY TO BURROUGHS CORP - NOT TO BE REPRODUCED NOR USED IN MANUFACTURING WITHOUT A WRITTEN AGREEMENT FROM BURROUGHS CORPORATION				SCALE SHEET NONE 1 of 1	DWG NO 2606 2992	PLT. NO 038

127
 GEN INING 44-131-25507

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COMPUTER SYSTEMS GROUP

DOWNINGTOWN PLANT

DOWNINGTOWN, PENNSYLVANIA 19335



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ORDER OR PRIOR WRITTEN
CONSENT.

NUMBER

2607 3759

RE
D

TITLE

FIELD INSTALLATION INSTRUCTIONS
FOR SINGLE LINE CONTROL OPTION
(B351 THRU 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 (TIN) 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. Dabit 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. Dabit/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 Dabit (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.



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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	XMIT DATA IN/OUT
8			P1	21	1472 0767				XMIT 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


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DWG NO. 26011734
 SHEET 2 OF
 RELEASED PER
 AER 73 12-10-73

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	PART REF DES			TERMINAL	TYPE OF TERMINATION	SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	
1	26	RED	P1	49	WIREWAP	P2	15	WIREWAP	DATA 1	26	26	RED	P1	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	P1	25	WIREWAP	P2	8	WIREWAP	MA - STAT	50											

NOTES:

DRAWN G. BUEHLER DATE 10-3-73
 CHECKED DATE 10-4-73
 DESGN OR ENGR DATE
 APPROVED DATE 10/4/73

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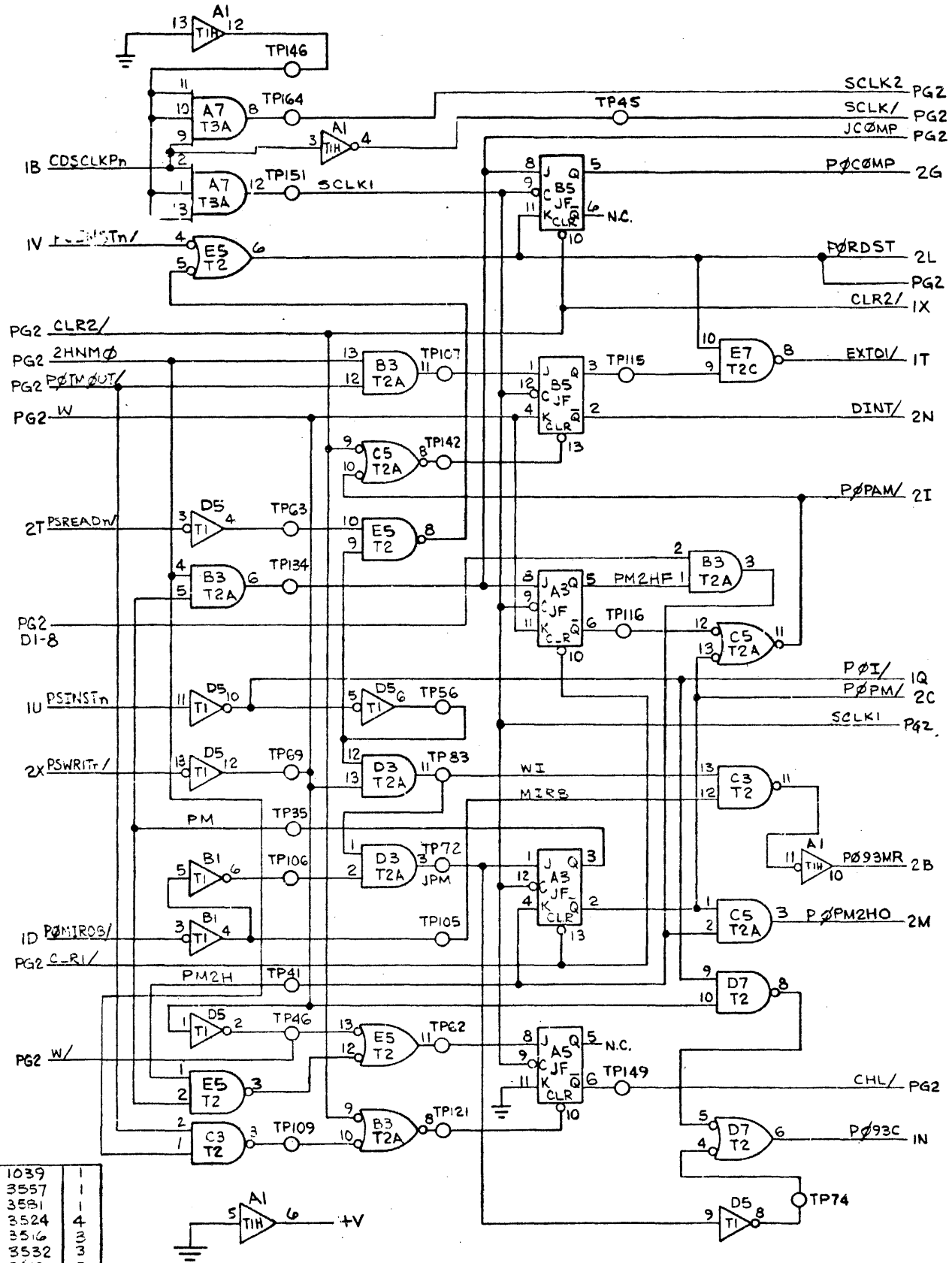
TITLE WIRE LIST
 ADAPTER CABLE ASSY
 ODEC PRINTER CONTROL

SHEET 2 OF DWG NO 26011734

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SCHEMATIC

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



T3A	1449	1039	1
T2C	1447	3557	1
T2A		3581	1
T2		3524	4
T1		3516	3
T1		3532	3
JF		3615	3
DF		3607	3
SB		3771	2

CC 2-9520

SH S.011

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

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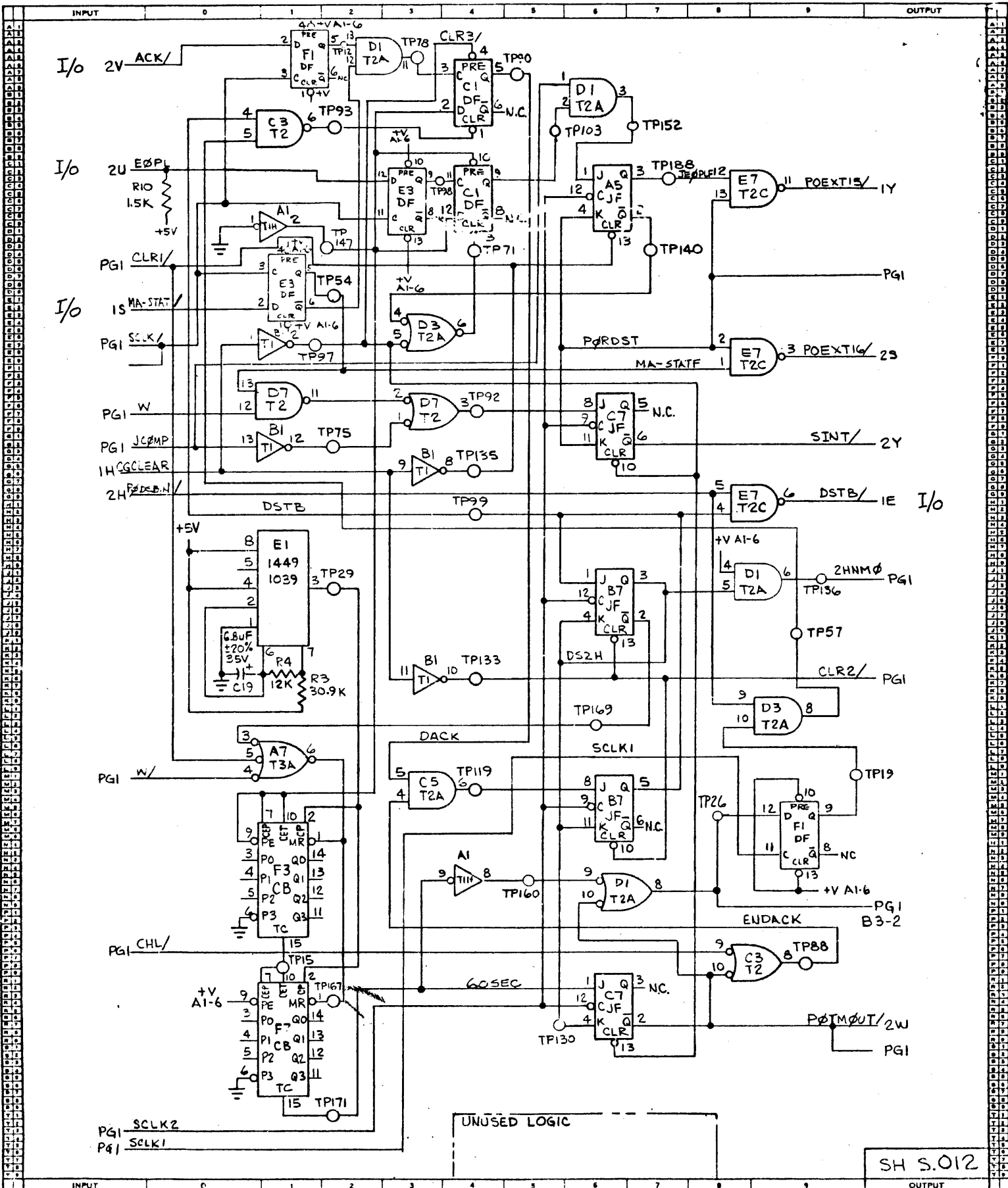
PRODUCTION

TITLE P01 ODEC PRINTER
 SYSTEM 8703 DWG. NO. 1448 1691
 DRAWN WAM 5-8-72 CHECKED JAC/MS/STW PAGE 1 OF 2
 APPROVED RELEASED 10-6-72 REV. LETTER F ECN4952A

C11 SHIT
 FIF REV

PRINTED IN U.S.A.

SCHMATIC



SH S.012

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

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PRODUCTION

TITLE P01 ODEC PRINTER
 SYSTEM E703
 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.

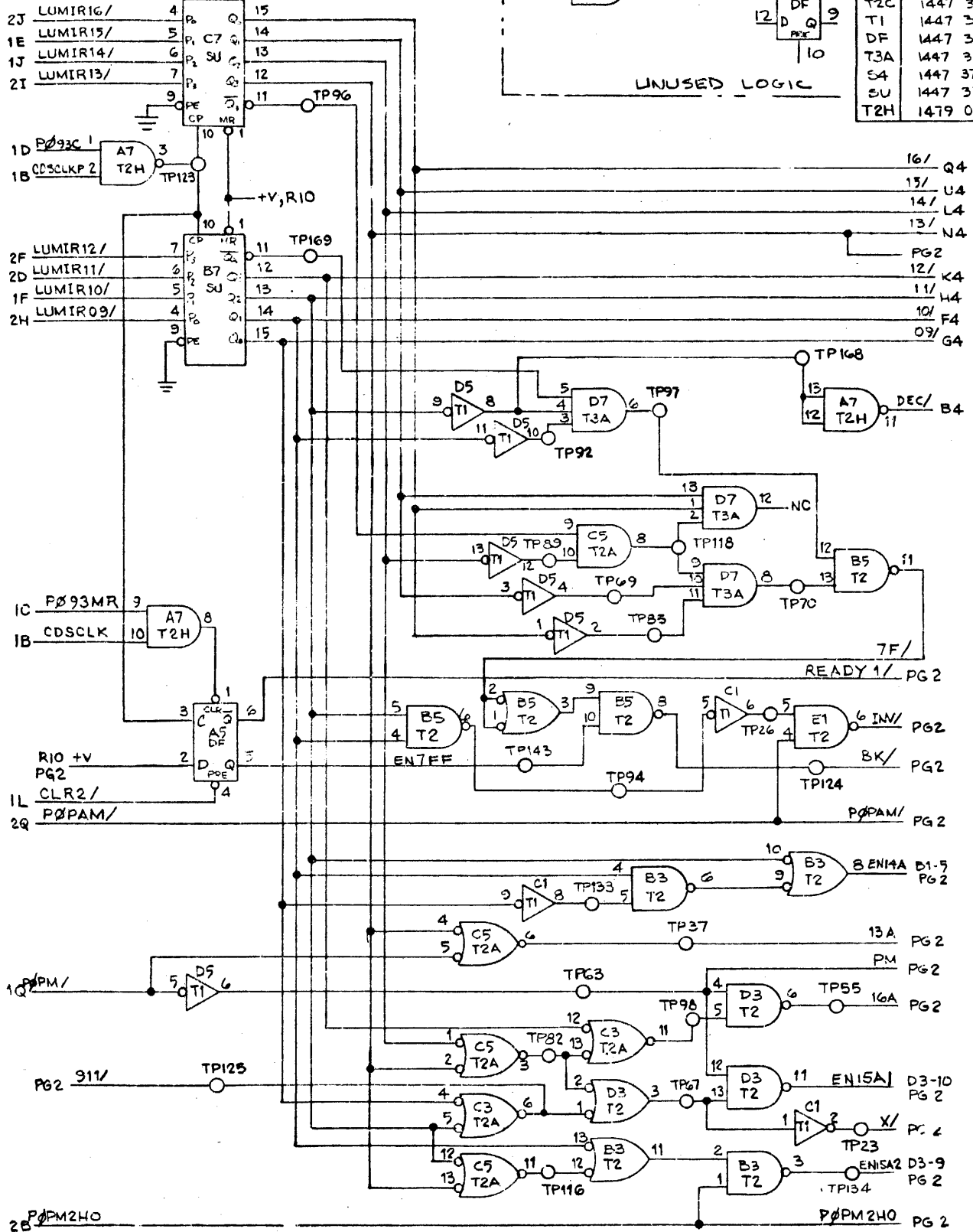
DTN 86 4 71

148

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"



CODE	PART NUMBER	QTY
T2	1447 3516	5
T2A	1447 3524	3
T2C	1447 3581	2
T1	1447 3532	2
DF	1447 3607	1
T3A	1447 3557	1
S4	1447 3714	3
SU	1447 3755	2
T2H	1479 0240	1

CC2-9520

SH S.021

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PRODUCTION

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

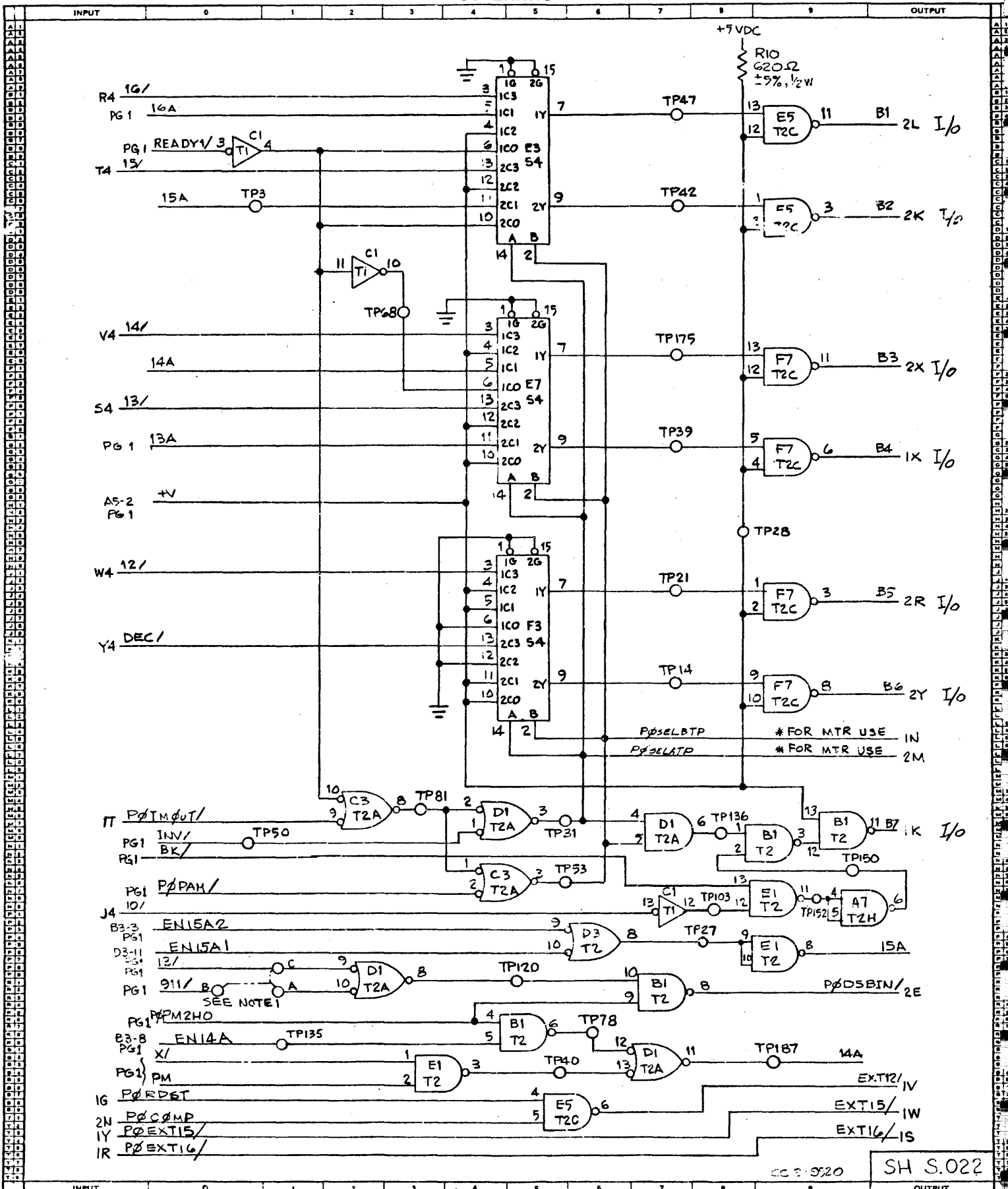
CHECKED 10-1-72
 RELEASED 10-1-72
 DWG. NO. 1445 1709
 PAGE 1 OF 2
 REV. LETTER F ECN 49-2A

2 1 SHT
 F F REV.

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SCHMATIC



CC 3-9520 SH S.022

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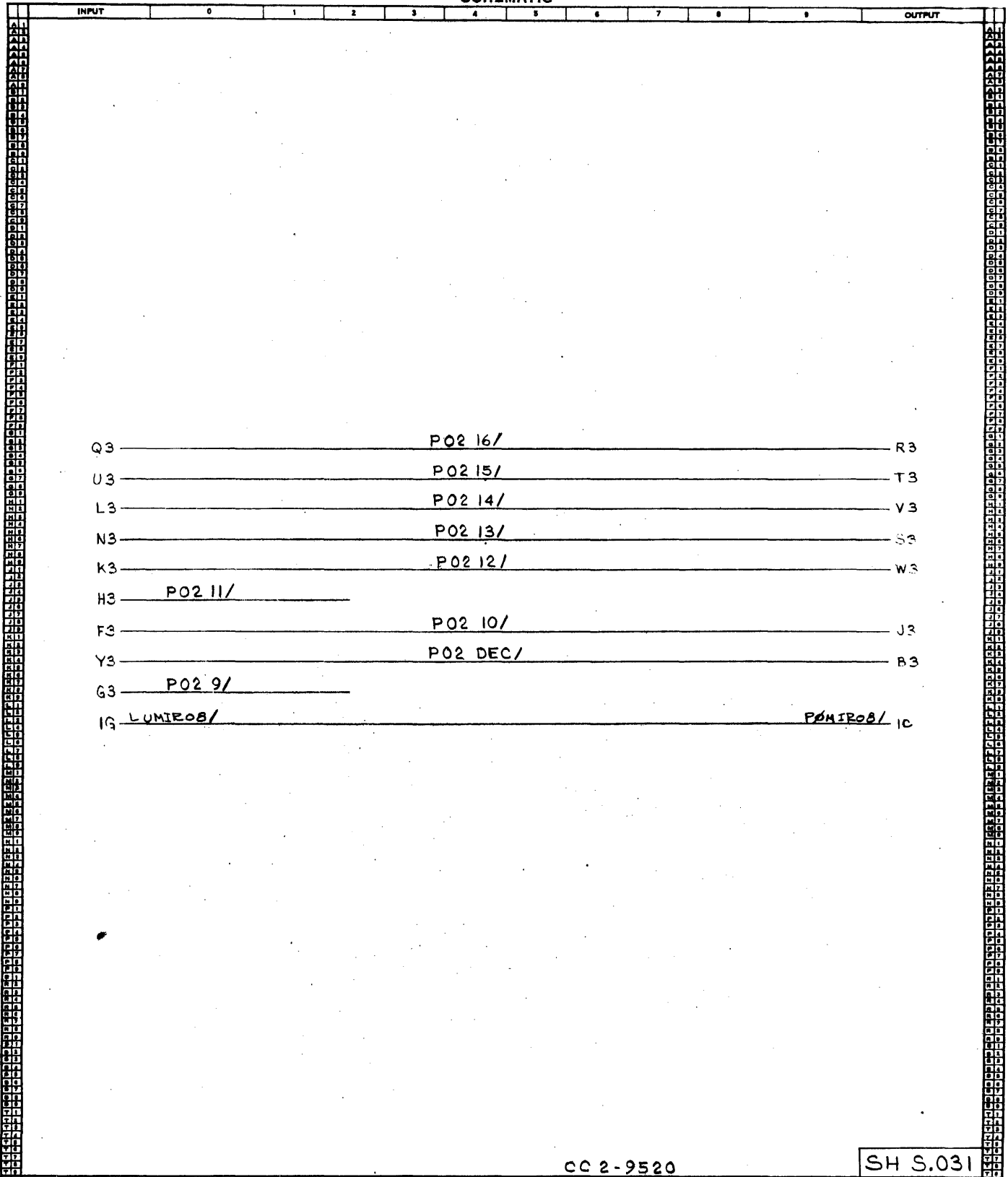
PRODUCTION

TITLE P0Z ODEC PRINTER 2
 SYSTEM B711
 DRAWN J.NCH APPROVED
 DWG. NO. 1448 1709
 PAGE 2
 CHECKED [Signature] RELEASED 12-1-72
 REV. LETTER F ECN 4952A

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150

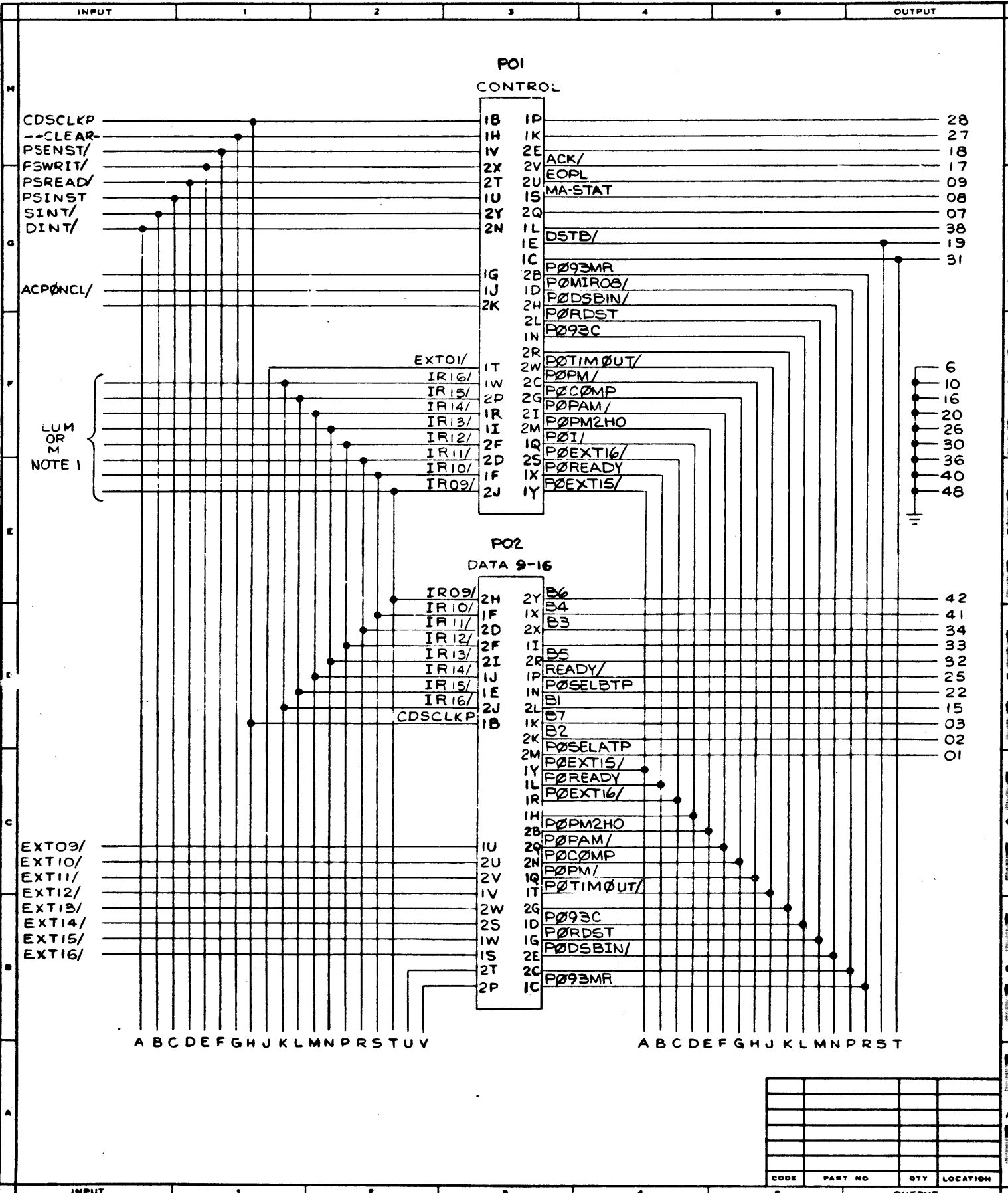
SCHMATIC



CC 2-9520

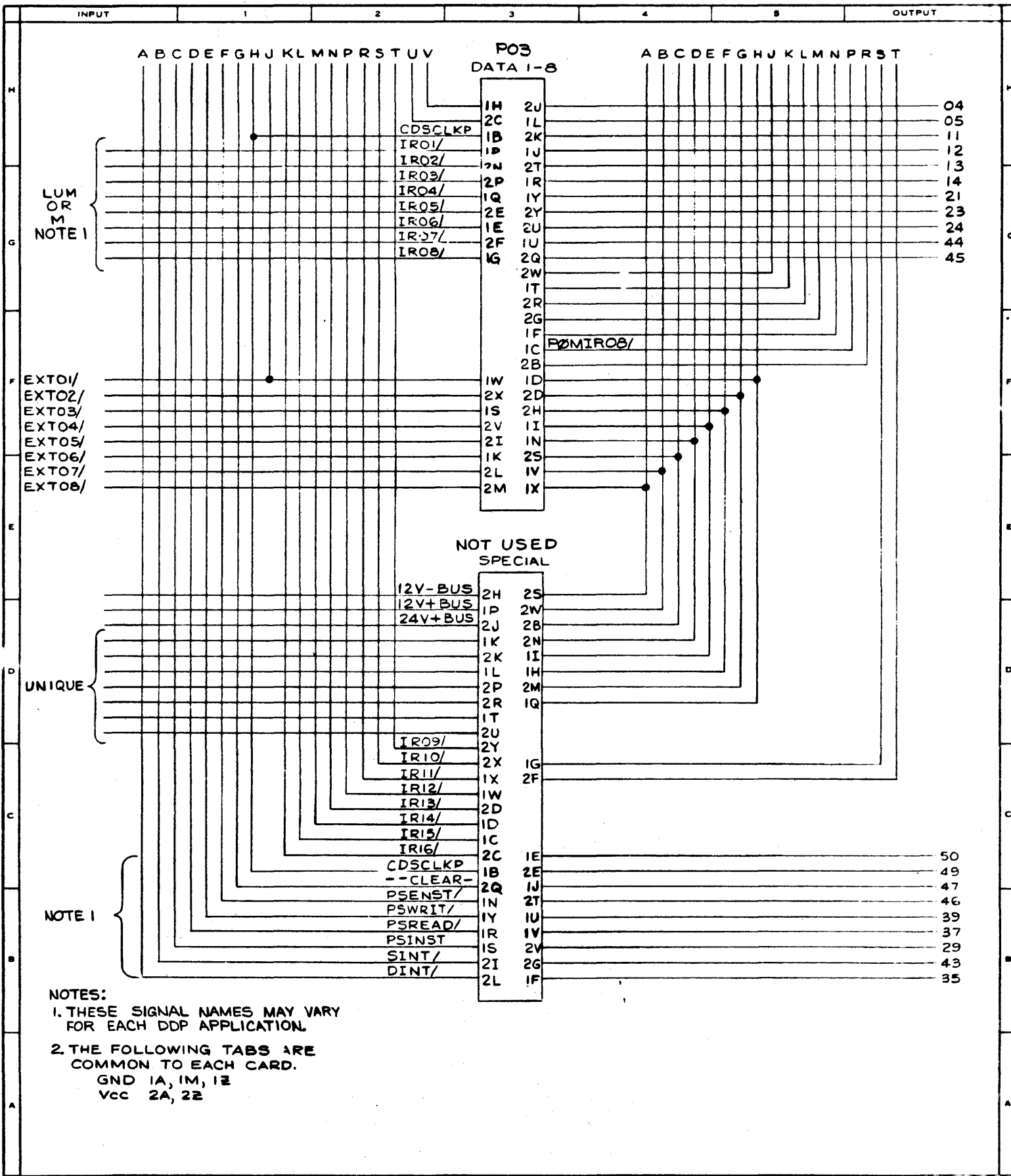
SH S.031

INPUT	0	1	2	3	4	5	6	7	8	9	OUTPUT
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152 Burroughs Corporation COMPUTER SYSTEMS GROUP DOWNTOWN PLANT PHILADELPHIA, PA. 19103	REV AA SH 12 REVISIONS A B C	DRAWN C. ZUTSKI DATE 1-12-76 CHECKED D. J. ... DATE 1-28-76 DESIGNED H. ... 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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NUMBER

1449 3670

REV

—

TITLE

CONVERSION INSTRUCTIONS
PO2 CIRCUIT CARD ASSEMBLY
12 CHANNEL TO 2 CHANNEL

PREPARED BY

Atkinson 1-17-73

APPROVED BY

J.R. 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 & G 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

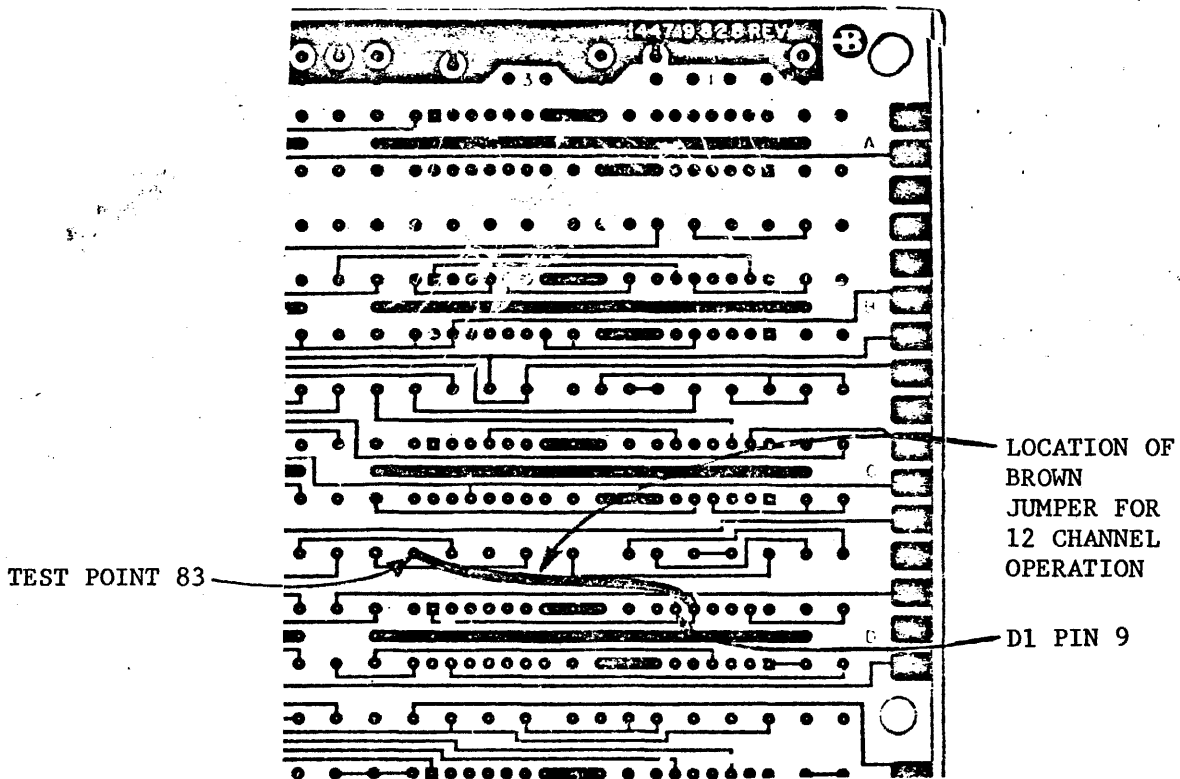


FIGURE 1 - MODIFIED (-) REVISION ARTWORK (SOLDER SIDE)

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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.

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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 0767	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 0767	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	GKD	39	GRAY		AJ			48	1472 0767	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	GKD	45								
21	GRAY		Q *			23	1472 0726	F1	46								
22	BLK		T *			20	SEE NOTE 6	GRD	47								
23	GRAY		W *			24	1472 0726	FZ	48								
24	BLK		Z *			20	SEE NOTE 6	GKD	49								
25	24 AWG GRAY	P210	AM	SOLDER	J210A	32	1472 0726	Z4	50								

- NOTES:
 1. ↑ 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
MECHMOLLI	5-15-72
CHECKED	DATE
MITCHELL	5-18-72
DEGN OR ENGR	DATE
APPROVED	DATE
J.L. MULLIN	5-18-72

Burroughs Corporation 

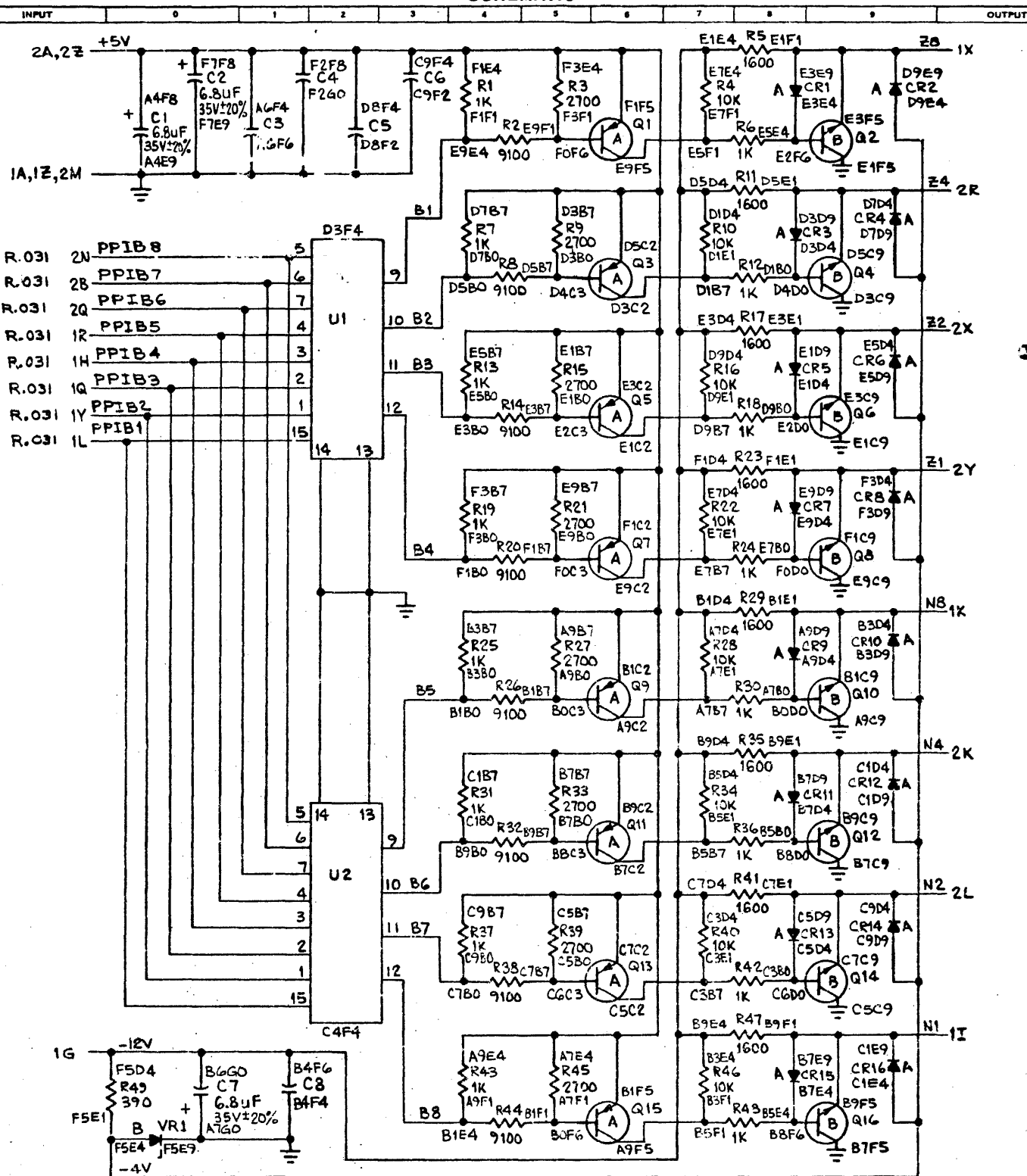
SMALL SYSTEMS PLANT
 DOWNINGTOWN, PA. 19335, U.S.AMERICA

TITLE: WIRE LIST
 ADAPTER CABLE, POTTER PRINTER

SHEET 2 OF DWG NO 1448 0412

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SCHEMATIC



SCL 1D EXT 1G/PPEXT14/15
 SCL 2G EXT 15/PPEXT15/1W
 SCL 1T EXT 12/PPEXT12/1V

1. FOR ASSEMBLY SEE 1447 9950 & CIRCUIT CARD ASSEMBLY LISTED IN TABLE.
2. COMPONENTS IDENTIFIED BY LETTERS A,B, ETC. INDICATE PART NUMBERS AS FOLLOWS:
 TRANSISTORS DIODES
 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

PROM PAIR	CIRCUIT CARD ASSY	PROM	
#		U1	U2
*1	1442 3662	1448 6260	1448 6278
*2	1449 3423	1449 3445	1448 3555
*3	1443 3431	1447 3563	1448 3571
*4	1442 3443	1447 3565	1449 3597
*5	1449 3456	1447 3595	1447 3613
*6	1449 3472	1447 3647	1449 3659

SCL SEE CIRCUIT LIST FOR DESTINATIONS

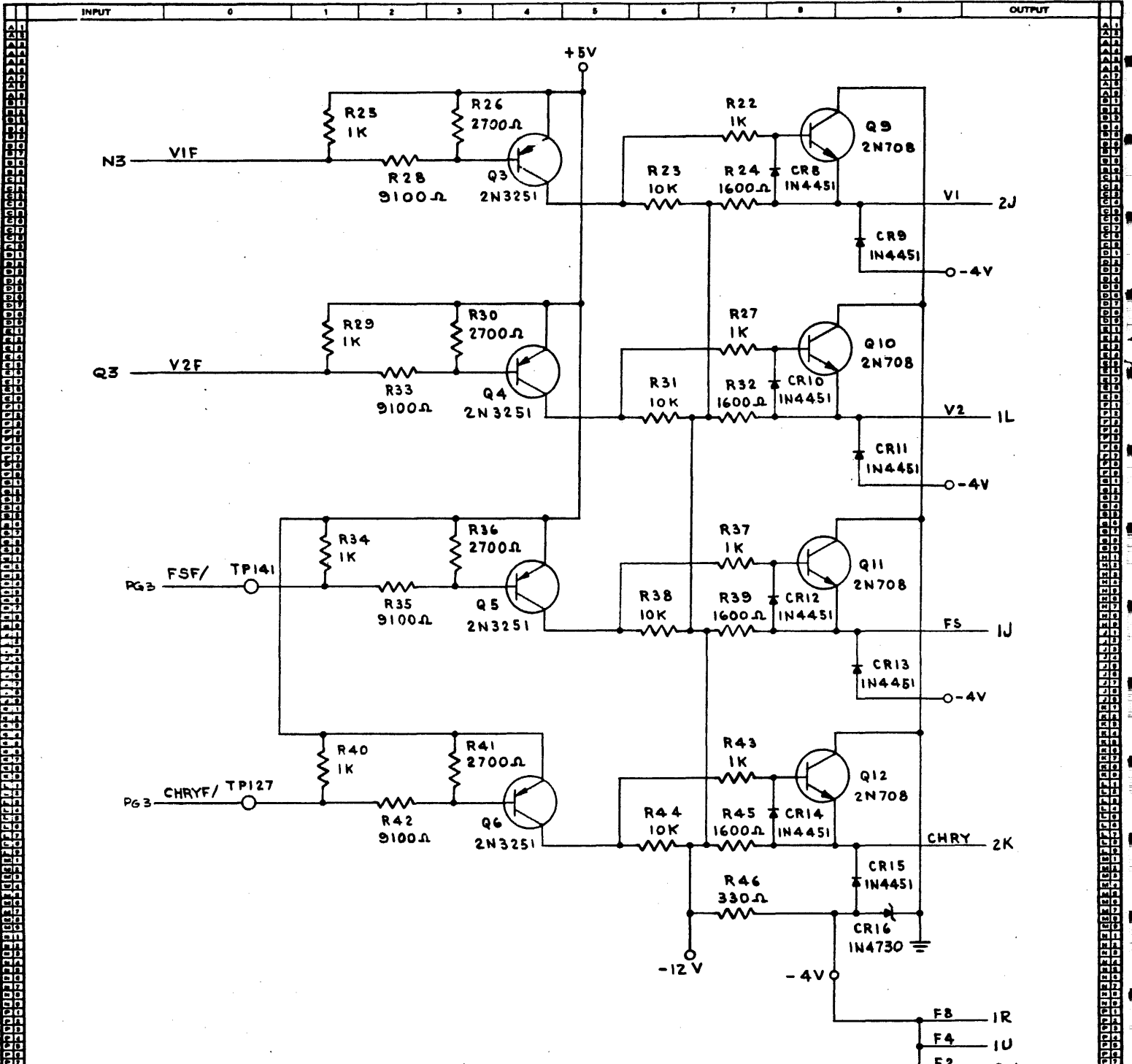
CC2-9520

SH R 011

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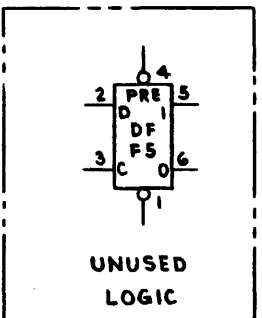
TITLE: PP2 POTTER PRINTER DATA 9
 SYSTEM B700 DWG. NO. 1448 0099
 DRAWN: _____ CHECKED: KAPPE 4-17-72 PAGE 1
 APPROVED: B. DINNERMAN RELEASED 5-11-72 REV. LETTER E PER 3015
 3-23-72

SCHMATIC



	1447 5396	1
T1H	1479 7971	1
T2C	1447 3581	1
T3A	↑ 3557	1
T4	↑ 3563	1
CB	↓ 3771	1
DF	↓ 3607	1
JF	1447 3615	2

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



UNUSED LOGIC

CC 2-9520

SH R.021

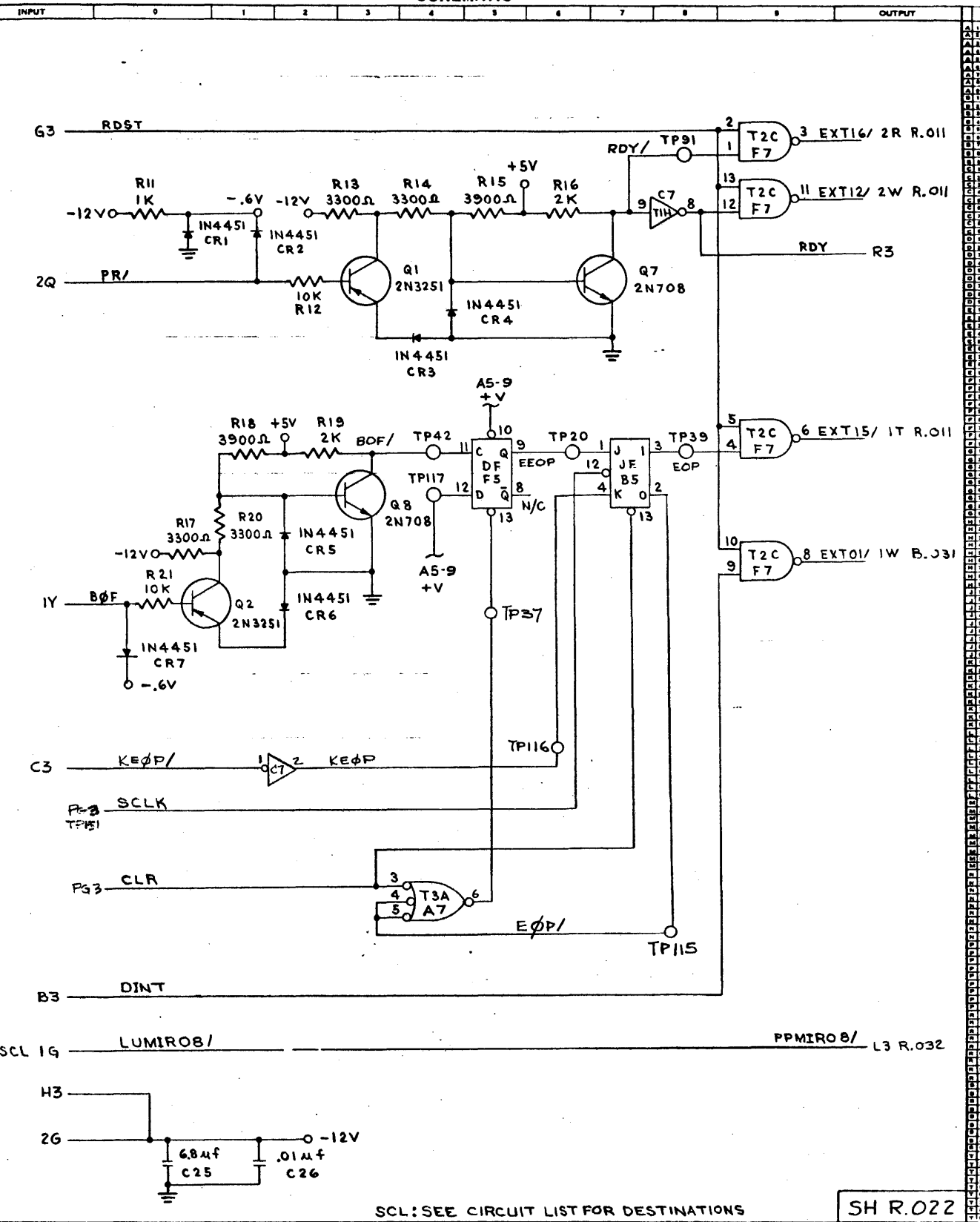
Burroughs Corporation

MAGNETIC SYSTEMS PLANT DOWNINGTOWN, PA 19338

PRODUCTION

TITLE PP3 POTTER PRINTER DATA | SYSTEM B700 | DWG. NO. 1448 0107
 DRAWN J.A. | CHECKED D. FRANK | PAGE 1 OF 3
 APPROVED S. BIGUSH | RELEASED 2-10-71 | REV. LETTER D ECH 1229
 B.B. DINERMAN 2-8-71

SCHMATIC

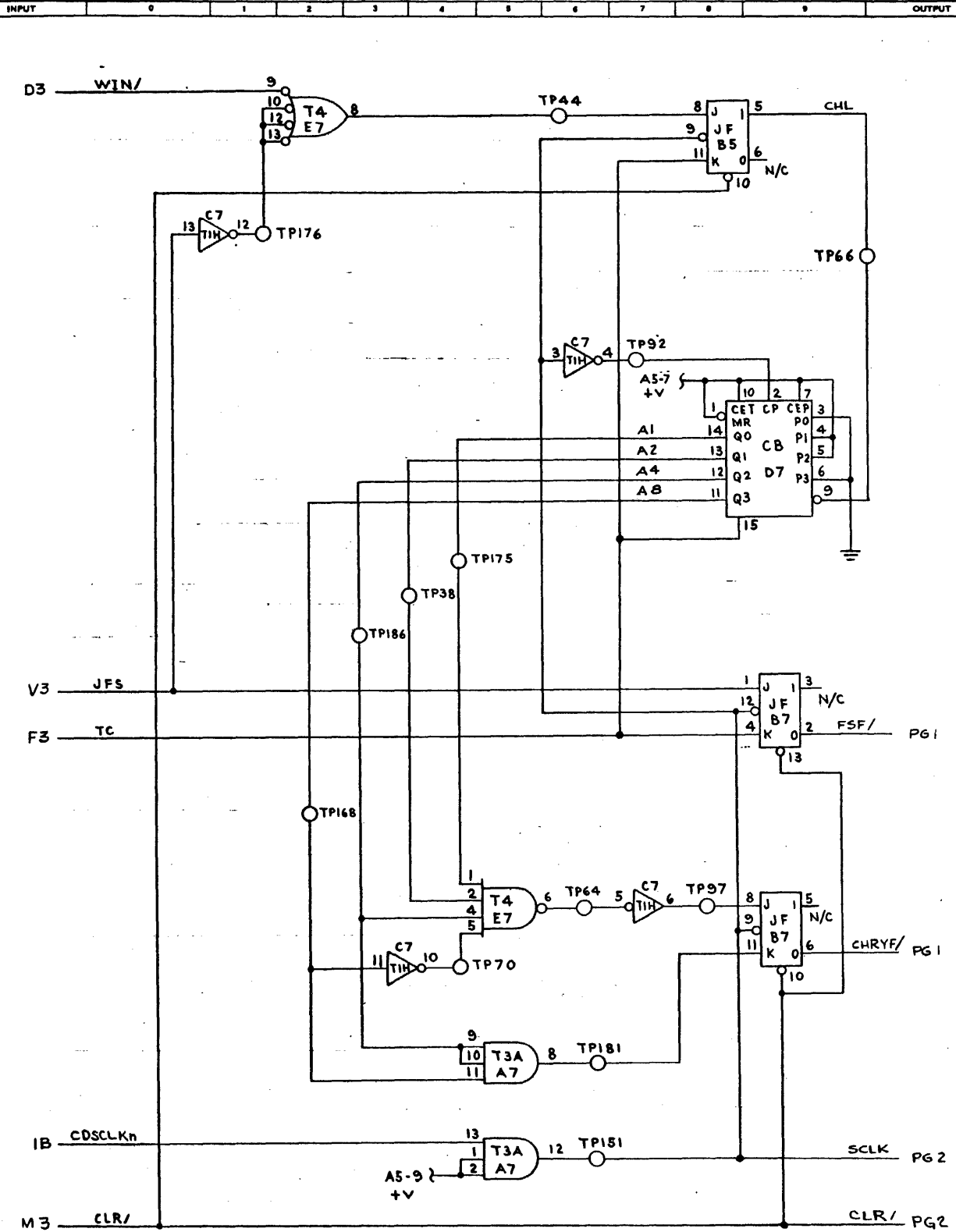


SCL: SEE CIRCUIT LIST FOR DESTINATIONS

SH R.022

INPUT	0	1	2	3	4	5	6	7	8	9	OUTPUT
<p>Burroughs Corporation MAGNETIC SYSTEMS PLANT DOWNTOWN, PA 19338</p> <p>PRODUCTION</p> <p>TITLE PP3 POTTER PRINTER DATA 1 SYSTEM B700 DRAWN J.A. APPROVED E.B. & J.M. S.B. DIN & MAJ 2-8-71</p> <p>DWG. NO. 1448 0107 PAGE 2 CHECKED D. FRANK 2-8-71 REV. LETTER D EFN 12-3 RELEASED 5-6-71</p>											

SCHMATIC



SH R.023

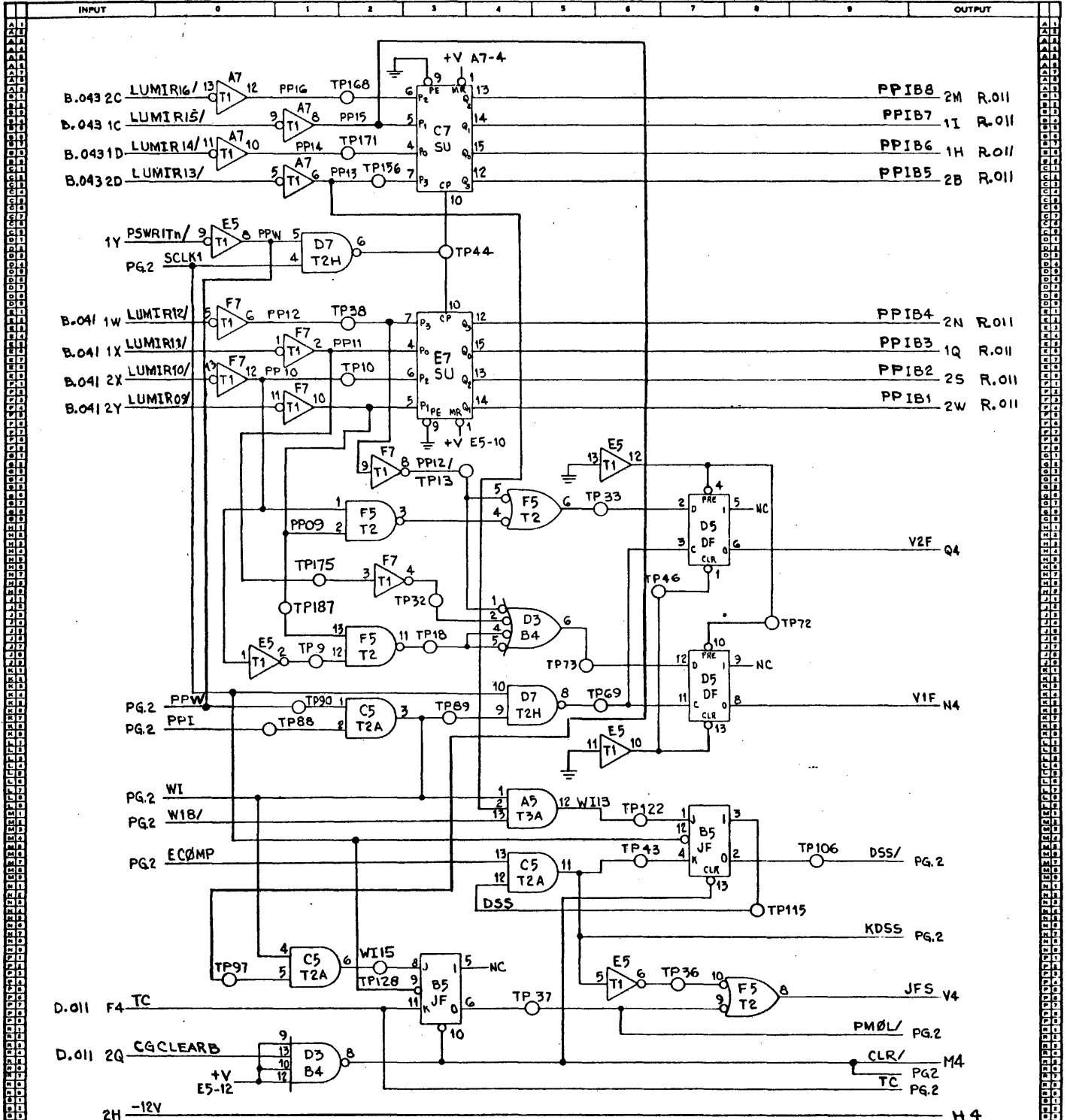
INPUT										OUTPUT									
0										A									
1										B									
2										C									
3										D									
4										E									
5										F									
6										G									
7										H									
8										I									
9										J									

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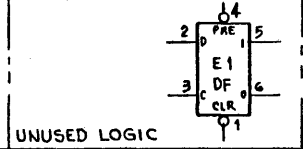
PRODUCTION

TITLE PP3 POTTER PRINTER DATA 1
 SYSTEM B700 DWG. NO. 14.48 0107
 DRAWN J.A. CHECKED D.FRANK 2-14-72 PAGE 3
 APPROVED E.BOGUSH RELEASED 5-6-72 REV. LETTER D ECH 1223
 B.B. DINERMAN 2-8-72 R-7-10-72 41-72

SCHMATIC



T3A	1447 3557	1	SU	1447 3755	2
T2A	1447 3524	2	JF	1447 3615	3
T2H	1479 0240	1	DF	1447 3607	3
T2	1447 3516	3	B4	1447 3599	1
T1	1447 3532	4			



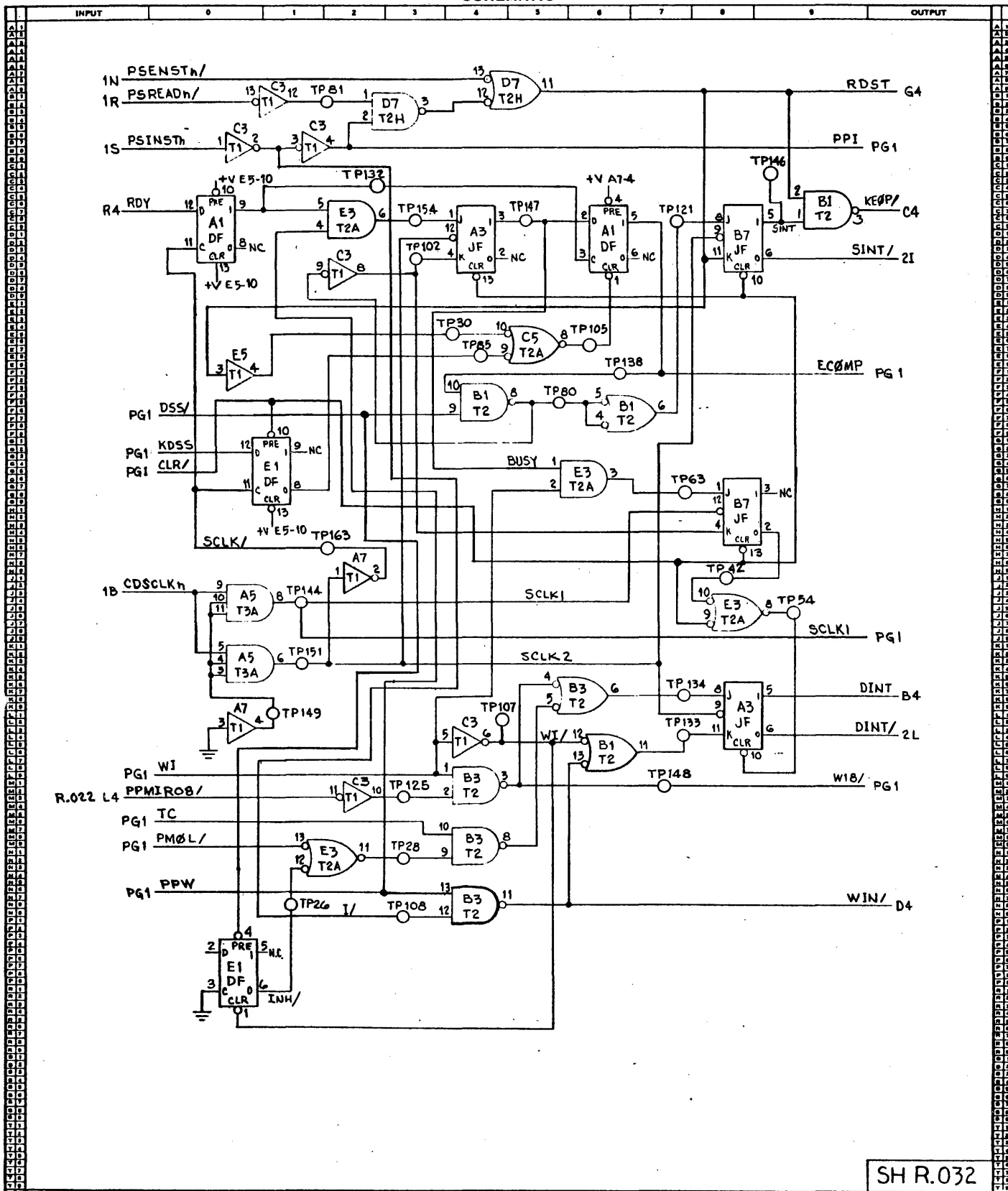
CODE	PART NO.	QTY	CODE	PART NO.	QTY	UNUSED LOGIC	CC 2-9520	SH R.031
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PRODUCTION

TITLE PP4 POTTER PRINTER SPECIAL CONTROL
 SYSTEM B 700 DWG. NO. 1448 0115
 DRAWN M. SULLIVAN CHECKED D. FRANK 2-10-72 PAGE 1 OF 2
 APPROVED B. DINERMAN RELEASED 5-6-72 REV. LETTER E PER ECN '534
 2-B-72 R.E.S. 8-25-72

SCHMATIC



SH R.032

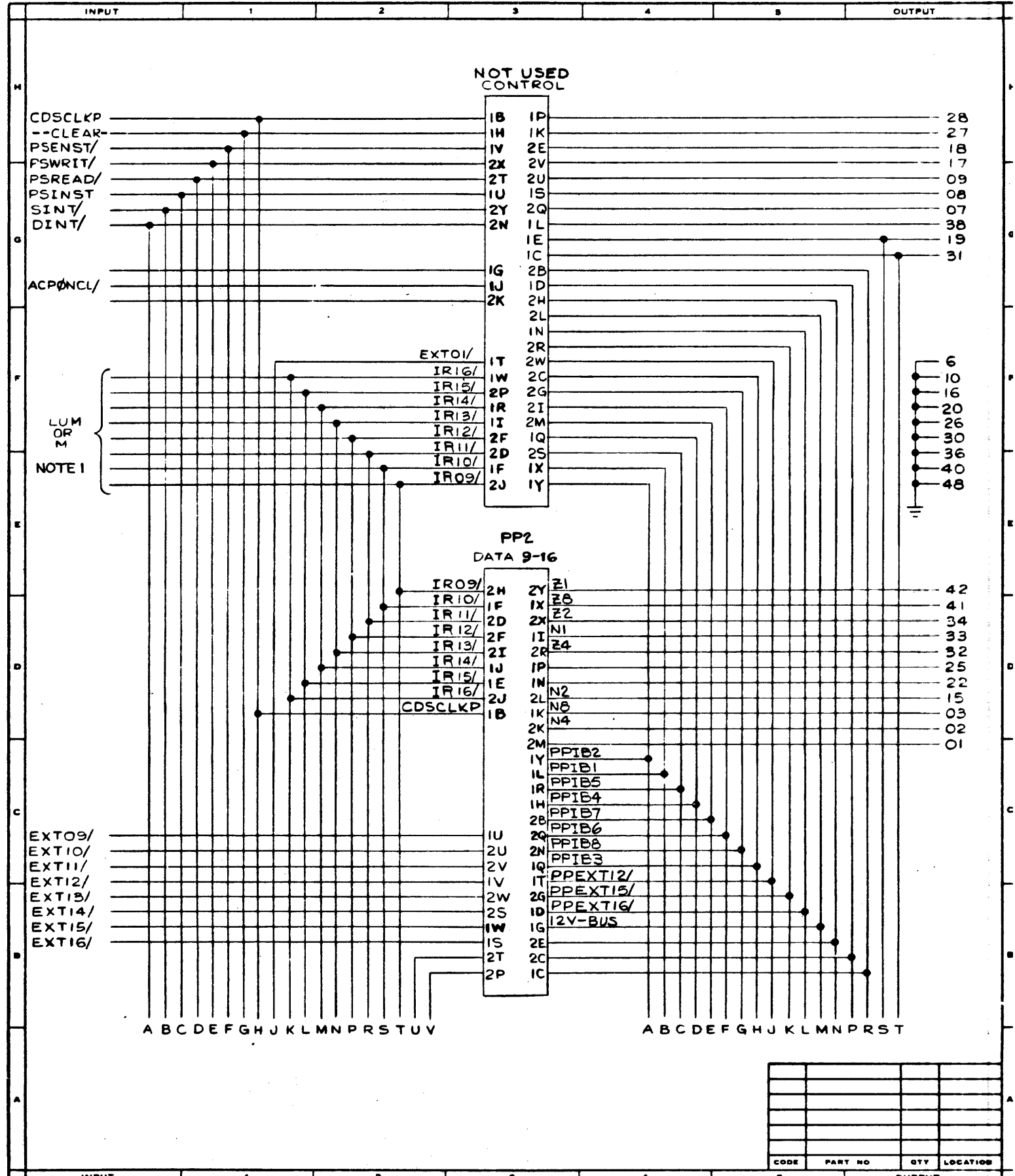
Burroughs Corporation
 MAGNETIC SYSTEMS PLANT DOWNTOWN PA 19330
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PRODUCTION

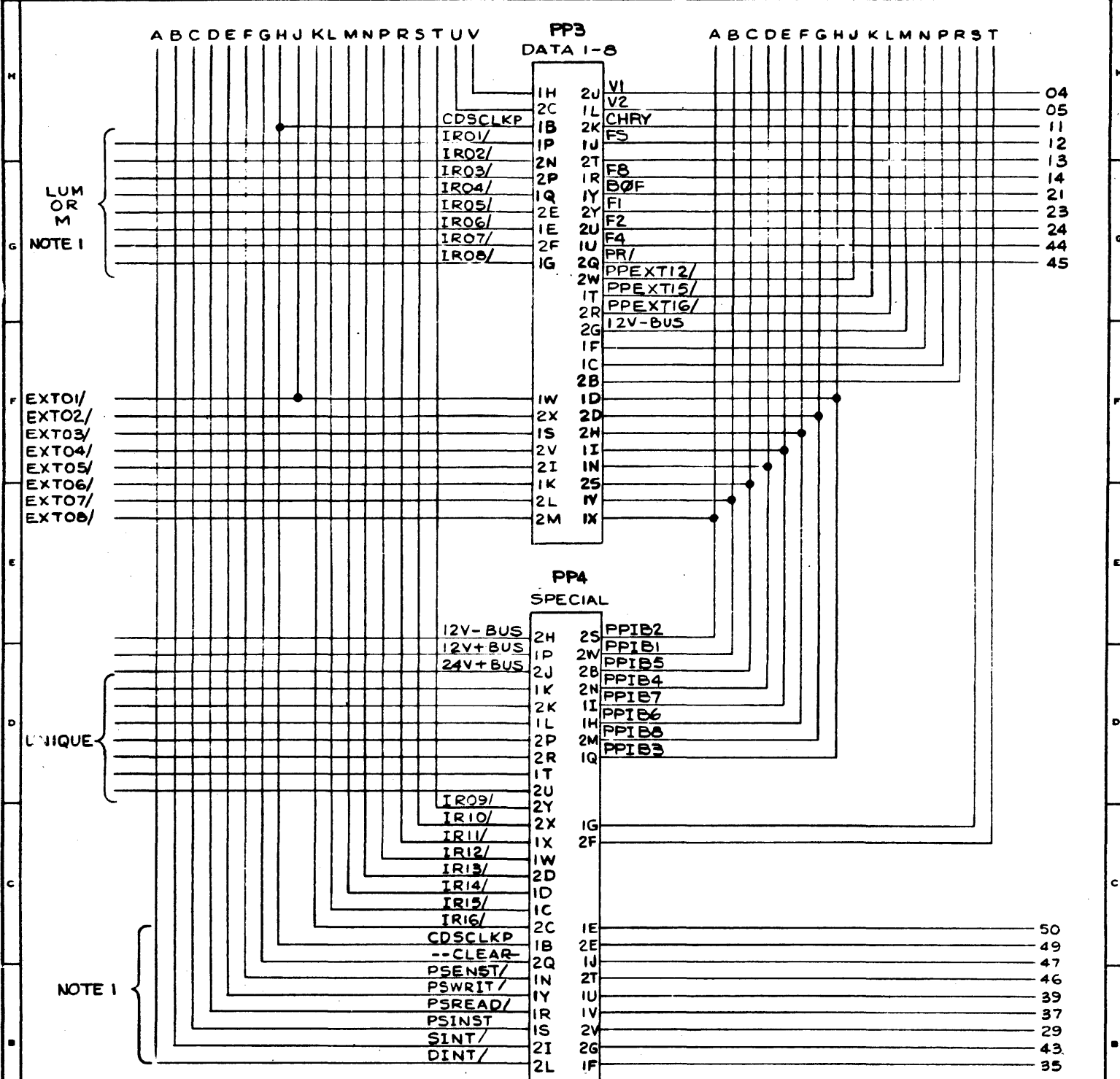
TITLE PP4 POTTER PRINTER SPECIAL CONTROL DWG. NO. 1448 0115
 SYSTEM B 700
 DRAWN M. SULLIVAN CHECKED D. FRANK 8-10-72 PAGE 2 OF 2
 APPROVED B. DINERMAN RELEASED 5-6-72 REV. LETTER E PER ECN 1554
 2-8-72 PWA 5/4/72 PPG 8-4-73

DTN 86 471

164



INPUT	1	2	3	4	5	OUTPUT	
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Burroughs Corporation</p> <p>COMPUTER SYSTEMS GROUP DOWNTOWN PLANT DOWNTOWN Pa. 19225 U.S. AMERICA</p> </div> <div style="width: 45%; text-align: right;"> <p>REV AA</p> <p>SH 12</p> <p>REVISIONS A 1-12-76 A 1-20-76</p> </div> </div>							
		165		<p>DATE 1-12-76 BY CZUTSKI</p> <p>DATE 1-20-76 BY R. J. Johnson</p> <p>DATE 3-1-76 BY W. C. ...</p> <p>DATE 3-7-76 BY E. J. ...</p>		<p>TITLE DDP PP WIRING DIAGRAM</p> <p>SHEET 1 OF 2 DWG NO 2606 9633</p>	<p>CLASS CODE 2-9520</p> <p>PLT NO 038 REV A</p>



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, 2E

<p>Burroughs Corporation</p> <p>COMPUTER SYSTEMS GROUP DOWNTOWN PLANT</p> <p>DOWNTOWN PA 19333 U.S. AMERICA</p>	REVISIONS	TITLE DDP PP WIRING DIAGRAM		CLASS CODE 2-9520			
		SHEET 2		DWG NO 2606 9633		PLY NO 038	
						REV A	

166

PRINTED IN U.S. AMERICA 11-159 12 74

Burroughs Corporation



COMPUTER SYSTEMS GROUP

DOWNINGTOWN PLANT

DOWNINGTOWN, 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
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 Rev 09</i>		
B	Revised for ECN 4448. Templates deleted.	12-2-75	<i>W. Johnson</i> <i>JMS</i>

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		PR3L/	47											
23				AS			35		CS1L/	48											
24				AT			43		CS2L/	49											
25	24	GRAY	P2	BR	SOLDER	PI	48	1472 0726	GND	50											

NOTES:

671

DRAWN KAPPE	DATE 1-25-73
CHECKED	DATE
DESGN OR ENGR E. Berger	DATE 1-24-73
APPROVED W. J. G.	DATE 1/30/73

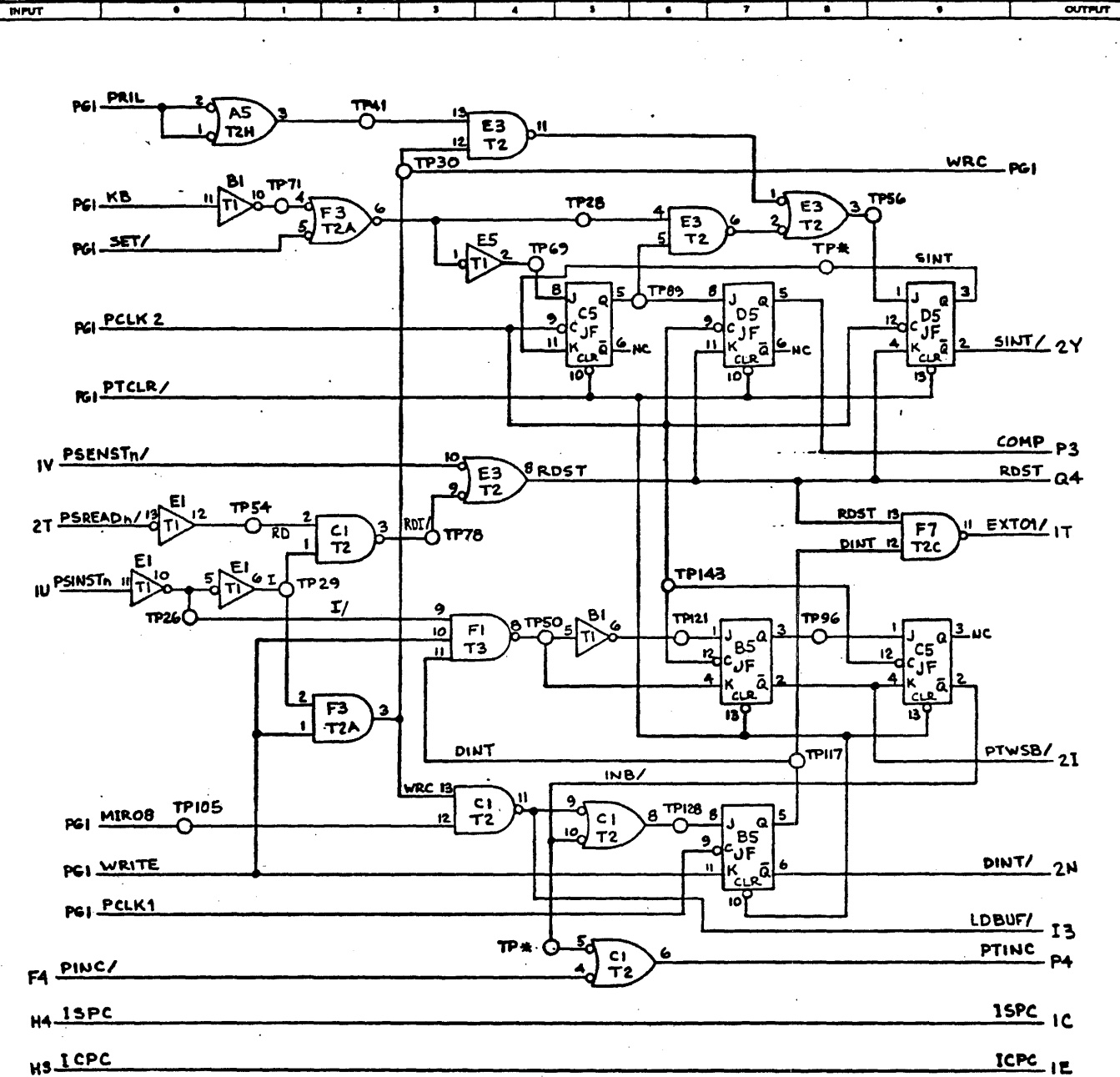
Burroughs Corporation 
SMALL SYSTEMS PLANT
DOWNTOWN, PA. 19338, U. S. AMERICA

TITLE
WIRE LIST
CABLE ASSY, ADAPTER
LINE PRINTER A9247

SHEET 2 OF DWG NO 1448 0370

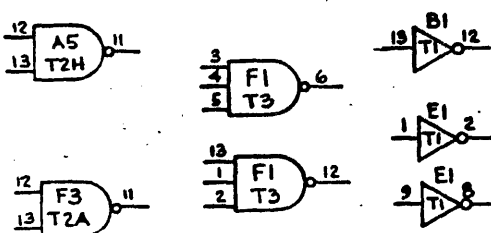
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SCHEMATIC



* UNABLE TO REACH DEDICATED VIA

UNUSED LOGIC



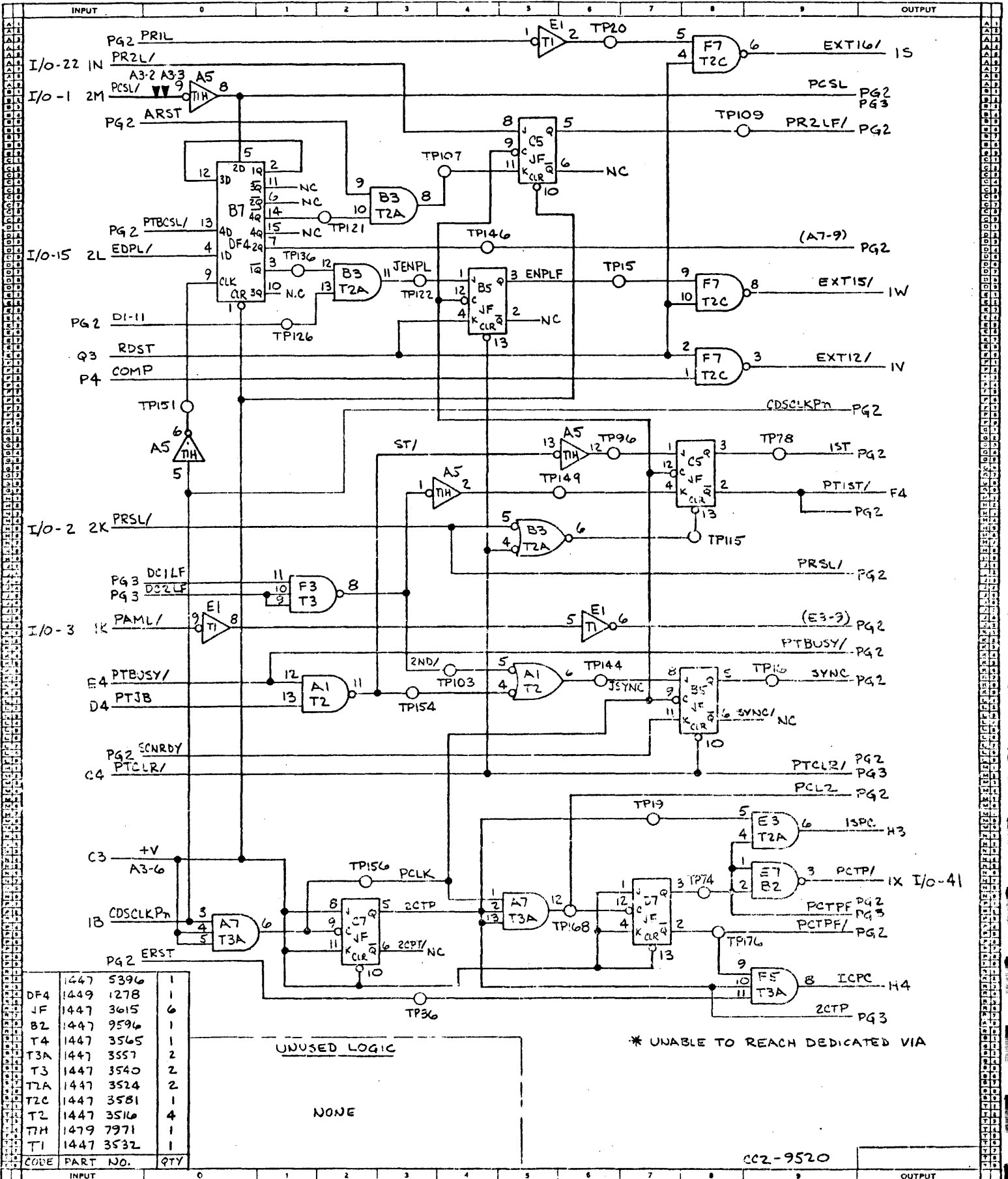
CC2-9520

SZ	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

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TITLE PT1 TIREMAN PRINTER CONTROL
 SYSTEM B711
 DRAWN CLEISCHOFF CHECKED RWR
 APPROVED JRE 4/15/75 RELEASED
 DWG. NO. 1447 8473
 PAGE 2 OF 2
 REV. LETTER B ECU1726

SCHEMATIC



DF4	1447	5396	1
JF	1447	3615	6
B2	1447	9596	1
T4	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

* UNABLE TO REACH DEDICATED VIA

CC2-9520

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

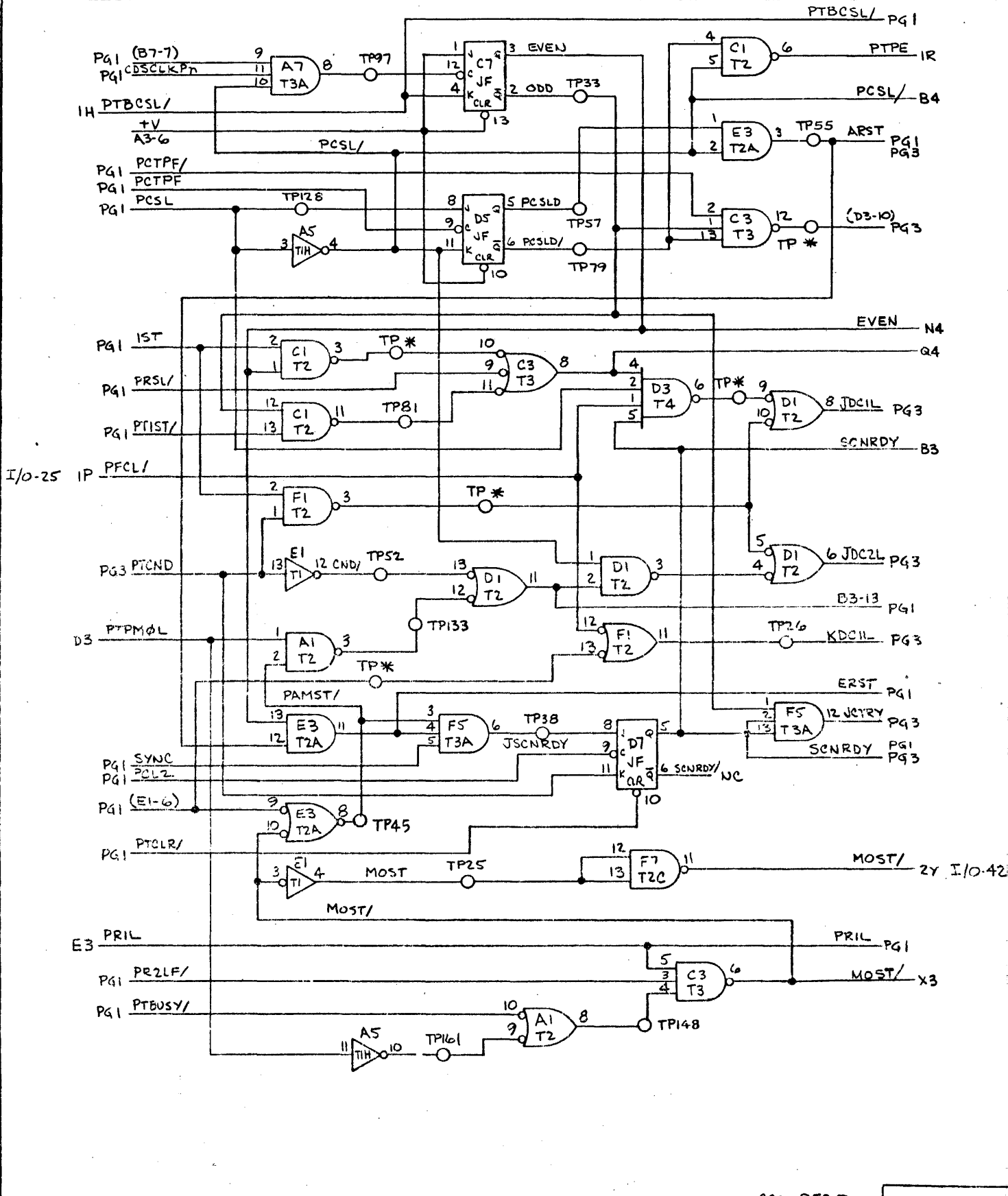
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TITLE PRINTER DBP PTZ
 SYSTEM B711
 DRAWN C. WEAVER
 APPROVED [Signature]
 1/17/72

DWG. NO. 1447 9281
 PAGE 1 OF 3
 REV. LETTER D ECU 3.90A
 DWF 3.5.75

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

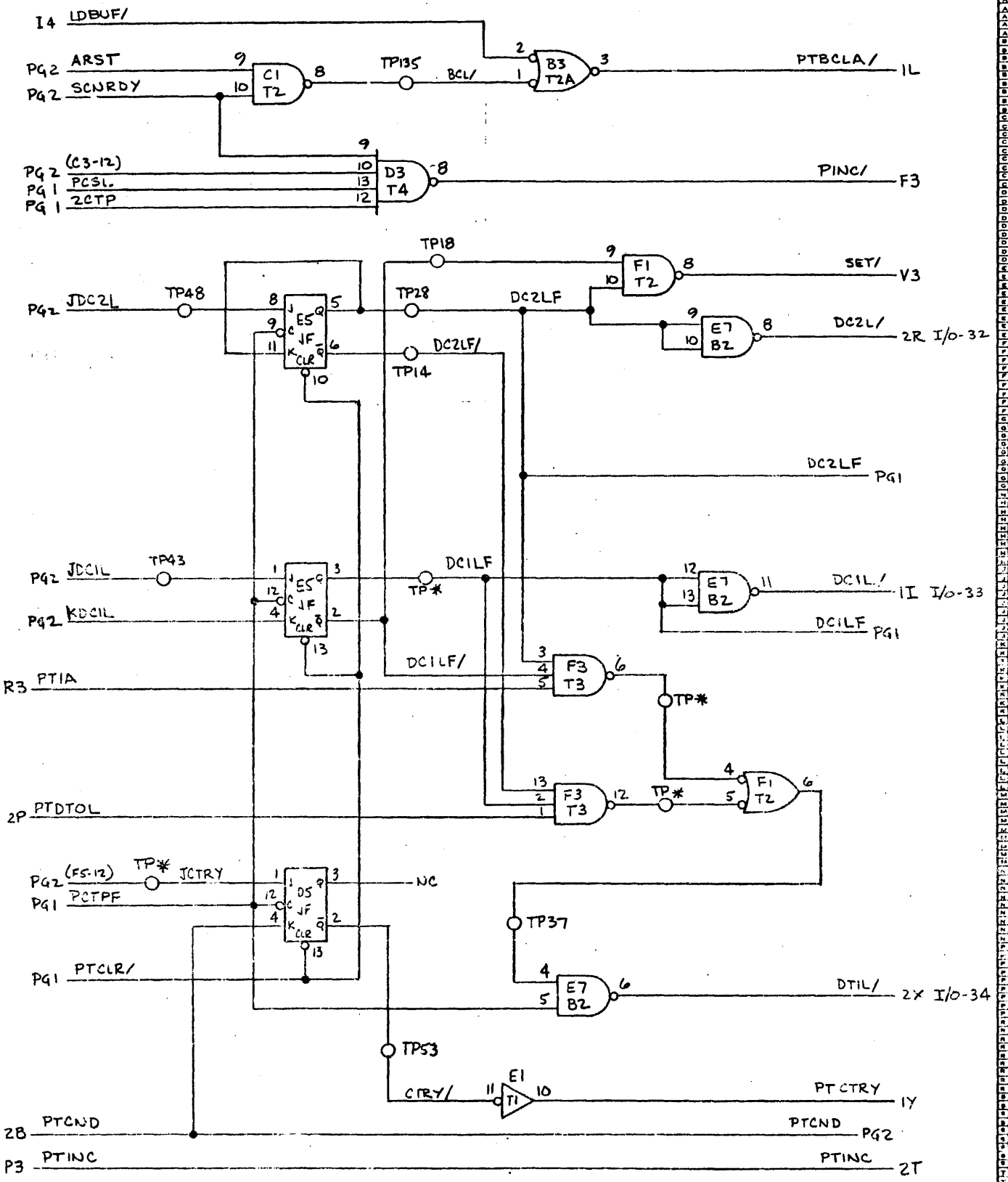
Burroughs Corporation
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 DOWNTOWN, PA 19338
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 FACTURING PURPOSES WITHOUT BURROUGHS CORP. PRIOR WRITTEN CONSENT

TITLE **PRINTER DDP PTZ**
 SYSTEM 5711
 DRAWN **R. WEAVER**
 APPROVED: *[Signature]*
 CHECKED **C. L. ESCOFF**
 RELEASED

DWG. NO. **1447 9281**
 PAGE **2 OF 3**
 REV. LETTER **D ECN 3620A**
 OF **3475**

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

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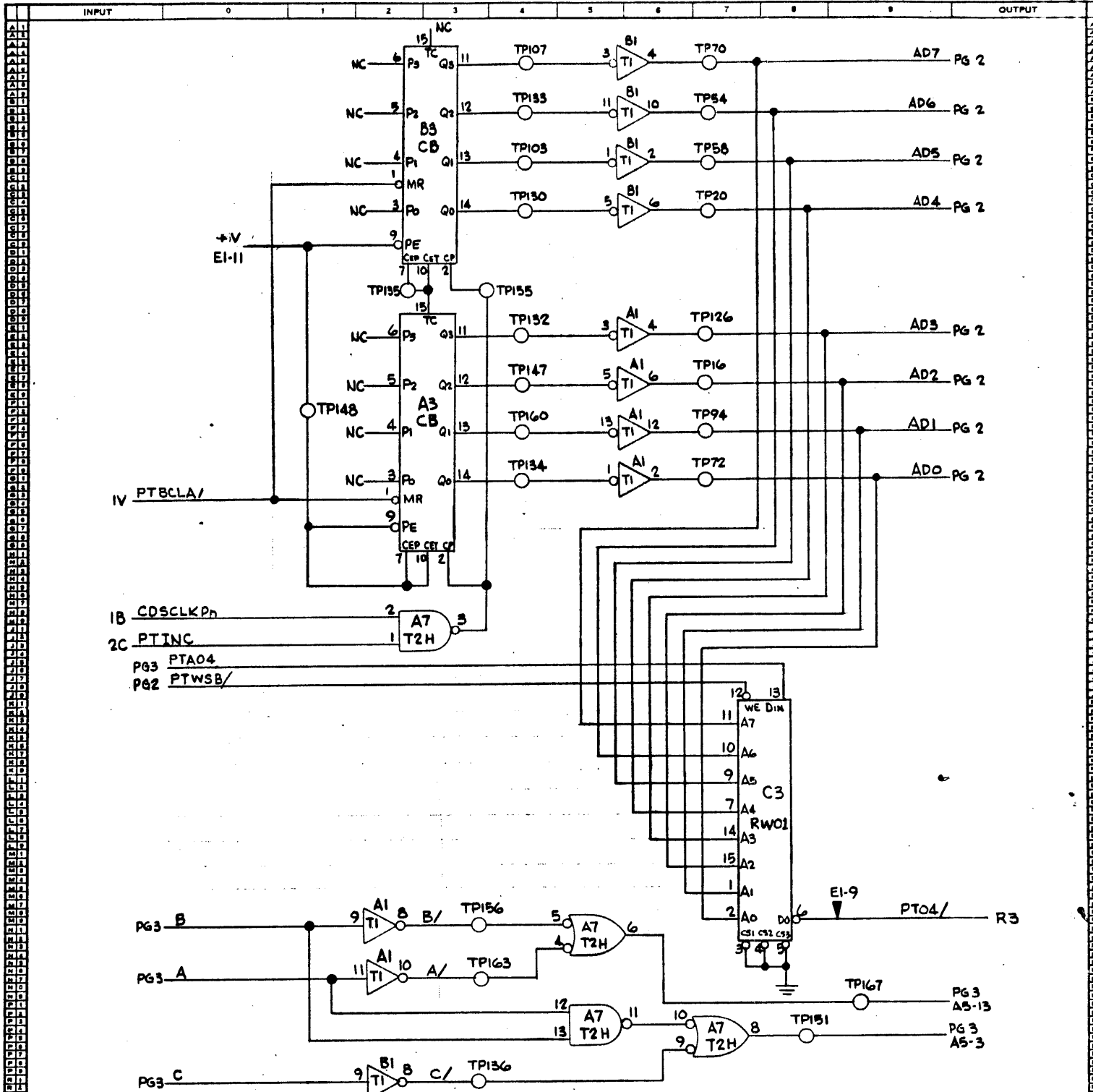
TITLE **PRINTER DDP PT2**
 SYSTEM B711
 DRAWN R. W. JAVIER / CHECKED C. L. BISCHOFF
 APPROVED: [Signature] / RELEASED

DWG. NO. 1447 9281
 PAGE 3 OF 3
 REV. LETTER C ECU 3690
 DE 3-4-75

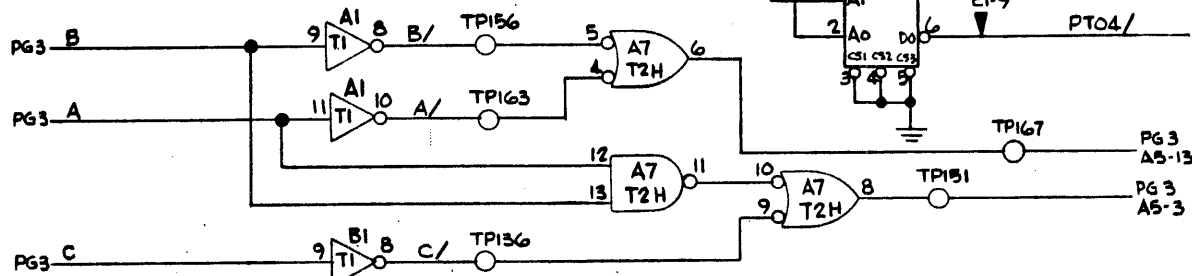
174

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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

Burroughs Corporation
MAGNETIC SYSTEMS PLANT DOWNINGTOWN PA 19335

TITLE PT3
SYSTEM DC2110
DRAWN KRELL
APPROVED F. SARGENT

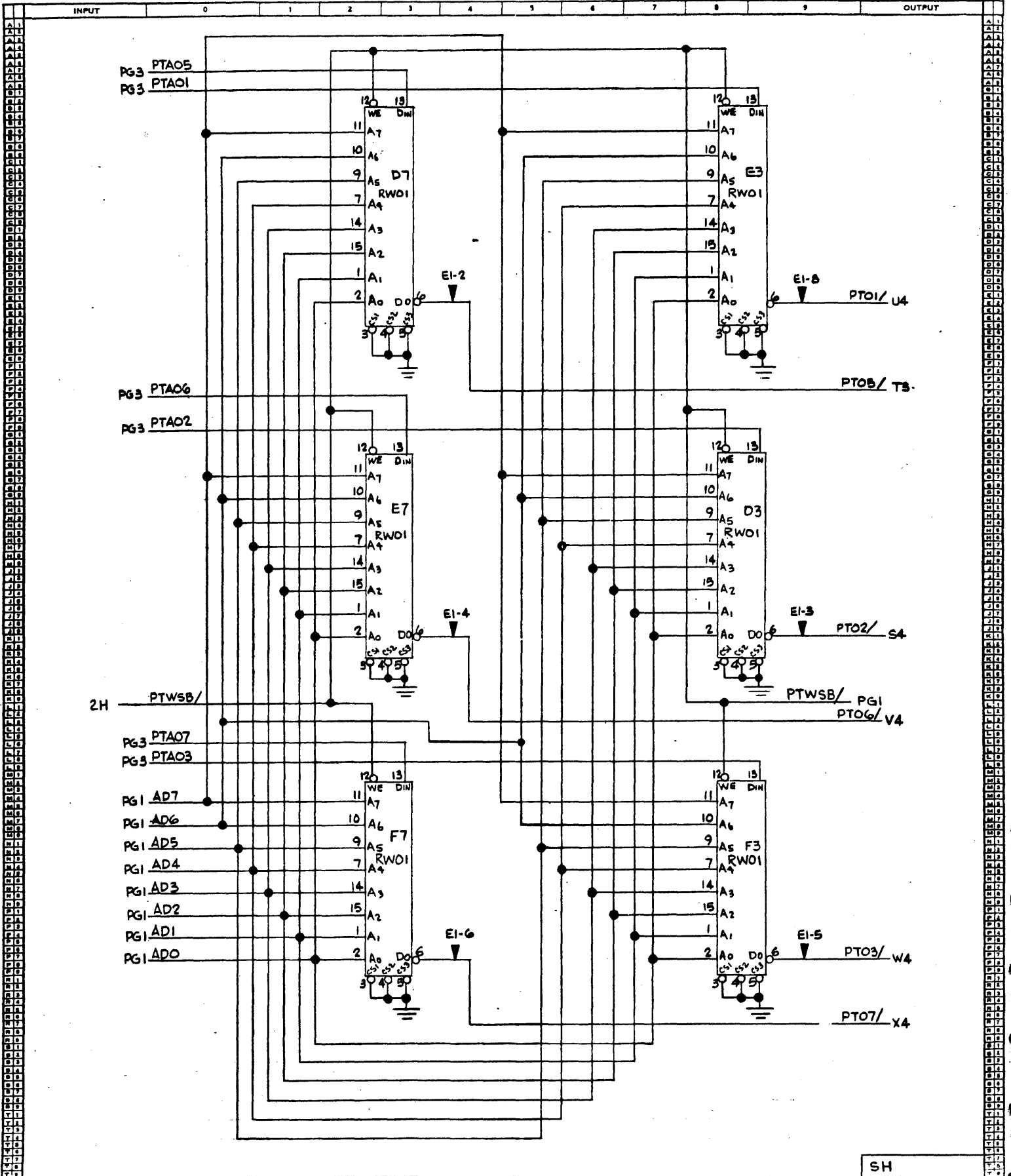
CHECKED J. SELLER
RELEASED
3-12-73

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

REVISIONS
D

SHT 1 2 3
REV D A D

SCHMATIC



SH

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TITLE PT3
 SYSTEM DC2110
 DRAWN KRELL
 APPROVED *[Signature]*
 CHECKED *[Signature]*
 RELEASED 3.12.73
 DWG. NO. 1447 9299
 PAGE 2
 REV. LETTER A ER 87
 4-1-73

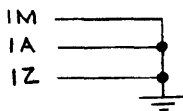
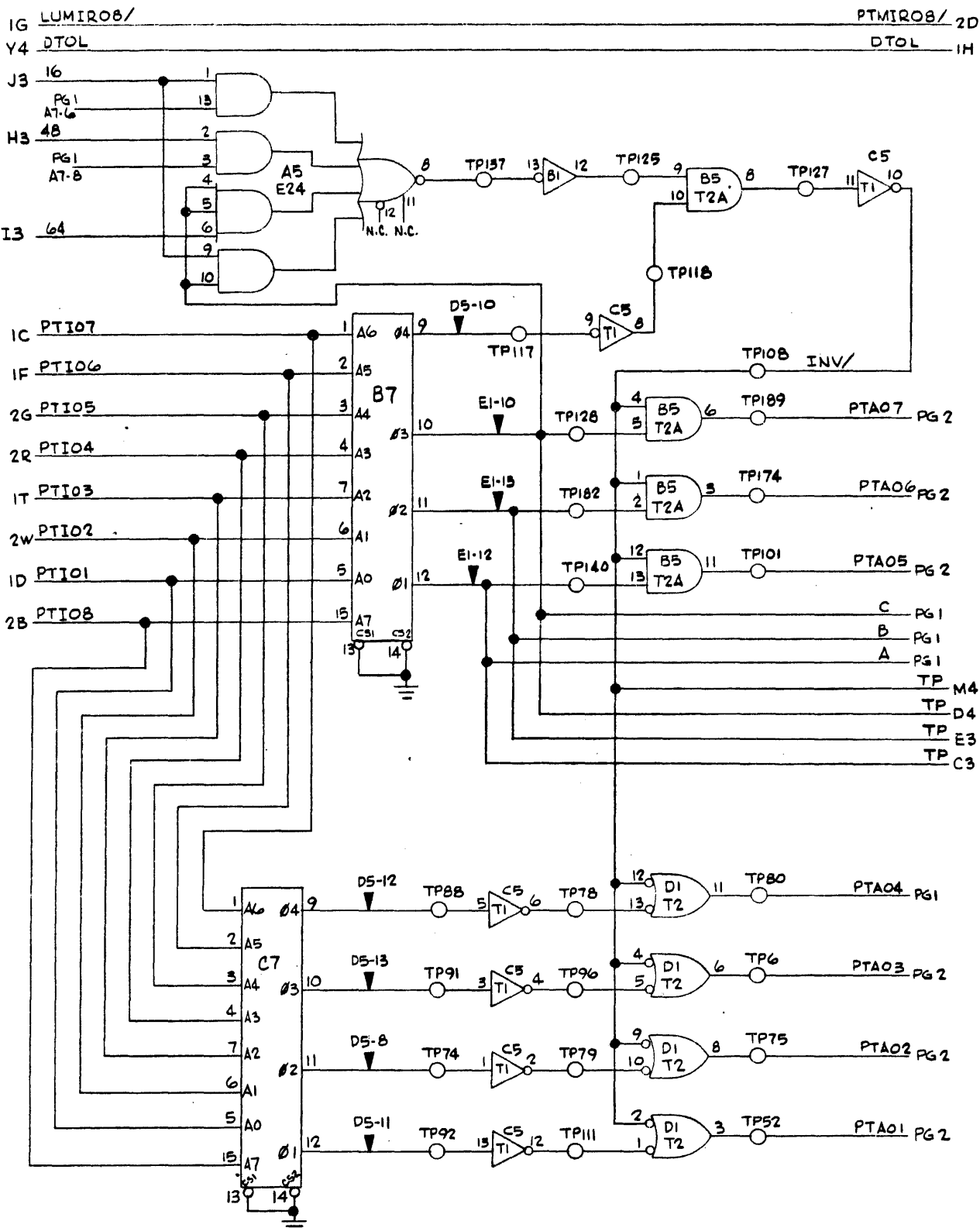
PRINTED IN U.S.A.

176

176

SCHMATIC

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



SH

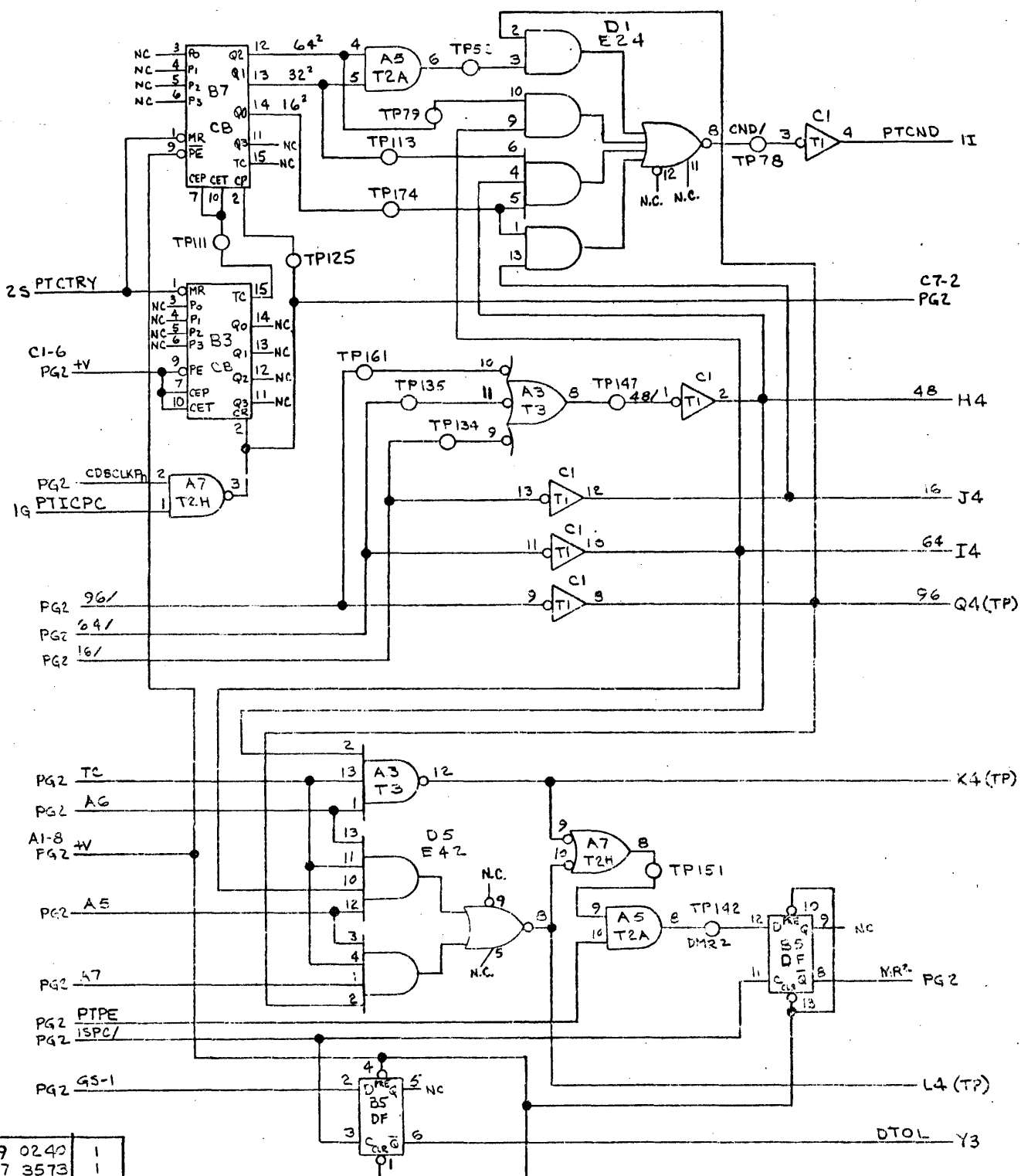
INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

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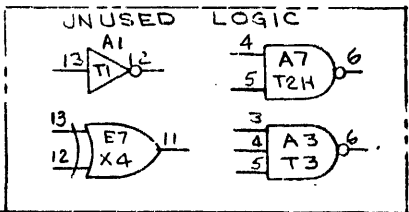
TITLE PT3
 SYSTEM DC2110
 DRAWN KRELL
 APPROVED F. SCHROEDER
 CHECKED [Signature]
 3-12-73
 DWG. NO. 1447 9299
 PAGE 3
 REV. LETTER D

SCHEMATIC

INPUT 0 1 2 3 4 5 6 7 8 9 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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Burroughs Corporation

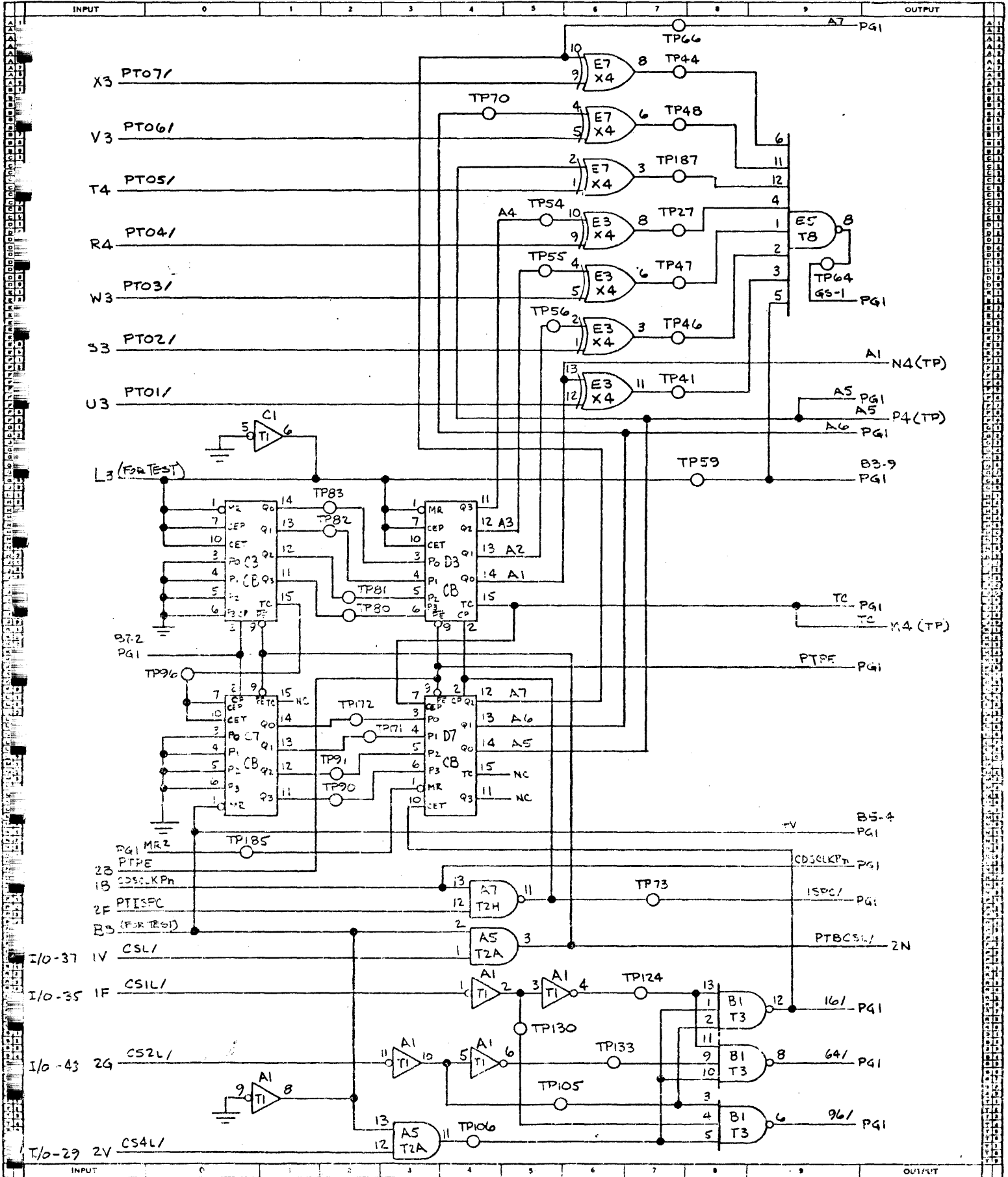
MAGNETIC SYSTEMS PLANT DOWNINGTOWN, PA 19338

TITLE PRINTER DDP PT4
 SYSTEM DRAWN KRELL CHECKED [Signature] DWG. NO. 1447 9307
 APPROVED F. SCHROEDER RELEASED 5-16-73 REV. LETTER D FEBRUARY 1968
 4-6-73 4/10/73

REV. DC
 PAGE 12

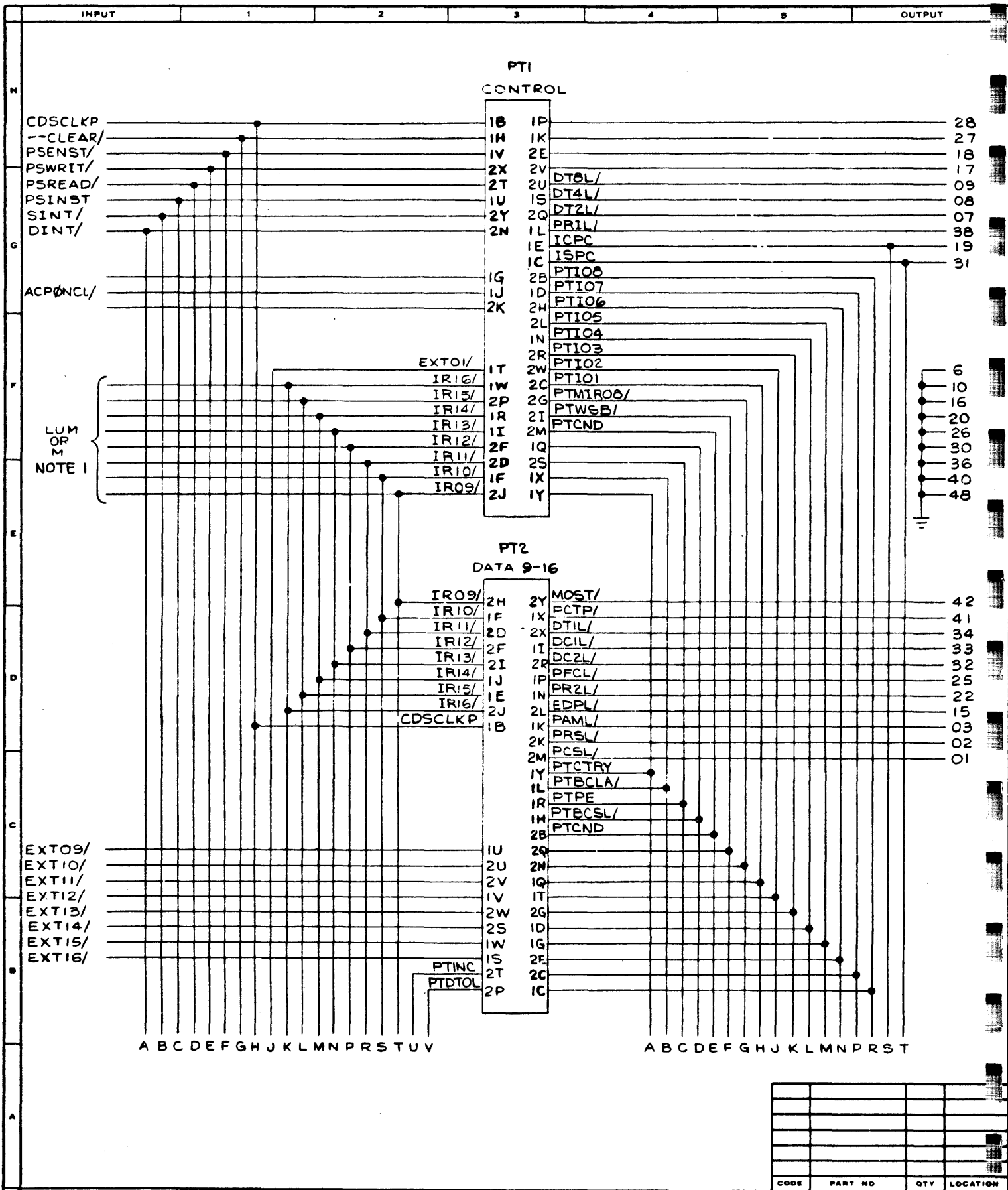
178

SCHEMATIC



Burroughs Corporation
 MAGNETIC SYSTEMS PLANT DOWNTOWN, PA 19333

TITLE PRINTER DDP PT4
 SYSTEM
 DRAWN [Signature] CHECKED [Signature]
 APPROVED [Signature] RELEASED [Signature]
 DWG. NO. 1447 9307
 PAGE 2 OF 2
 REV. LETTER [Signature]



CODE	PART NO	QTY	LOCATION

180 Burroughs Corporation

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

REV A A
SH 1 2

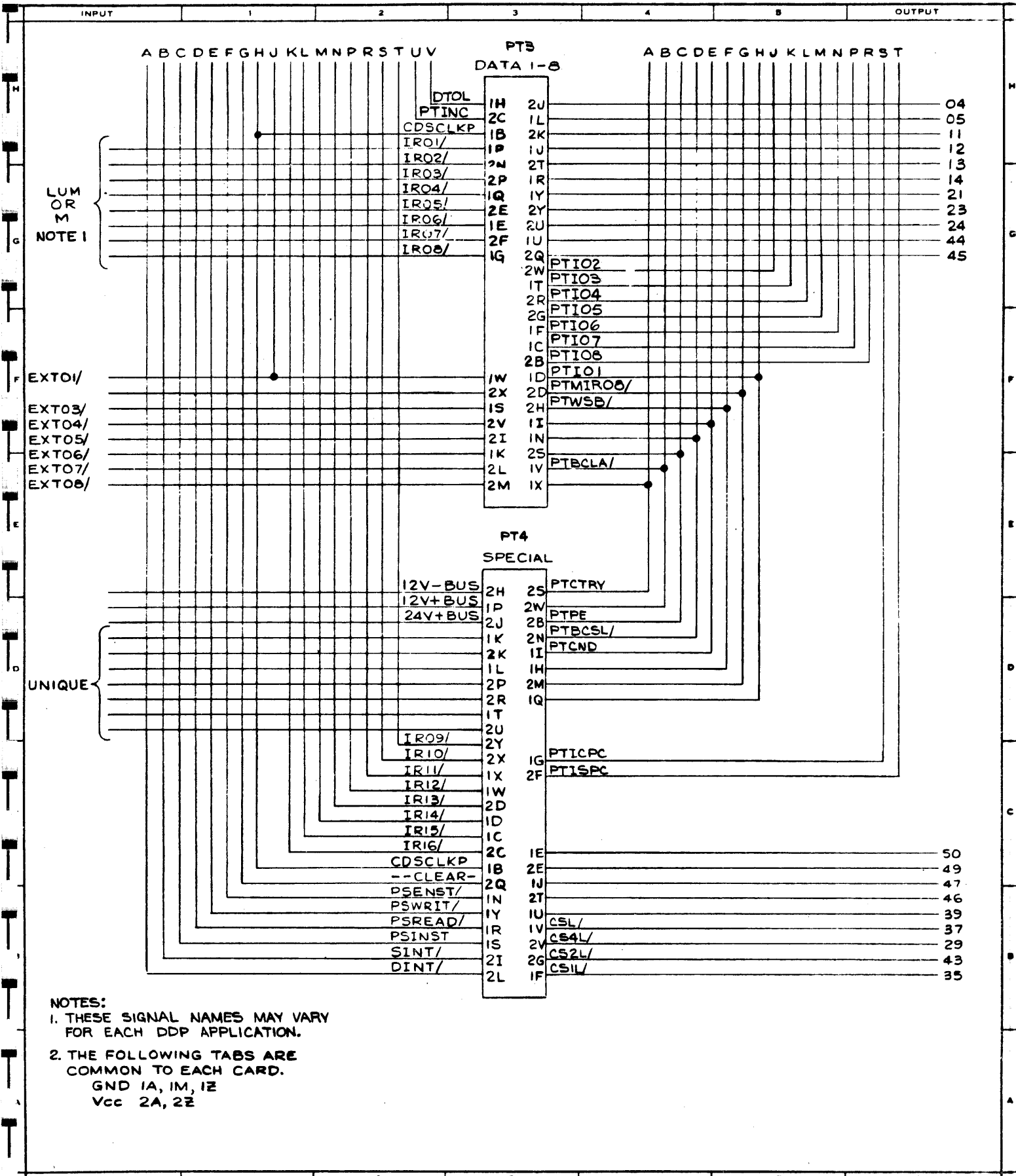
DESIGNED BY: C. ZUTSKI DATE: 1-5-76
CHECKED BY: P. J. ... DATE: 1-20-76
DRAWN BY: ... DATE: 3-1-76

TITLE: DDP PT WIRING DIAGRAM CLASS CODE: 2-9520

SHEET 1 OF 2 DWG NO: 2606 9641 PLT NO: 038

180

PRINTED IN U.S. AMERICA



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 PA 19333

DOWNTOWN PLANT
U.S. AMERICA

REVISIONS

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TITLE DDP PT
WIRING DIAGRAM

CLASS CODE
2-9520

SHEET DWG NO
2 2606 9641

PLT NO REV
038 A

181

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. Spingler</i>
	C	Revised per ECN 4759. Styles B244-1 thru -6 added.	3-5-76 <i>HRC</i> <i>W. Spingler</i>
	D	Revised per ECN 5369. Style B244-7, -8, -12, & -13 added.	11-8-76 <i>W. Spingler</i> <i>HRC</i>

182

182



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.

Burroughs Corporation

SMALL SYSTEMS GROUP

DOWNINGTOWN PLANT

DOWNINGTOWN, PENNSYLVANIA 19335



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PRIOR WRITTEN CONSENT.

NUMBER

2606 3941

REV

D

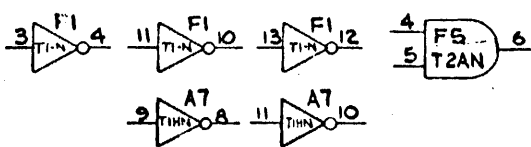
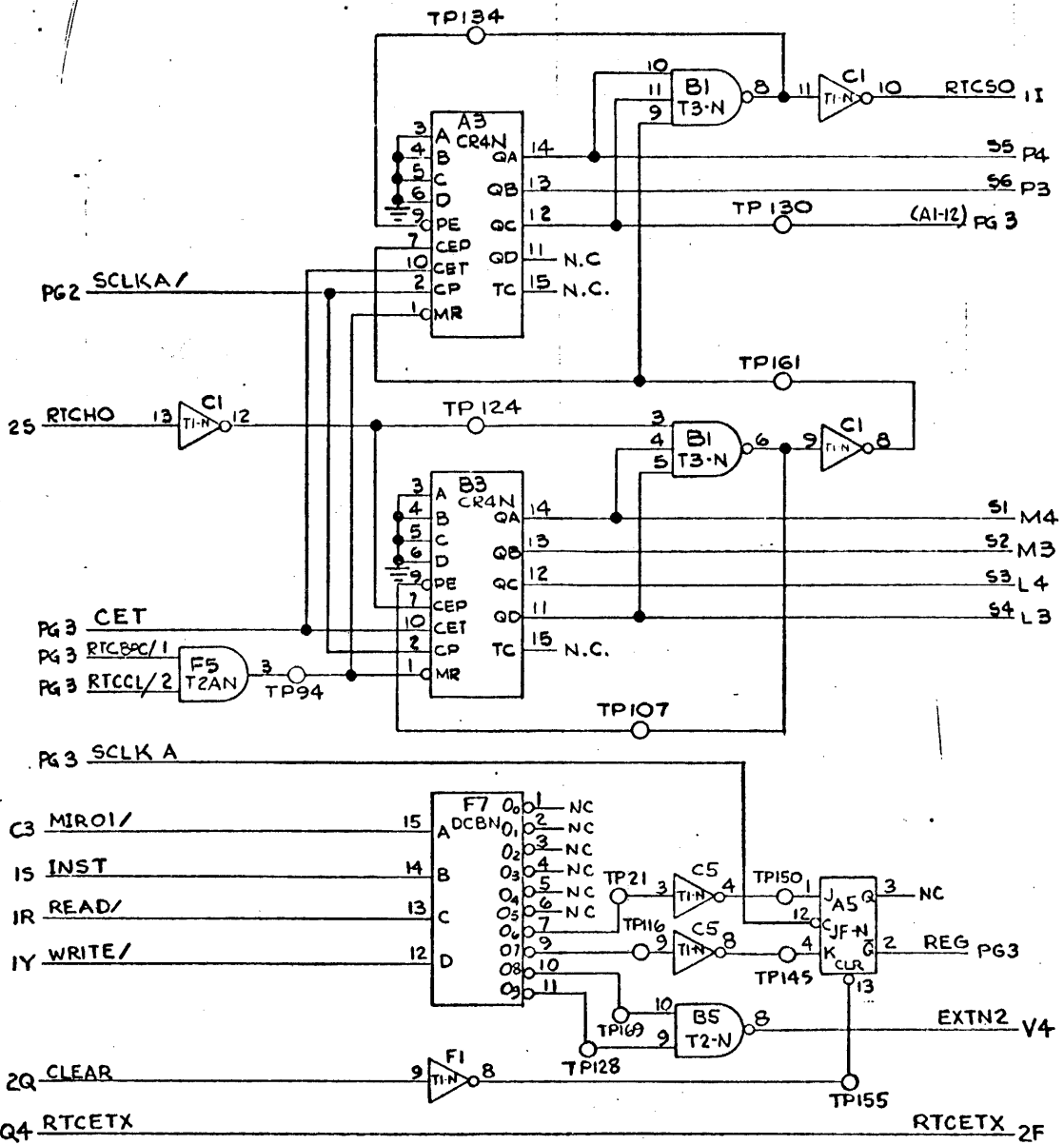
PAGE

4

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.



UNUSED LOGIC

JF-N	1447	3615	1	
TIHN	1479	7971	1	
DCBN	1449	2581	1	
CR4N	1447	3771	10	
DF-N	447	3607	1	
T4-N	447	3565	1	
T3-N	1447	3540	3	
T1-N	1447	3532	3	
T2AN	447	3524	1	
T2-N	1447	3516	1	
CODE	PART NO	QTY	LOCATION	

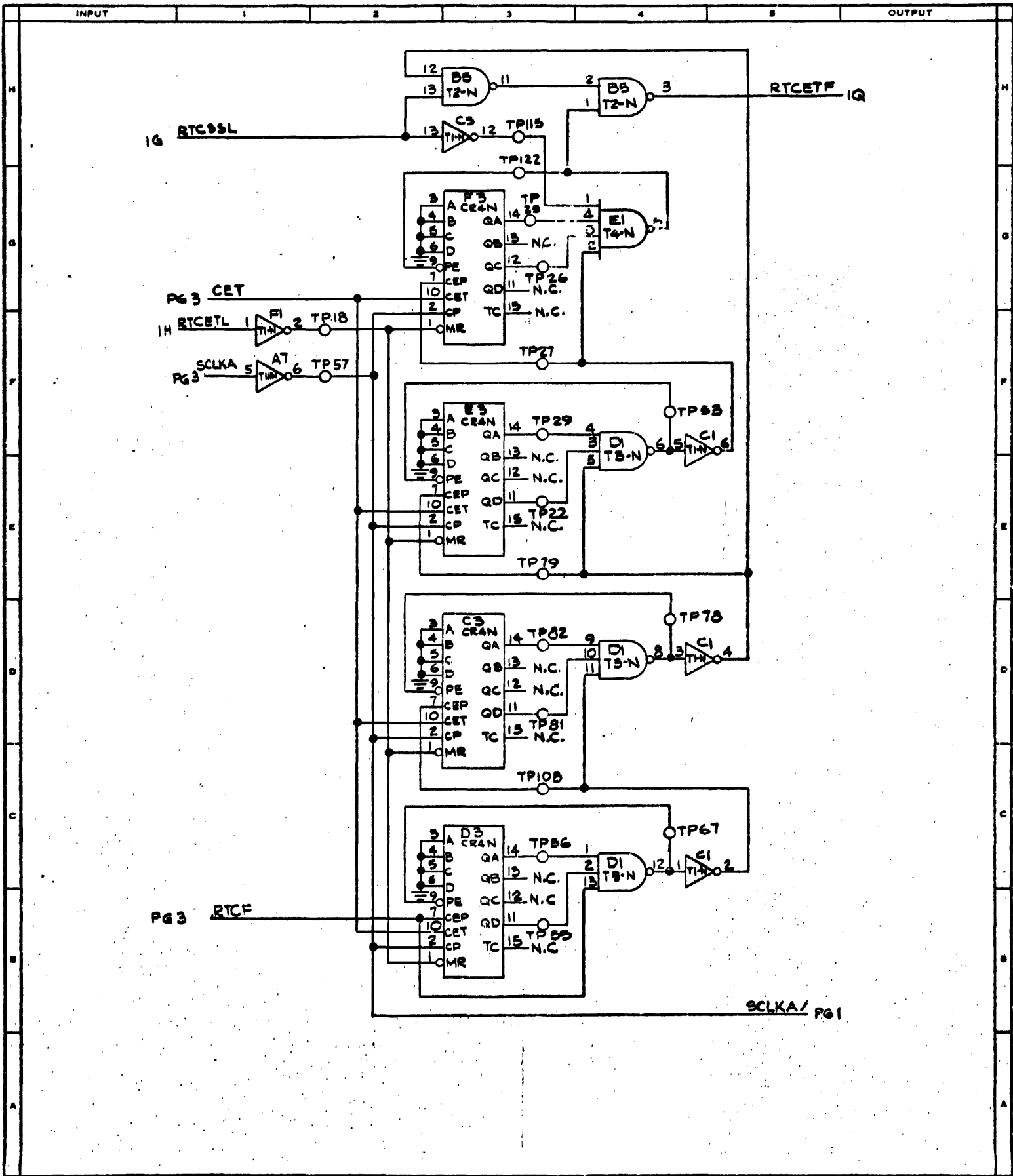
Burroughs Corporation

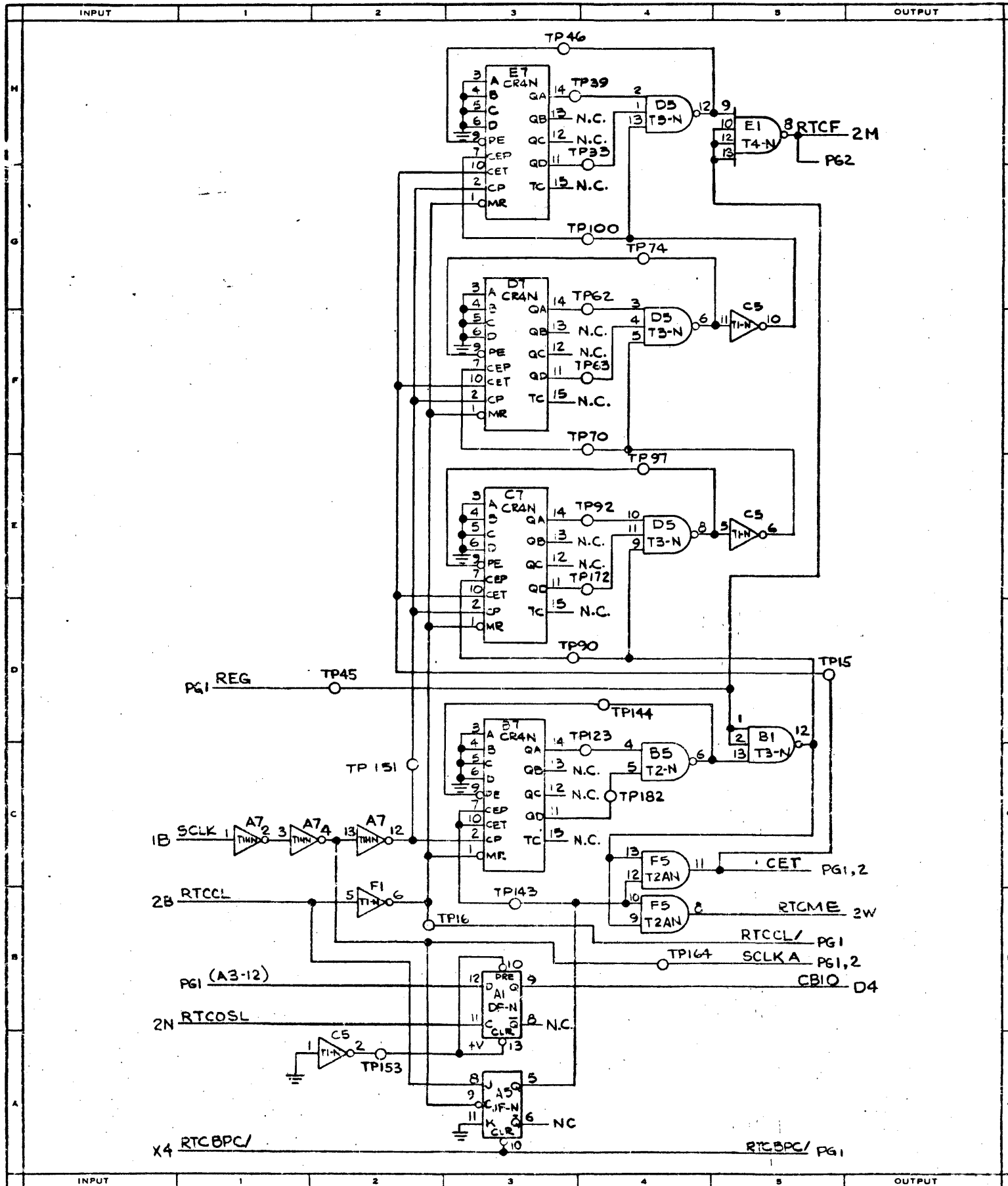
COMPUTER SYSTEMS GROUP BOWNINGTOWN PLANT
BOWNINGTOWN PA 19335 U.S. AMERICA

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

REV	DATE	BY	CHKD	DATE	TITLE	CLASS CODE
1	3-11-75	A	A		RTC 4	2-9520
2						
3						
DRAWN: ATUREK CHECKED: J. J. [Signature] DATE: 3-11-75 STD. OF ENGR: [Signature] DATE: [Signature] APPROVED: [Signature]						SHEET 1 OF 3 DWG NO. 2604 3703 PLY NO. 038 REV. A

185





Burroughs Corporation

COMPUTER SYSTEMS GROUP
DOWNTOWN PLANT
DOWNTOWN, PA. 19335

DOWNTOWN PLANT
U.S. AMERICA

REVISIONS

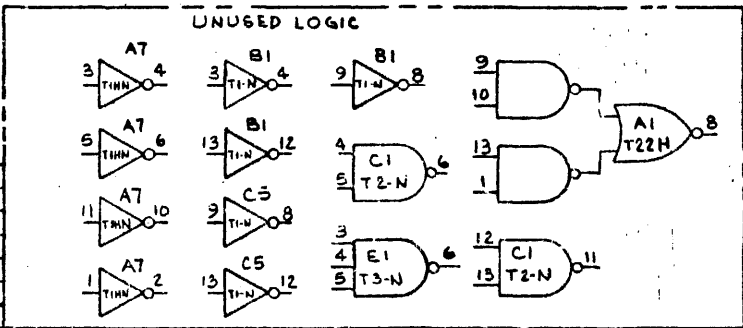
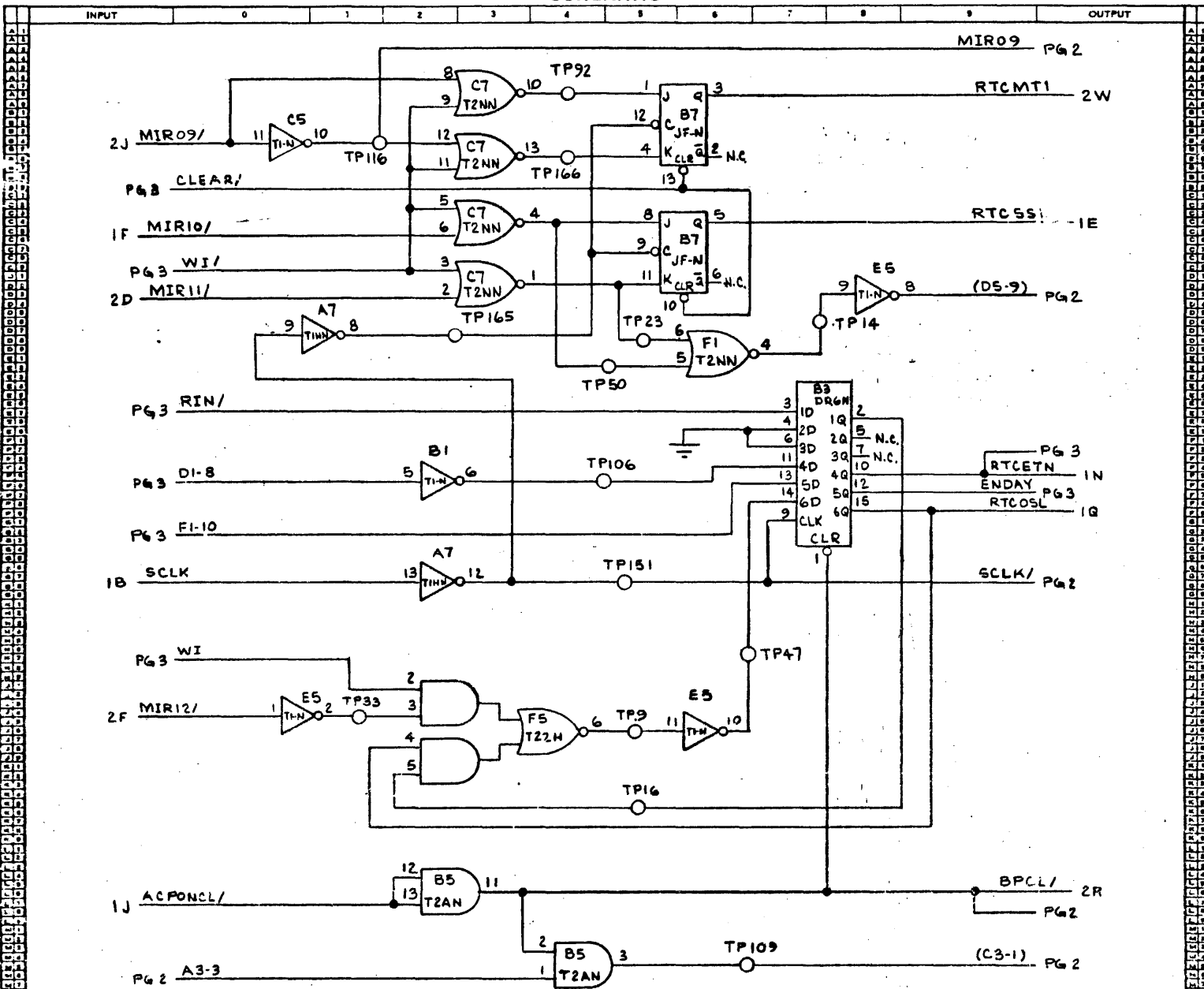
A 10/28/67

PROPRIETARY TO BURROUGHS CORP. - NOT TO BE REPRODUCED, NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OF PRIOR WRITTEN CONSENT
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187

TITLE RTC 4		CLASS CODE 2-9520	
SHEET 3	DWG. NO. 2604 3703	PLT. NO. 038	REV. A

SCHMATIC



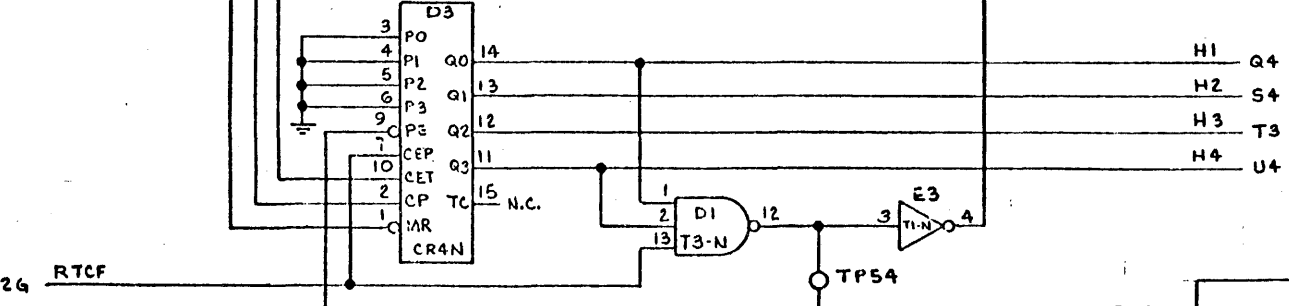
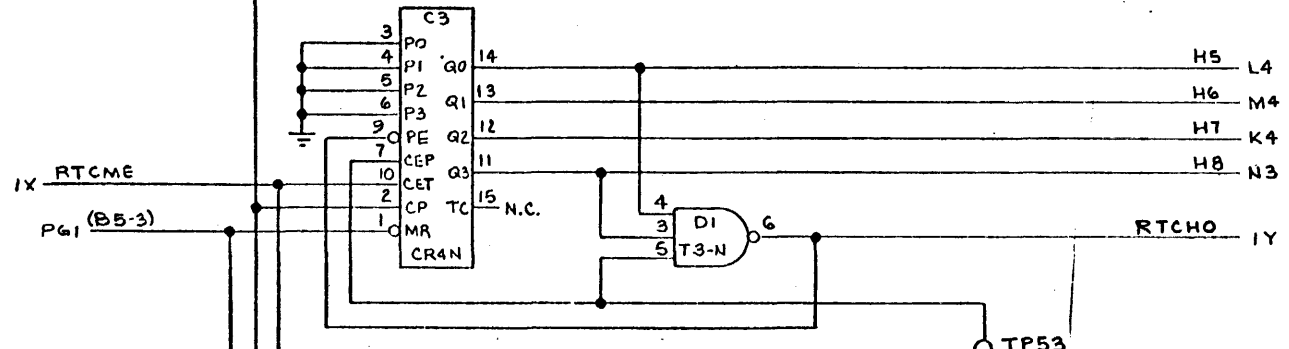
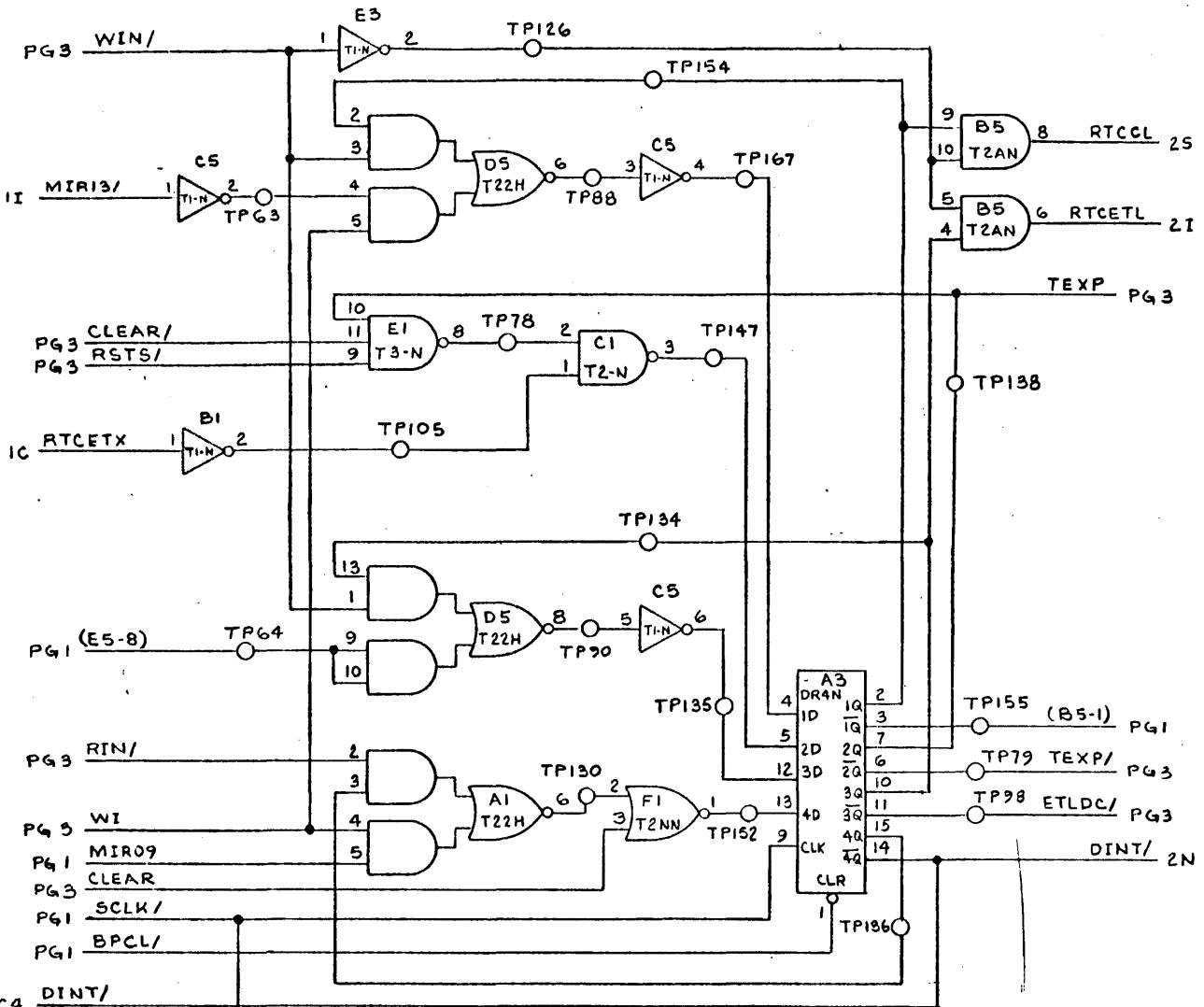
T3-N	1447 3540	2	JF-N	1447 351E	1
T2NN	2600 4911	2	DR6N	1449 127B	1
T2AN	1447 3524	1	DCBN	1449 2581	1
T2-N	1447 3516	1	DR6N	1449 1260	1
TIHN	1479 7971	1	CR4N	1447 3771	2
T-N	1447 3532	4	T22H	2603 7598	4
CODE	PART NO.	QTY	CODE	PART NO.	QTY

CC2-9520

Burroughs Corporation COMPLETE SYSTEMS GROUP DOWNINGTOWN PA 19335		DOWNINGTOWN PLANT U.S. AMERICA		TITLE: RTCI DRAWN: J. SCHLEMMER CHECKED: [Signature] DATE: 2-11-75		DESIGN OR ENGR: [Signature] DATE: 4-2-75		NUMBER: 2604 3745 REV: A	
PROPERTY OF BURROUGHS CORPORATION - NOT TO BE REPRODUCED OR USED FOR ANY PURPOSES WITHOUT PERMISSION OF BURROUGHS CORPORATION				REVISIONS: [Table with 4 columns: No., Description, Date, By]		DATE: 2-11-75 APPROVED: [Signature]		DATE: 4-7-75	
2604 3745 188		3 2 1 P6.N0. A A A REV		PAGE 1 OF 3		PRINTED IN U.S. AMERICA		188	

SCHMATIC

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



CC2-9520

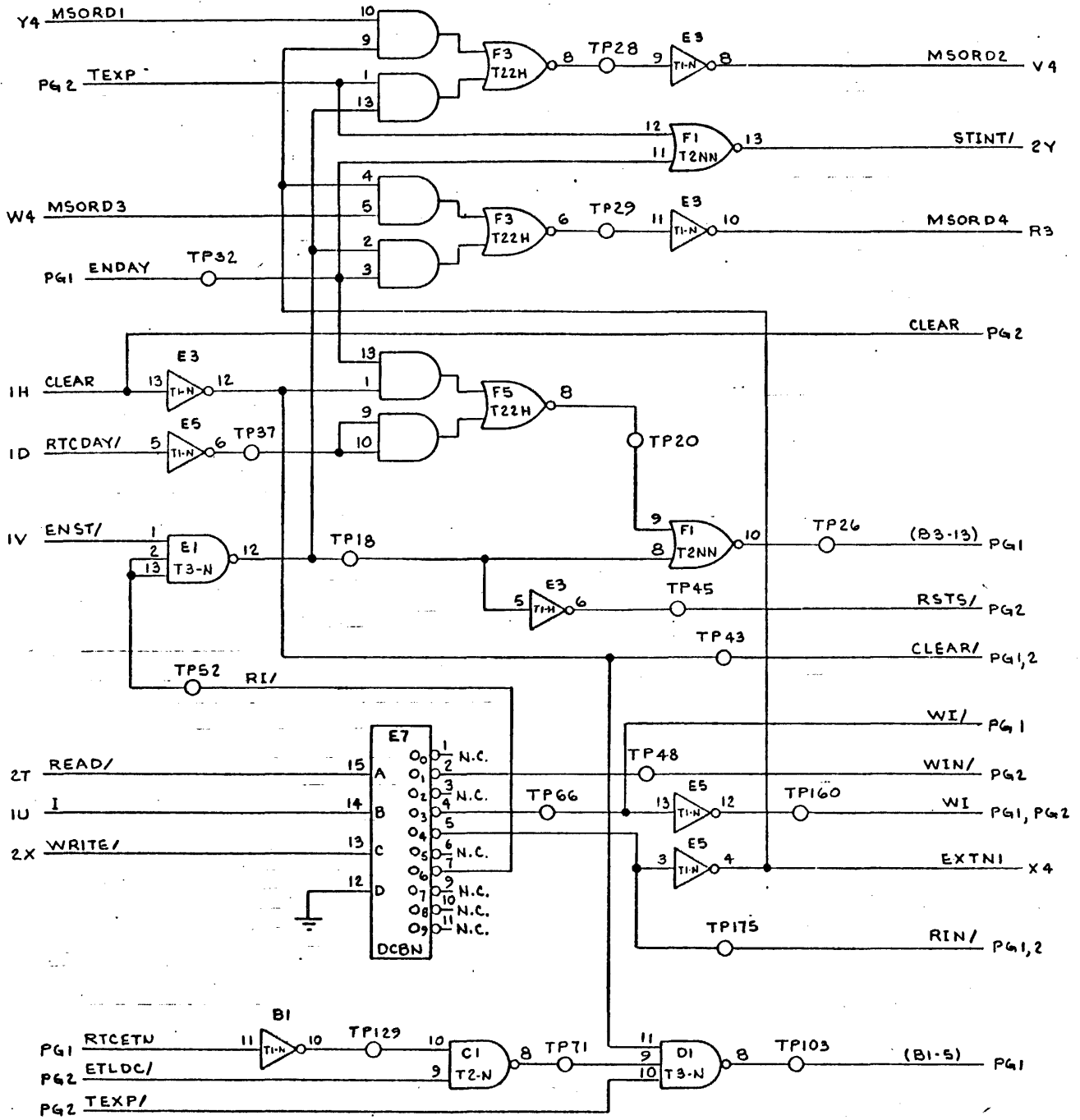
INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

544 5745 Burroughs Corporation COMPUTER SYSTEMS GROUP DOWNINGTOWN, PA 19335 DOWNINGTOWN PLANT U.S. AMERICA PARTS OF BURROUGHS CORP. - NOT TO BE REPRODUCED OR USED FOR MANUFACTURING PURPOSES EXCEPT BY BURROUGHS CORPORATION OR PRIOR WRITTEN CONSENT	REVISIONS: 4 12-10-75 3 12-10-75	TITLE	RTCI		NUMBER	2604 3745		REV.	A
		DRAWN	J. SCHLENNER	DATE	1-17-75	DESIGN OR ENGR.		DATE	4-2-75
		CHECKED	P. M. B. G.	DATE	2-11-75	APPROVED		DATE	4-7-75
						PAGE 2 OF			

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SCHEMATIC

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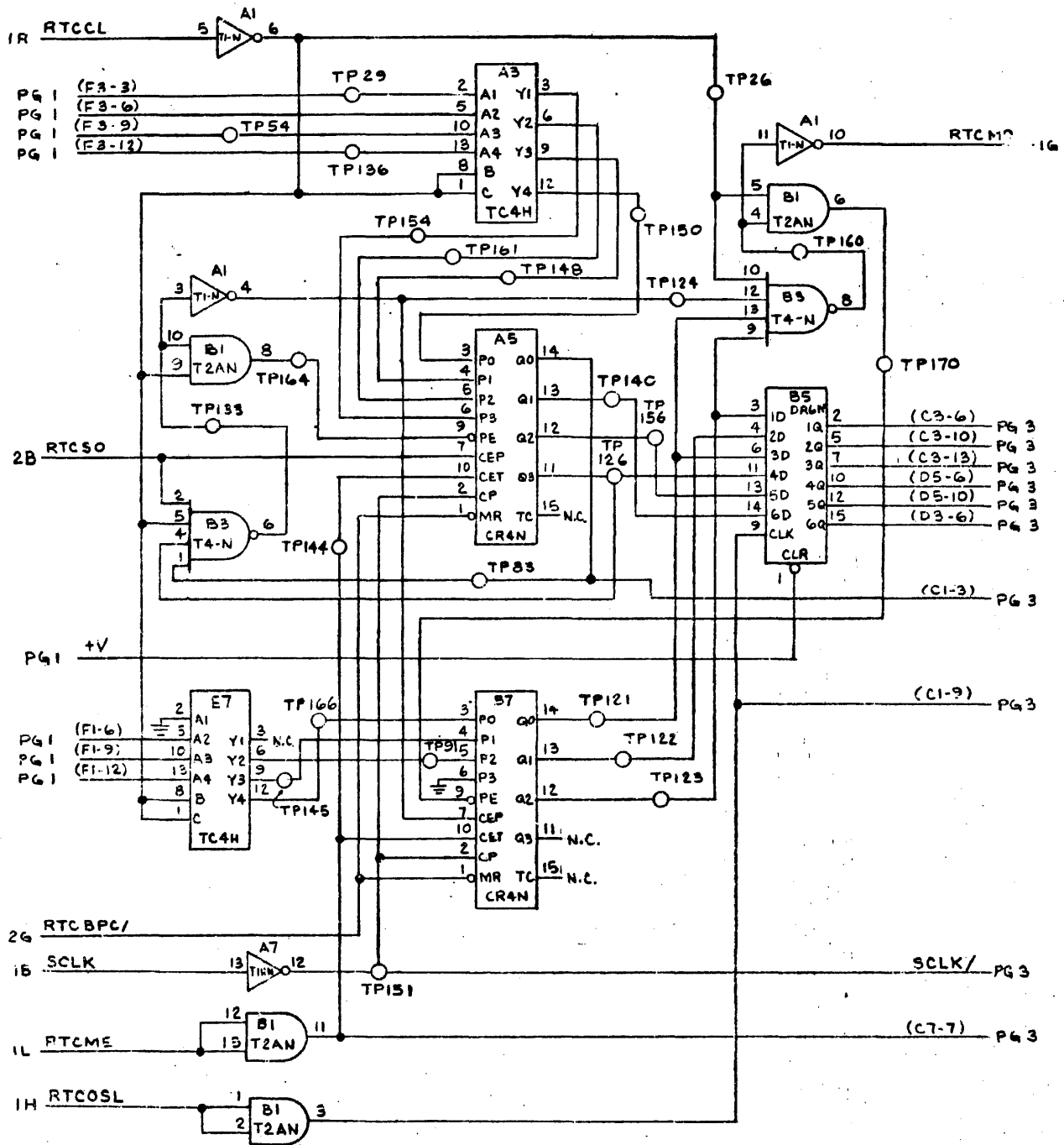


CC2-9520

INPUT	0	1	2	3	4	5	6	7	8	9	OUTPUT								
2604 3745	190 Burroughs Corporation										NUMBER	2604 3745	REV	A					
COMPUTER SYSTEMS GROUP												TITLE		RTC1					
DOWNTOWN PLANT												DRAWN		J. SCHLINGER		DATE		1-17-75	
115 AMERICA												CHECKED		P. G. GARY		DATE		2-11-75	
PROPERTY OF BURROUGHS CORPORATION TO BE RETURNED TO THE SUPPLIER FOR REPAIR OR REWORK WITHOUT WRITTEN CONSENT												DESIGNED BY		E. G. GARY		DATE		4-2-75	
REVISIONS:												APPROVED		DATE		PAGE		3 OF	
A																			

190

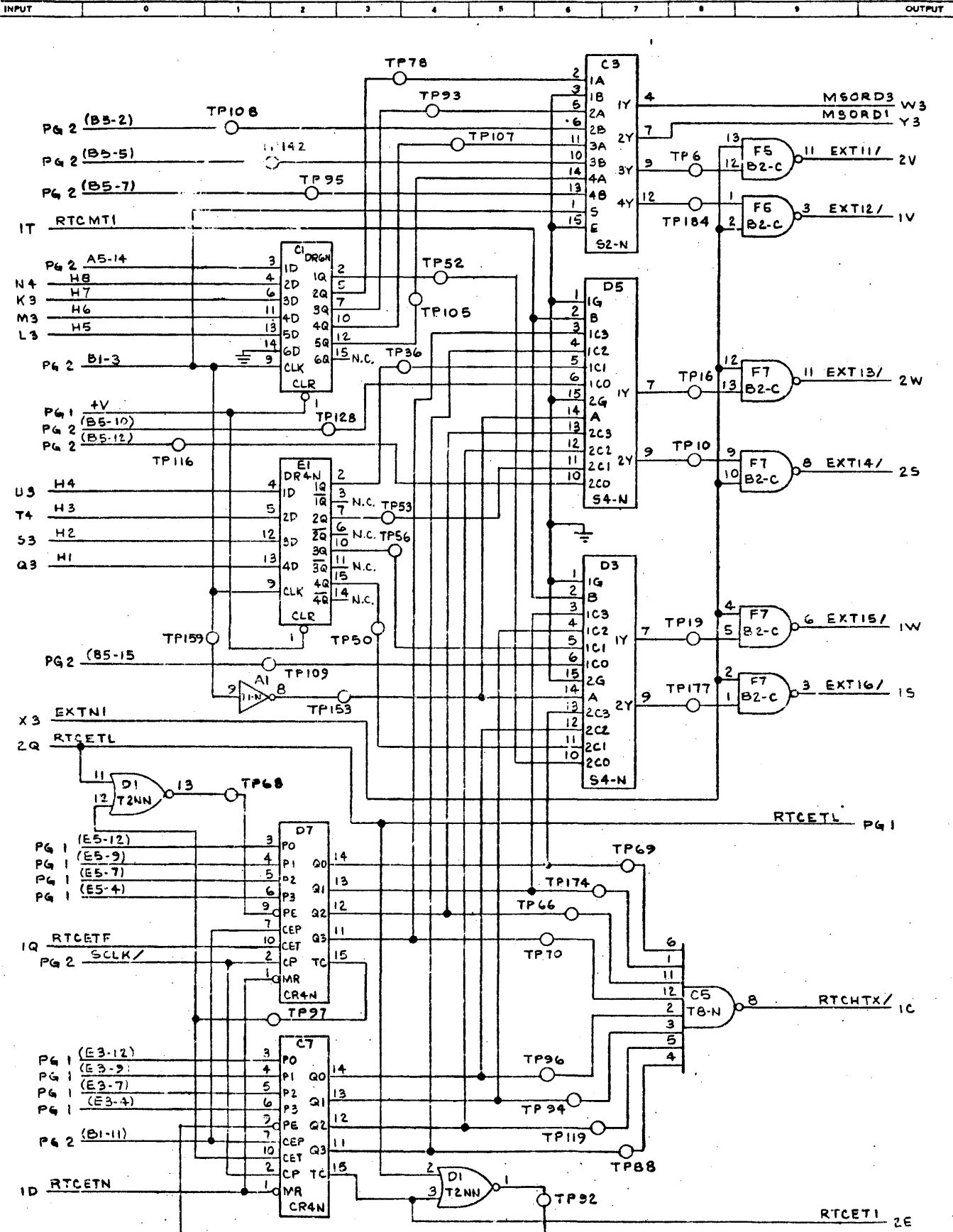
SCHMATIC



CC2-9520

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COMPUTER SYSTEMS GROUP DOWNTOWN PA. 19335		DOWNTOWN/PART U.S. AMERICA		DRAWN J. SCHLENNER, 1-14-74		DATE 4-2-75		APPROVED		PAGE 2 OF	
PROPERTY OF BURROUGHS CORPORATION TO BE REPRODUCED OR USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN CONSENT OF BURROUGHS CORPORATION		REVISIONS: A		CHECKED P. J. Alay, 2-17-75		DATE 4-7-75		DATE		PRINTED IN U.S.A.	

SCHEMATIC

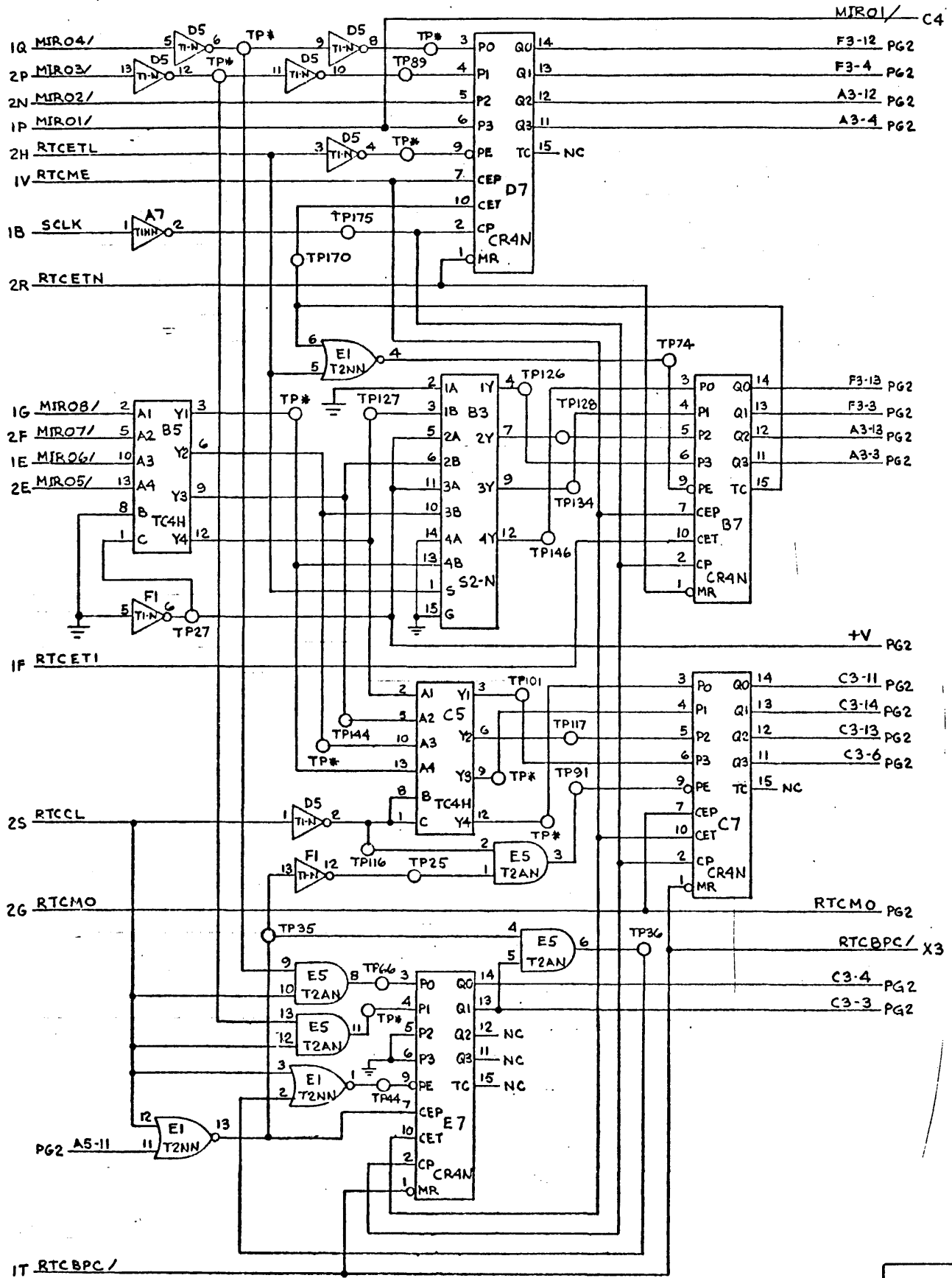


CC2-9520

<p>2604 3778</p> <p>Burroughs Corporation</p> <p>COMPUTER SYSTEMS GROUP DOWNTOWN PLANT DOWNTOWN, PA 19233</p> <p>PROPERTY OF BURROUGHS CORP. NOT TO BE REPRODUCED WITHOUT WRITTEN PERMISSION. FACTURING IN PURSUANCE OF BURROUGHS ORDER OR PRIOR WRITTEN CONSENT.</p>	<p>REVISIONS:</p> <p>REV 1 1-15-76</p> <p>REV 2 2-19-75</p>	<p style="text-align: center;">RTC2</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>DRAWN</th> <th>DATE</th> <th>CHKD OR ENGR</th> <th>DATE</th> </tr> <tr> <td>J. SCHLENNER</td> <td>1-15-76</td> <td></td> <td>4-2-75</td> </tr> <tr> <th>CHECKED</th> <th>DATE</th> <th>APPROVED</th> <th>DATE</th> </tr> <tr> <td><i>[Signature]</i></td> <td>2-19-75</td> <td><i>[Signature]</i></td> <td>4-7-75</td> </tr> </table>	DRAWN	DATE	CHKD OR ENGR	DATE	J. SCHLENNER	1-15-76		4-2-75	CHECKED	DATE	APPROVED	DATE	<i>[Signature]</i>	2-19-75	<i>[Signature]</i>	4-7-75	<p>NUMBER 2604 3778</p> <p>REV A</p> <p>PAGE 3 OF</p>	<p>INPUT</p> <p style="text-align: center;">0 1 2 3 4 5 6 7 8 9</p> <p>OUTPUT</p>
DRAWN	DATE	CHKD OR ENGR	DATE																	
J. SCHLENNER	1-15-76		4-2-75																	
CHECKED	DATE	APPROVED	DATE																	
<i>[Signature]</i>	2-19-75	<i>[Signature]</i>	4-7-75																	

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

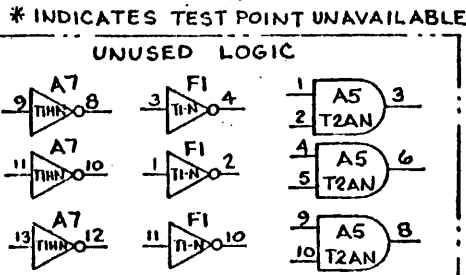
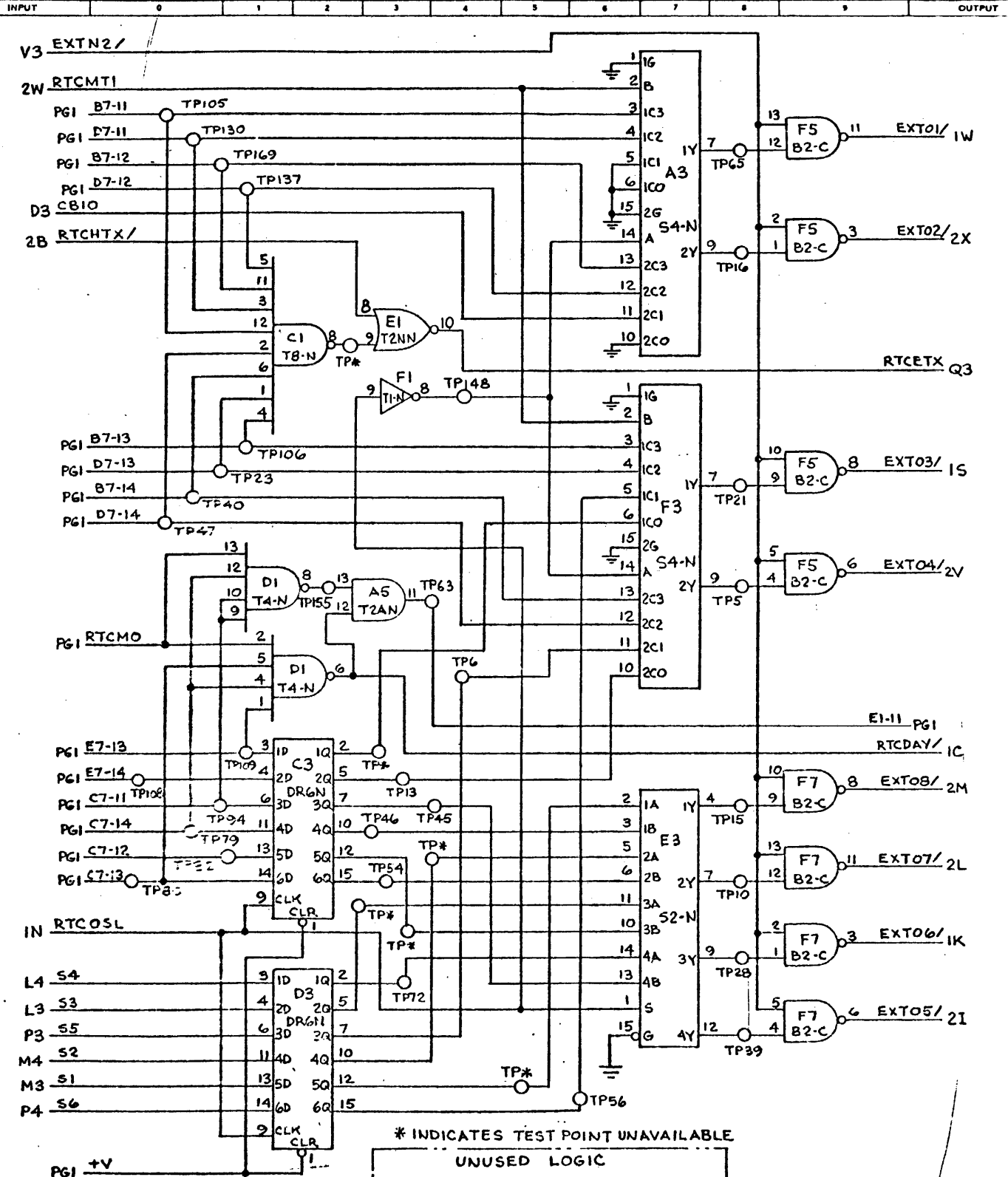
2604 3802
144 Burroughs Corporation
 COMPUTER SYSTEMS GROUP DOWNTOWN PLANT
 DOWNTOWN PLANT PA 19033 U.S. AMERICA

REVISIONS:
 1 REL 3/75
 2 REV 4/75
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TITLE **RTC 3**
 DRAWN DATE DRAWN BY ENGR DATE
 CHECKED DATE APPROVED DATE
 P. J. ALBY 2-5-75 E. H. G. 4-7-75

NUMBER **2604 3802** REV **A**
 PAGE 1 OF 2

SCHEMATIC



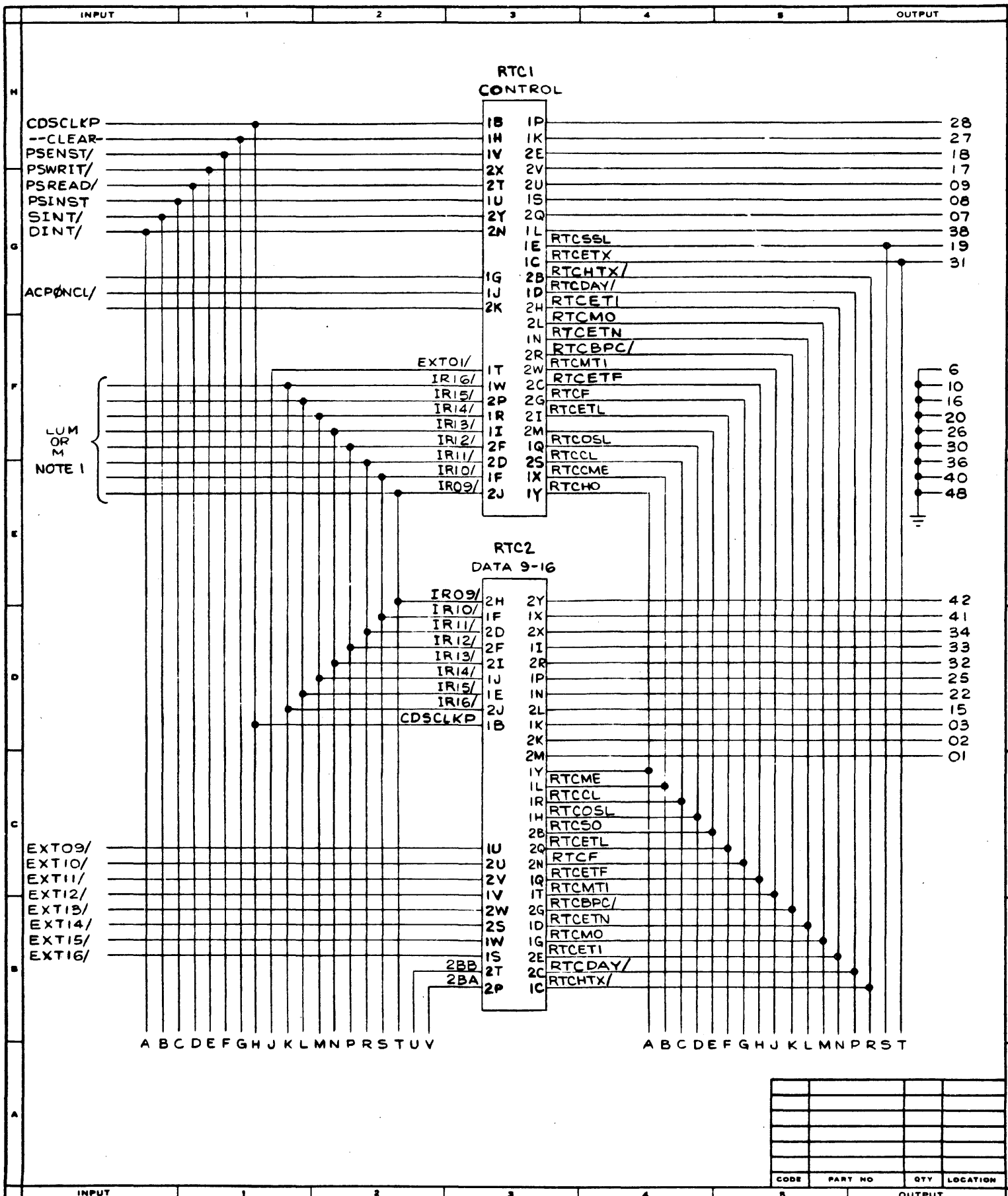
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B2-C	1447 3581	2	DR6N	1443	600	2
T2NN	2600 4911	1	CR4N	1447	571	4
2AN	1447 3524	2	S4-N	1447	374	2
TI-N	1447 3592	2	S2-N	1447	377	2
TI-N	1479 7971	1	T8-N	1447	573	1

CC2-9520

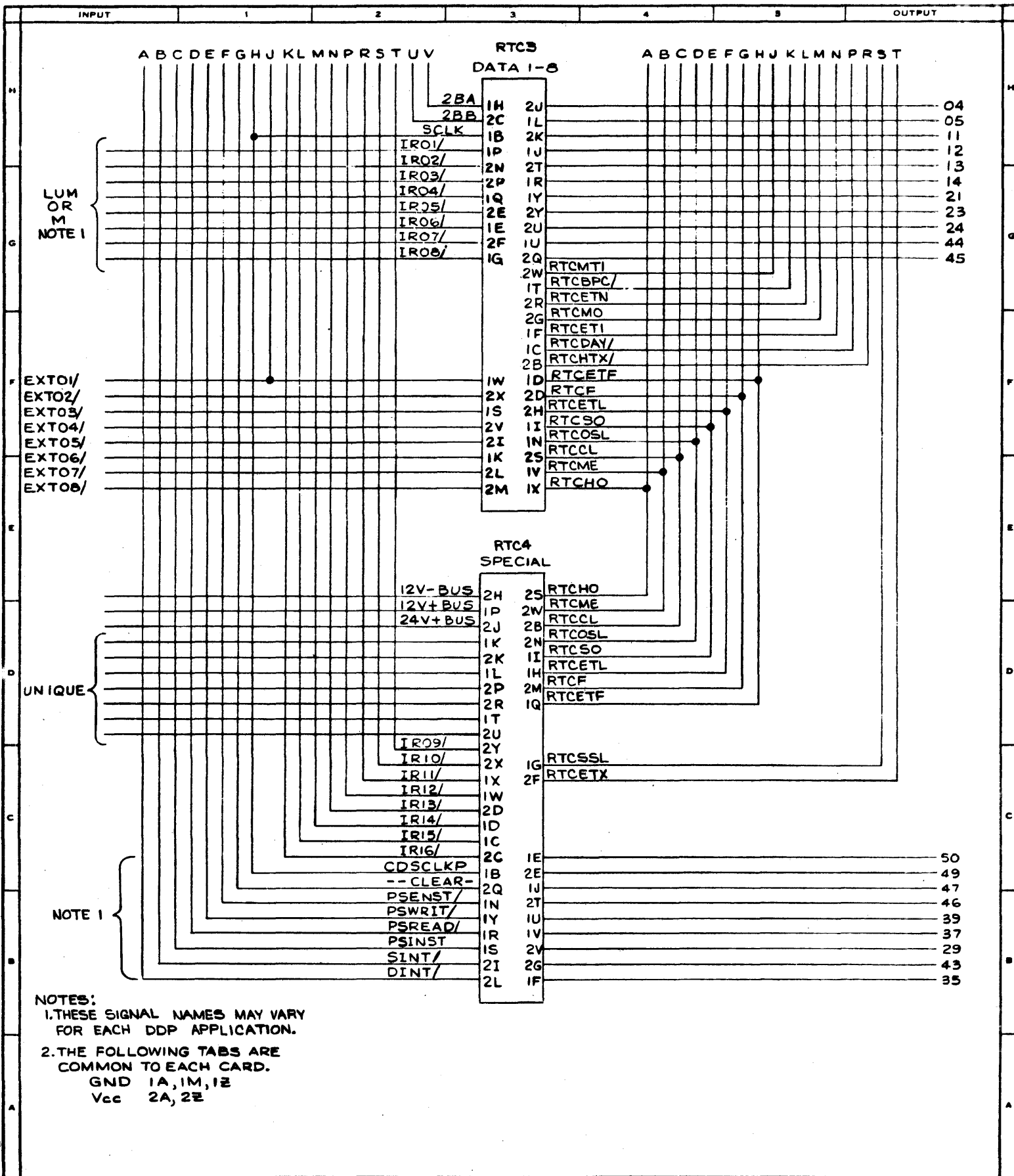
2604-582 REV 1 A	Burroughs Corporation <small>COMPUTER SYSTEMS GROUP DOWNTOWN PLANT DOWNTOWN, PA 15115</small>	RTC 3 <small>DRAWN: C.L. BISCHOFF CHECKED: P.L. [Signature] DATE: 1-21-75</small>	NUMBER 2604 3802	REV A
TITLE RTC 3		DATE 1-21-75	DATE 4-2-75	DATE 4-7-75
PART NO 2604-582		DATE 1-6-75	DATE 4-7-75	DATE 4-7-75

PAGE 2 OF 2

195



INPUT	1	2	3	4	5	OUTPUT	
REV	A	A					
SH	1	2					
REVISIONS	A	ERIOR					
196	Burroughs Corporation		COMPUTER SYSTEMS GROUP		DOWNTOWN PLANT		
	DOWNTOWN PLANT		U.S. AMERICA		U.S. AMERICA		
C. ZUTSKI		1-8-76		TITLE		DDP RTC	
DATE		1-20-76		SHEET		DWG NO.	
APPROVED		DATE		1 of 2		2606 9666	
E. Bonach		3-1-76		PLT NO.		038	
				REV		A	
				CLASS CODE		2-9520	




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

Burroughs Corporation 		REVISIONS	TITLE DDP RTC WIRING DIAGRAM		CLASS CODE 2-9520	
COMPUTER SYSTEMS GROUP DOWNTOWN PLANT DOWNTOWN PA 19338			SHEET DWG NO 2 2606 9666		PLY NO REV 038 A	
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COMPUTER SYSTEMS GROUP

DOWNINGTOWN PLANT

DOWNINGTOWN, PENNSYLVANIA 19335

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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.

005

DWG NO.
2604 3471

SHEET 1 OF 1

REVISIONS
A
REVISIONS PER
E.C. 9-2-REV/04
8-29-75

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			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				43			7		GND	35									
11			P1	43	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									
20										45									
21										46									
22										47									
23										48									
24										49									
25										50									

NOTES:
1. FOR ASSEMBLY SEE 2604 3414

200

DRAWN
P. HICKMAN 2-28-75

CHECKED
D. B. Rowell 3-6-75

DESIGN OR EHGR
DATE

APPROVED
DATE

Burroughs Corporation

COMPUTER SYSTEMS GROUP
DOWNTOWN PA 19335

DOWNTOWN PLANT
U.S. AMERICA

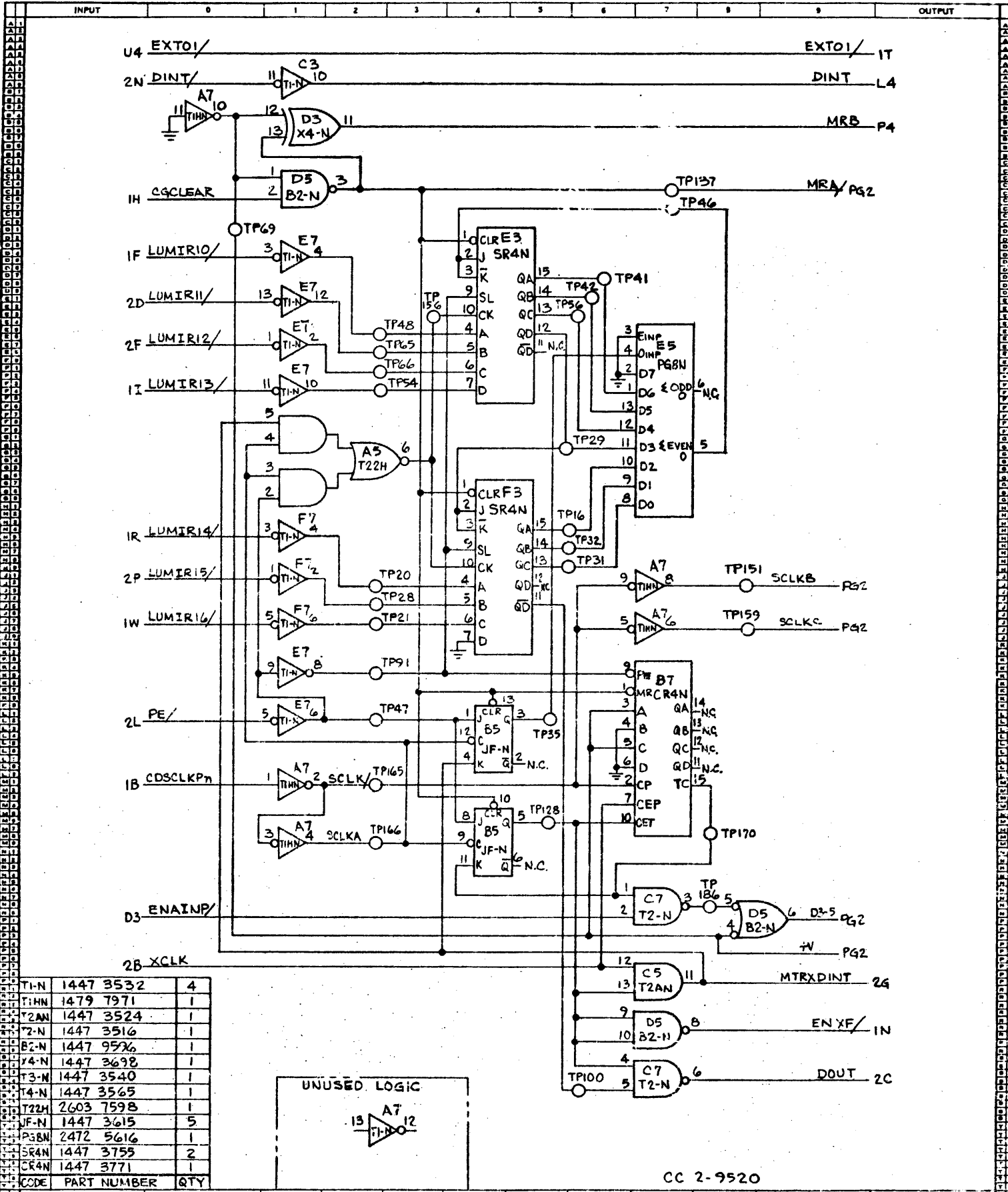
TITLE
WIRE LIST
TC 4201 SFD ADAPTER CABLE

SHEET
1 of 1

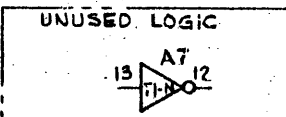
DWG NO.
2604 3471

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

SCHMATIC



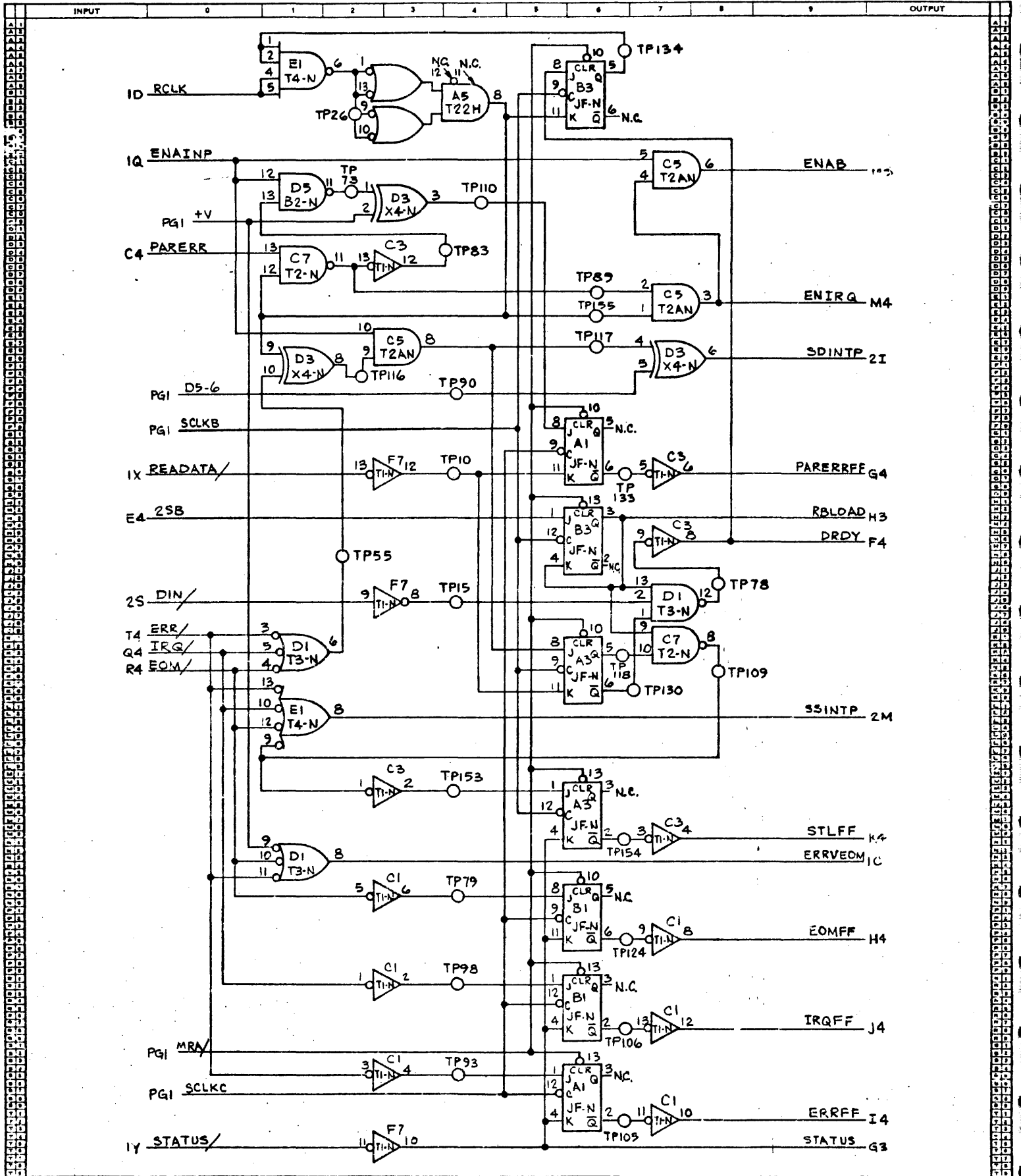
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TIHN	1479 7971	1
T2AN	1447 3524	1
T2-N	1447 3516	1
B2-N	1447 9526	1
T4-N	1447 3698	1
T3-N	1447 3540	1
T4-N	1447 3565	1
T22H	2603 7598	1
JF-N	1447 3615	5
P38N	2472 5616	1
SR4N	1447 3755	2
CR4N	1447 3771	1
CODE	PART NUMBER	QTY



CC 2-9520

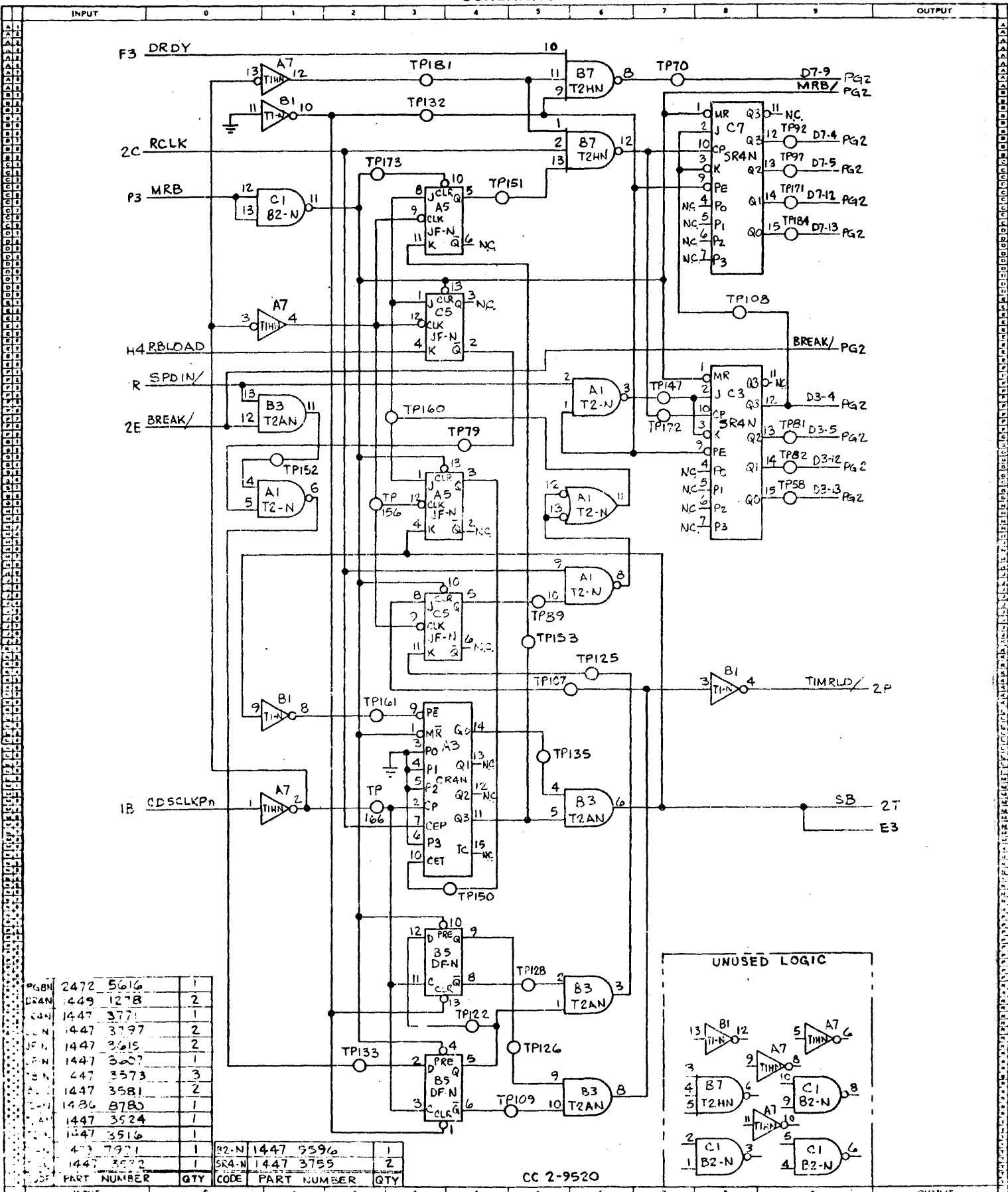
2604 1863 Burrells Corporation COMPUTER SYSTEMS GROUP DOWNTOWN PLANT DOWNTOWN PA 19335 U.S. AMERICA PROPERTY OF BURRELLS CORP. NOT TO BE REPRODUCED WITHOUT WRITTEN PERMISSION. FACTURING PL. APPROVE (CEPT ON BURR) IN ORDER OR PRIOR WRITTEN COMMENT.	TITLE SP1	NUMBER 2604 1863	REV A	
	DRAWN R. S. K... 1-29-75	CHECKED C. L. BECHOFF 2-20-75	DATE 1-29-75	DATE 2-20-75
	APPROVED C. L. BECHOFF	DATE 2-20-75	DATE 2-20-75	DATE 2-20-75
	REVISIONS 1 2	REVISIONS 1 2	REVISIONS 1 2	REVISIONS 1 2

SCHMATIC



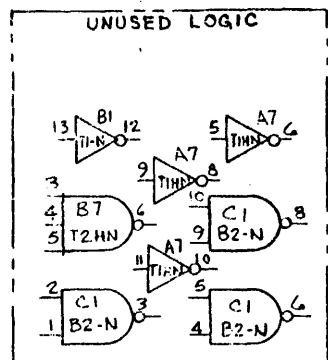
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<p>REVISIONS: 4 RELEASED: 12-27-75 BY: C.L. BISHOPHOFF</p>											
<p>TITLE: SPI</p>						<p>NUMBER: 2604 1863</p>		<p>REV: A</p>		<p>DATE: 12-27-75</p>	
<p>DESIGNED BY: C.L. BISHOPHOFF</p>						<p>APPROVED: C.L. BISHOPHOFF</p>		<p>DATE: 2-20-76</p>		<p>FORM: E-257-75</p>	
<p>PAGE 2 OF 2</p>											

SCHEMATIC



PG8H	2472	5616	1
DRAN	1449	1278	2
24N	1447	3771	1
LN	1447	3797	2
JFN	1447	3615	2
FN	1447	3607	1
SN	447	3573	3
LN	1447	3581	2
LN	1486	8780	1
LN	1447	3524	1
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LN	1447	3522	1
LN	1447	3522	1

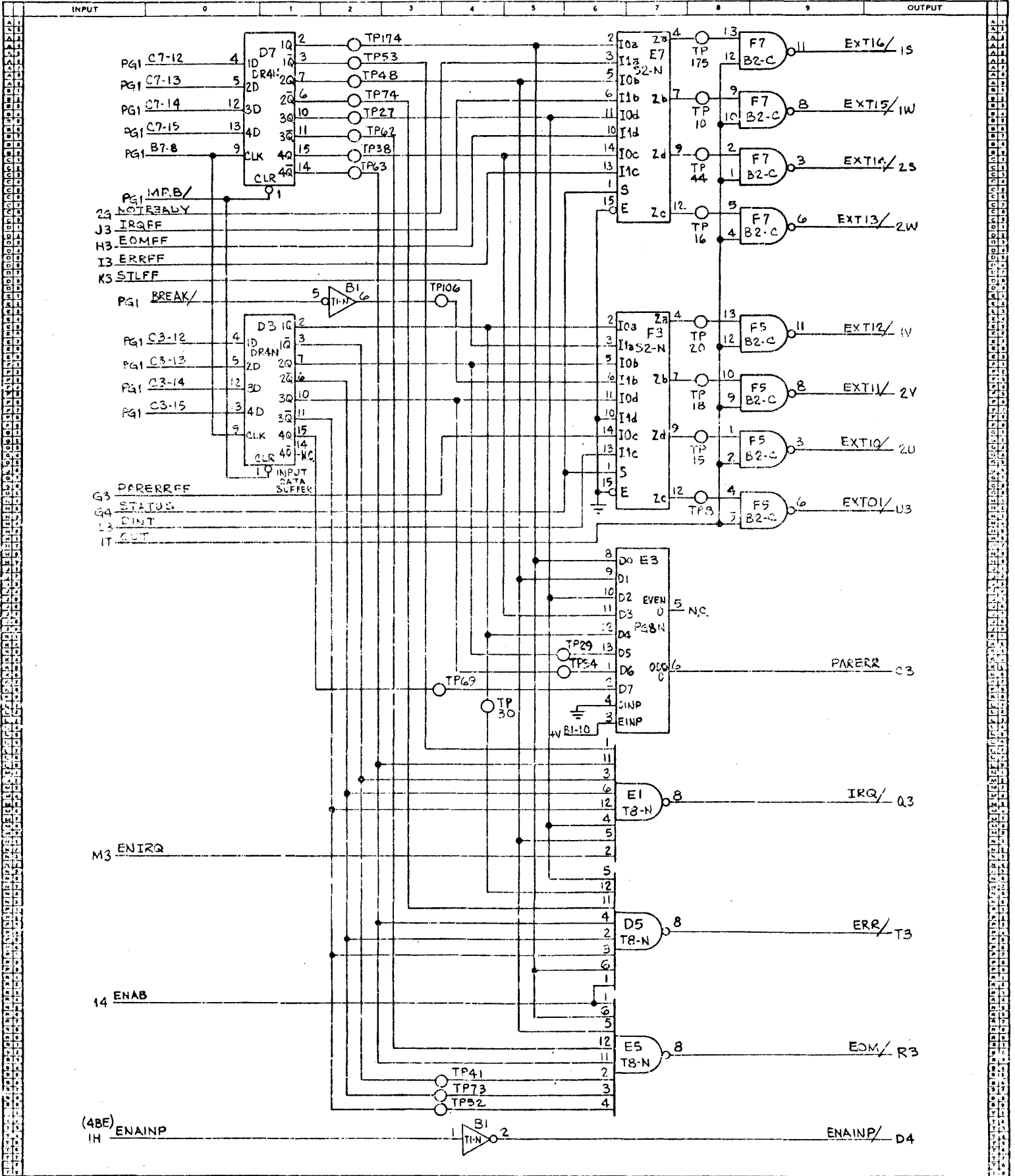
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SR4-N	1447	3755	2



CC 2-9520

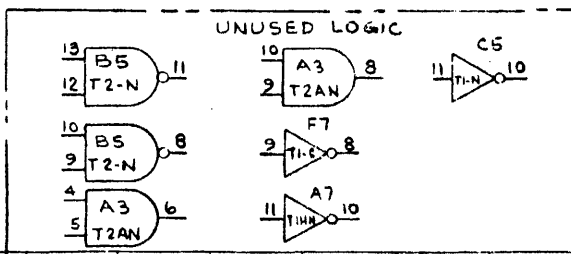
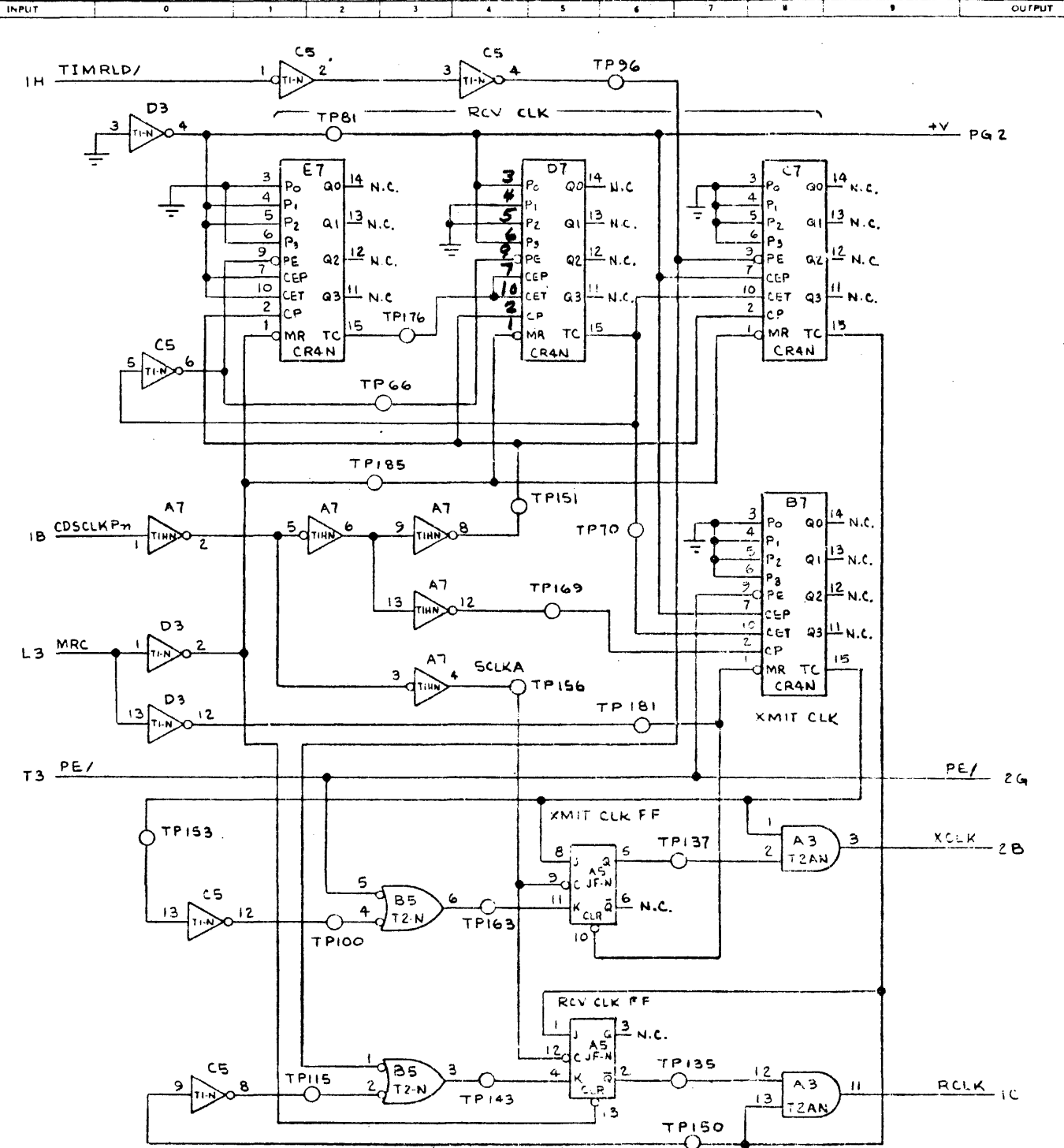
Burroughs Corporation		DOWNINGTOWN PLANT U.S. AMERICA		TITLE SP2		NUMBER 2604 1897		REV B	
PART NUMBER		QTY		CODE		PART NUMBER		QTY	
INPUT		C		1		2		OUTPUT	
DATE 12-20-64		DESIGNED BY 12-20-64		CHECKED BY 12-20-64		APPROVED 12-20-64		DATE 12-20-64	
PG 1		REV A/B		PAGE 1		OF 2		PRINTED IN U.S.A.	

SCHMATIC



INPUT	0	1	2	3	4	5	6	7	8	9	OUTPUT
204 Burroughs Corporation											
COMPUTER SYSTEMS GROUP											
DOWNTOWN PLANT											
CONCORD, MASSACHUSETTS											
DATE	12-27-70	DESIGN ENGR	DATE	2604 1897	REV.	A					
DATE	1-15-75	APPROVES	DATE	2-20-75	PAGE	2					

SCHMATIC



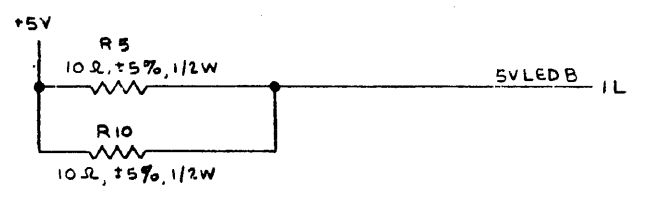
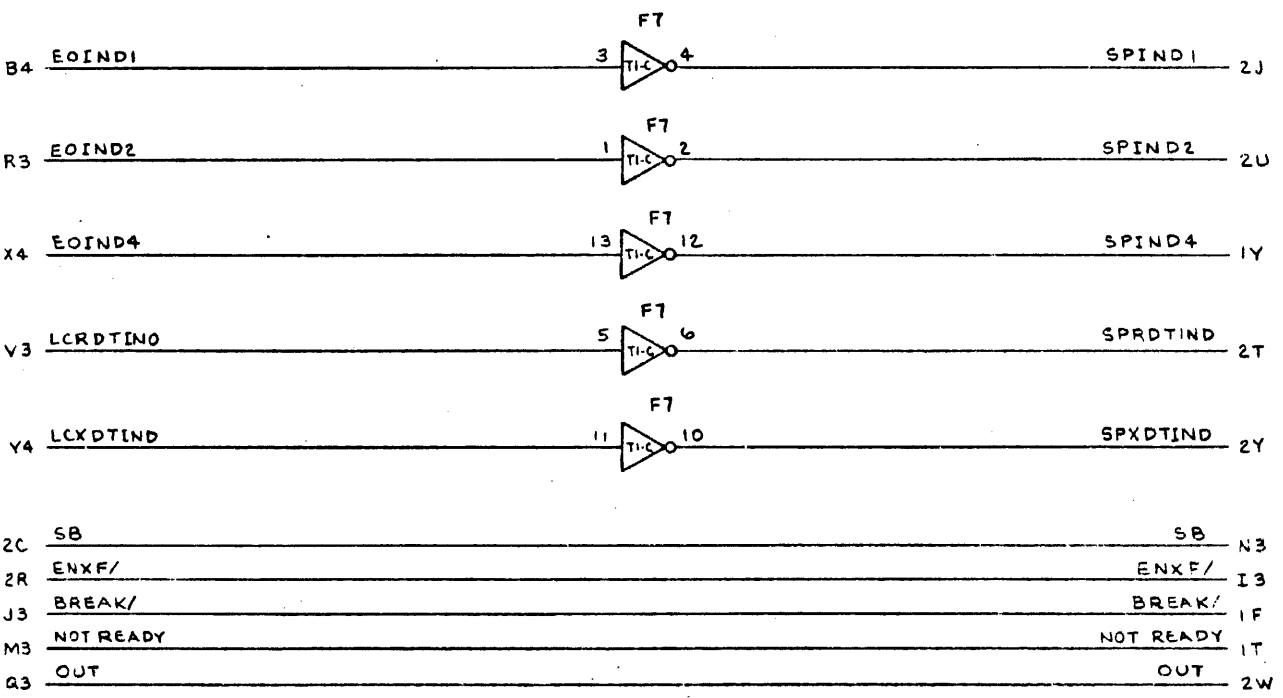
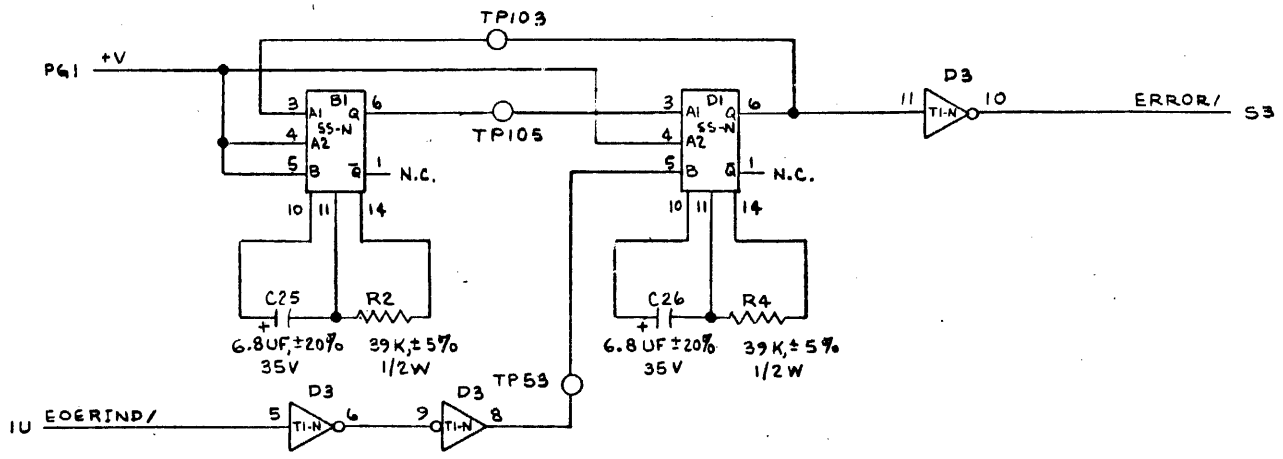
CR4N	447 3771	4
SS-N	447 3706	2
JP-N	447 3615	1
T2AN	447 3524	1
T2-N	447 3516	1
TIHN	479 7971	1
TI-C	1674 4963	1
TI-N	447 3532	2
CODE	PART NO.	QTY

CC 2-9520

Burroughs Corporation COMPUTER SYSTEMS GROUP DOWNINGTOWN, PA 19128		DOWNTOWN PLANT U.S. AMERICA		SP3 DRAWN: SCHENNER 1-25-74 CHECKED: CL BROWN 1-25-74 DATE: 1-25-74		NUMBER: 2604 1921 DATE: 1-25-74 APPROVED: [Signature] DATE: 1-25-74		PAGE 1 OF 2	
172 150 100		REVISIONS: 4		21 P. NO. 815 REV		205		PRINTED IN U.S.A.	

SCHEMATIC

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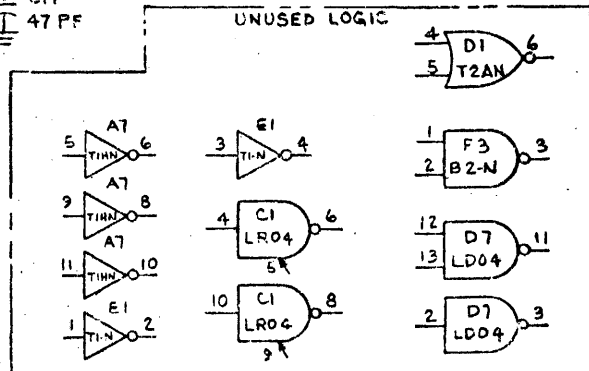
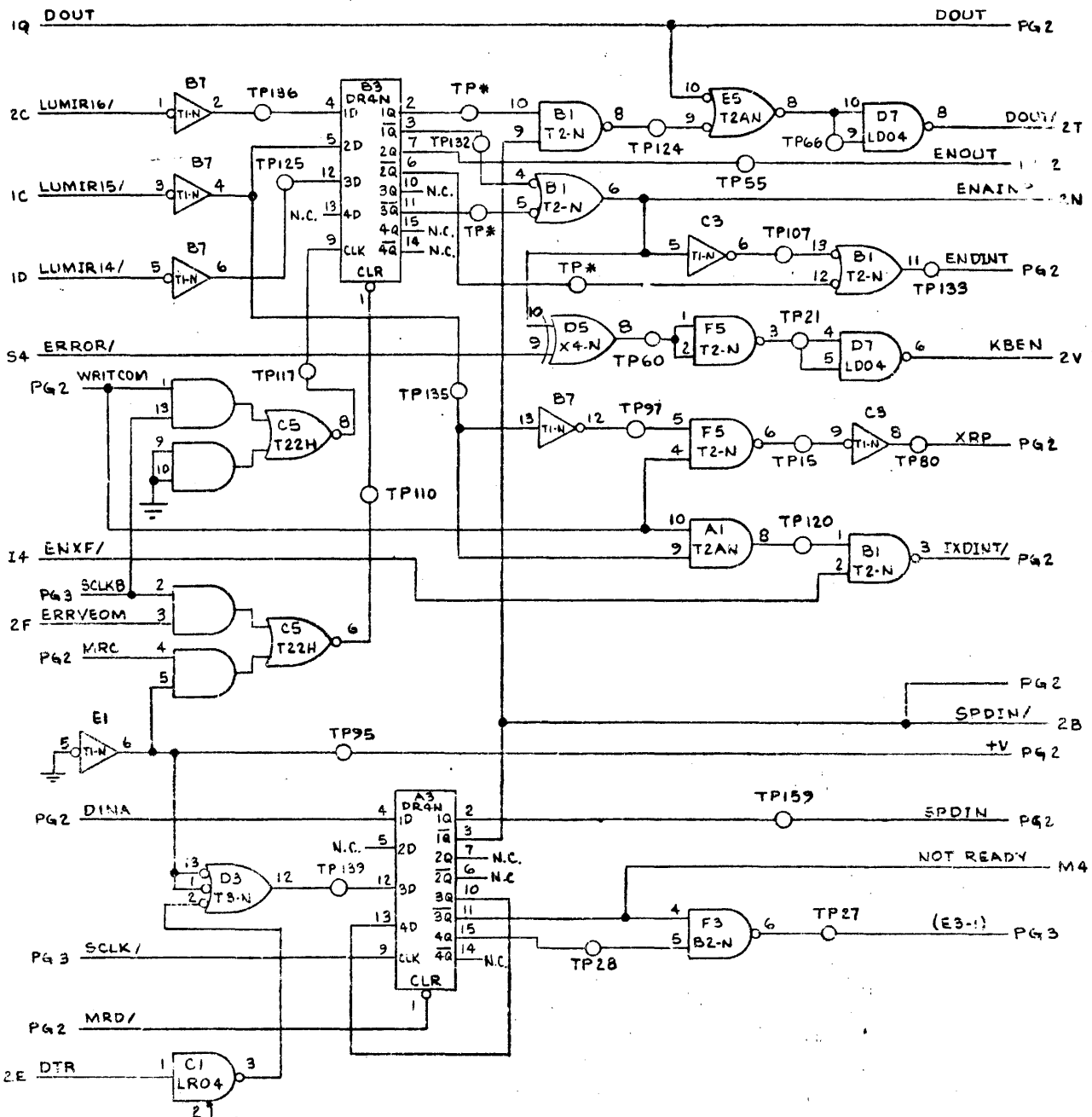


CC2-9520

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	COMPUTER SYSTEMS GROUP		DOWNTOWN PLANT		US AMERICA		US AMERICA		DRAWN		DATE		PAGE		OF	
	PROPERTY OF BURROUGHS CORP. NOT TO BE REPRODUCED OR COPIED FOR OTHER FACTURING PURPOSES WITHOUT BURROUGHS ORDER OR PRIOR WRITTEN CONSENT		REVISIONS		DATE		ORGN OR ENGR		DATE		DATE		PAGE		OF	

SCHEMATIC

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

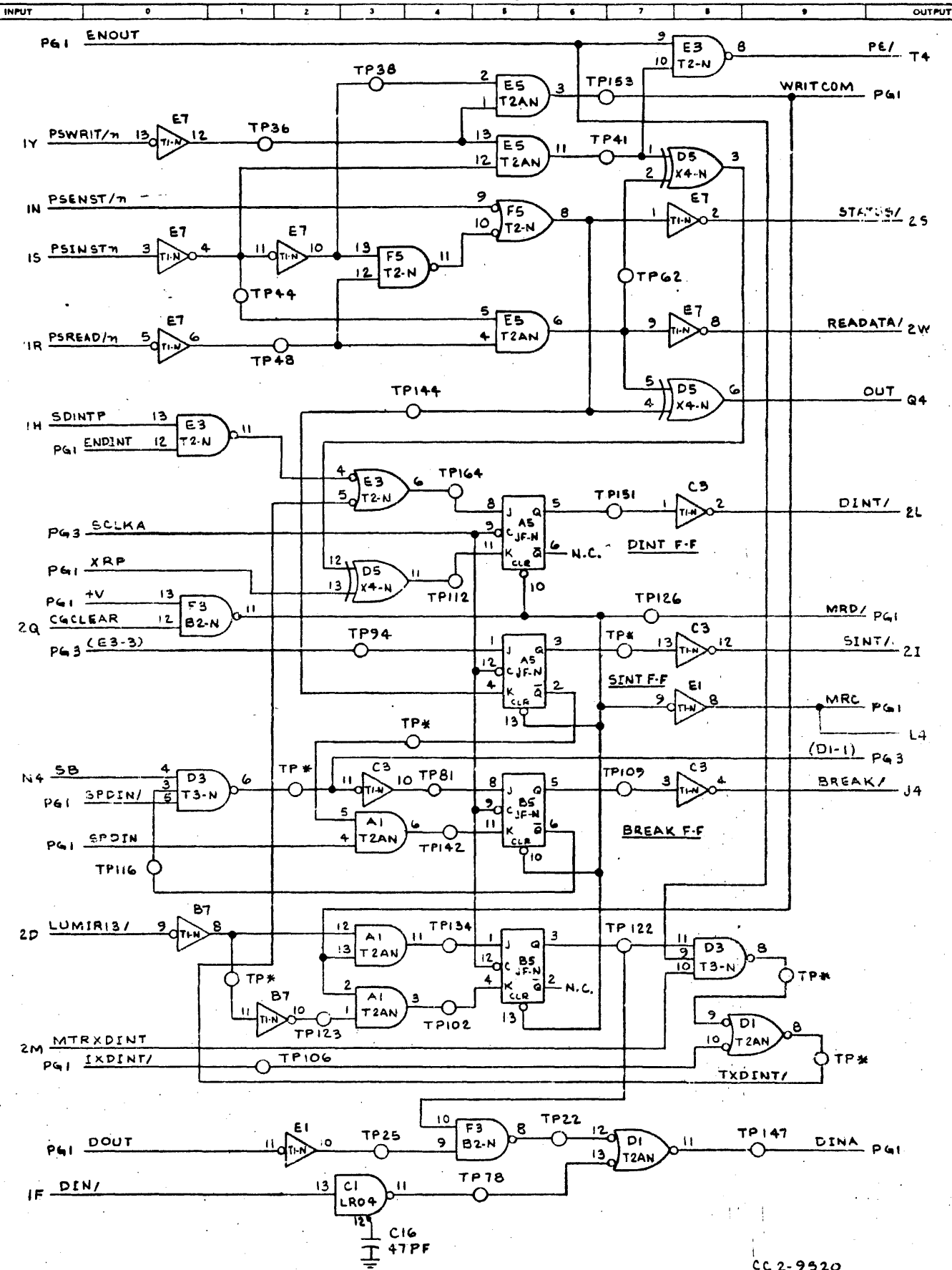


DR4N	1449	1278	2
T2LH	2603	7598	1
LRO4	2470	7044	1
LDO4	1534	9616	1
JF-N	1447	3615	2
T3-N	1447	3540	1
X4-N	1447	3698	1
B2-N	1447	9596	1
T2AN	1447	3524	3
T2-N	1447	3516	3
TI-N	1447	3532	4
TI-N	1479	7971	1
CODE	PART N ^o .	QTY	

CC 2-9520

561 4072 DATE	Burroughs Corporation CONSUMER SYSTEMS GROUP DOWNINGTOWN PLANT DOWNINGTOWN, PA. 19333 U.S. AMERICA	TITLE SP4 DRAWN DATE J. SCHLENNER 11-25-74 CHECKED DATE C. BRONOFF 12-12-74	NUMBER REC. 2604 1354 A
PROPERTY OF BURROUGHS - NOT TO BE REPRODUCED OR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT		REVISIONS: 1. 11-25-74 2. 12-12-74 3. 1-10-75	APPROVED DATE [Signature] 1-25-75
		PAGE 1 OF 3	PRINTED IN U.S.A.

SCHMATIC

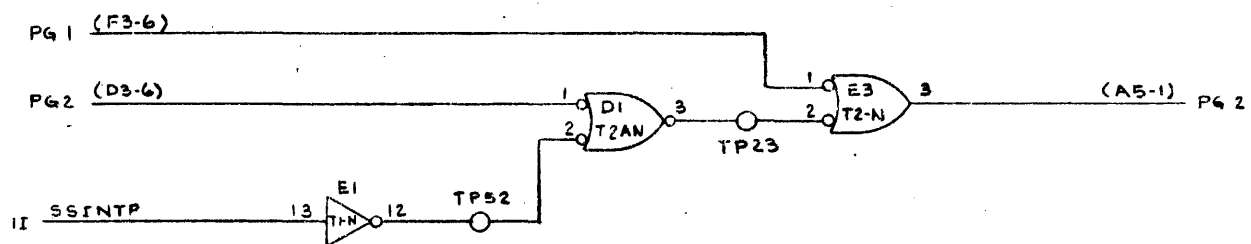
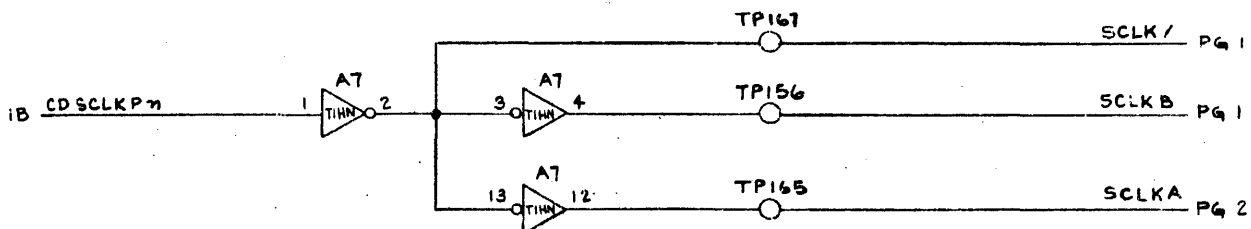


CC 2-9520

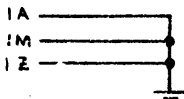
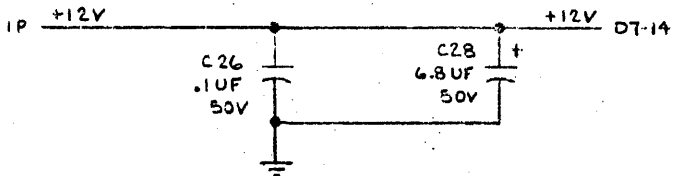
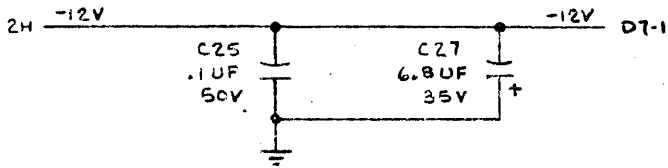
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PROPERTY OF BURROUGHS CORP. NOT TO BE REPRODUCED OR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN COMMENT			REVISIONS: A RELEASED E634		DRAWN J. SCHLIMMER, 11-25-74		DESIGN OR ENGR.		DATE		2 OF
					CHECKED C.L.B.:C.H.-FF		DATE 12-17-74		APPROVED E. G. S. JALLA		DATE F-25-75

SCHEMATIC

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

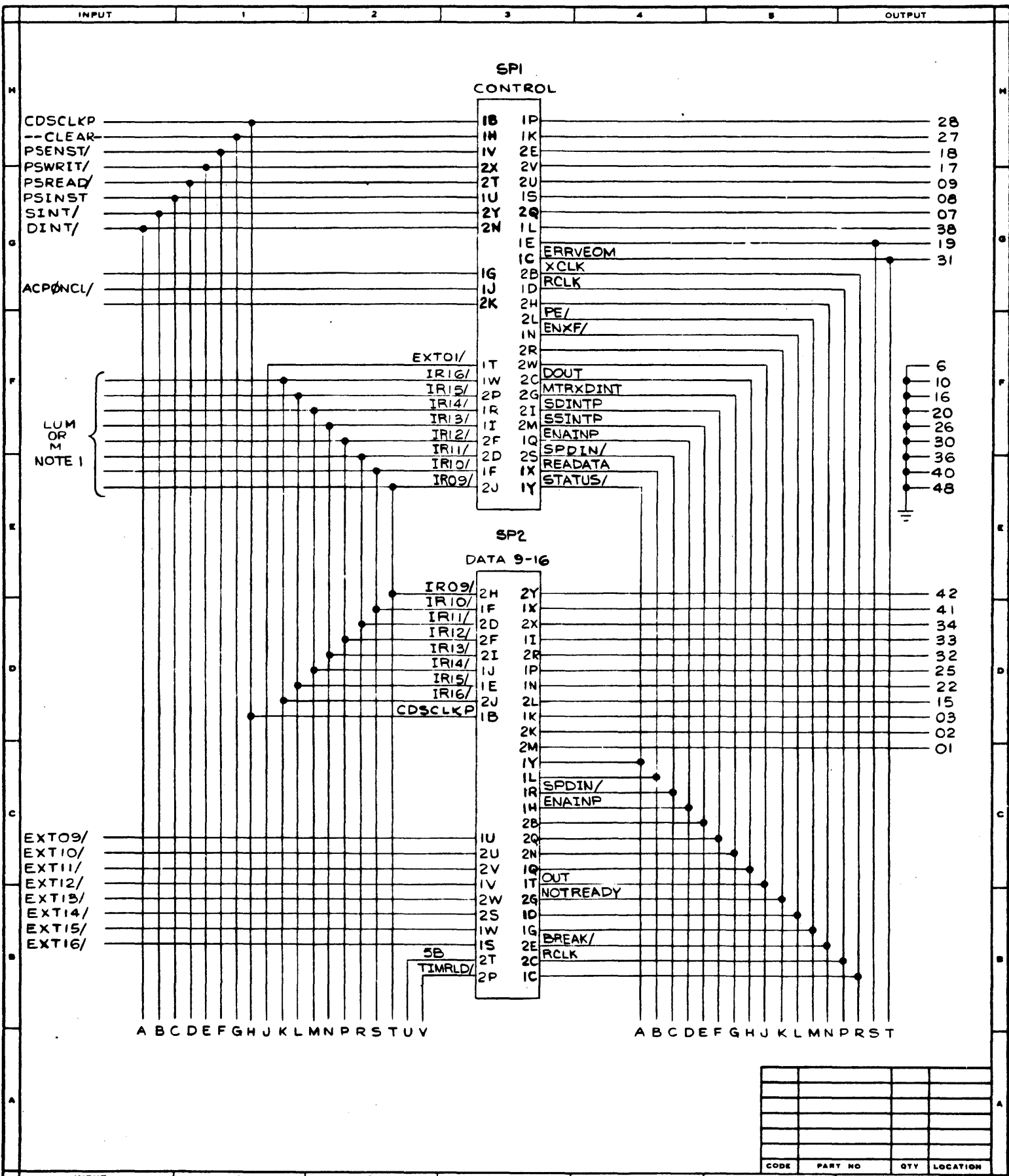


1E	EOIND1	EOIND1	B3
2G	EOIND2	EOIND2	R4
1J	EOIND4	EOIND4	X3
1U	LCRDTIND	LCRDTIND	V4
1V	LCXDT:ND	LCXDTIND	Y3

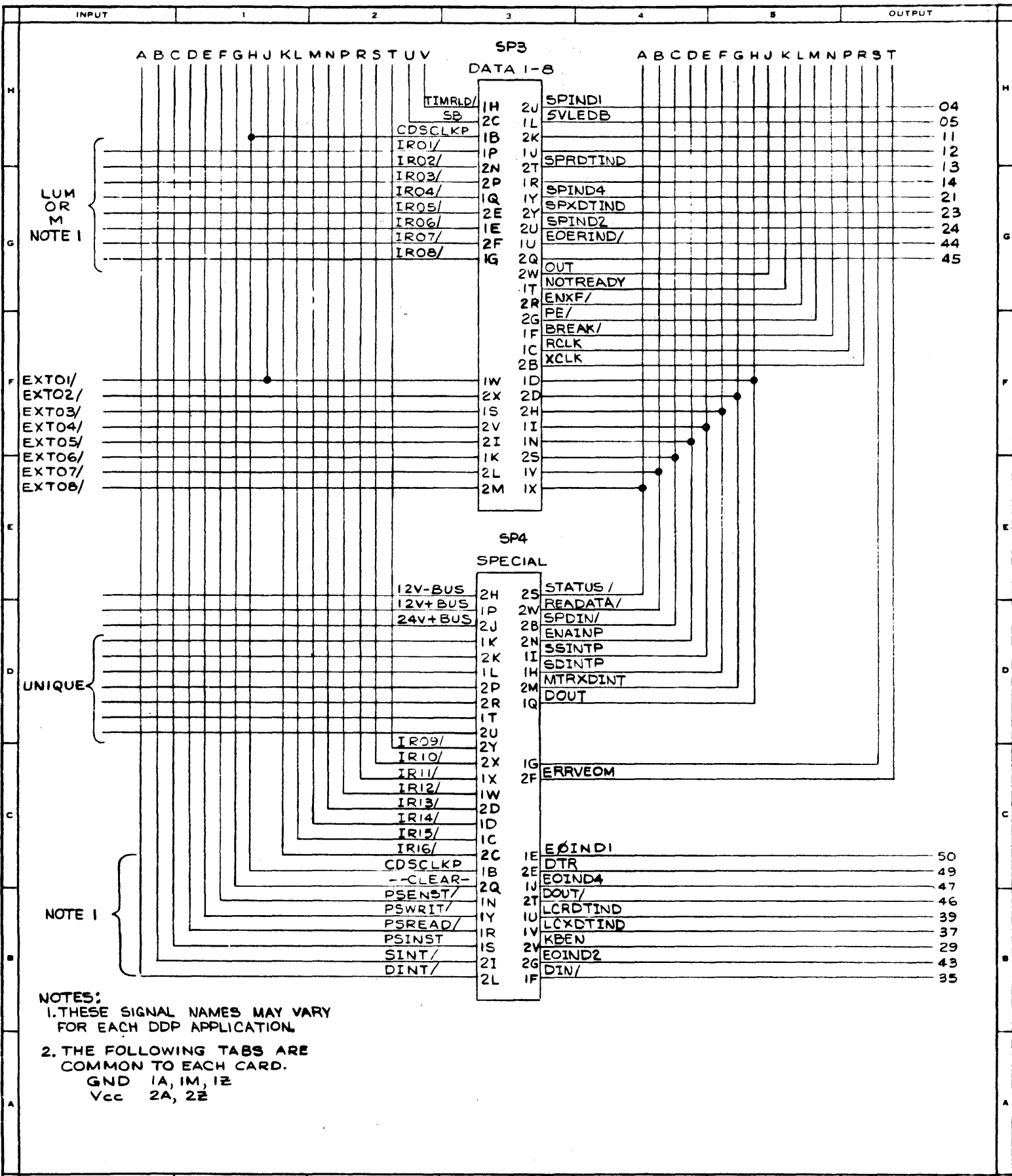


CC2-9520

245-4 1954 Burroughs Corporation COMPUTER SYSTEMS GROUP DOWNTOWN PLANT DOWNTOWN PA 19335 U.S. AMERICA <small>PROPERTY OF BURROUGHS CORP. MUST BE REPRODUCED AND USED FOR MANUFACTURING PURPOSES EXCEPT BY BURROUGHS ORDER OF PRIOR WRITTEN CONSENT</small>	REVISIONS: REV. NO. 1 DATE 11-25-74 BY [Signature]	TITLE SP4 ENGINEER DATE DESIGNED BY DATE CHECKED BY DATE APPROVED DATE BY [Signature]	NUMBER 2604 1954 A 3	INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT
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INPUT	1	2	3	4	5	OUTPUT
REV	A	A				
SH	1	2				
REVISIONS	A	REPLACES	REV			
ERR						
310	Burroughs Corporation		COMPUTER SYSTEMS GROUP		DOWNTOWN PLANT U.S. AMERICA	
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			DRAWN: C.ZUTSKI DATE: 1-7-76 CHECKED: [Signature] DATE: 1-20-76 DESIGNED: [Signature] DATE: 3-1-76	TITLE: DDP SP WIRING DIAGRAM SHEET: 1 of 2 DWG NO: 2606 9674	CLASS CODE: 2-9520 PLT NO: 038 REV: A	



Burroughs Corporation



COMPUTER SYSTEMS GROUP

DOWNINGTOWN PLANT

DOWNINGTOWN, PENNSYLVANIA 19335

PROPRIETARY TO B. BROUGH'S
CORP. NOT TO BE REPRODUCED NOR
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PURPOSES EXCEPT ON BURROUGHS
ORDER OR PRIOR WRITTEN
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 EK # 9-2-REV03
 ECN#363 GRD.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			SIZE	COLOR	PART REF DES	TERMINAL	TYPE OF TERMINATION	PART REF DES	TERMINAL	TYPE OF TERMINATION	
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	LOCØTIND
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	LOCØTIND	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	LOCØTIND	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	LOCØRIND	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
 DESIGN ENGR 4/4/75
 APPROVED 4/4/75

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

TITLE WIRE LIST
 CABLE ASSY SPO

SHEET 1 OF 1 DWG NO. 2605 0179

CCZ-9520
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212

DWG NO. 2608 5381
 SHEET 1 OF 1
 RELEASED
 A REL 6 R #10569

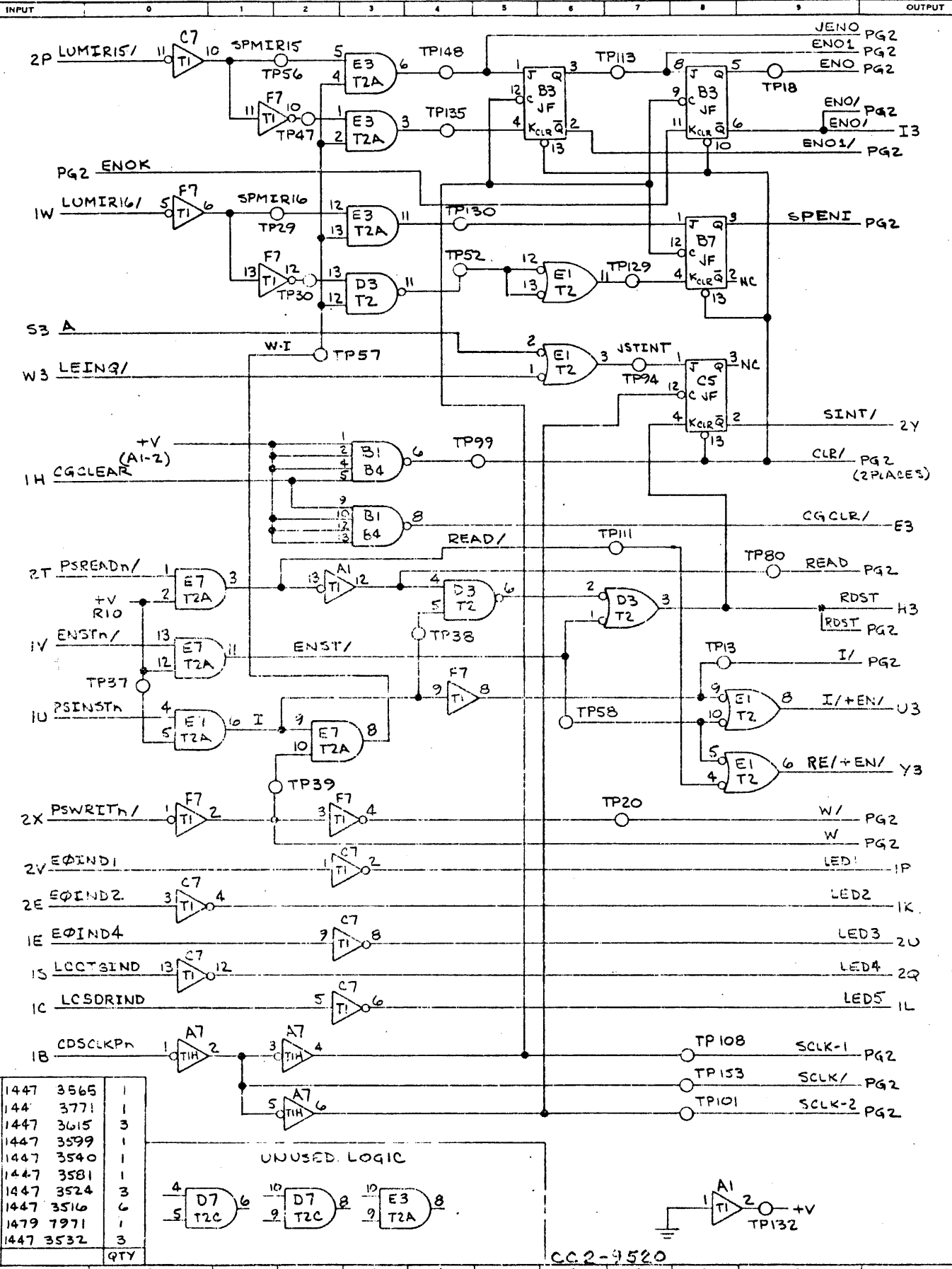
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2		WHEN		18			22		IRQNO5	27											
3		WHIG		15			25		EOMNOS	28											
4		WHOR		10			32		EOMNCS	29											
5		WHYL		21			34		ERRNCS	30											
6		WHEN		17			37		ENILRTN	31											
7		WHBL		22			39		ENIL	32											
8		WHVF		14			42		ERRNCS	33											
9		WHGF		5			46		IDLRTN	34											
10		WHVF		3			47		IDLS	35											
11		WHDF		1			48		GROUND	36											
12		WHDF		16			49		ODLRTN	37											
13		WHDF	P2	13	1101 6342	P1	50	1472 0726	ODLS	38											
14		WHDF							SPARE	39											
15		WHDF								40											
16		WHDF								41											
17		WHDF								42											
18		WHDF								43											
19		WHDF								44											
20		WHDF								45											
21		WHDF								46											
22		WHDF								47											
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24		WHDF								49											
25	24	WHDF							SPARE	50											

NOTES:
 2/3

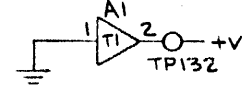
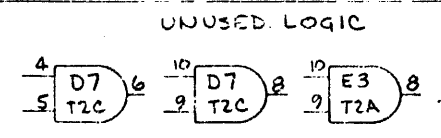
DRAWN H. B. ... 5-20-76
 CHECKED D. B. ... 6-1-76
 DSGN OR ENGR ...
 APPROVED ...

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

SCHEMATIC



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

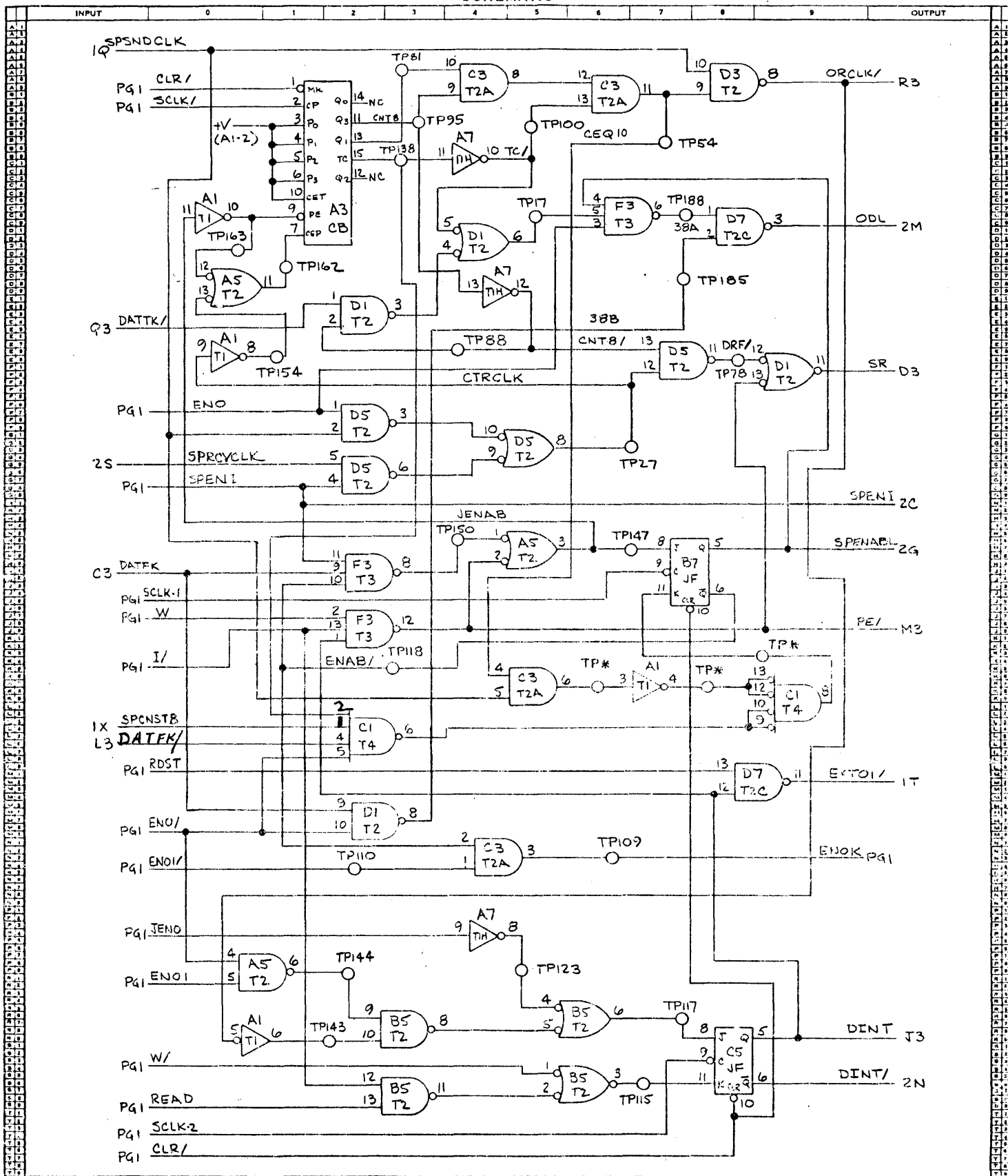
Burroughs Corporation
 MAGNETIC SYSTEMS PLANT DOWNTOWN PA 19319
 PROPERTY OF BURROUGHS CORP - NOT TO BE REPRODUCED OR COPIED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT

TITLE SP01 SYSTEM B770
 DRAWN BY JEFFER 3/1/73 CHECKED J. INCH 3-4-73 PAGE 1 OF 2
 APPROVED BY A. HAN 3-1-73 RELEASED 3-22-73
 DWG. NO. 1449 2474
 REV. LETTER D PBOEON4576

DID REV
 2/1/73

PRINTED IN U.S.A.
 214 3/2/73 4/16-73

SCHMATIC



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

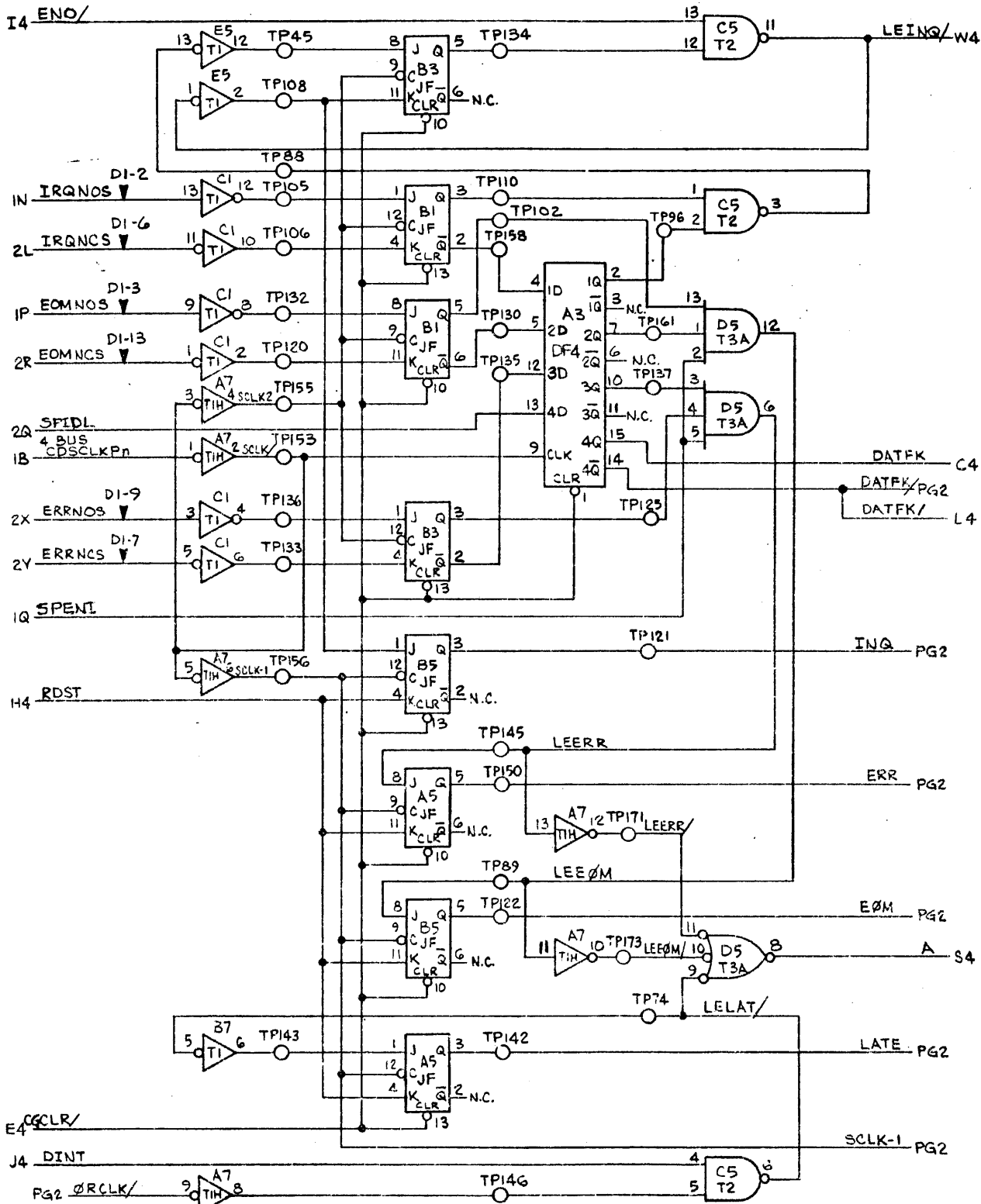
Burroughs Corporation
 MAGNETIC SYSTEMS PLANT 3 DOWNINGTOWN PA 19338

TITLE SP01
 SYSTEM B770
 DRAWN R.WEAVER 12/31/73 CHECKED J. INCH 3-14-73 PAGE 2 OF 2
 APPROVED: [Signature] RELEASED 9-22-75

DWG. NO. 1449 2474
 REV. LETTER D APR. 1974

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.

T1	1447 3532	4	DF4	1449 1278	1
T1H	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

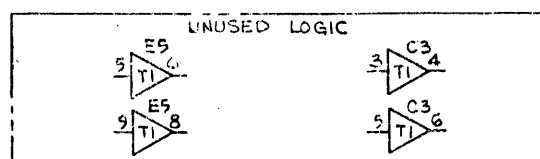
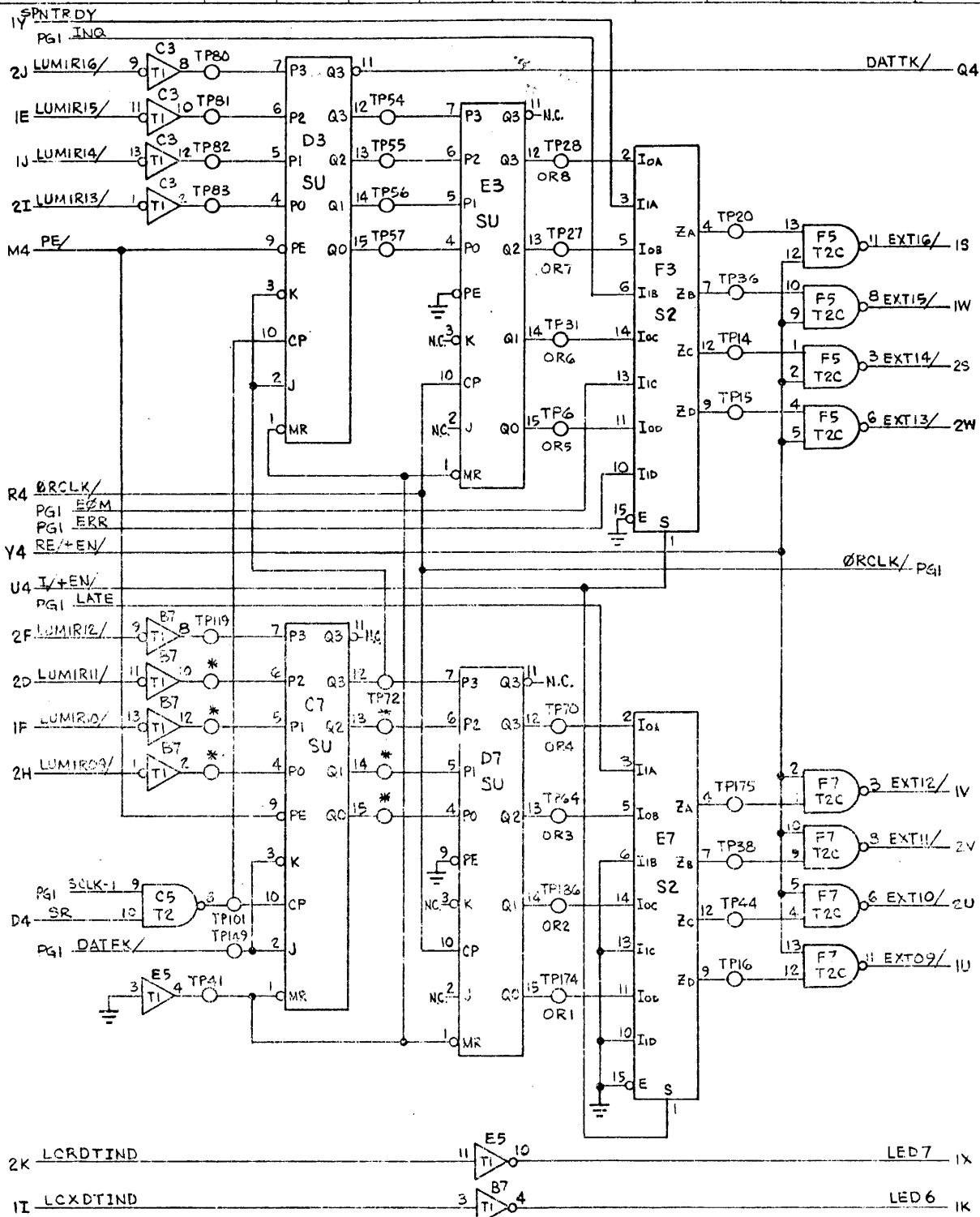
CC2-9520 SH

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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

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

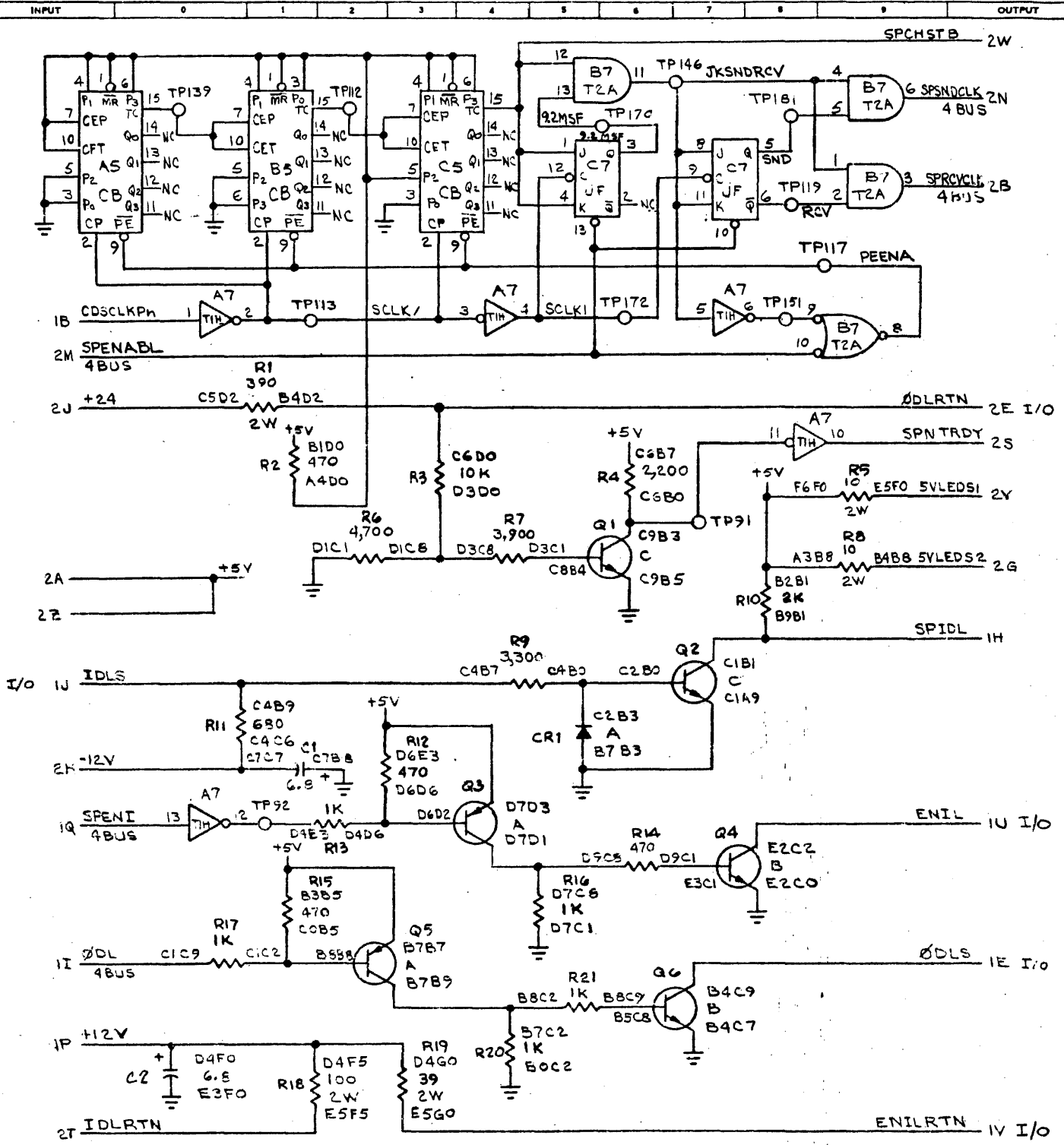


SH

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

Burroughs Corporation
 MAGNETIC SYSTEMS PLANT DOWNTOWN, PA 19338
 TITLE SPO2 SYSTEM 3770
 DRAWN [Signature] 4/1/73 CHECKED [Signature]
 APPROVED [Signature] 8-22-73
 DWG. NO. 1449 2508
 PAGE 2
 REV. LETTER B PER EGN
 2091

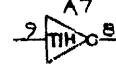
SCHMATIC



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

UNUSED LOGIC



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

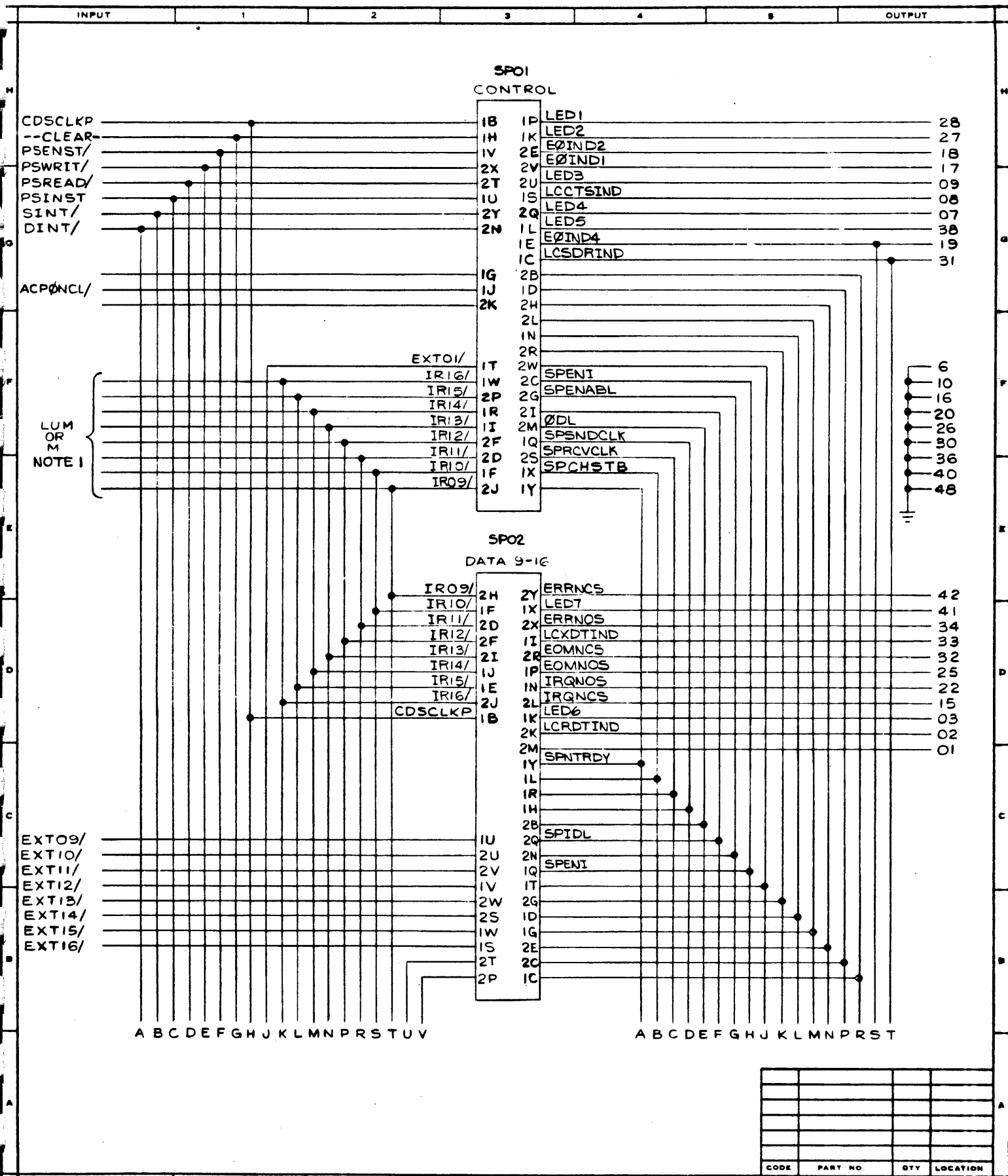
002-9520

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TITLE SFO 4
 SYSTEM B770
 DRAWN J. DOERZ 2, MAN'G CHECKED *W. Almy* 3/2/70
 APPROVED *J. C. ...* 2/13/70 RELEASED

DWG. NO. 1449 2532
 PAGE
 REV. LETTER B P&R
 ECN 4576



Burroughs Corporation

COMPUTER SYSTEMS GROUP
DOWNTOWN, PA. 19333

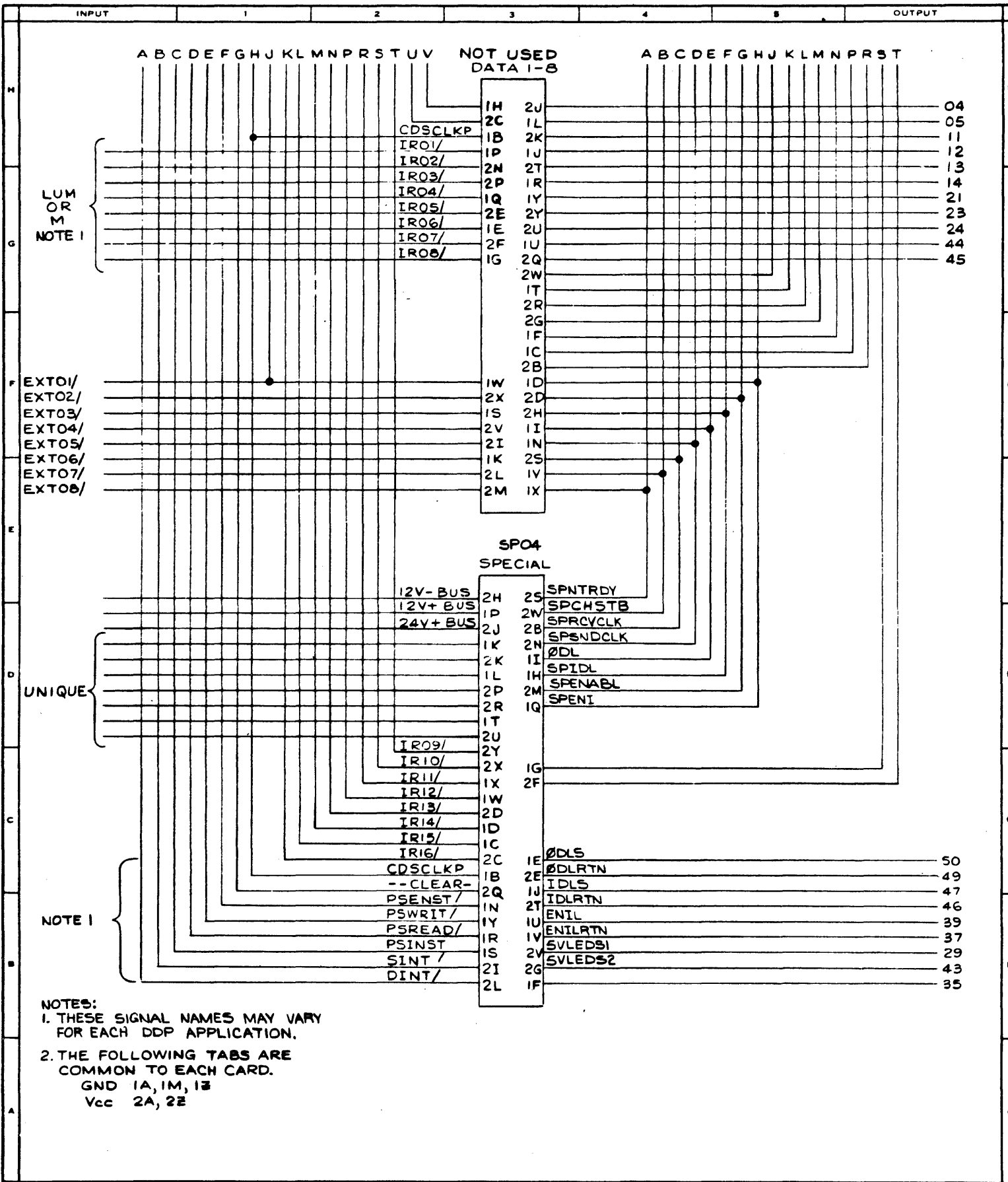
DOWNTOWN PLANT
U.S. AMERICA

REV A A
BH 1 2

219

DATE 1-8-76
DRAWN CZUTSKI
CHECKED 219
DATE 1-20-76
DATE 3-1-76
DATE 3-1-76

TITLE DDP SPO WIRING DIAGRAM
CLASS CODE 2-9520
SHEET 1 OF 2
DWG NO. 2606 9682
PLT NO. 038
REV A



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

DOWNINGTOWN PLANT

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
H. Caswell

APPROVED BY

B. Dinerman
B. Dinerman

9-9-75

9-9-75

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 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.

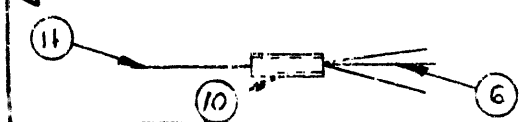
4. I/O CABLE INSTALLATION INSTRUCTIONS

- (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
 A RELEASED PER ER-95 420-14
 B ESN 2420 24 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	SCCP	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		CH2
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		CH4	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		CH3	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		CH1
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		PSOBL	46				40(4)	1472 0767		60		GRD
22				20(3)	---		11		GRD	47				8	1472 0726		66		SCKGB
23				25	1472 0726		107		CH2	48				40(4)	---		62		GRD
24				20(3)	---		102		GRD	49				2	1472 0726		74		STEP
25	24	GRAY	P1	35	1472 0726	P2	4	1100 7303	SRUN	50	24	GRAY	P1	40(4)	---	P2	78	1100 7303	GRD

NOTES:
 1. (3), (4) INDICATES NUMBER OF WIRES CONNECTED TO SAME PIN.
 2. USE ITEMS 10 & 11 TO SPLICE GRD WIRES.



DRAWN DATE
 H. RUKHANS 4-8-74
 CHECKED DATE
 F. H. K... 4-13-74
 DESGN OR ENGR DATE
 H. BURROWS 4-18-74
 APPROVED DATE
 C. H. ... 4-18-74

Burroughs Corporation
 SMALL SYSTEMS PLANT
 DOWNTOWN, PA. 19338, U.S.A.
 TITLE WIRE LIST
 ADAPTER CABLE - SORTER READER
 SHEET 2 OF 3
 DWG NO 2601 6592


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855

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

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

TITLE WIRE LIST
 ADAPTER CABLE - SORTER READER

SHEET 3 OF 3 DWG NO 2601 6592

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228

DWG NO. 2606 5185

SHEET 1 OF 2

RELEASED PER ER 7/28/84

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	P1	50	1472 0726	P2	54	1100 7903	SCCP	26	24	GRAY	P1	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		STLP		
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(2)	—		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(4)	—		11		GND	47				8	1472 0726		66		SCKGB		
23				25	1472 0726		107		CHB4	48				40(4)	—		62		GND		
24	↓	↓	↓	20(1)	—	↓	102	↓	GND	49	↓	↓	↓	2	1472 0726	↓	74	↓	STBP		
25	24	GRAY	P1	35	1472 0726	P2	4	1100 7903	SRUN	50	24	GRAY	P1	40(4)	—	P2	73	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.



DRAWN	DATE
R.T. GOLDMAN	10-14-75
CHECKED	DATE
R.H. GOLDMAN	2-2-77
DESIGNED/ENGR	DATE
APPROVED	DATE
	11/1/77

Burroughs Corporation

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

TITLE	WIRE LIST	CLASS CODE
ADAPTER CABLE - SOFTEK READER		2-9520
SHEET	DWG NO.	PLT NO.
1 OF 2	2606 5185	038

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229

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	24	GRAY	P1	3	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		SPEED	34									
10				48(4)	—		28		GND	35									
11				24	1472 0726		23		BCT1	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									
20										45									
21										46									
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24										49									
25										50									

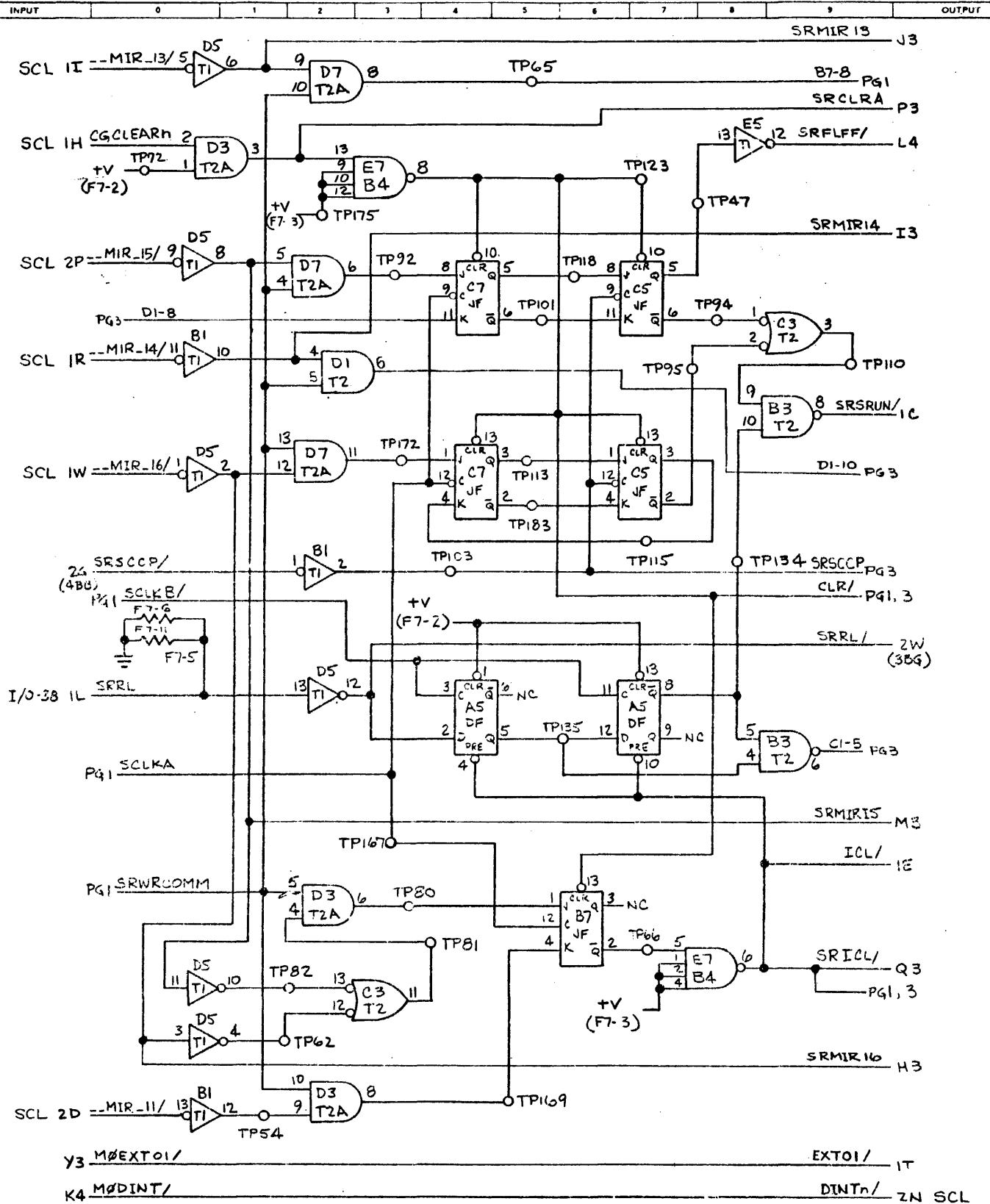
NOTES:

230

DRAWN R.T.G. GORMAN	DATE 10-14-75	Burroughs Corporation  COMPUTER SYSTEMS GROUP DOWNINGTOWN PLANT DOWNINGTOWN, PA 19335 U.S. AMERICA
CHECKED P. HECHEMAN	DATE 2-3-75	
DSGNOR ENGR	DATE	
APPROVED	DATE	
TITLE ADAPTER CABLE - SORTER READER		CLASS CODE 2-9520
SHEET 2 OF 2	DWG NO. 2606 5185	PLT NO. 038

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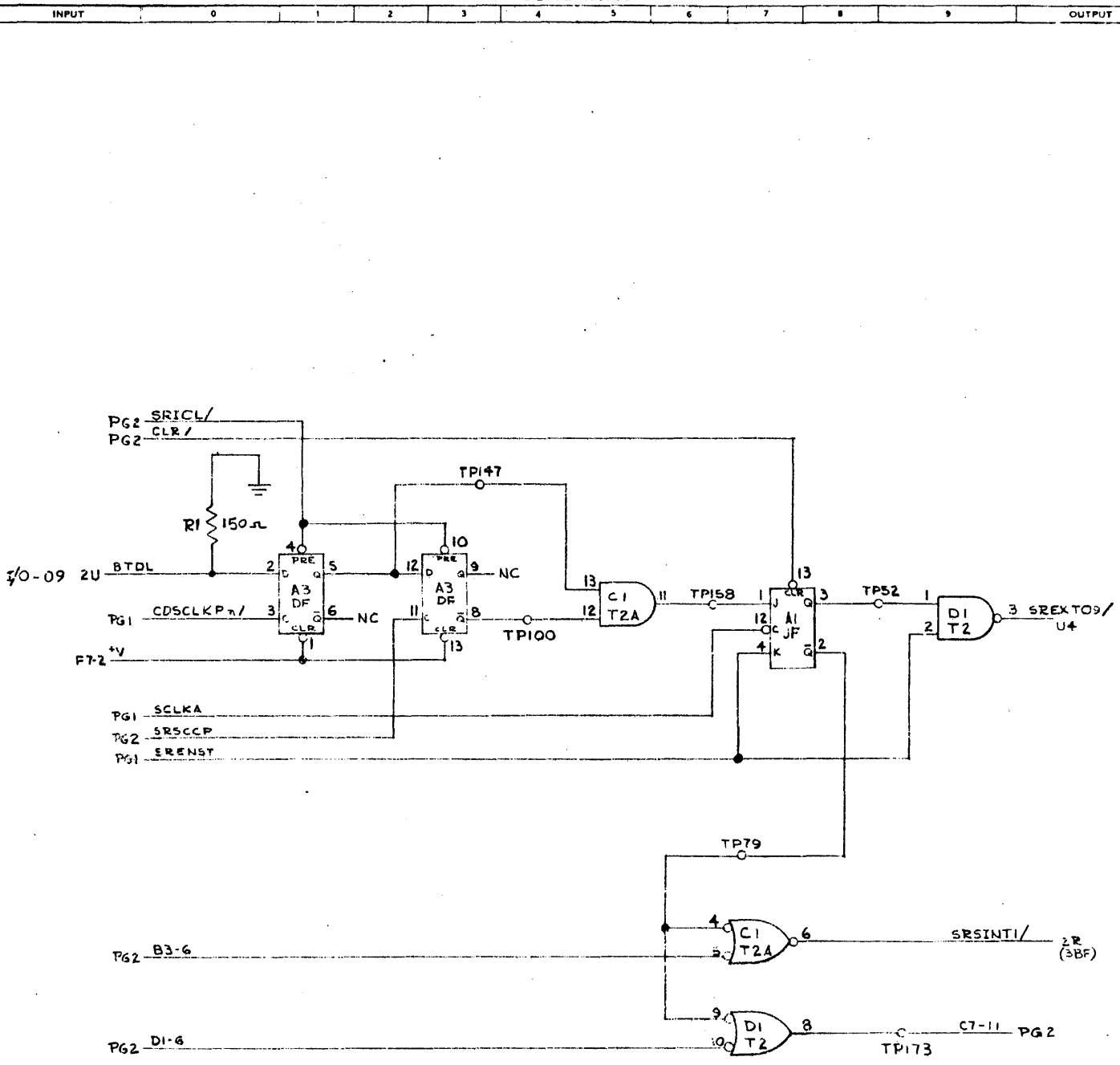
SCHMATIC



SHY.012

2601 4910 232 Burroughs Corporation SMALL SYSTEMS PLANT DORNINGTOWN, PENNSYLVANIA 19338 PROPERTY OF BURROUGHS CORP. NOT TO BE REPRODUCED OR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT	REVISIONS: 1. RELEASED 2. ISS. STAGE 3. REWORK 4. REWORK 5. REWORK	TITLE READER SORTER COMMAND REG. SRI DRAWN: RWI:ER CHECKED: R. J. Curry DATE: 2-20-74 DATE: 2-22-74	DESIGN OR ENGR: B. B. D. APPROVED: B. B. D. DATE: 3/11/74	NUMBER: 2601 4910 C	PAGE 2 OF
	232				
	PRINTED IN U.S.A.				
	INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT				

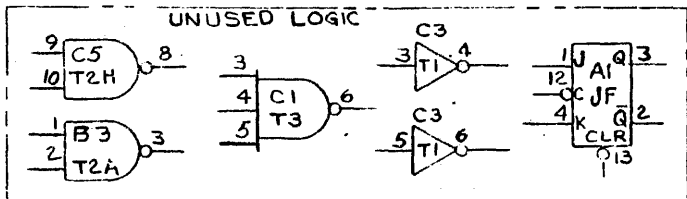
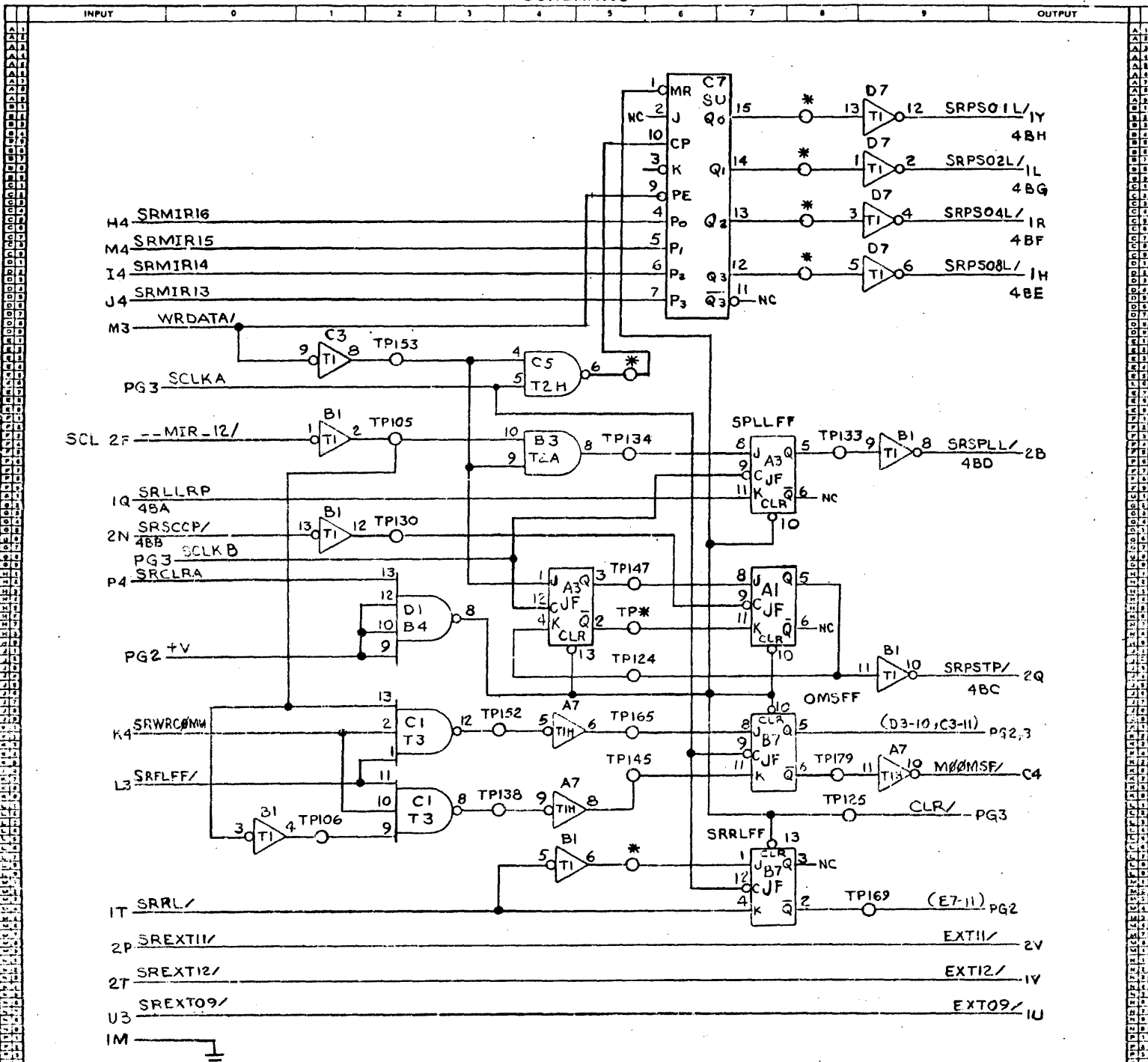
SCHEMATIC



SHY.013

Burroughs Corporation DOWNTOWN PLANT COMPUTER SYSTEMS GROUP		REVISIONS A. APPROVED THIS DATE B. DESIGNED THIS DATE C. CHECKED THIS DATE D. DRAWN THIS DATE	TITLE SRI	NUMBER 2601 4910	REV. C
<small>PROPERTY OF BURROUGHS CORP. NOT TO BE REPRODUCED FOR THEFT OR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT</small>		DRAWN A. TUREK 7-9-74	DESIGNED ENGR DATE	PAGE 3 OF	233

SCHMATIC



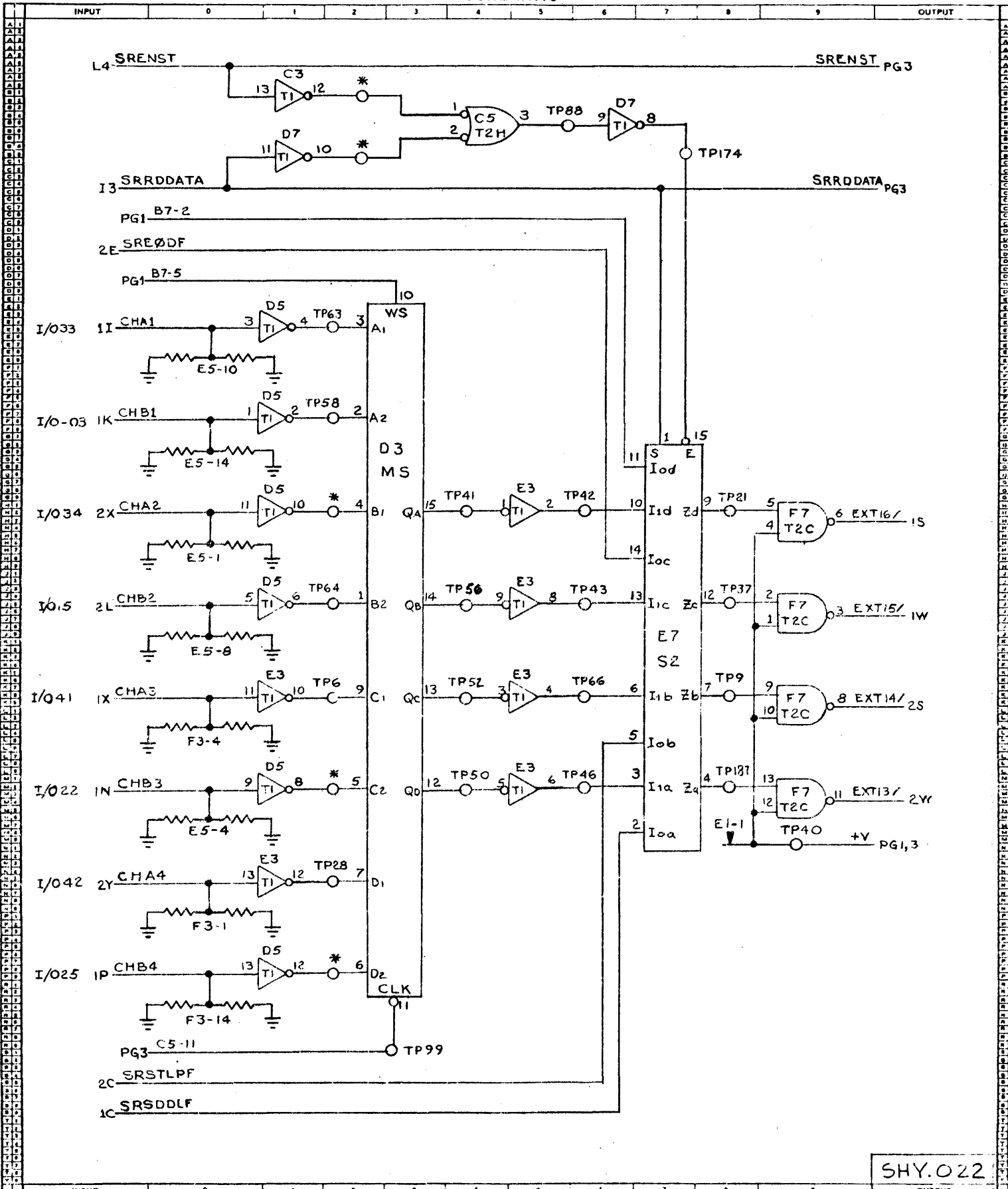
RMOD	1447 5396	2
RMOD	1448 2319	1
MS	1449 2029	1
DF	1447 3607	1
JF	1447 3615	4
SU	147 3755	1
S2	1449 3797	1
B4	1447 3599	1
T3	1447 3540	1
TIH	1479 7971	1
T2H	1479 0240	1
T2C	1447 3581	2
T2A	1447 3524	1
TI	1447 3532	5
CODE	FART NO	QTY

SHY.021

Burroughs Corporation <small>SMALL SYSTEMS PLANT DORRINGTON, PENNSYLVANIA 15336</small>		TITLE SORTEX READER SR2		NUMBER 2601 4944	REV C
DRAWN DATE CHECKED DATE	DESIGNED DATE APPROVED DATE	PAGE 1	OF 3	CC2-9520	
3 2 1 PG NO		C C C REV		PRINTED IN U.S.A.	

234

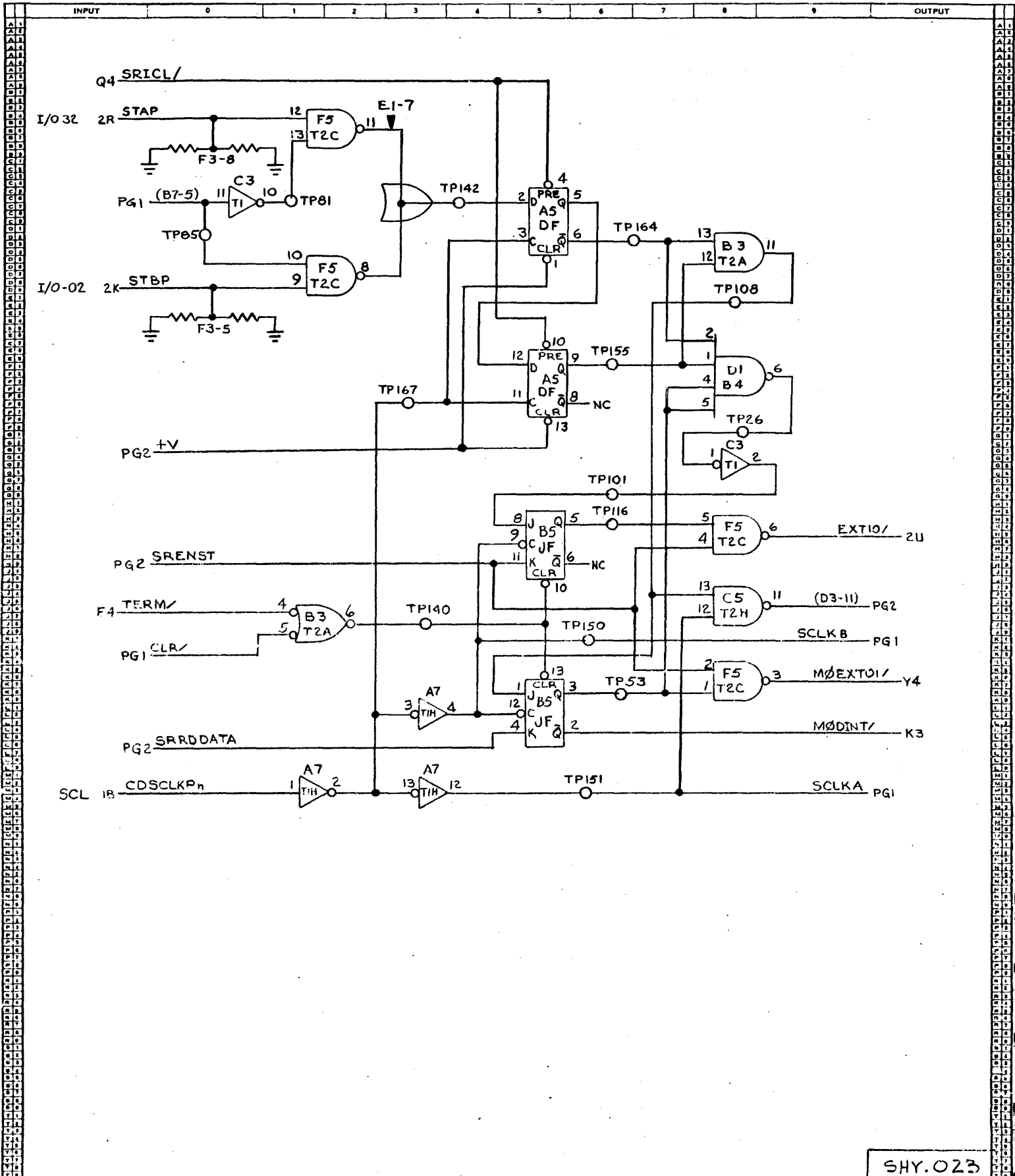
SCHEMATIC



SHY.022

INPUT	0	1	2	3	4	5	6	7	8	9	OUTPUT
2601 4944 Burroughs Corporation SMALL SYSTEMS PLANT DOWNTOWN, PENNSYLVANIA 19338 <small>PROPERTY OF BURROUGHS CORP - NOT TO BE REPRODUCED OR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER FOR PARTS OR REPAIRS</small>	REVISIONS: 1 2 3	TITLE - SORTER READER SR2						NUMBER 2601 4944	REV C		
		DRAWN <i>R.W.</i>	DATE 8 Feb 64	DESIGNER <i>R.W.</i>	DATE 2-26-64	APPROVED	DATE	PAGE 2 OF		235	

SCHEMATIC



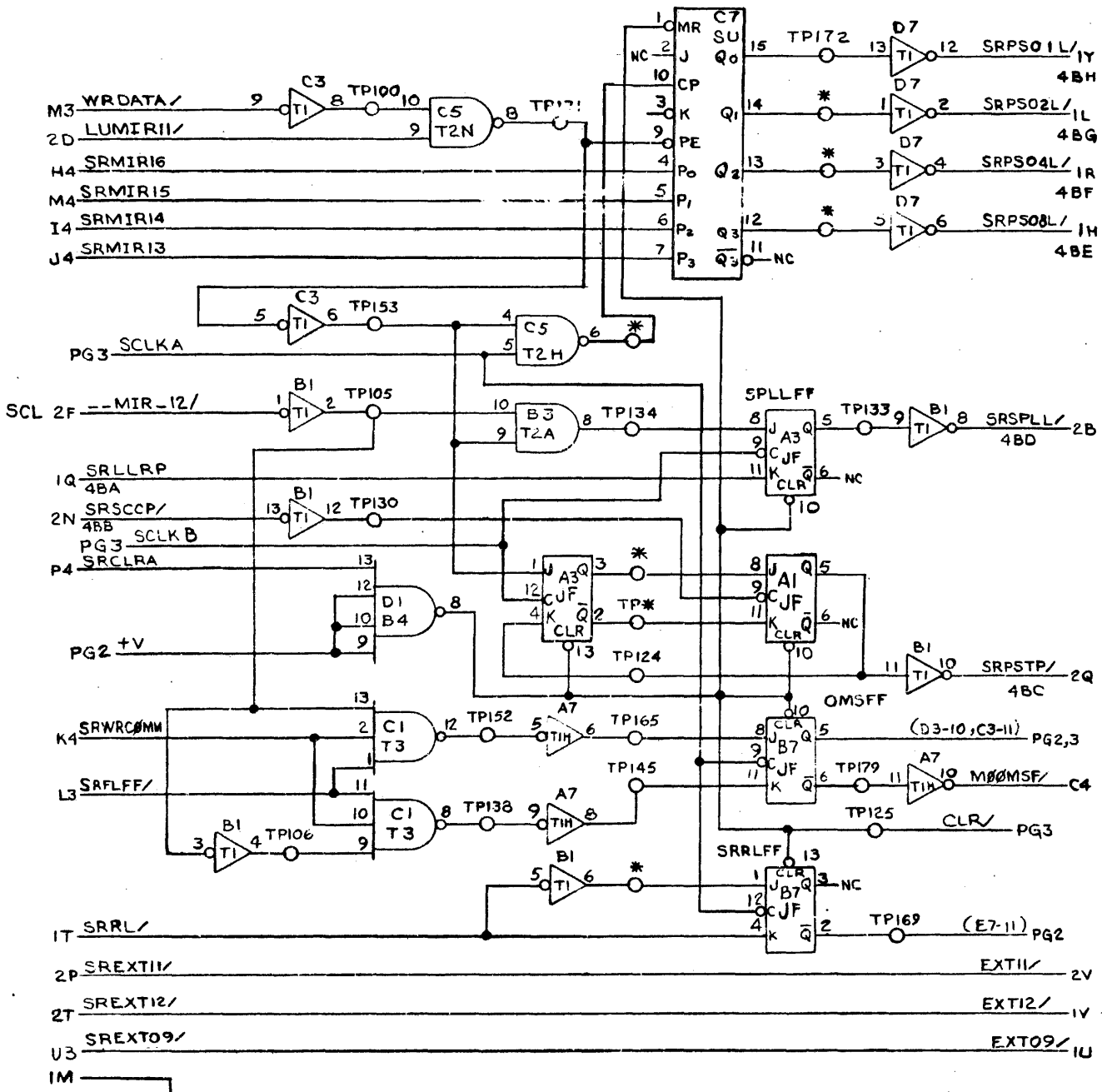
SHY.023

2601 4944 Burroughs Corporation <small>SMA - SYSTEMS PLANT DOWNTOWN, PENNSYLVANIA 15228</small>	TITLE SORTER READER SR2 NUMBER 2601 4944 REV C	DRAWN <i>R. Lee</i> DATE 2-26-74	DESIGN OR ENGR DATE 3-12-74	CHECKED <i>R. Lee</i> DATE 2-26-74	APPROVED B. B. D. DATE 3-12-74	PAGE 3 OF
		PROPERTY OF BURROUGHS CORP. - NOT TO BE REPRODUCED OR DISTRIBUTED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT.				

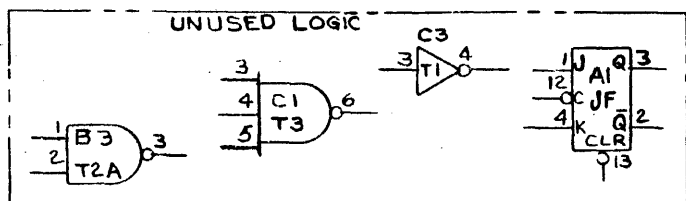
236

SCHEMATIC

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



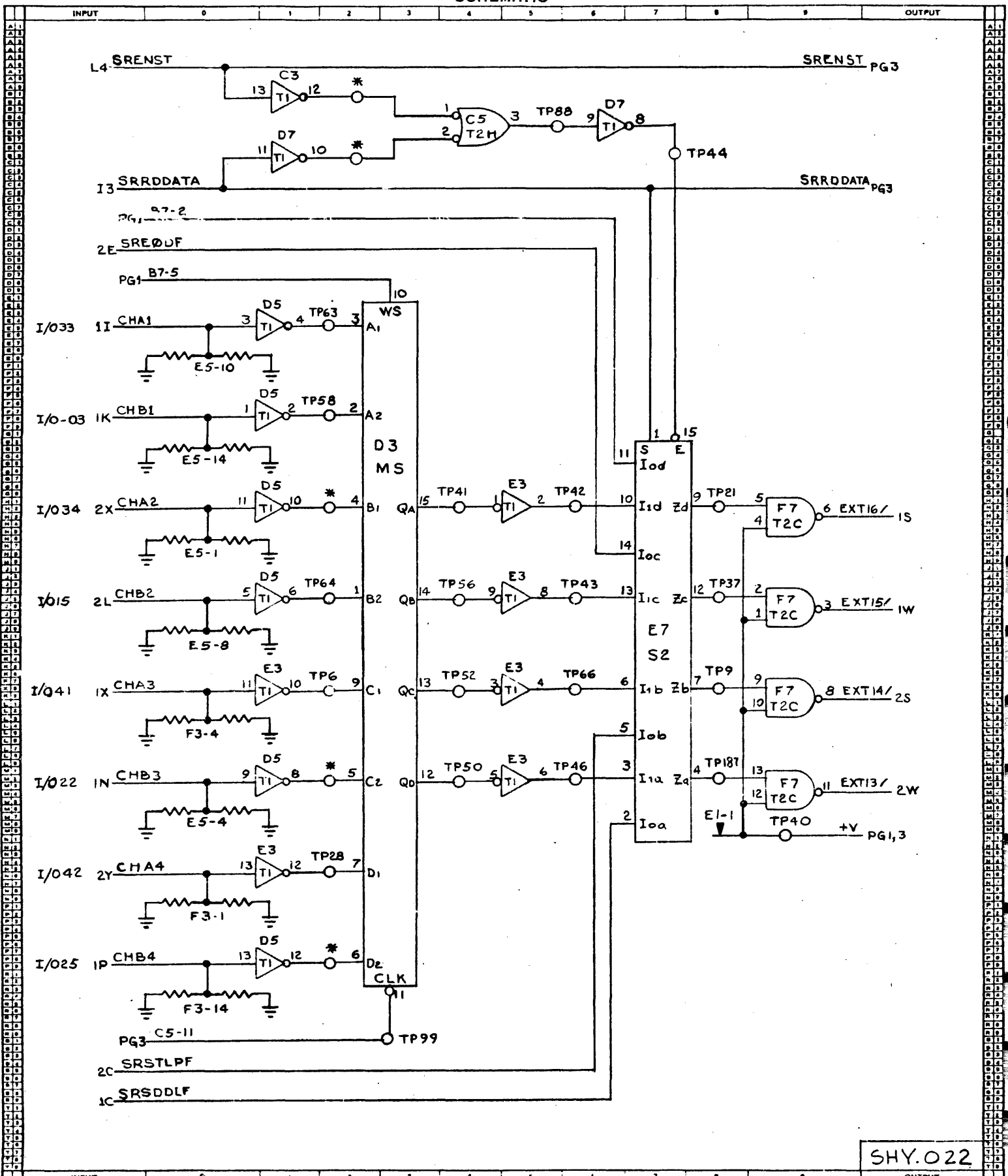
R MOD	1447 5396	2
R MOD	1448 2319	1
MS	1449 2029	1
DF	1447 3607	1
JF	1447 3615	4
SU	1447 3755	1
S2	1449 3797	1
B4	1447 3599	1
T3	1447 3540	1
TIH	1479 7971	1
T2H	1479 0240	1
T2C	1447 3581	2
T2A	1447 3524	1
TI	1447 3532	5
CODE	FART N ^o	QTY



SHY.021

Burroughs Corporation		TITLE SORTER READER SR?		NUMBER 2607 4054		REV A	
SMALL SYSTEMS PLANT DORRINGTON, PENNSYLVANIA 15330		DRAWN DATE CHECKED DATE		DGN OR ENGR DATE APPROVED DATE		PAGE 1 OF 3	
PROPERTY OF BURROUGHS CORP. NOT TO BE REPRODUCED OR USED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF BURROUGHS CORPORATION		3 2 1		PG NO		CC2-9520	
		A A A		REV		PRINTED IN U.S.A.	

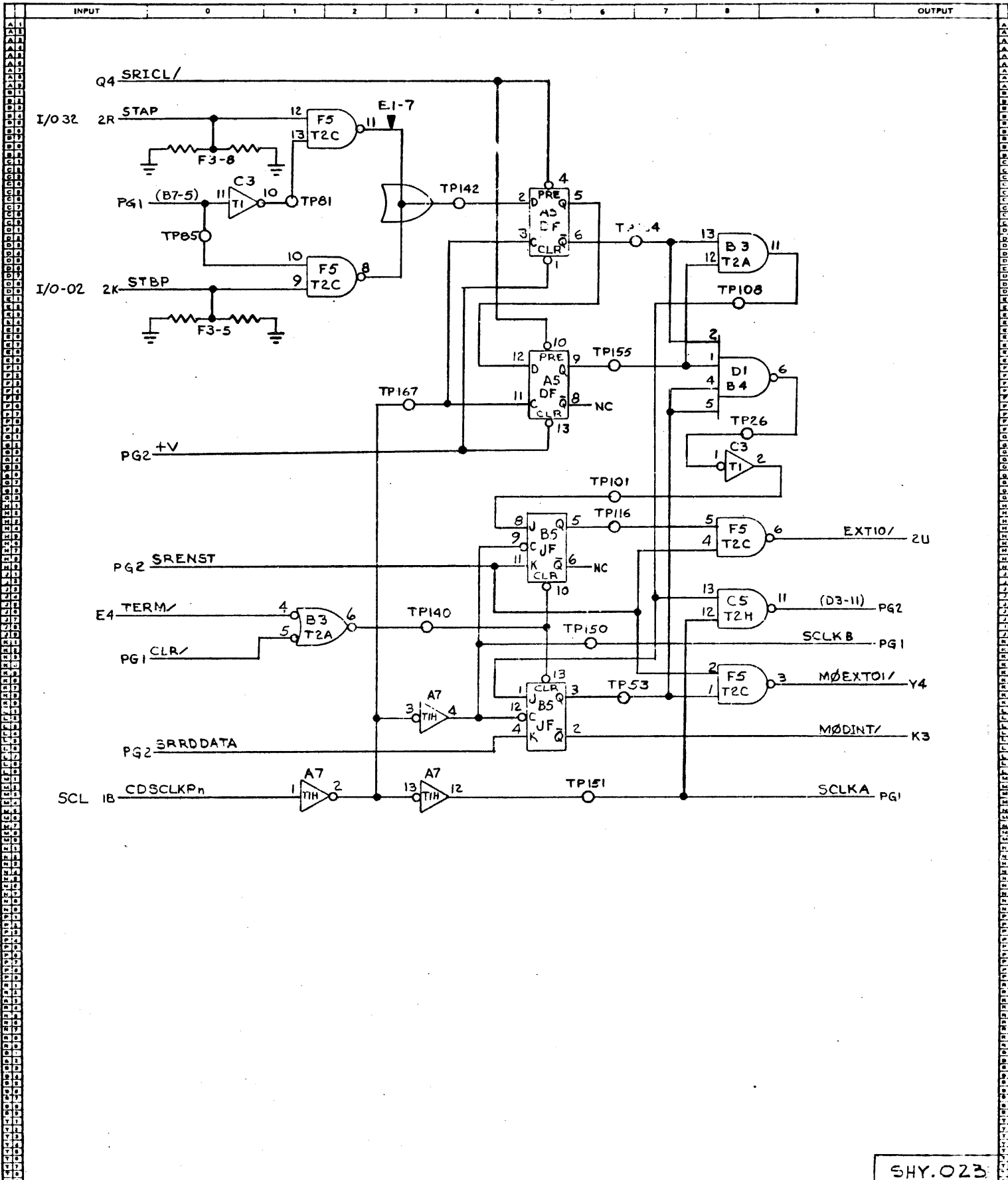
SCHEMATIC



SHY.022

INPUT	0	1	2	3	4	5	6	7	8	9	OUTPUT
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<p>REVISIONS:</p>				<p>TITLE SORTER READER SR2</p>				<p>NUMBER 2607 4054</p>		<p>REV A</p>	
<p>DRAWN J. Locke</p>		<p>DATE JUN 26 1974</p>		<p>DESIGN/ENGR J. Locke</p>		<p>DATE 8-26</p>		<p>PAGE 2 OF</p>			
<p>CHKD BY J. Locke</p>		<p>DATE 11-22-74</p>		<p>APPROVED J. Locke</p>		<p>DATE 1-5-76</p>					

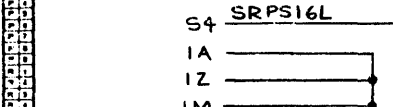
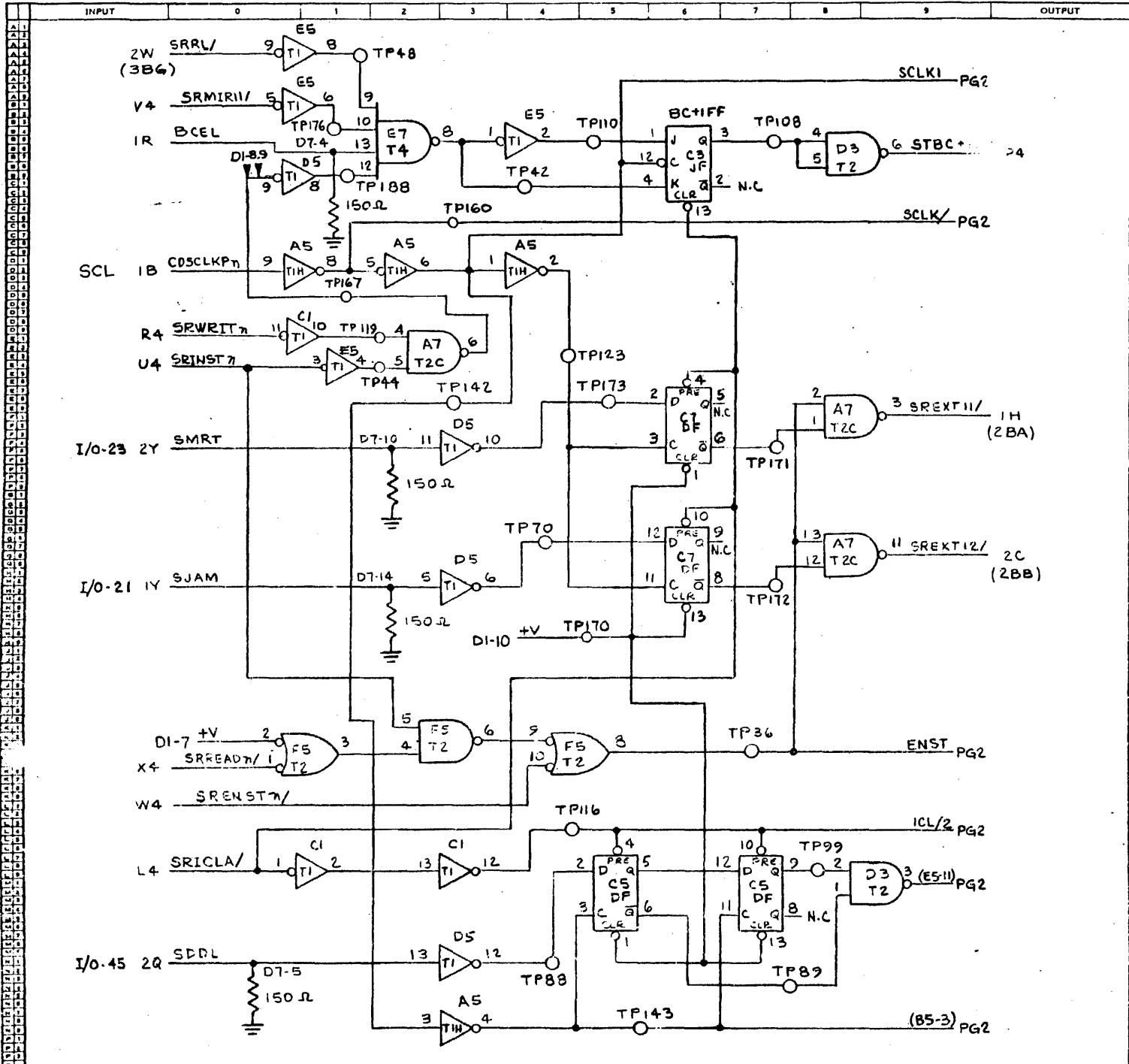
SCHEMATIC



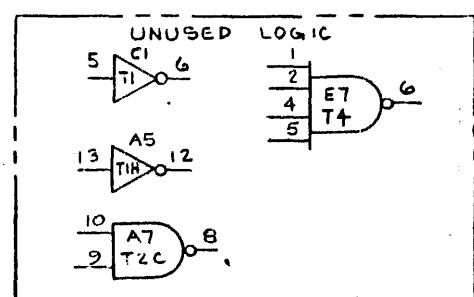
SHY.023

<p>2607 4054</p> <p>Burroughs Corporation 1960 SYSTEMS PLANT DUNMINGTON, PENNSYLVANIA 15030</p>		<p>REVISIONS</p>	<p>TITLE SORTER READER SR2</p> <p>NUMBER 2607 4054 A</p>	<p>DATE 5-3-66</p> <p>DATE 5-3-66</p>	<p>PAGE 3 OF</p>
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SCHMATIC



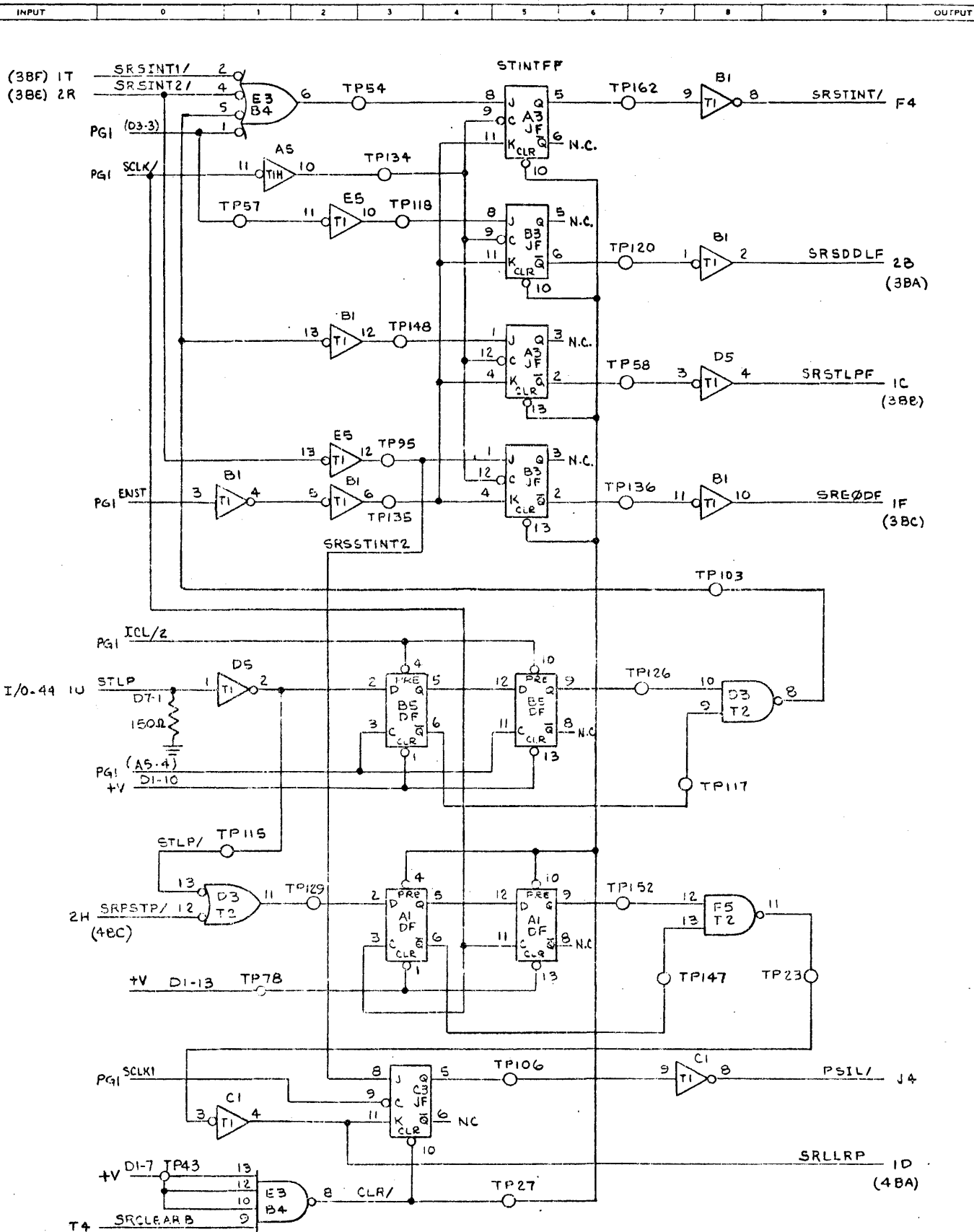
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T1	1447	3532	4
TIH	1479	7971	1
T2	1447	3516	2
T2C	1447	3581	1
T4	1447	3565	1
B4	1447	3599	1
DF	1447	3607	4
JF	1447	3615	3
RMOD	1447	5376	1
CODE	PART NO.		QTY



CC 2-9520 SHY.031

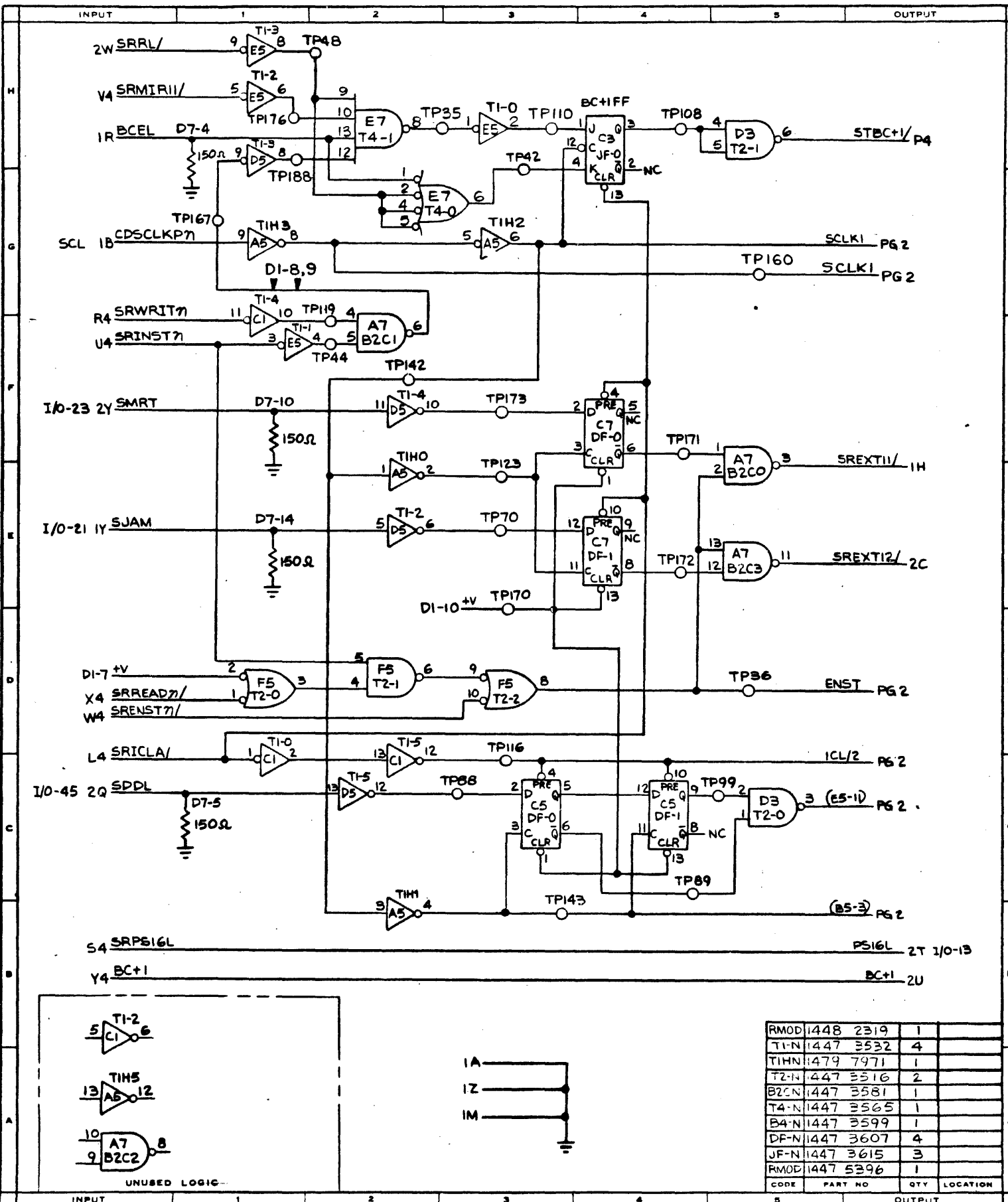
2601 4977 Burroughs Corporation SMALL SYSTEMS PLANT DOWNTOWN, PENNSYLVANIA 15222	TITLE SORTER READER SR3	NUMBER 2601 4977	D
	DRAWN J.SCHENNER DATE 2-12-74 CHECKED DATE 2-12-74	DESIGN ENGR DA.E APPROVED DATE	PAGE 1 OF 2

SCHEMATIC



SHY.032

2601 4977	Burroughs Corporation <small>SMALL SYSTEMS DIV.</small> <small>DORRINGTON AV., PENNSYLVANIA 19380</small>		REVISIONS 1 RELEASED 2 SEE SPT 3 SEE SPT 4 SEE SPT 5 SEE SPT	TITLE SORTER READER SR3 DATE 12/27/74 CHECKED BY B.B.D. DATE 2/3/76		MODEL 2601 4977 C DATE 1-21-74 PAGE 2 OF
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REV	BY	DATE	DESCRIPTION
1	BA	11-13-75	INITIAL
2	BA	11-24-75	REVISION
3	BA	11-24-75	REVISION
4	BA	11-24-75	REVISION

RMOD	1448	2319	1
TI-N	1447	3532	4
TIH-N	1479	7971	1
T2-N	447	3516	2
B2C-N	1447	3581	1
T4-N	1447	3565	1
B4-N	1447	3599	1
DF-N	1447	3607	4
JF-N	1447	3615	3
RMOD	1447	5396	1
CODE	PART NO	QTY	LOCATION

242 Burroughs Corporation

COMPUTER SYSTEMS GROUP DOWNINGTOWN PLANT U.S. AMERICA

242

C. ZUTSKI 11-13-75

DATE: 11-24-75

TITLE: SORTER READER SR3

SHEET: 1 of 2

DWG NO: 2606 5102

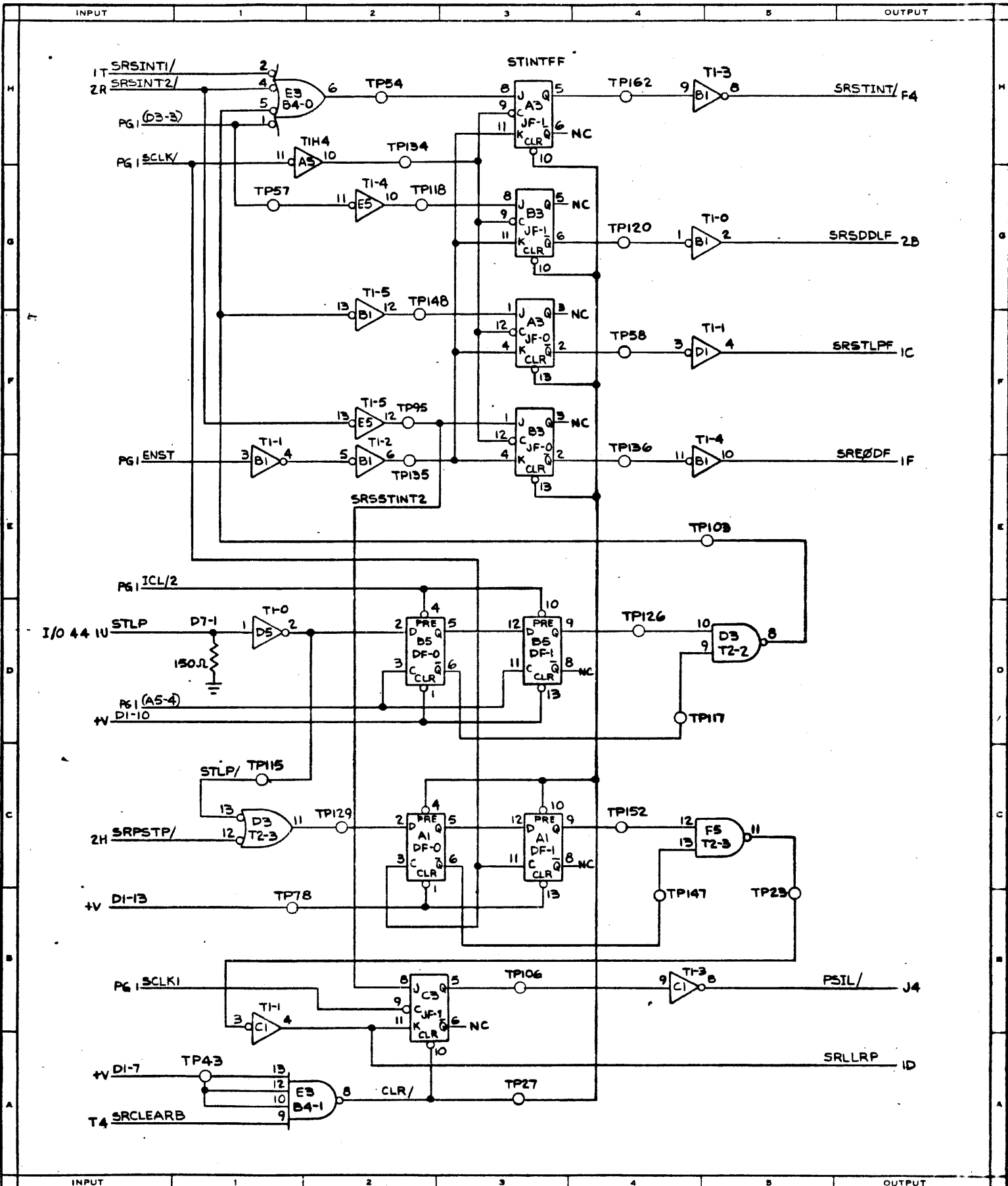
CLASS CODE: 2-9520

PLT NO: 038

REV: B

PRINTED IN U.S. AMERICA

DIN 96 REV 12-74



Burroughs Corporation

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

REVISIONS

TITLE		CLASS CODE	
SORTER READER SR3		2-9520	
SHEET	DWG. NO.	PLT NO.	REV
2	2606 5102	038	A

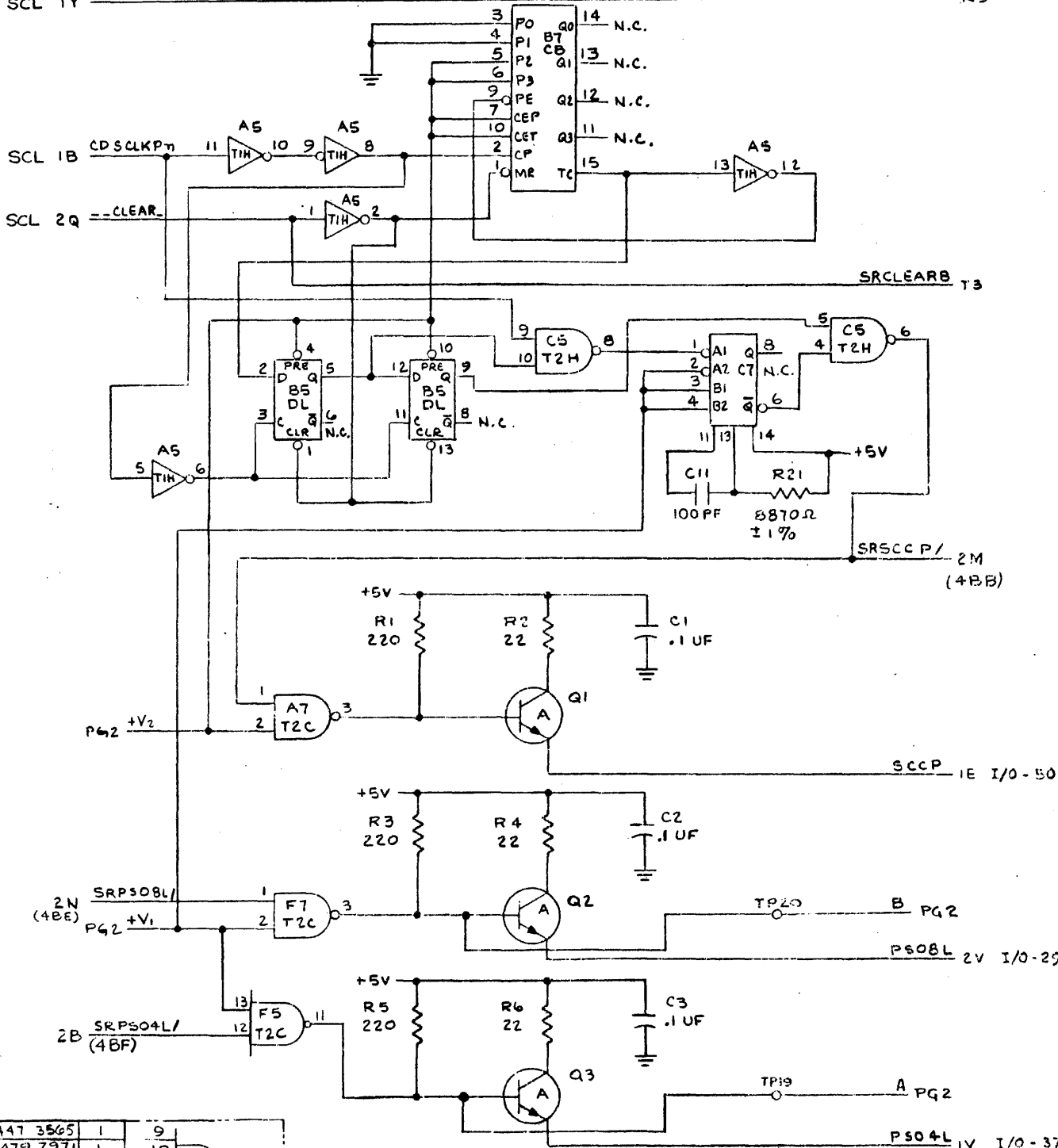
243

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PRINTED IN U.S.A.

DIN 149 13174

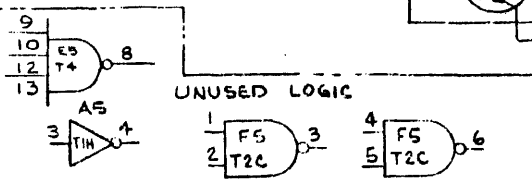
SCHEMATIC

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



NOTES:
 1. CAPACITORS C12 THRU C16 ARE FOR I.C. DECOUPLING
 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

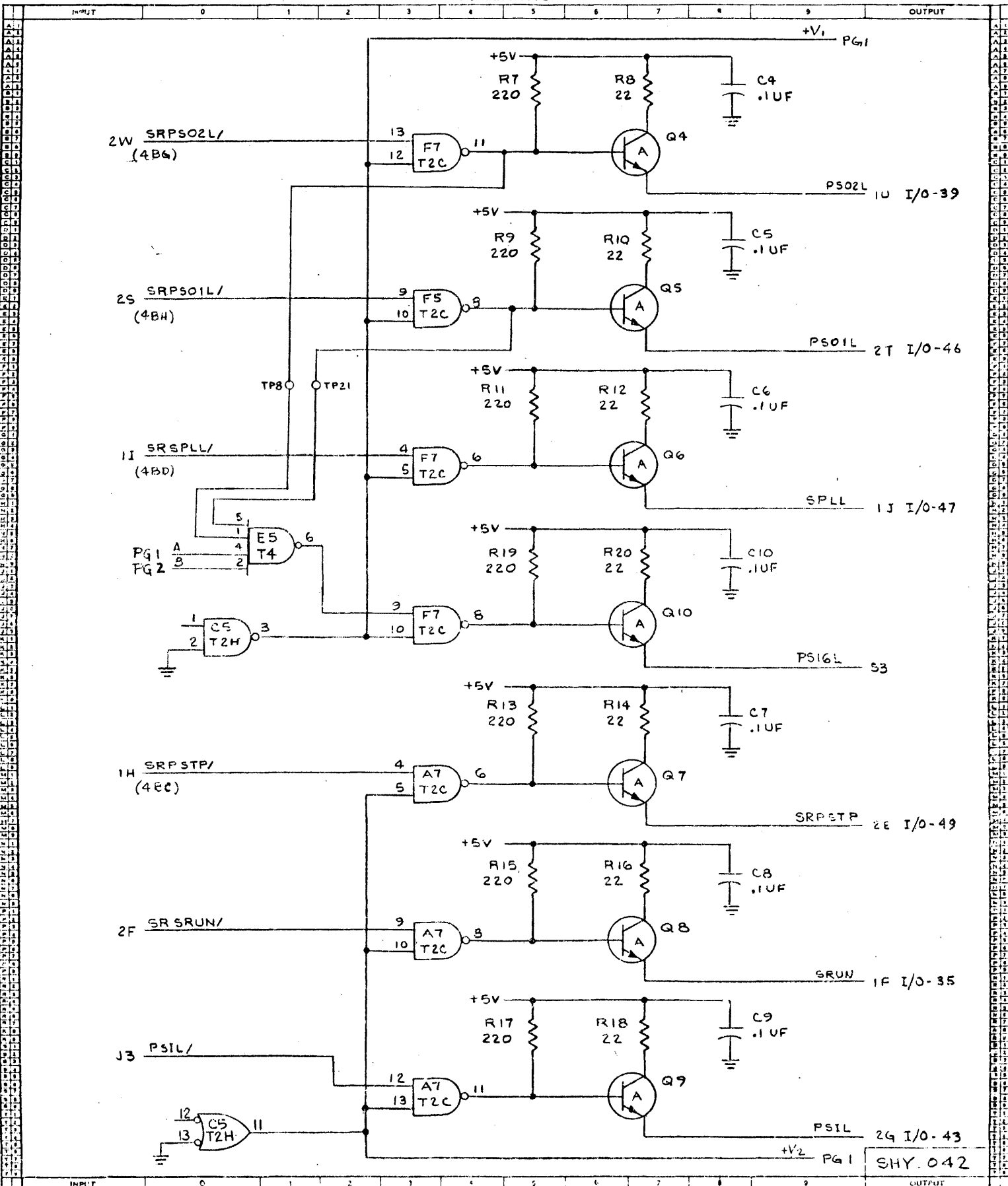
T4	1447 3565	1
T1H	1479 7971	1
T2H	1479 0240	1
T2C	1447 3581	3
DL	1447 3623	1
TAON	1901 7102	1
CB	1447 3771	1
CODE	PART NO.	QTY



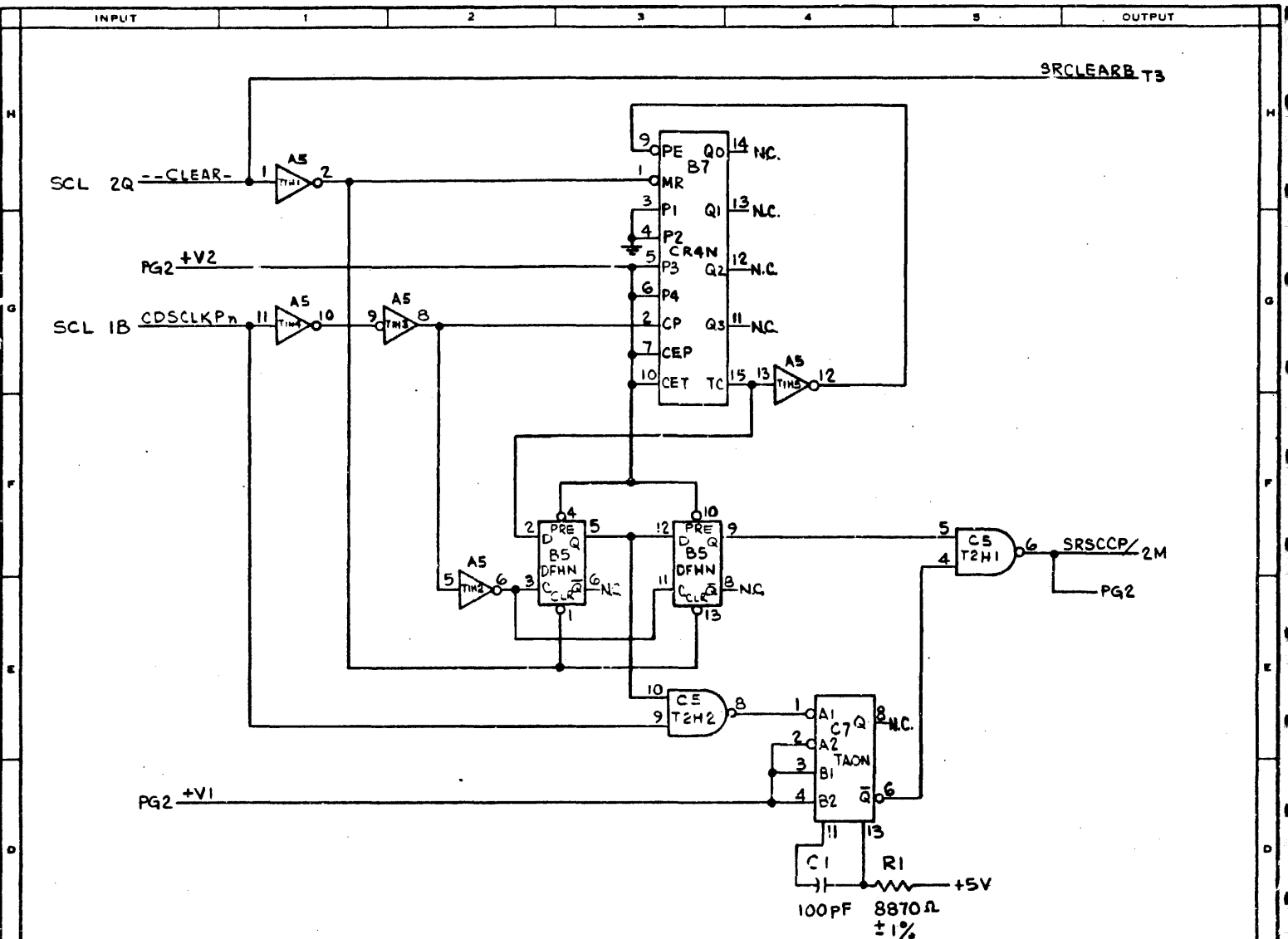
SHY.041

Burroughs Corporation <small>SMALL SYSTEMS PLANT DOWNSBORO, PENNSYLVANIA 15228</small>		TITLE SORTER READER SR4 NUMBER 2601 5008		REV D
DRAWN: J.SCHLENNER DATE: 2-11-74	DESIGNED: R.L. LEWIS DATE: 2-10-74	CHECKED: [Signature] DATE: 3-6-74	APPROVED: [Signature] DATE: 3-6-74	PAGE 1 OF 2
PROPERTY OF BURROUGHS CORP. NOT TO BE REPRODUCED NOR USED FOR MANUFACTURING PURPOSES WITHOUT BURROUGHS ORDER OR PRIOR WRITTEN CONSENT.			CC-2-9520	PRINTED IN U.S.A.

SCHMATIC



Burroughs Corporation <small>SMALL APPLIANCE PLANT DOWNTOWN, PENNSYLVANIA 19358</small>		TITLE SORTER READER SR4		NUMBER 2601 5008 D	
DRAWN J. SCHAEFER 2-15-74	DATE 2-15-74	DESIGN ENGR B. B. D.	DATE 3-12-74	PAGE 2 OF	245
<small>POWER SUPPLY BURNED; SHEET NOT TO BE REPRODUCED FOR USE FOR MANUFACTURING PURPOSES WITHOUT BURROUGHS CORPORATION WRITTEN CONSENT</small>		<small>REVISIONS: A 1-2-74 B 1-2-74 C 2-2-74</small>		PRINTED IN U.S.A.	

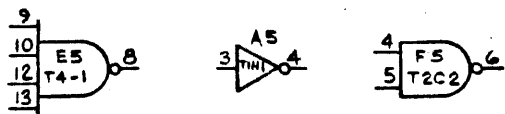


SCL IX --MIR-11/	SRMIR11/	V3
IG ICL/	SRICLA/	L3
SCL F3 SRSTINT/	SINTn/	2I
SCL IN PSENSTn/	SRENSTn/	W3 SCL
SCL IR PSREADn/	SRREADn/	X3
IS PSINSTn/	SRINSTn/	U3
SCL IV PSWRITn/	SRWRITn/	R3

NOTES:

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

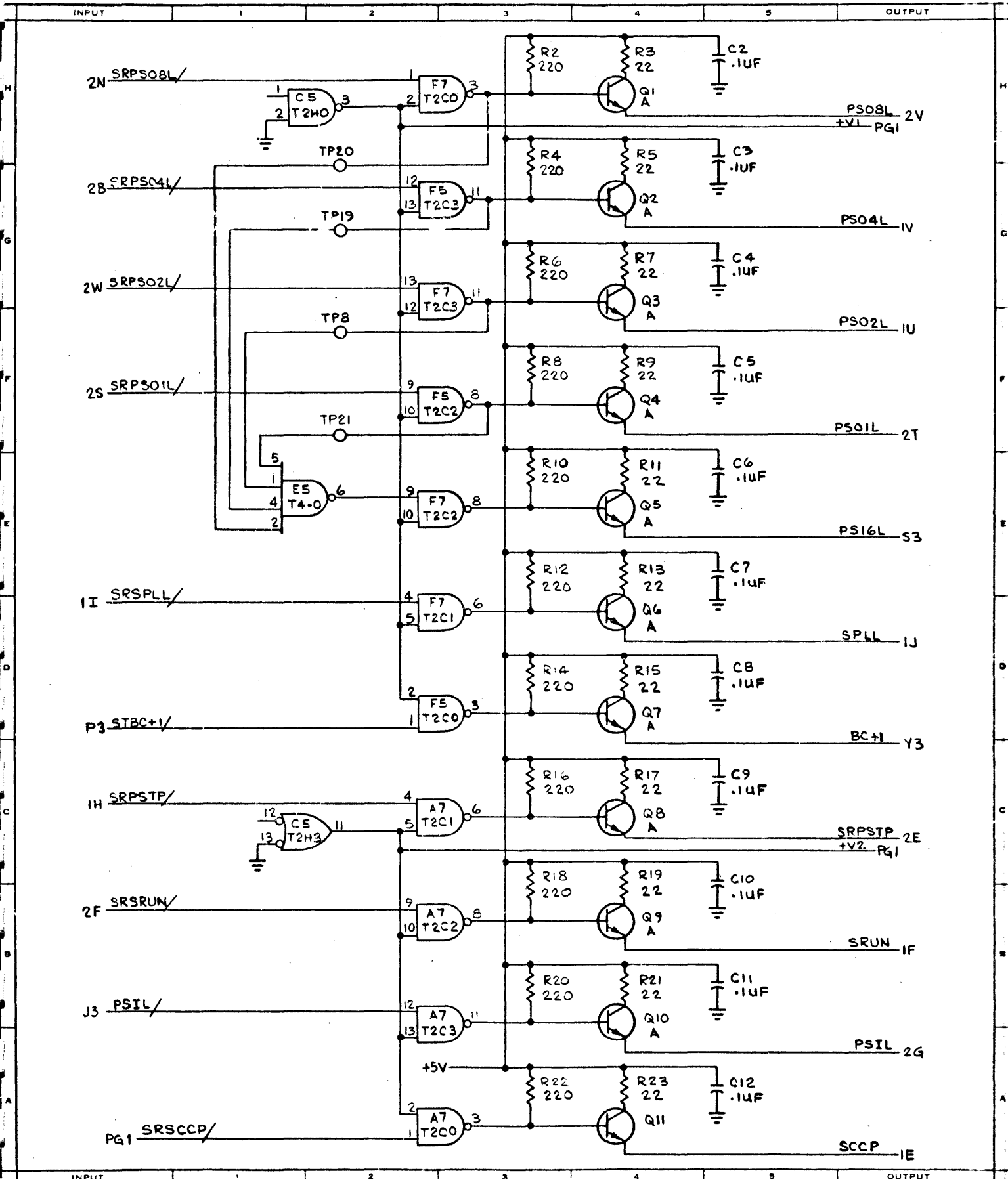
TAON	1901 7102	1	
TIHN	1479 7971	1	
T2HN	1479 0240	1	
CR4N	1447 3771	1	
DFHN	1447 3623	1	
B2CN	1447 3581	3	
TA-N	1447 3565	1	
CODE	PART NO	QTY	LOCATION



UNUSED LOGIC

246 Burroughs Corporation COMPUTER SYSTEMS GROUP DOWNTOWN PLANT DOWNTOWN, PA 19238 U.S. AMERICA	REV A SH 1 REVISIONS RELEASED BY 12/24/75 EX-12/24/75	A A 1 2	DRAWN BY [Signature] DATE 10-9-75 CHECKED BY [Signature] DATE 11-4-75 DESIGNED BY [Signature] DATE 5-3-75 APPROVED BY [Signature] DATE 5-3-75	TITLE SR4	CLASS CODE 2-9520
	SHEET 1 of 2 DWG NO. 2606 5136 PLT NO. 038 REV A				

BELLING 44-131-25507
 PRINTED IN U.S. AREA CA
 DTM PG REV 17-74



Burroughs Corporation

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

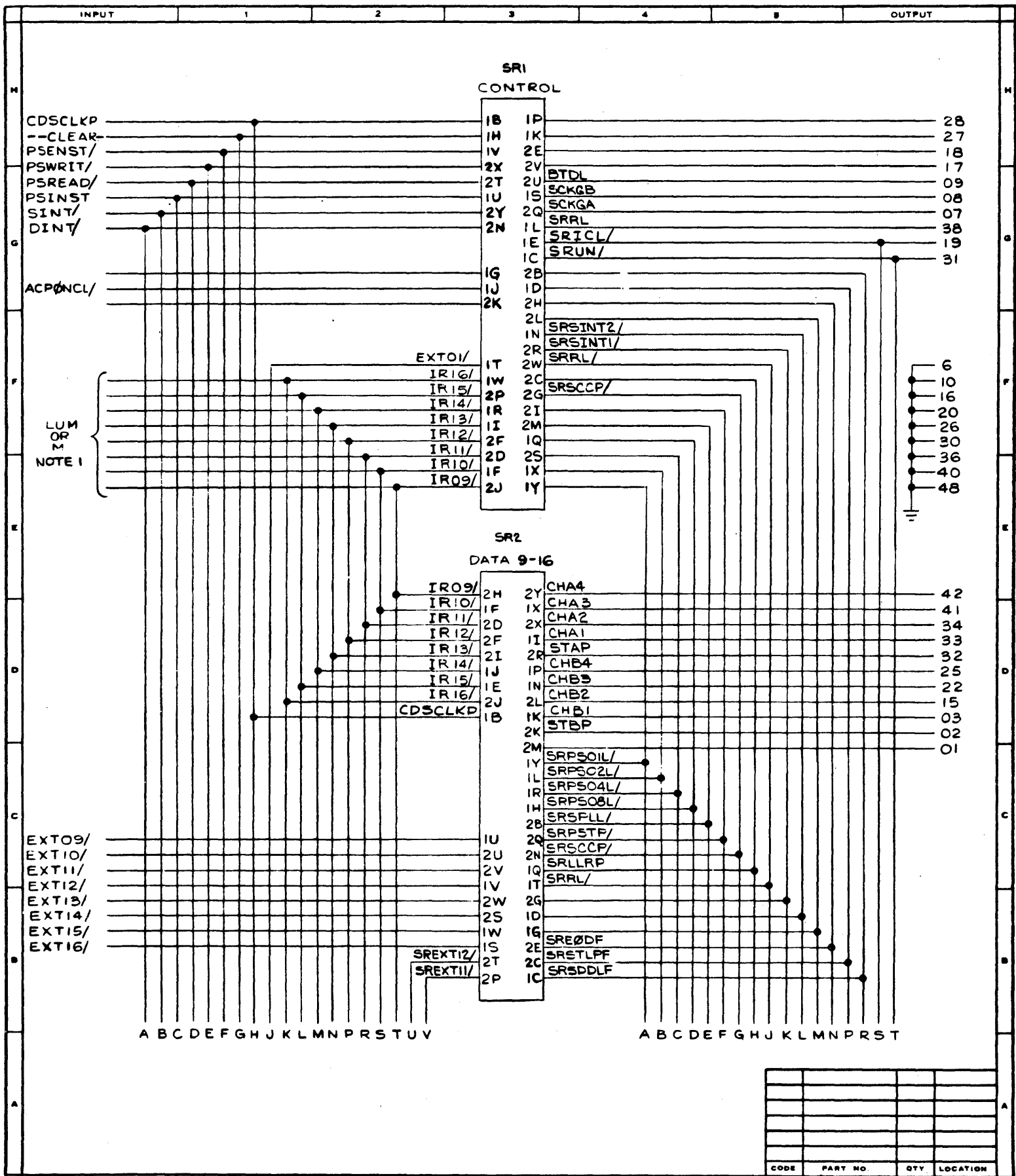
REVISIONS

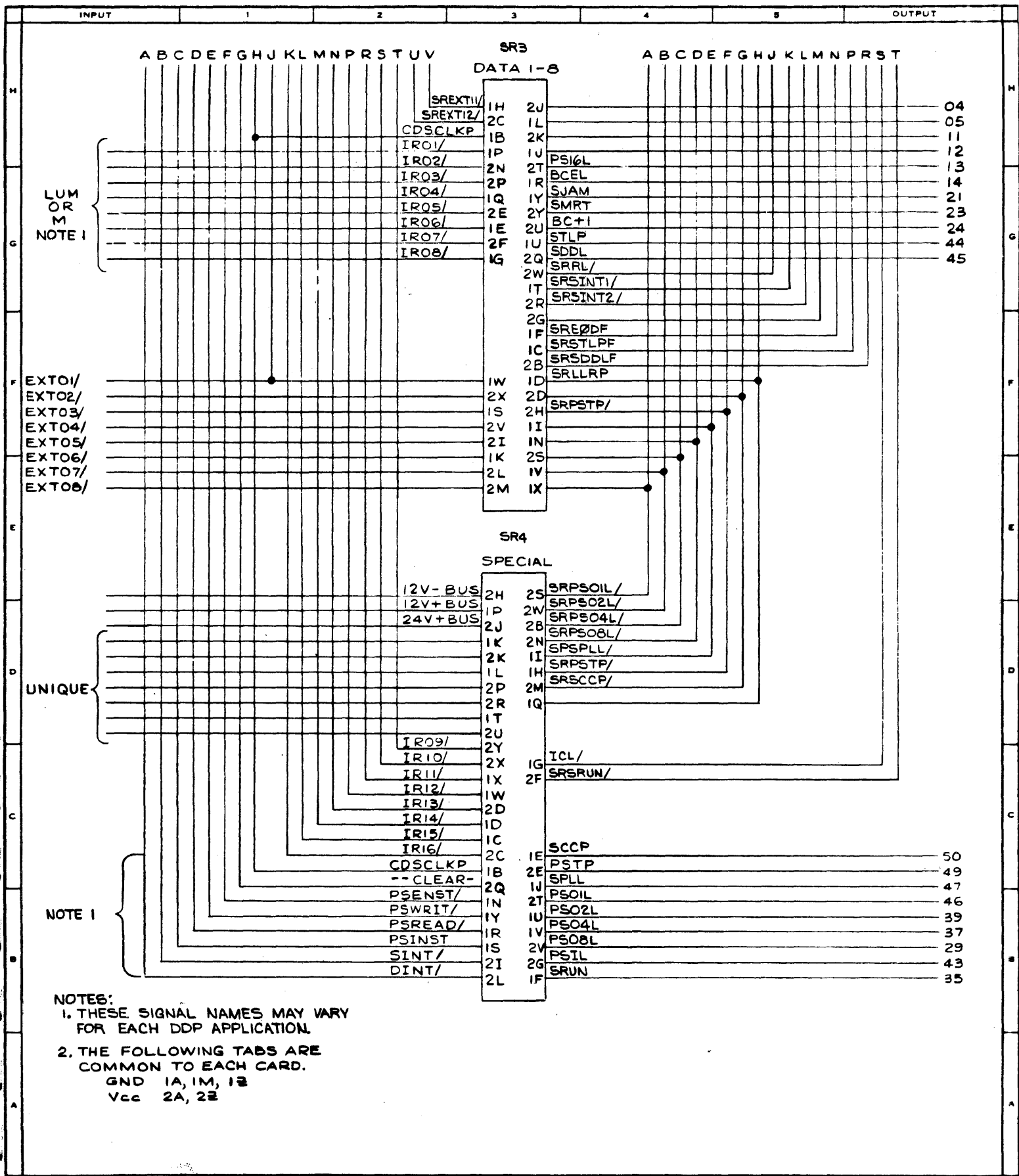
TITLE		CLASS CODE	
SR4		2-9520	
SHEET	DWG NO.	PLT NO.	REV
2	2606 5136	038	A

247

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DTM 149 12 74





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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PURPOSES EXCEPT ON BURROUGHS
ORDER OR PRIOR WRITTEN
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

APPROVED BY

B. Dinerman

HK Caswell

11-4-75

ORIGINAL RELEASE DATE

11-10-75

PAGE

1

OF

3

REVISIONS

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

2603 0056



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.

Burroughs Corporation



COMPUTER SYSTEMS GROUP
DOWNTOWN PLANT
DOWNTOWN, PENNSYLVANIA 19335

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PURPOSES EXCEPT ON BURROUGHS
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CONSENT.

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

DWG NO.
1449 0288


SHEET 2 OF	
RELEASED	DATE
A	ECN1151 10-10-72
B	ECN1156 10-27-72
C	ECN1163 JES
D	ECN1179 SRF 11-15-72
E	ECN2777 APT 9-16-74
F	ECN2827 DF
G	ECN3505 APT 11-10-74

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	PI	1	SOLDER	TBA GTBI	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	PI	25	WIRE WRAP	P2	23	WIRE WRAP	TREL/	50											

NOTES:

252

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

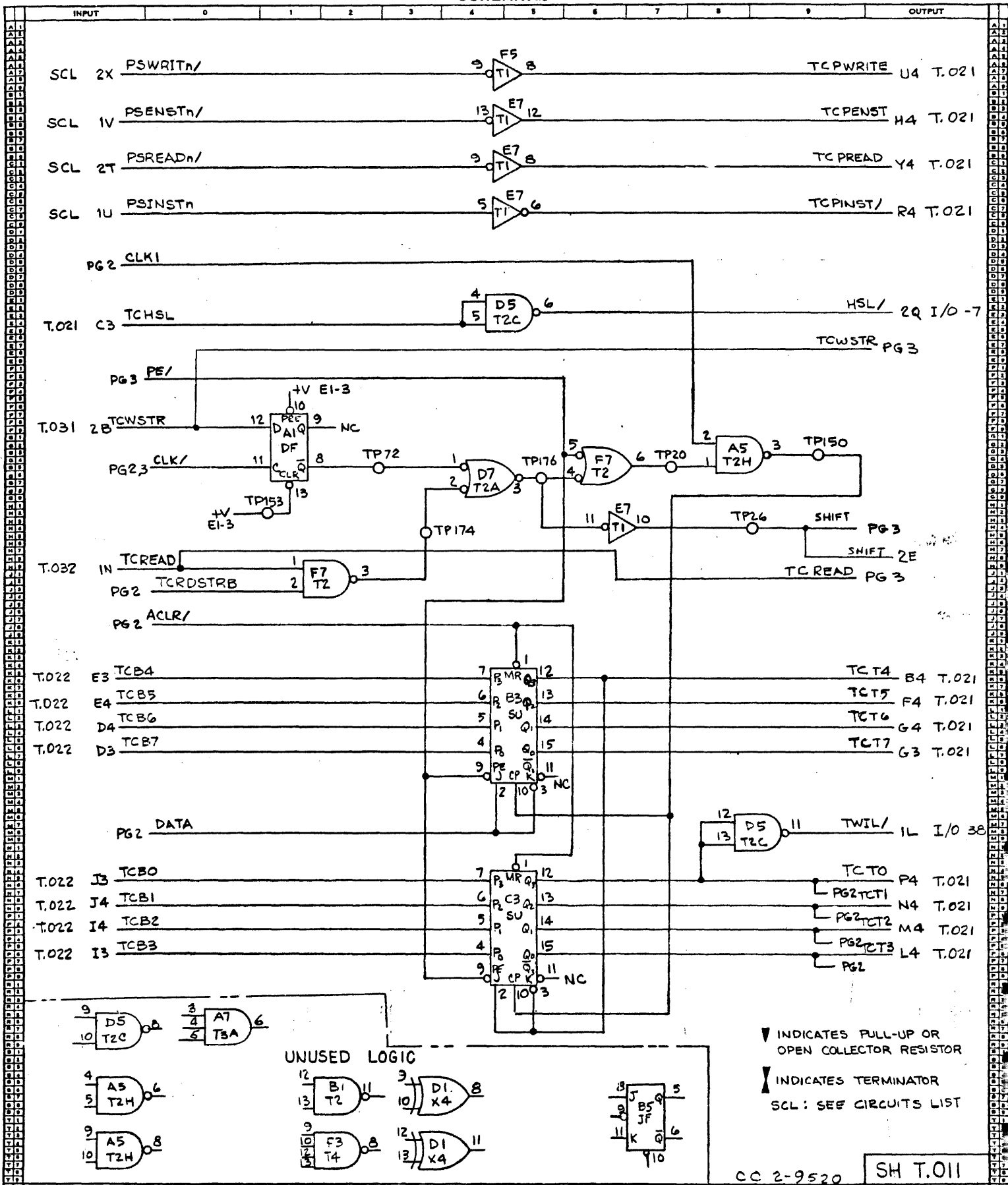
Burroughs Corporation 
 COMPUTER SYSTEMS GROUP DOWNINGTOWN PLANT
 DOWNINGTOWN, PA 19335 U.S. AMERICA

TITLE WIRE LIST
 ADAPTER CABLE TAPE CASSETTE

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SHEET DWG NO
 2 OF 2 1449 0288

SCHMATIC



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

CC 2-9520

SH T.011

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

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PRODUCTION

TITLE TC1 TAPE CASSETTE 1
 SYSTEM B700
 DRAWN J. INCH
 APPROVED: [Signature]
 11-18-72

CHECKED [Signature]
 RELEASED 10-6-72

DWG. NO. 1448 9124
 PAGE 1 OF 3
 REV. LETTER H PER ECJ 2505
 11-18-72 AFT

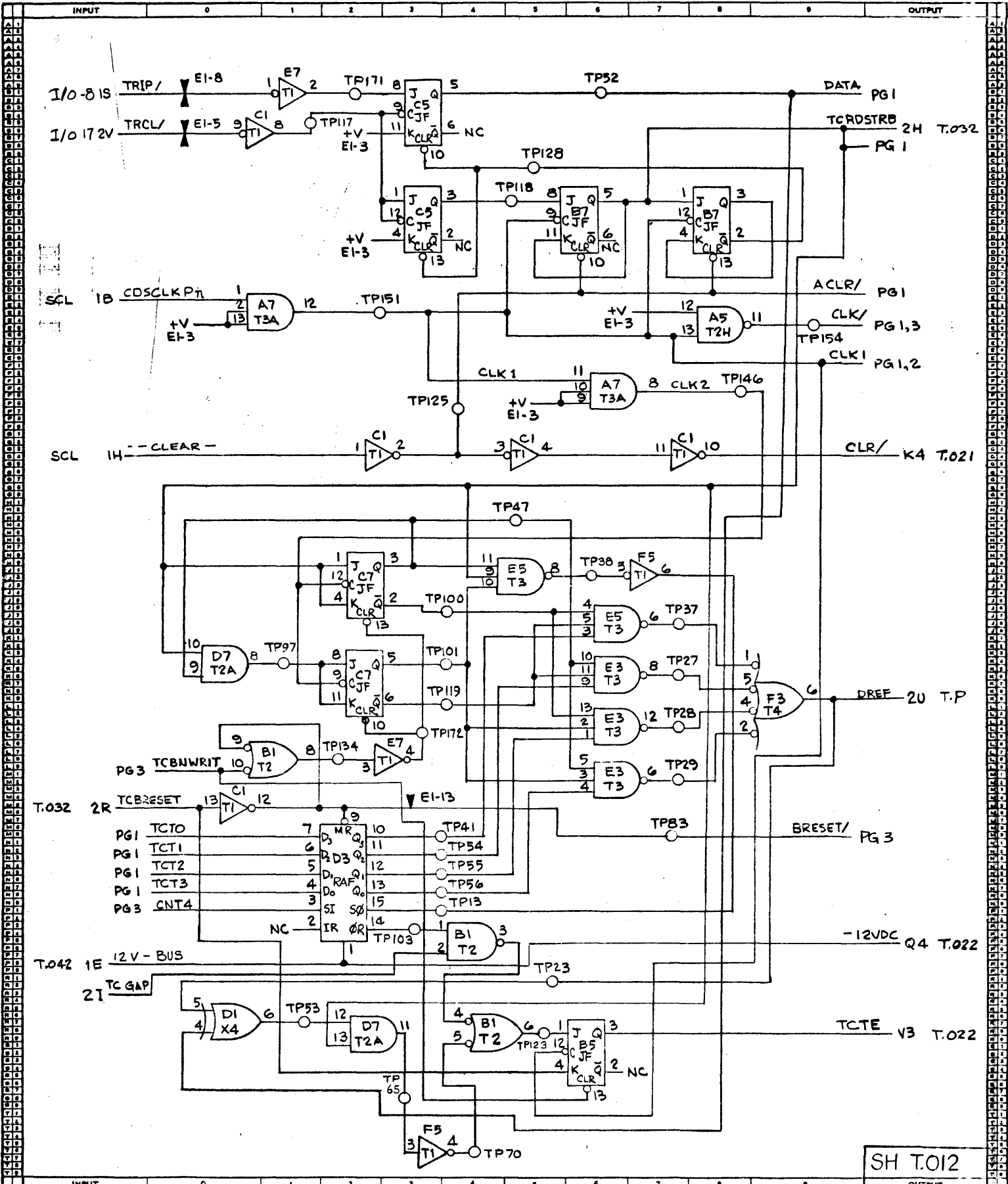
254

DTN 86 4-71

1-3 PRINTED IN U. S. AMERICA

PRODUCTION 254

SCHMATIC



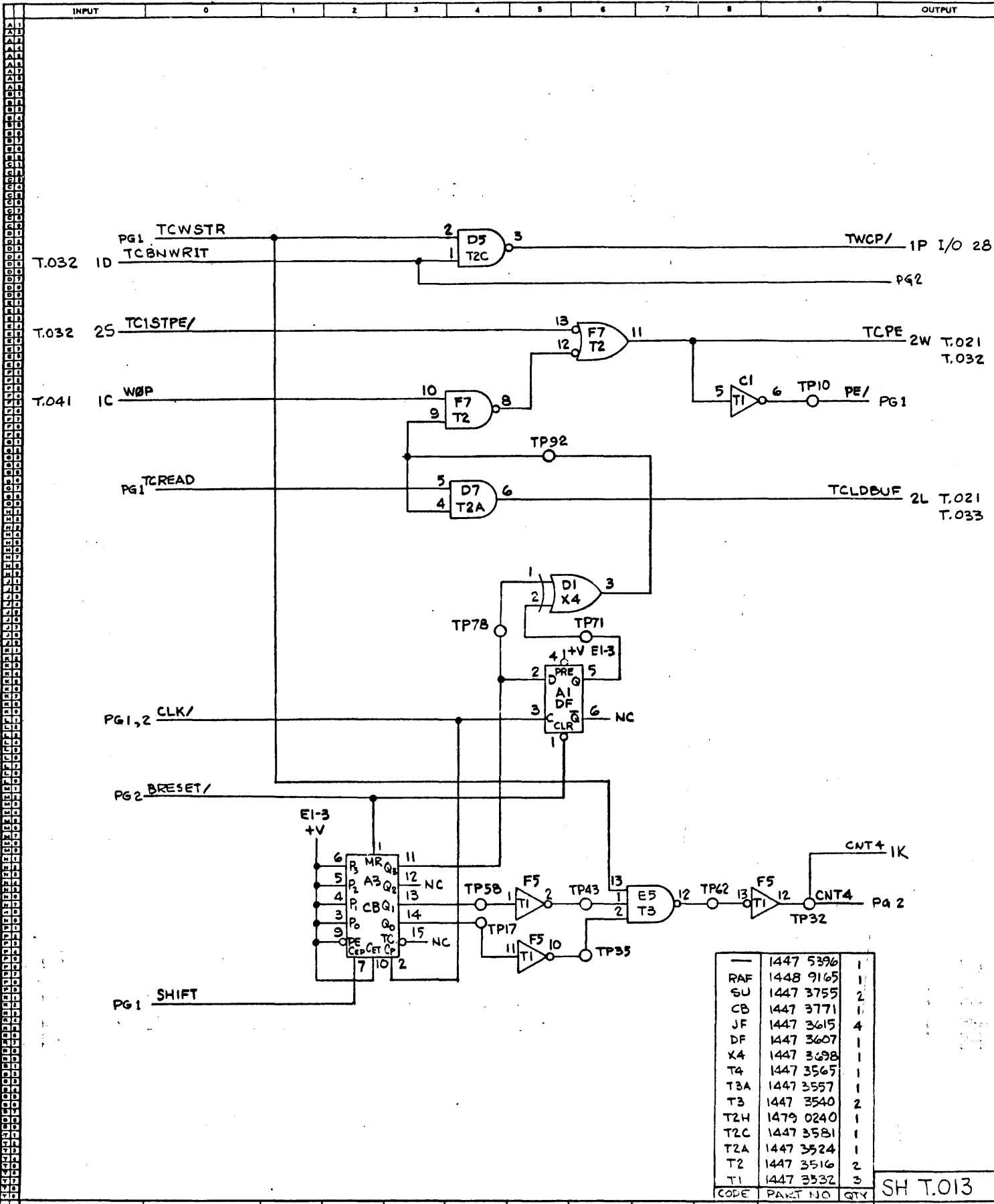
SH T.012

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TITLE TCI TAPE CASSETTE 1
 SYSTEM B700
 DRAWN J. INGH
 APPROVED
 CHECKED [Signature]
 RELEASED 10-6-72

DWG. NO. 1448 9124
 PAGE 2
 REV. LETTER H PER ECN 3500
 11-18-72 AFT
 1-4 PRINTED IN U.S.A.

SCHMATIC



—	1447 5396	1
RAF	1448 9165	1
SU	1447 3755	2
CB	1447 3771	1
JF	1447 3615	4
DF	1447 3607	1
X4	1447 3698	1
T4	1447 3565	1
T3A	1447 3557	1
T3	1447 3540	2
T2H	1479 0240	1
T2C	1447 3581	1
T2A	1447 3524	1
T2	1447 3516	2
T1	1447 3532	3
CODE	PART NO	QTY

SH T.013

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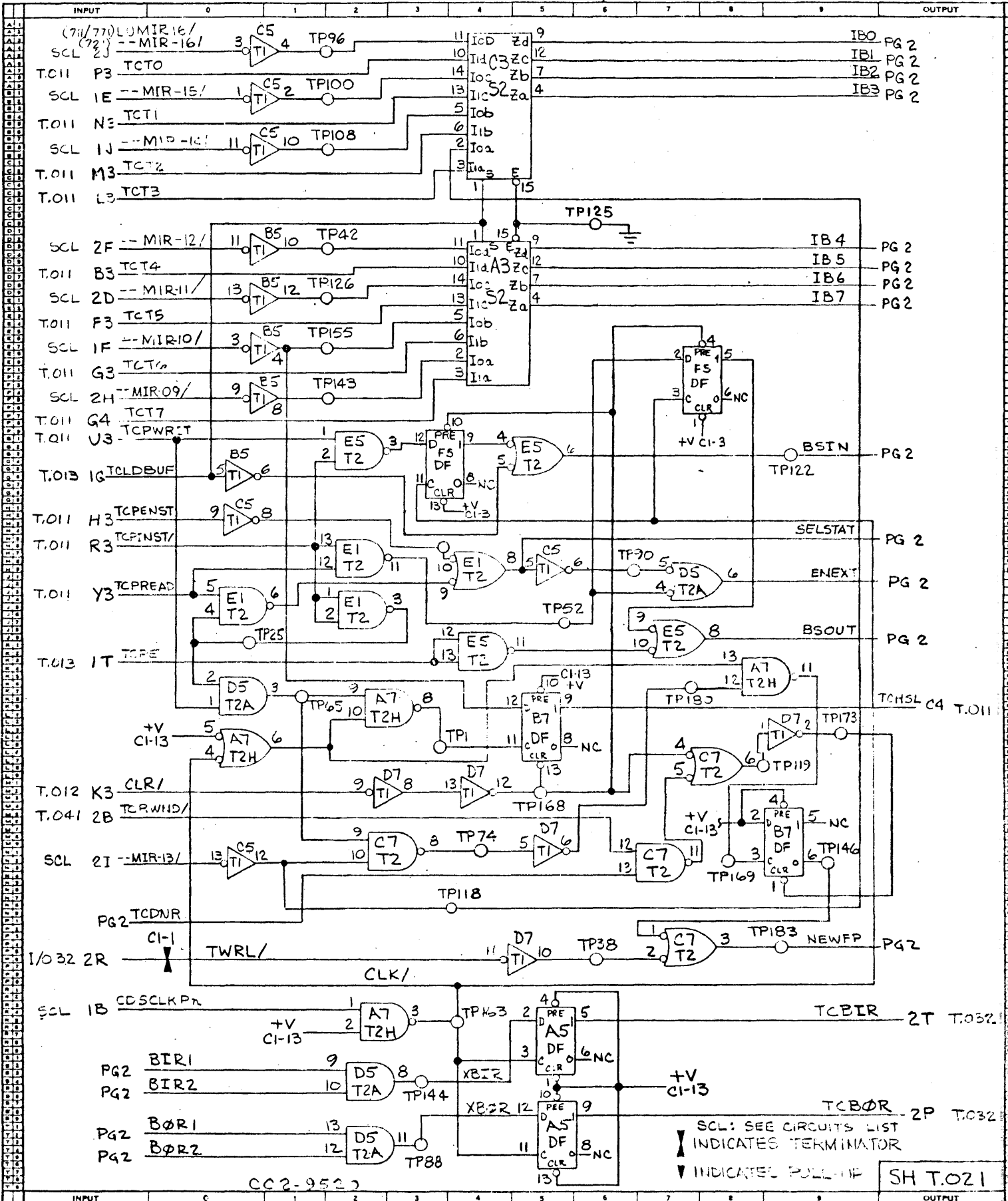
PRODUCTION

TITLE TC1 TAPE CASSETTE 1
 SYSTEM B700
 DRAWN J. INCH
 APPROVED
 RELEASED 10-6-72

CHECKED
 RELEASED

DWG. NO. 1448 9124
 PAGE 3
 REV. LETTER H PER EGN 3505

SCHEMATIC



SCL: SEE CIRCUITS LIST
 ▼ INDICATES TERMINATOR
 ▼ INDICATES PULL-UP

SH T.O.21

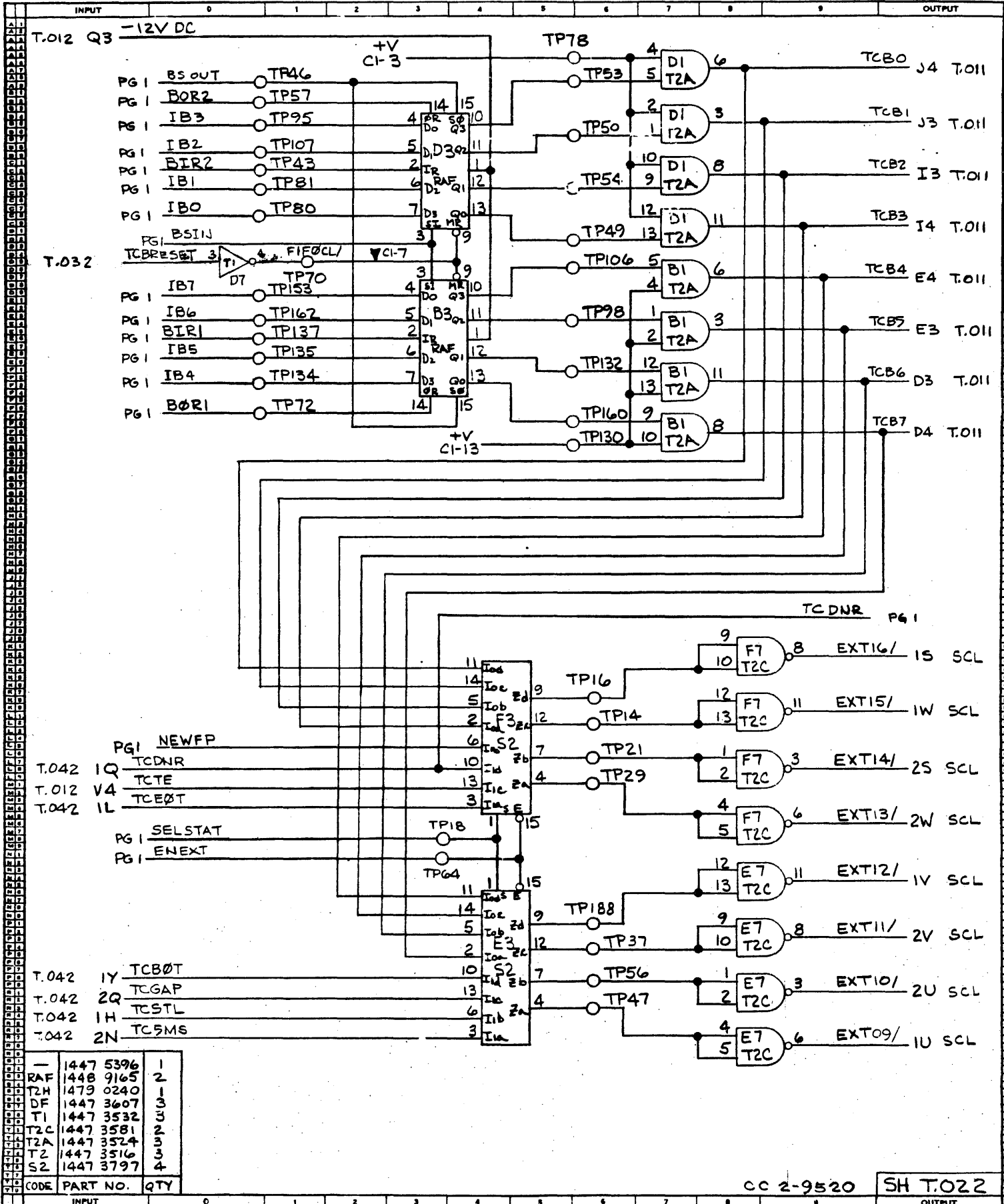
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 MAGNETIC SYSTEMS PLANT, DOWNTOWN, PA 19338
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TITLE TC2 TAPE CASSETTE 2
 SYSTEM B700
 DRAWN R.W. 8-28-72 CHECKED []
 APPROVED B. DIWERMAN RELEASED 10-6-72
 DWG. NO. 1448 9157
 PAGE 1 OF 2
 REV. LETTER G ECN 4662

SH. NO. 1 2
 REV. G G

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SCHMATIC

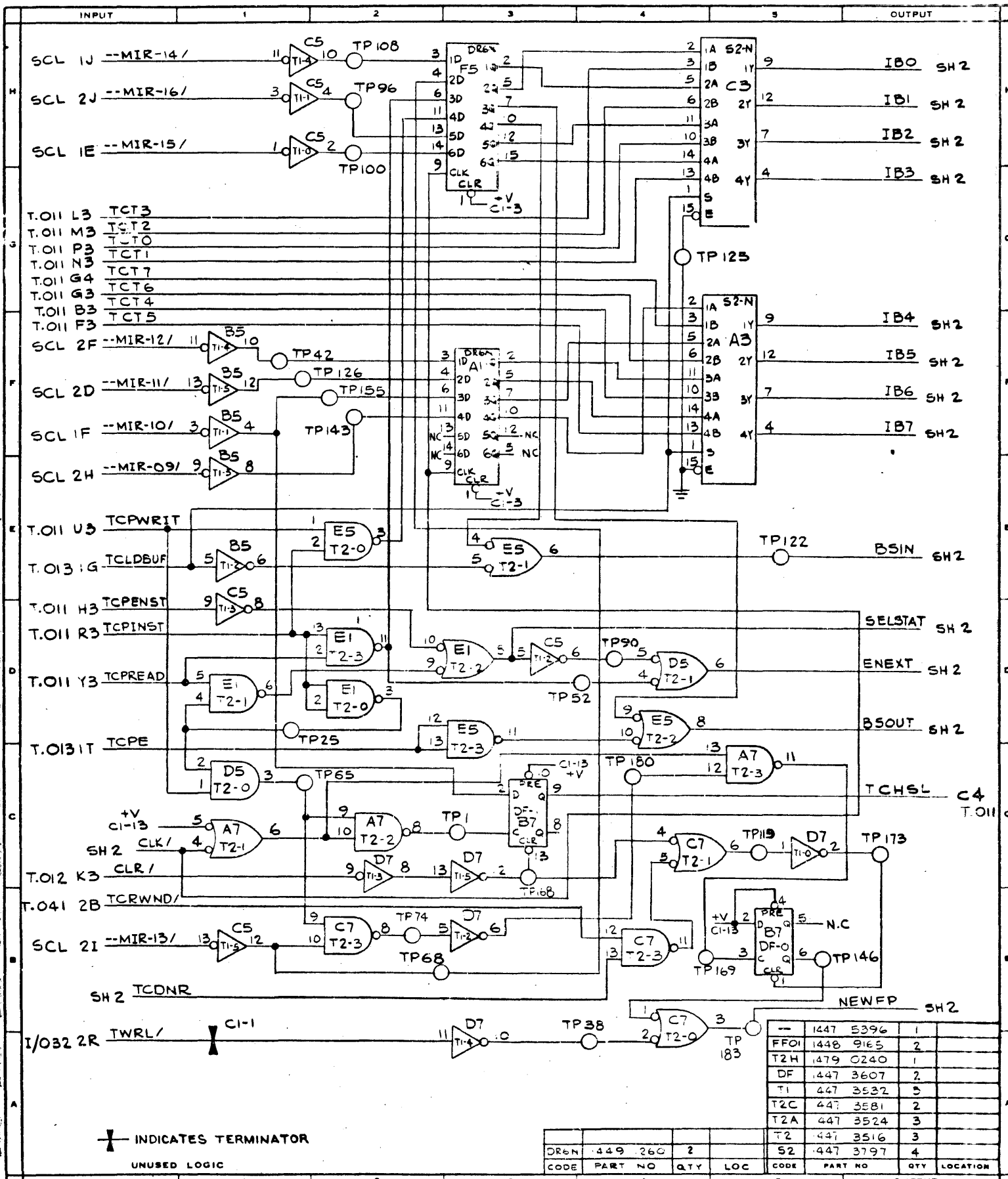


CC 2-9520 SH T.022

Burroughs Corporation
 MAGNETIC SYSTEMS PLANT
 DOWNTOWN, PA 19328

TITLE TC2 TAPE CASSETTE 2
 SYSTEM B 700
 DRAWN R.W. 8-28-72 CHECKED G.C. 8-31-72
 APPROVED B.DINGERMAN RELEASED 10-6-72
 DWG. NO. 1448 9157
 PAGE 2
 REV. LETTER G ECN 4662

PRODUCTION



⊥ INDICATES TERMINATOR

UNUSED LOGIC

DR6N	449	260	2	LOC	DR7N	449	260	2	LOC
52	447	3797	4						

REV	B	B	1	2
SH	1	2		

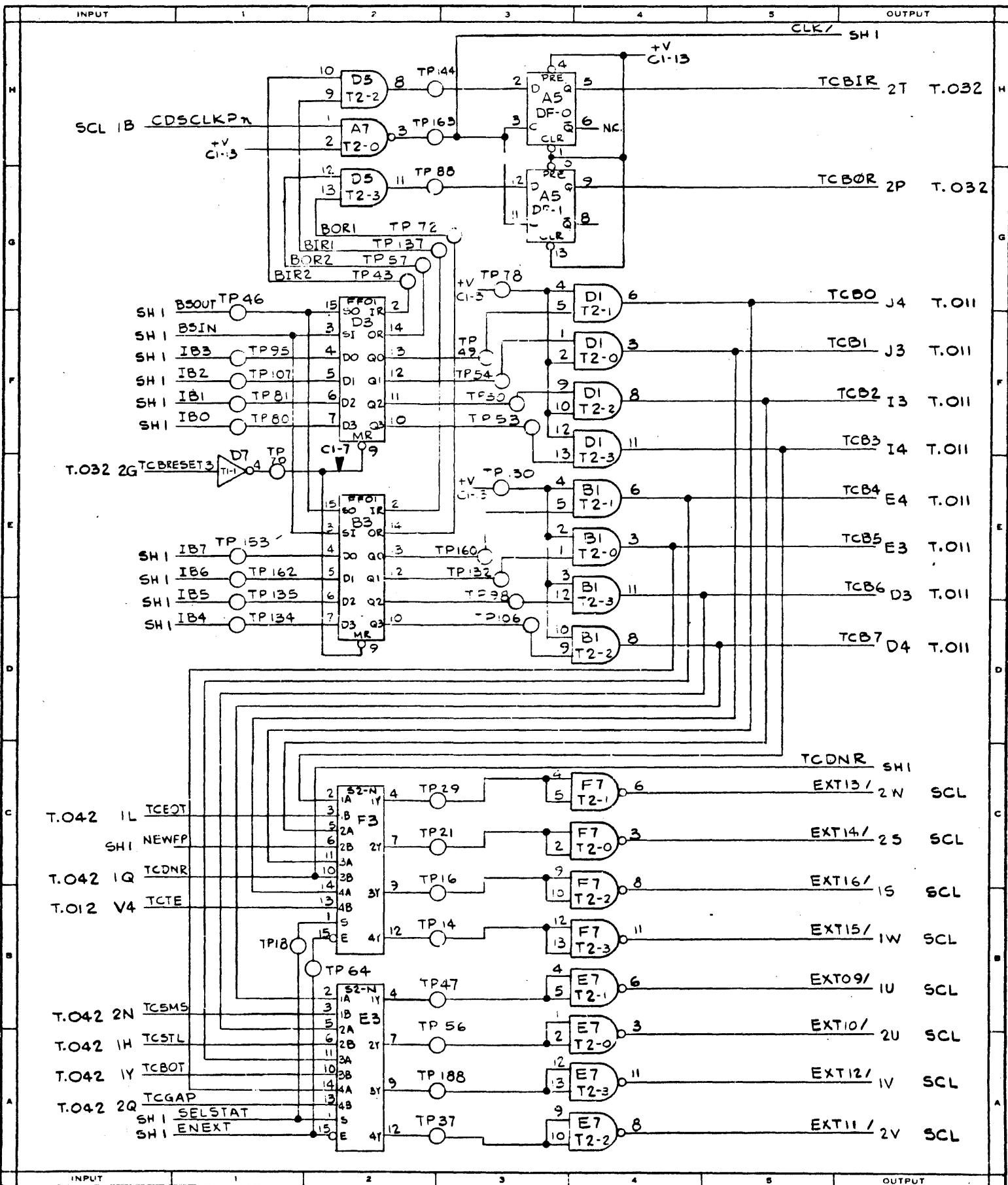
Burroughs Corporation


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

REV	B	B
SH	1	2

DATE	TITLE	CLASS CODE
5-8-76	TC2	2-9520
3-8-76		
	SHEET DWG NO.	PLT NO REV
1 of 2	2607 5572	038 B

259



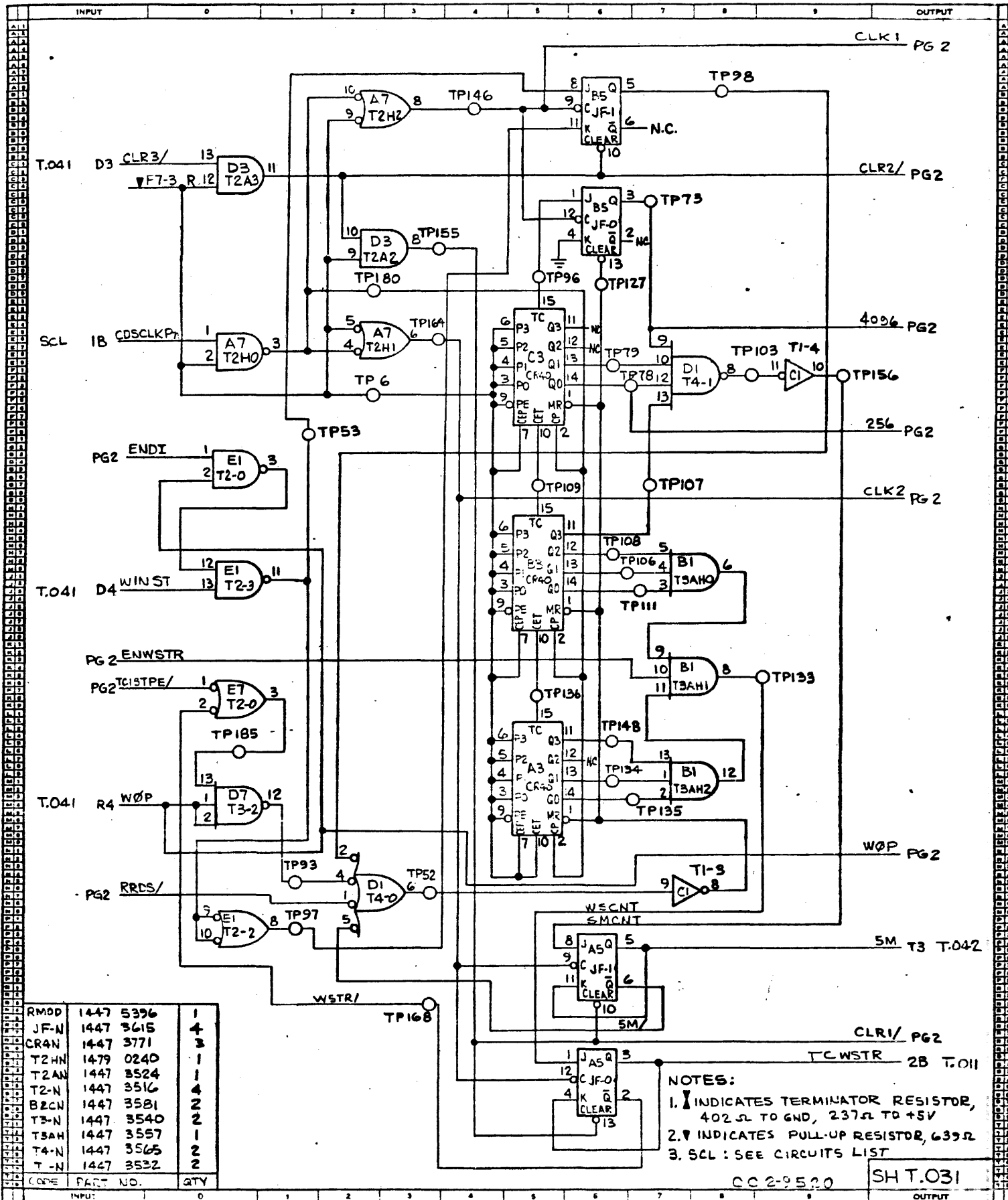
260 Burroughs Corporation 
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 DOWNTOWN PA 19335 U.S. AMERICA

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REVISIONS
 260

TITLE		CLASS CODE	
TC 2		2-9520	
SHEET	DWG. NO.	PLT. NO.	REV.
2	2607 5572	038	B

SCHMATIC



RMDP	1447	5396	1
JF-N	1447	3616	4
CR4N	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

CC 2-9500 SHT.031

NOTES:
 1. I INDICATES TERMINATOR RESISTOR, 402Ω TO GND, 237Ω TO +5V
 2. V INDICATES PULL-UP RESISTOR, 639Ω
 3. SCL : SEE CIRCUITS LIST

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PRODUCTION

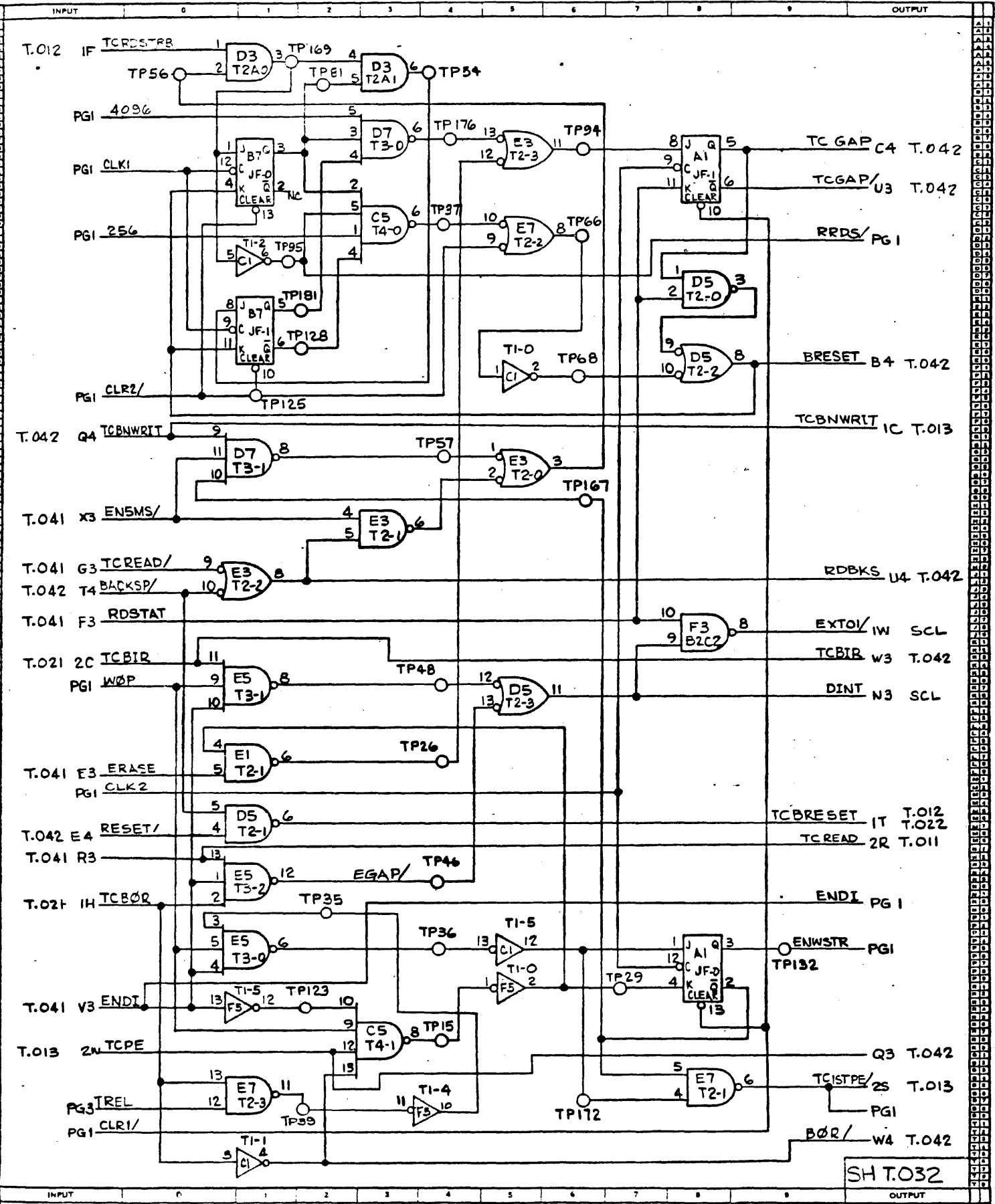
TITLE TCB TAPE CASSETTE 5
 SYSTEM DRAWN 2/11/72
 APPROVED 2/11/72
 CHECKED 2/11/72
 RELEASED 10-6-72
 DWG. NO. 1448 9090
 PAGE 1 OF 3
 REV. LETTER G ECN 5329

SHT	1	2	3
REV	G	G	G

261

1-8 PRINTED IN U.S.A.

SCHMATIC



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PRODUCTION

TITLE TCB TAPE CASSETTE 3
 SYSTEM
 DRAWN BY *11/12* 2/5/72 CHECKED *1/12* 5/11/72
 APPROVED RELEASED 10-2-72

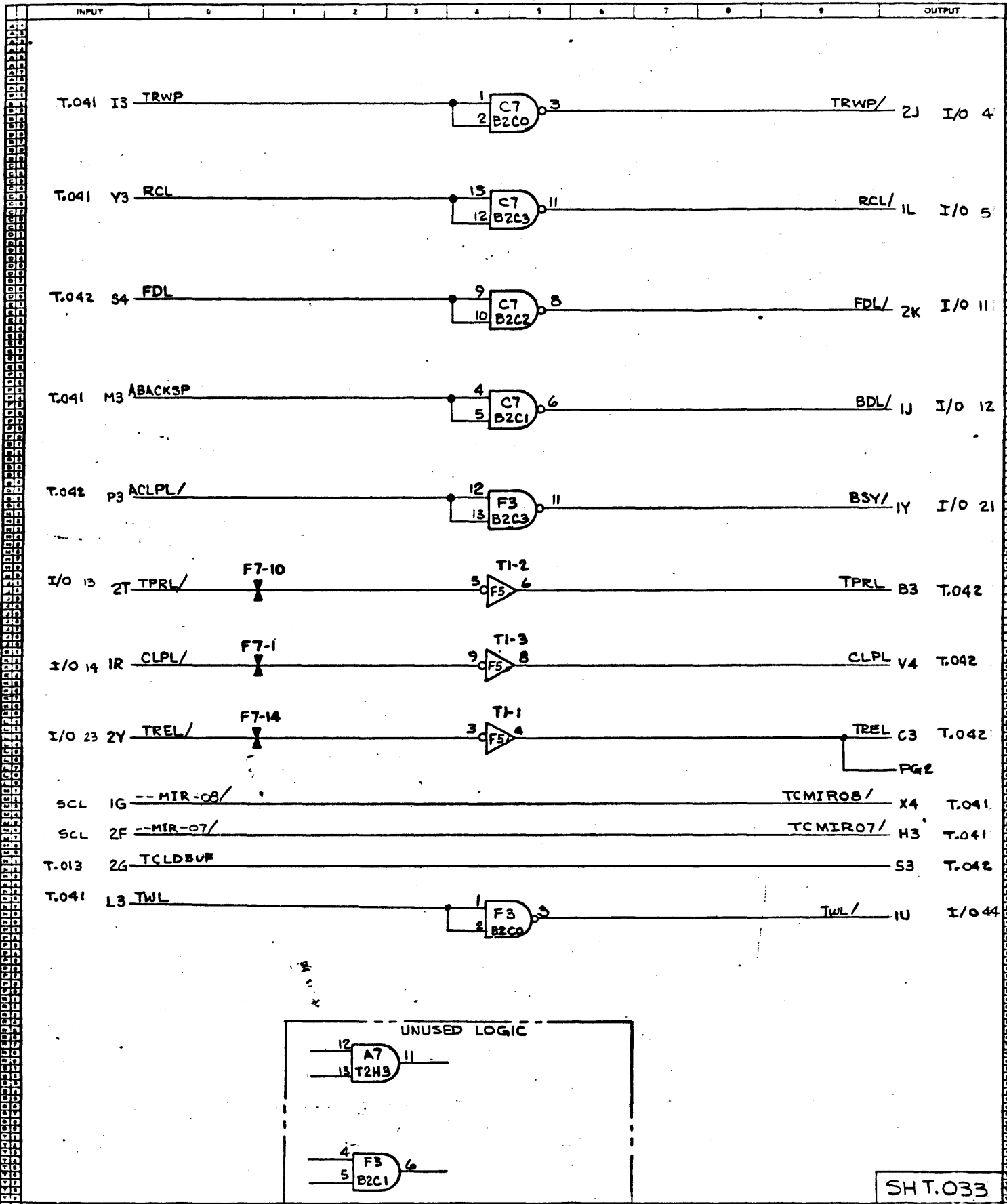
DWG. NO. 1448 9090
 PAGE 2
 REV. LETTER G ECN 5329

262

262

1-7 PRINTED BY U.S. ARMY

SCHMATIC



SHT.033

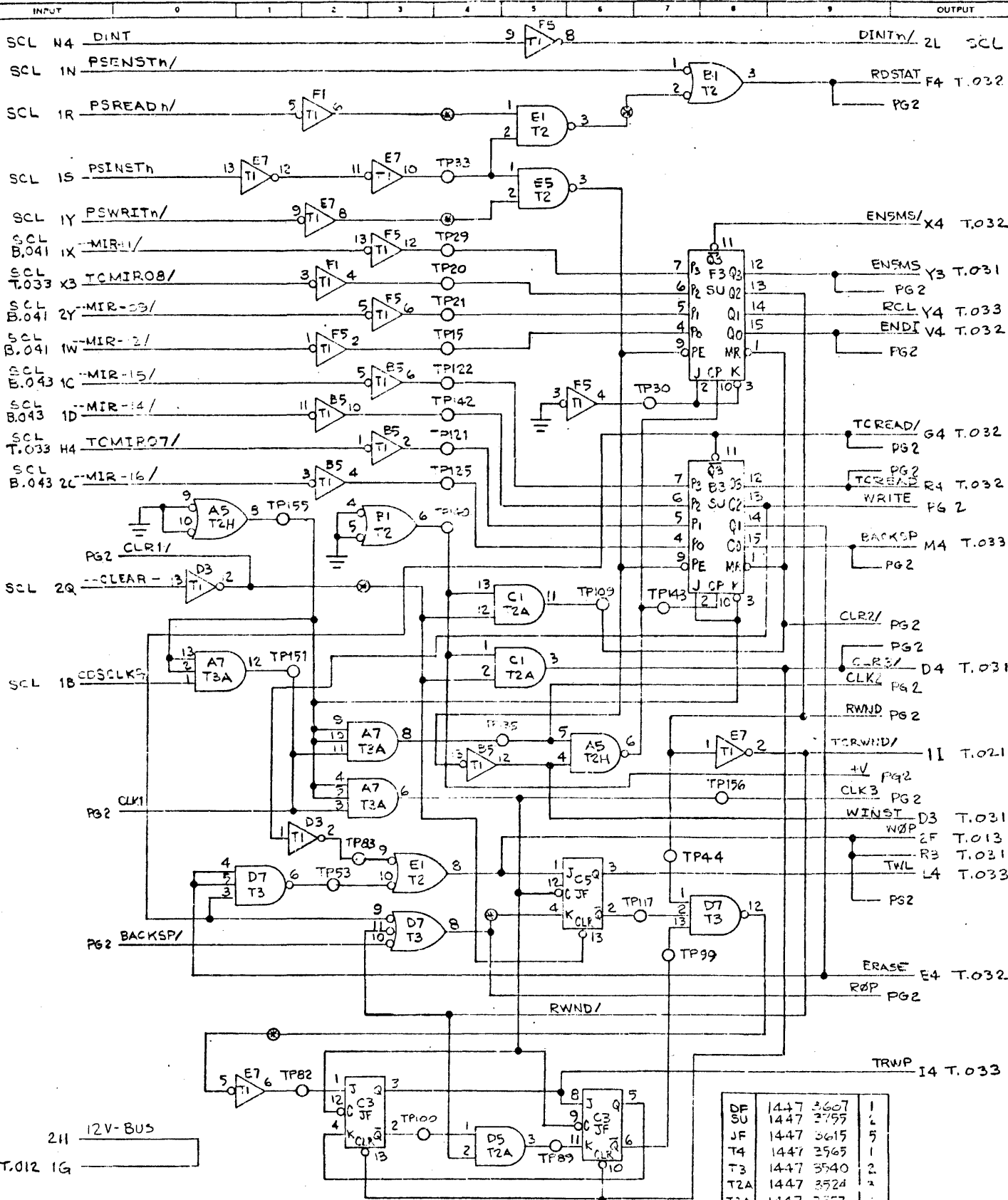
Burroughs Corporation
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 DOWNINGTOWN, PA 19328

PRODUCTION

TITLE TC3 TAPE CASSETTE 3
 SYSTEM DRAWN [Signature] 9/5/72 CHECKED [Signature] 10/2/72
 APPROVED [Signature] 10/2/72 RELEASED [Signature] 10/2/72

DWG. NO. 1448 9030
 PAGE 3
 REV. LETTER GREEN 5329

SCHEMATIC



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

DF	1447	3607	1
SU	1447	3795	1
JF	1447	3615	5
T4	1447	2565	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

UNUSED LOGIC

CC 2-9500

Burroughs Corporation
MAGNETIC SYSTEMS PLANT
DOWNTOWNSHIP, PA 19335

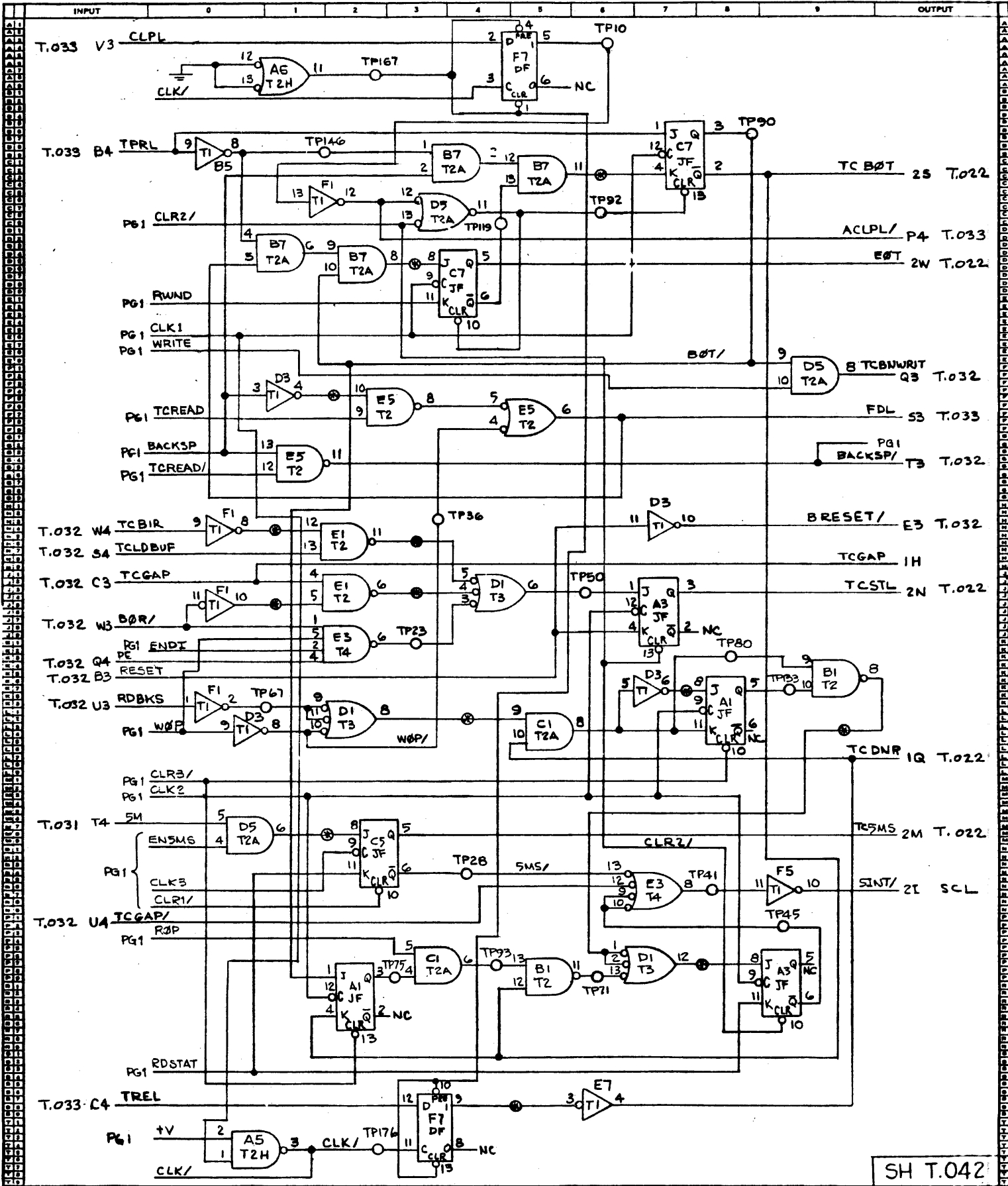
TITLE TCA TAPE CASSETTE 4
SYSTEMS700
DRAWN INCH 8-5 12 CHECKED/ []
APPROVED RELEASED 10-6-72

DWG. NO. 1449 C33A
PAGE 1 OF 2
REV. LETTER G 514624
1-19-72

SHT 1 2
REV G G

264

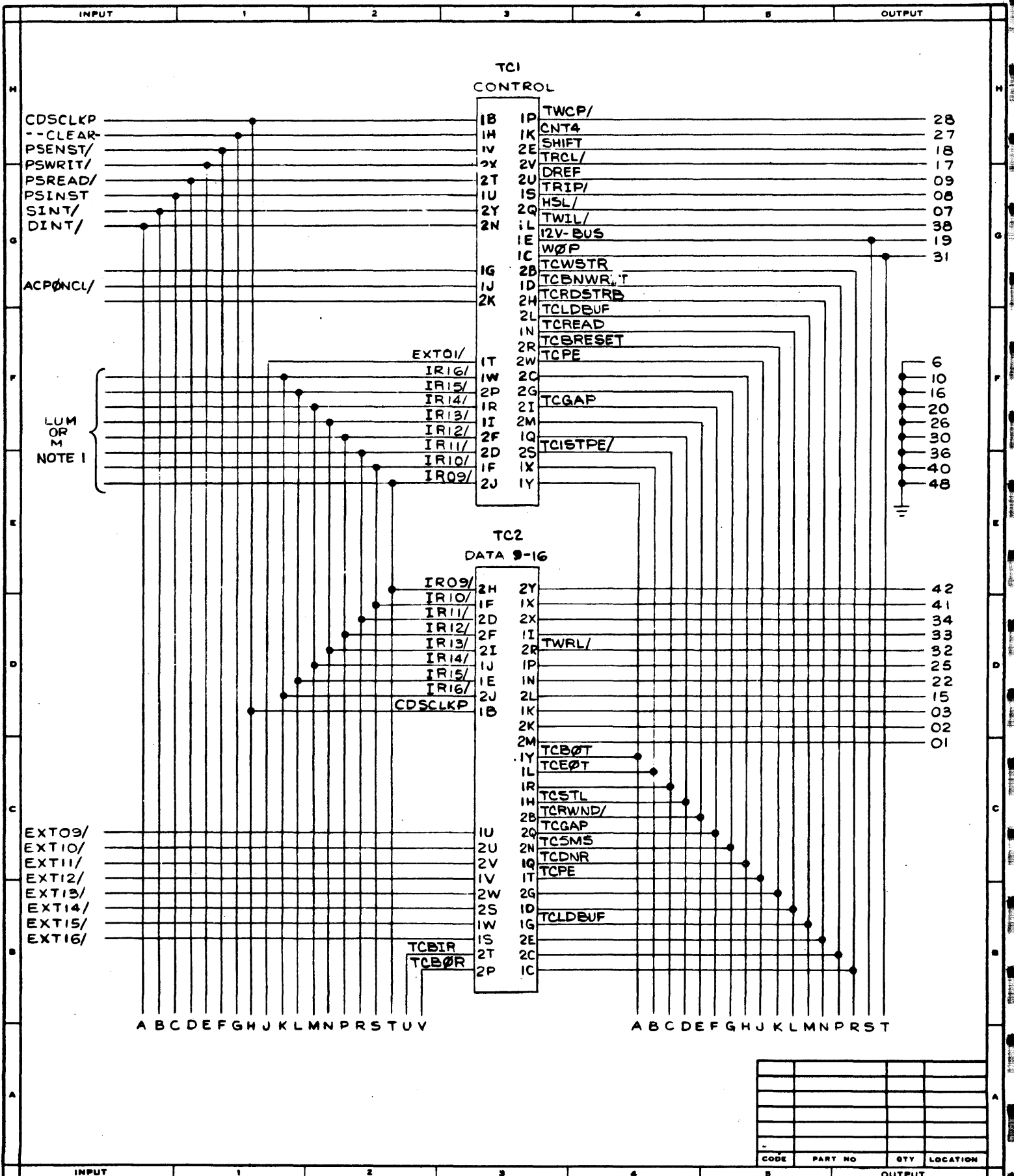
SCHEMATIC



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PRODUCTION

TITLE TC4 TAPE CASSETTE 4
 SYSTEM B700
 DRAWN J. INCH
 APPROVED
 CHECKED *Schlemmer*
 RELEASED 10-6-72
 DWG. NO. 1449 0358
 PAGE 2
 REV. LETTER G PER 644424
 CAZ. 1-19-72
 PRINTED IN U. S. A.



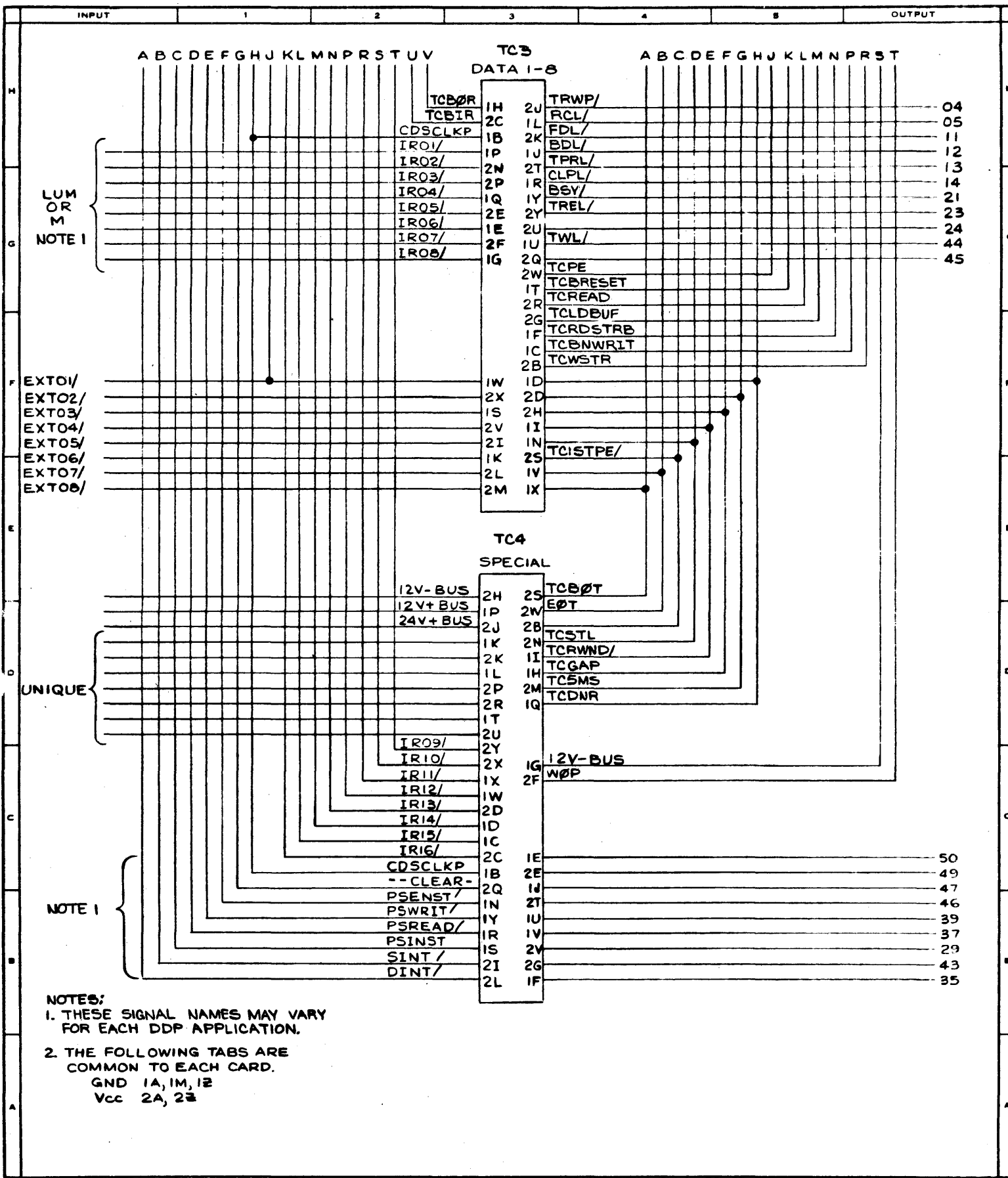
INPUT	1	2	3	4	5	OUTPUT	
REV	AA						
SH	12						
REVISIONS	A						
DATE	1-12-76						
BY	C. ZUTSKI						
DATE	1-20-76						
DATE	3/17/76						
DATE	3-1-76						
TITLE	DDP TC WIRING DIAGRAM					CLASS CODE	2-9520
SHEET	1 of 2					DWG NO.	2606 9700
PLT NO.	038					REV	A

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

APPROVED: E. Raymond
 DATE: 3-1-76

266

PRINTED IN U.S. AMERICA



Burroughs Corporation



COMPUTER SYSTEMS GROUP

DOWNINGTOWN PLANT

DOWNINGTOWN, PENNSYLVANIA 19335

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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>EL109 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 Systems Only	GTB1-A2/A3	+5 VDC
	GTB1-B0/B1	+12 VDC
	GTB1-A7/A8	-12 VDC
All Other Systems	TB8B2	+5 VDC
	TB8B6	+12 VDC
	TB8A4	-12 VDC

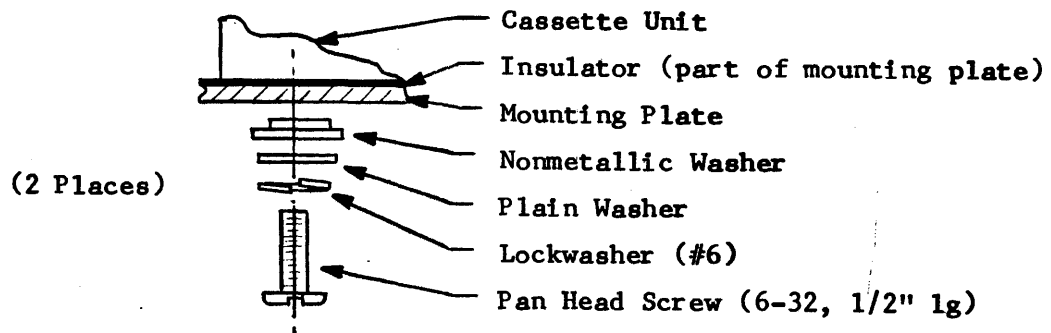
- (e) Secure the 50-pin connector on the other end of cable assembly (1449 0288) to the adapter panel using the pan head screws and washers provided, then connect the free end of the Cassette Tape Drive cable assembly to this connector.
- (f) For B711 and B771 systems only, mark on the connector assignment 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.

DWG NO.
1448 0438

SHEET 2 OF 3

REVISED:
REL. 6-11-73
A ERX 93
B ECR 820 10-16-73 AH
C ECR 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)	IWD5/
1-5		YEL		43	1472 0726		U	(NOTE 2)	EPT/	1-30		BLK		20	—		16		IWD5/ GND
1-6		BLK		48	SEE NOTE 3		17		EPT/ GND	1-31		RED		3	1472 0726		U	(NOTE 2)	IWD6/
1-7		GRAY		50	1472 0726		R	(NOTE 2)	LPD/	1-32		BLK		10	1472 0767		17		IWD6/ GND
1-8		BLK		40	SEE NOTE 4		14		LPD/ GND	1-33		WHT		2	1472 0726		V	(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)	IWD8/
1-11		GRAY		39	1472 0726		C	(NOTE 2)	SFC/	1-36		BLK		6	SEE NOTE 6		10		IWD8/ 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)	IRD1/
1-17		GRN		31	1472 0726	J102	C	(NOTE 2)	WARS/	1-42		BLK		48	SEE NOTE 3		A		IRD1/ GND
1-18		BLK		36	SEE NOTE 5		3		WARS/ GND	1-43		RED		28	1472 0726		3	(NOTE 2)	IRD2/
1-19		GRAY		34	1472 0726		M	(NOTE 2)	IWDO/	1-44		BLK		26	1472 0767		C		IRD2/ GND
1-20		BLK		40	SEE NOTE 4		11		IWDO/ GND	1-45		RED		27	1472 0726		4	(NOTE 2)	IRD1/
1-21		GRN		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, 1-14, 1-38 & 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.

002-7033

DRAWN	DATE
A. HARVEY	5 11 73
CHECKED	DATE
<i>[Signature]</i>	5-22-73
DSGNR ENGR	DATE
<i>[Signature]</i>	5/22/73
APPROVED	DATE
<i>[Signature]</i>	5/22/73

Burroughs Corporation
SMALL SYSTEMS PLANT
DOWNTOWN, PA 16330, U.S.A.

TITLE
WIRE LIST
CABLE ASSEMBLY, MAGNETIC TAPE UNIT

SHEET 2 OF 3 DWG NO 1448 0438

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272


DWG NO. 1448 0438
 SHEET 3 OF 3
 RECEIVED
 A REL. 4-11-73
 B REL. 9-3
 C ECN 3500 SMTZ 11-10-74
 [Signature]

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 2)	IRD5/	2-28											
2-4		BLK		6	SEE NOTE 6		S		IRD5/ GND	2-29											
2-5		WHT		7	1472 0726		17	(NOTE 2)	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:

CC 2-7033

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

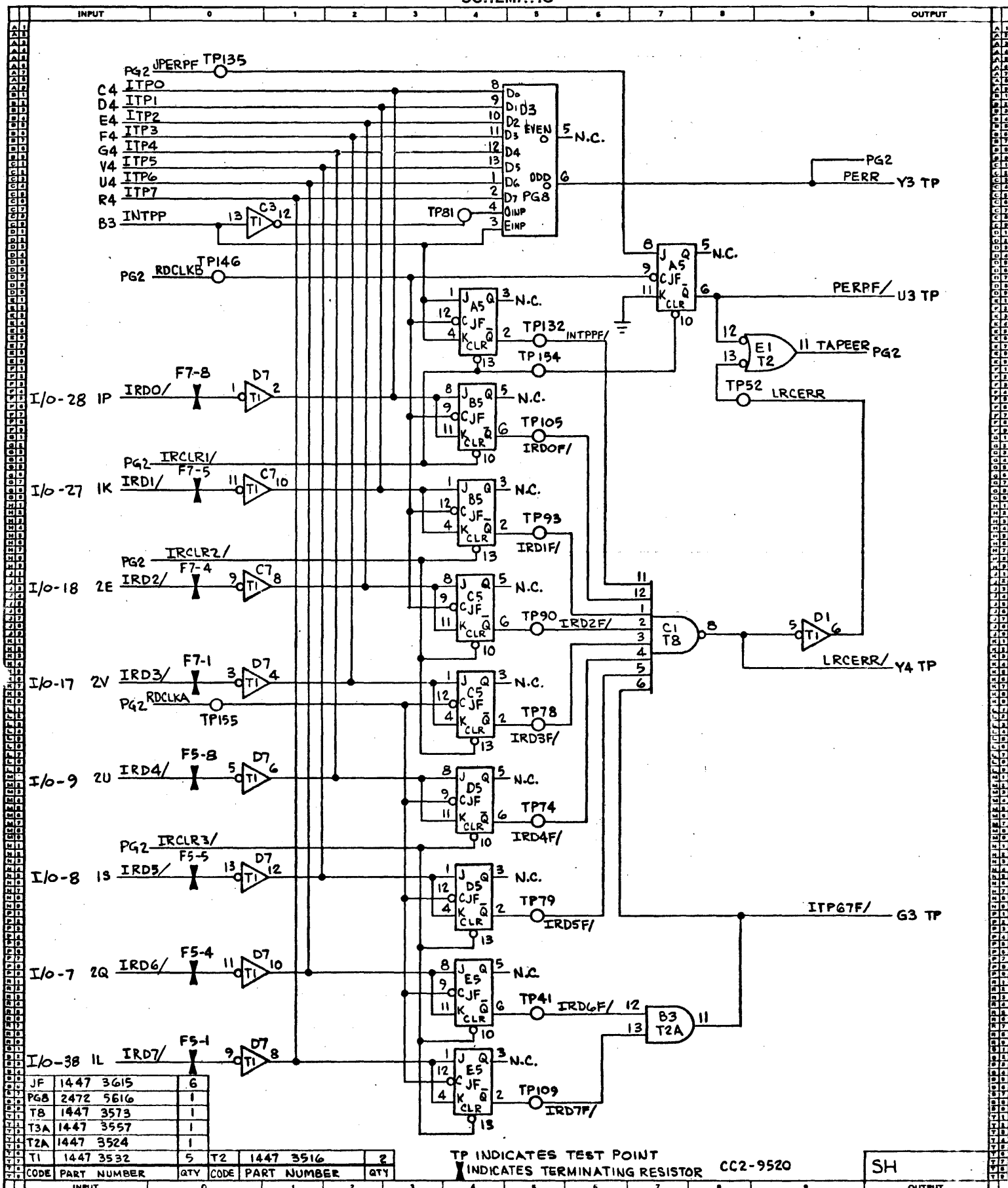
Burroughs Corporation 
 SMALL SYSTEMS PLANT
 DOWNINGTOWN, PA. 19338, U. S. AMERICA

TITLE
 WIRE LIST
 CABLE ASSEMBLY, MAGNETIC TAPE UNIT

SHEET 3 OF 3
 DWG NO 1448 0438

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272



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
T1	1447 3532	5	T2	1447 3516	2

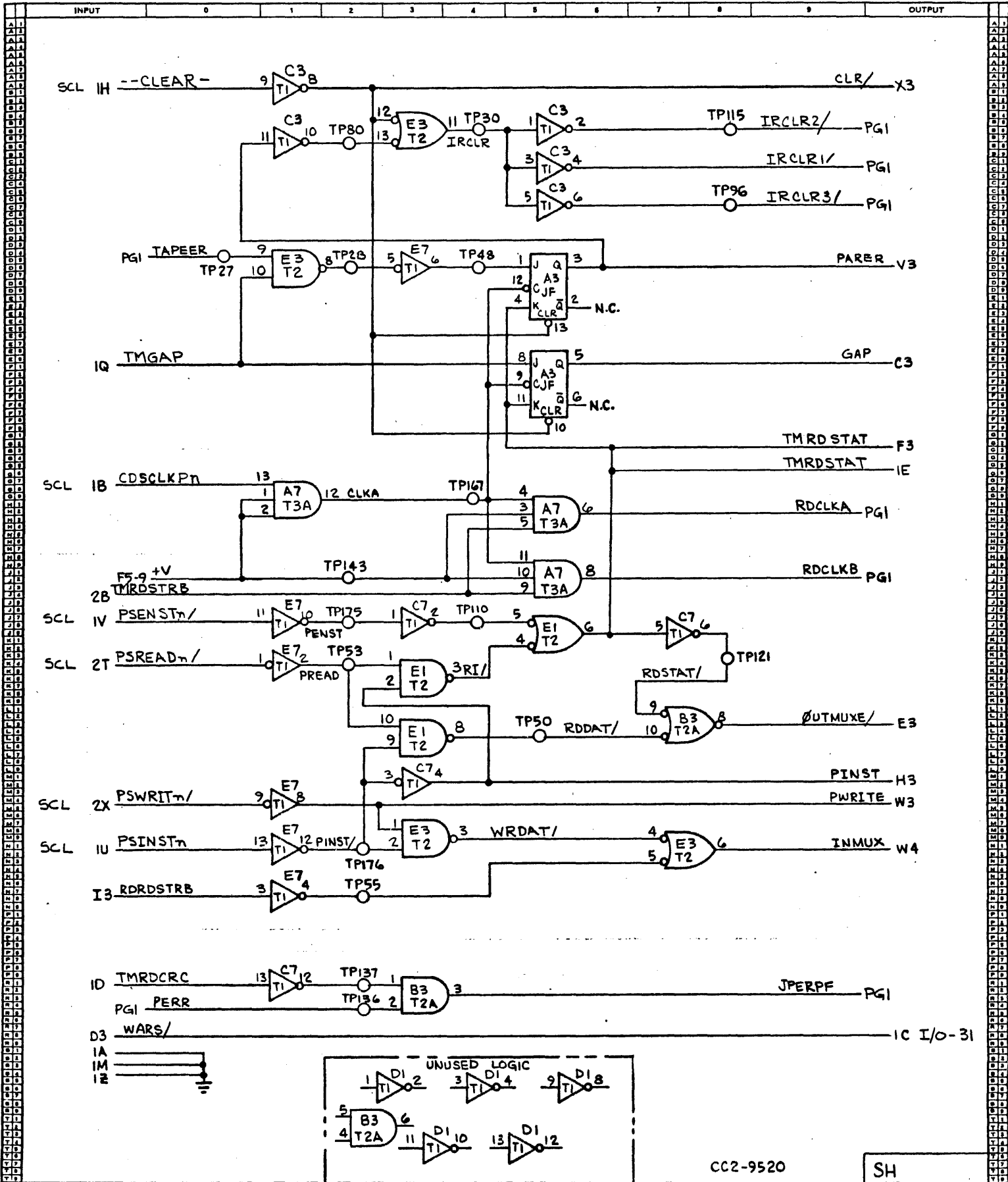
TP INDICATES TEST POINT
 TI INDICATES TERMINATING RESISTOR CC2-9520

SH

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TITLE TMI SYSTEM
 DRAWN P. K. ... 3/22/73 CHECKED J. Schlemmer
 APPROVED S. DIMERMAN RELEASED M. ...
 DWG. NO. 1448 181G PAGE 1 OF 2
 REV. LETTER B EGN 5008
 12-19-73 L-111-74 11-0 74 APT. SMT. 2

SCHEMATIC

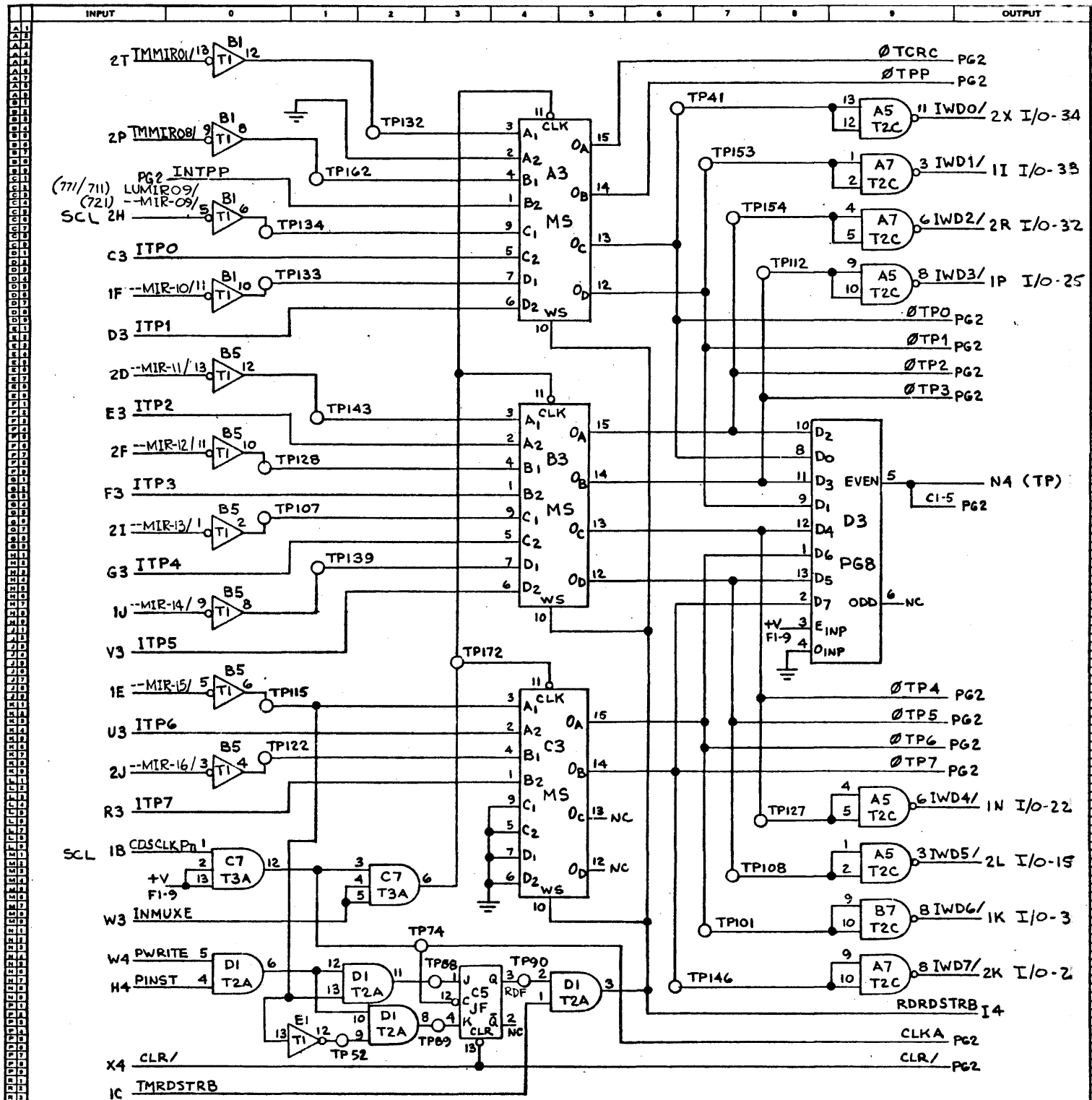


CC2-9520

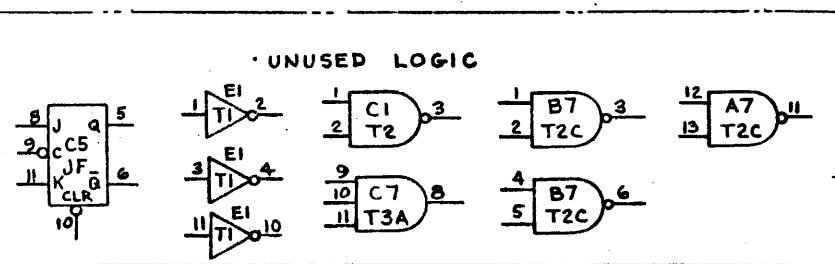
SH

Burroughs Corporation
 MAGNETIC SYSTEMS PLANT DOWNINGTOWN, PA 19330
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TITLE TMI SYSTEM
 DRAWN *PS. 11/27/73* CHECKED *Lehman* DWG. NO. 1448 1816
 APPROVED B. DINERMAN RELEASED *6-11-73* PAGE 2
 REV. LETTER B ECN 5503
 11-18-74 APT



PG8	1447 5396	1
MS	2472 5416	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

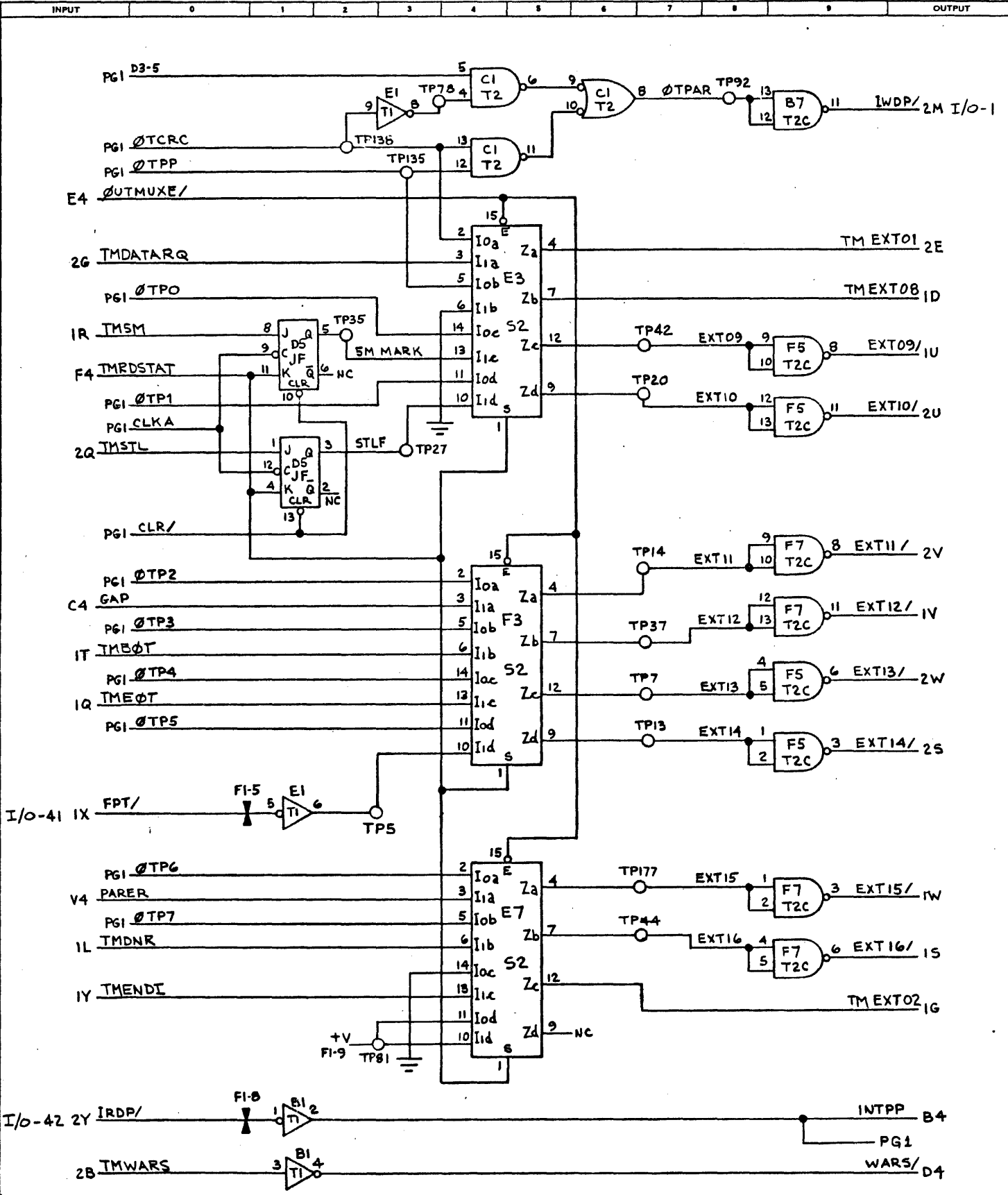


TP INDICATES TEST POINT.
 X INDICATES TERMINATOR RESISTOR

CC2-9520 SH

INPUT	0	1	2	3	4	5	6	7	8	9	OUTPUT
Burroughs Corporation											
MAGNETIC SYSTEMS PLANT DOWNTOWN, PA 19338											
<small>PROPERTY OF BURROUGHS CORP. - NOT TO BE REPRODUCED NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT</small>											
TITLE TM2 MAGNETIC TAPE						SYSTEM 8711			DRAWN C.L.BISCHOFF		
APPROVED						CHECKED <i>Rue</i>			DWG. NO. 1448 1824		
						RELEASED <i>in My hand</i>			PAGE 1 OF 2		
						6-11-73			REV. LETTER B ECN 3508		
									11-18-74 AFT		
PRINTED IN U. S. AMERICA											

SCHEMATIC



CC2-9520

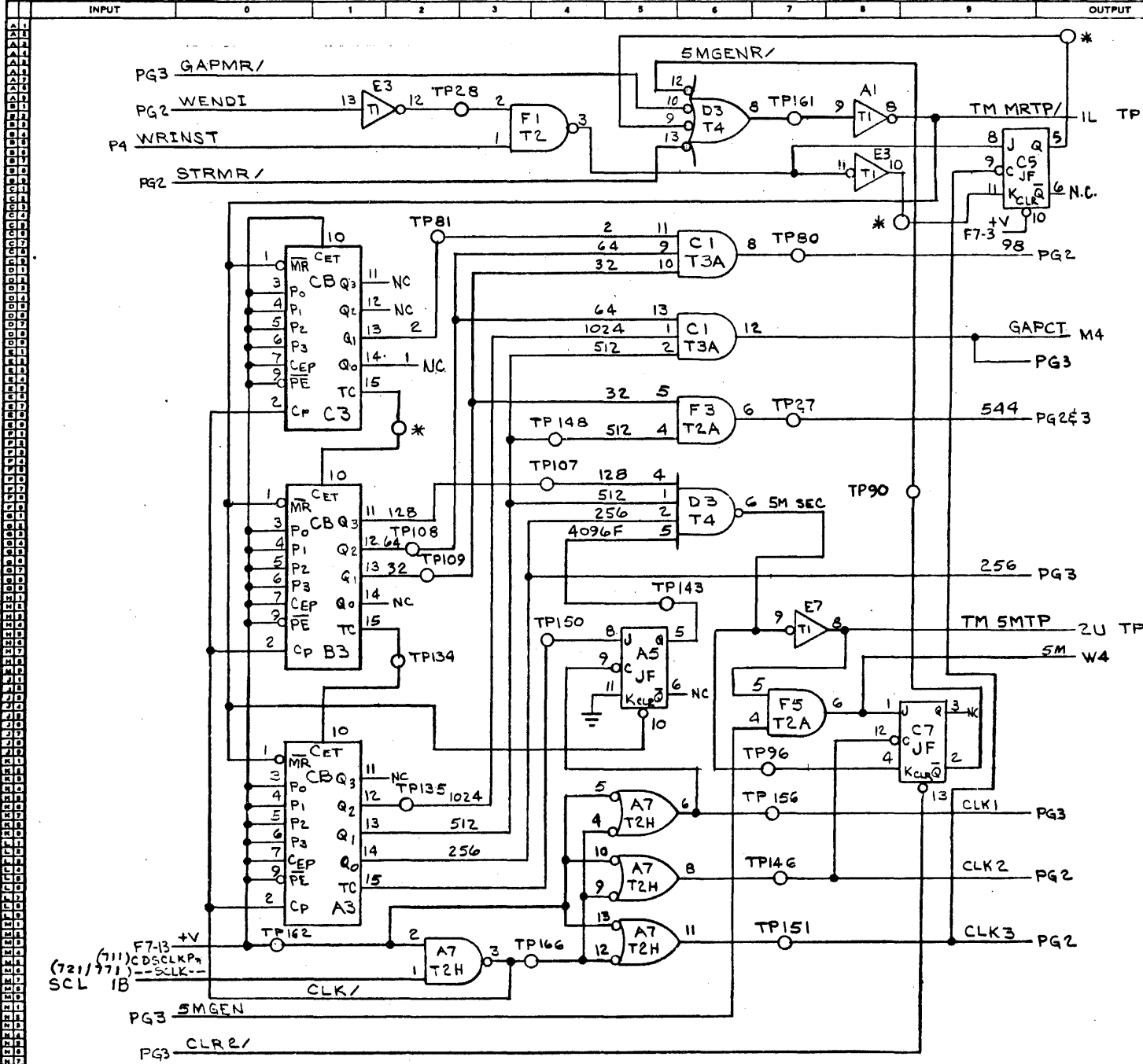
SH

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TITLE TM2 MAGNETIC TAPE
 SYSTEM B711
 DRAWN C.L. BISCHOFF
 APPROVED
 CHECKED *R. W. ...*
 RELEASED *6-11-78*
 DWG. NO. 1448 1824
 PAGE 2
 REV. LETTER B ECN 3508
 11-18-79 AFT

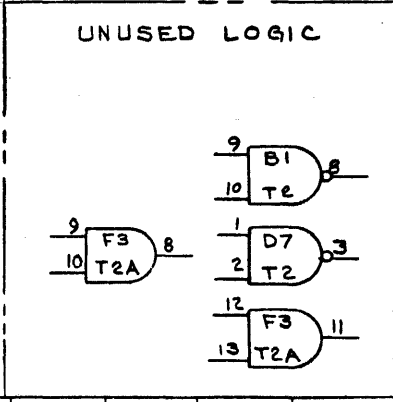
PRINTED IN U. S. AMERICA

SCHEMATIC



NOTES

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



CB	447 3771	3
JF	1447 3615	7
T4	1447 3565	2
T3A	1447 3557	1
T3	1447 3540	1
T2H	1479 0240	1
T2A	1447 3524	2
T2	1447 3516	3
T1	1447 3532	3

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

CC2-9520

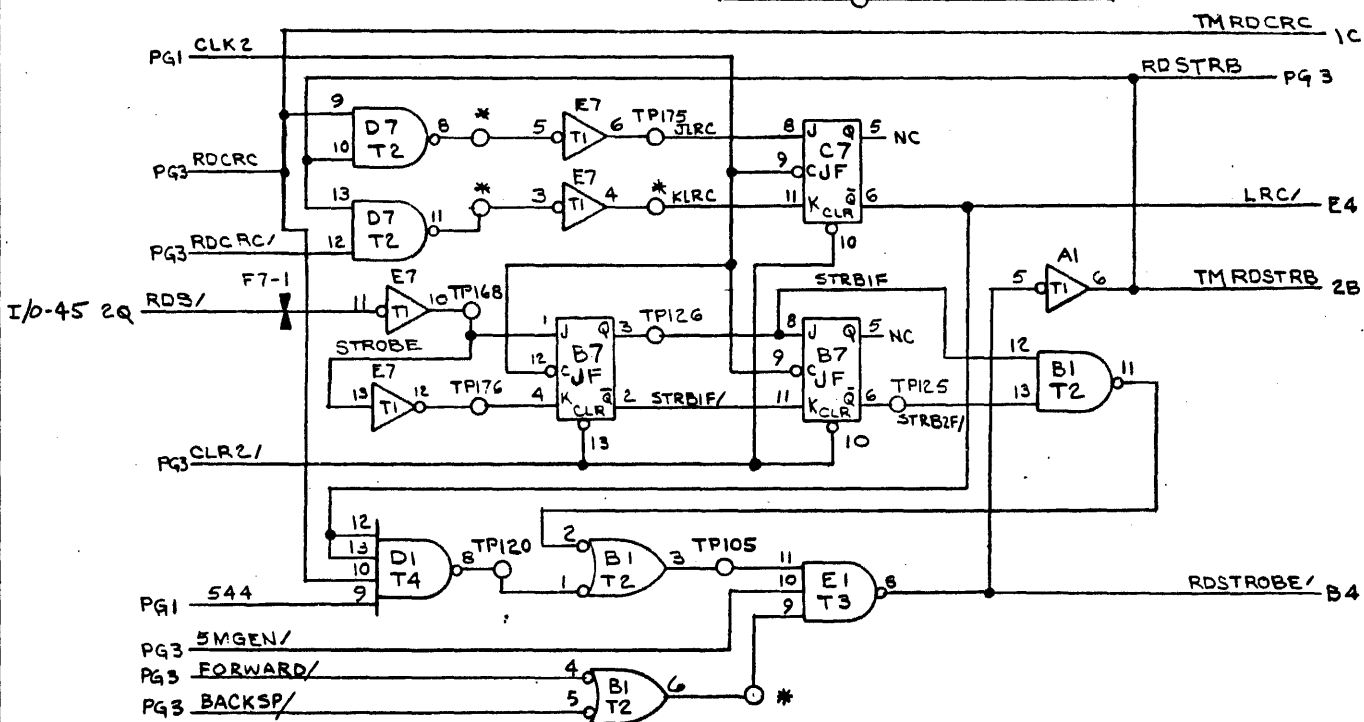
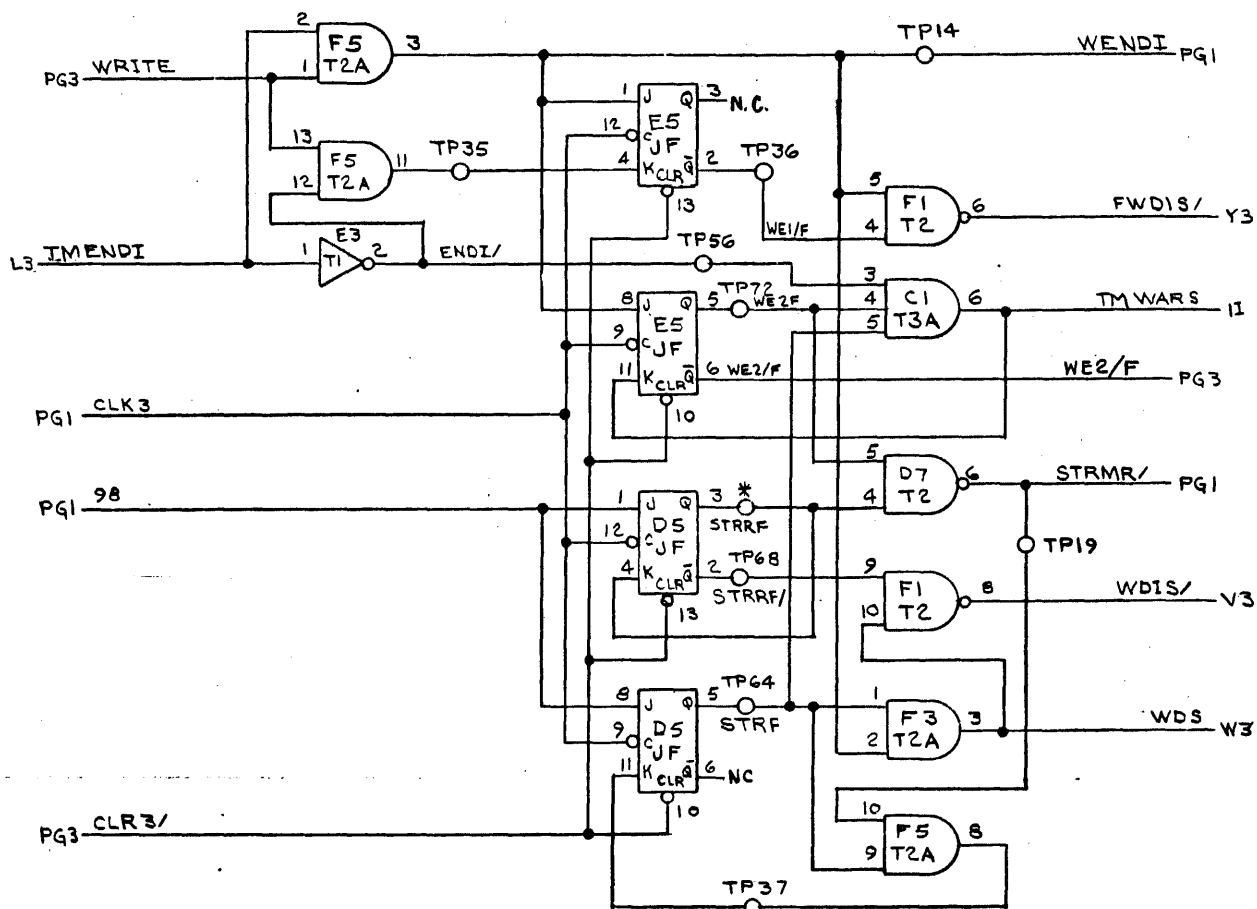
SH

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TITLE **TM3**
 SYSTEM
 DRAWN J. BOERR 26 MAR 73 CHECKED *J. Schlemmer* DWG. NO. **1448 1832**
 APPROVED RELEASED *J. Schlemmer* PAGE 1 OF 3
 6-11-73 REV. LETTER C PER 1448 1832
 SH 123 11-15-74 AFF

SCHMATIC

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



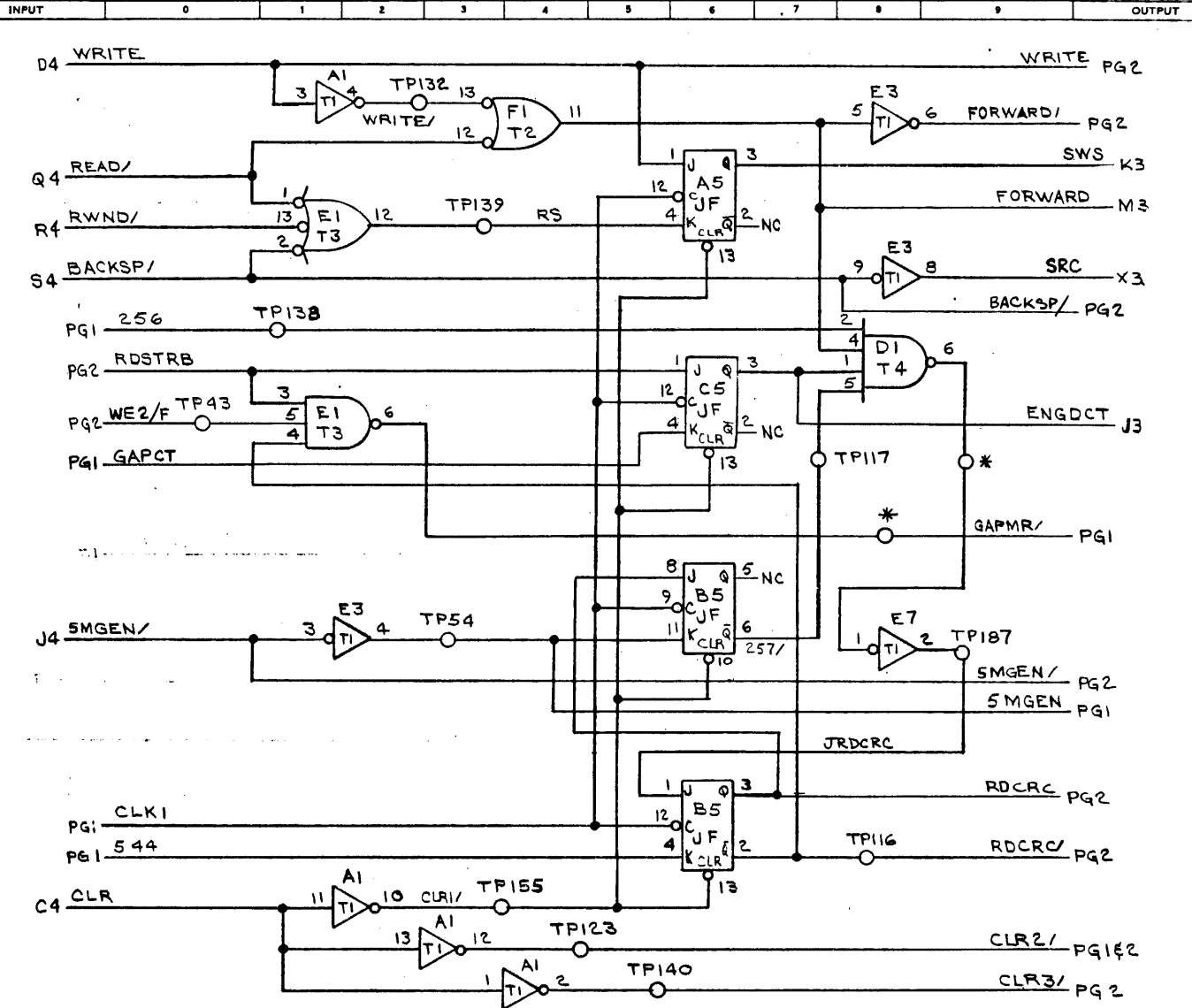
INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

SH

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TITLE **TM3**
 SYSTEM
 DRAWN J. DOERR 27MAR73 CHECKED *J. Sedham* DWG. NO. 1448 1832
 APPROVED RELEASED *27 MAR 73* PAGE 2
 REV. LETTER A

SCHEMATIC



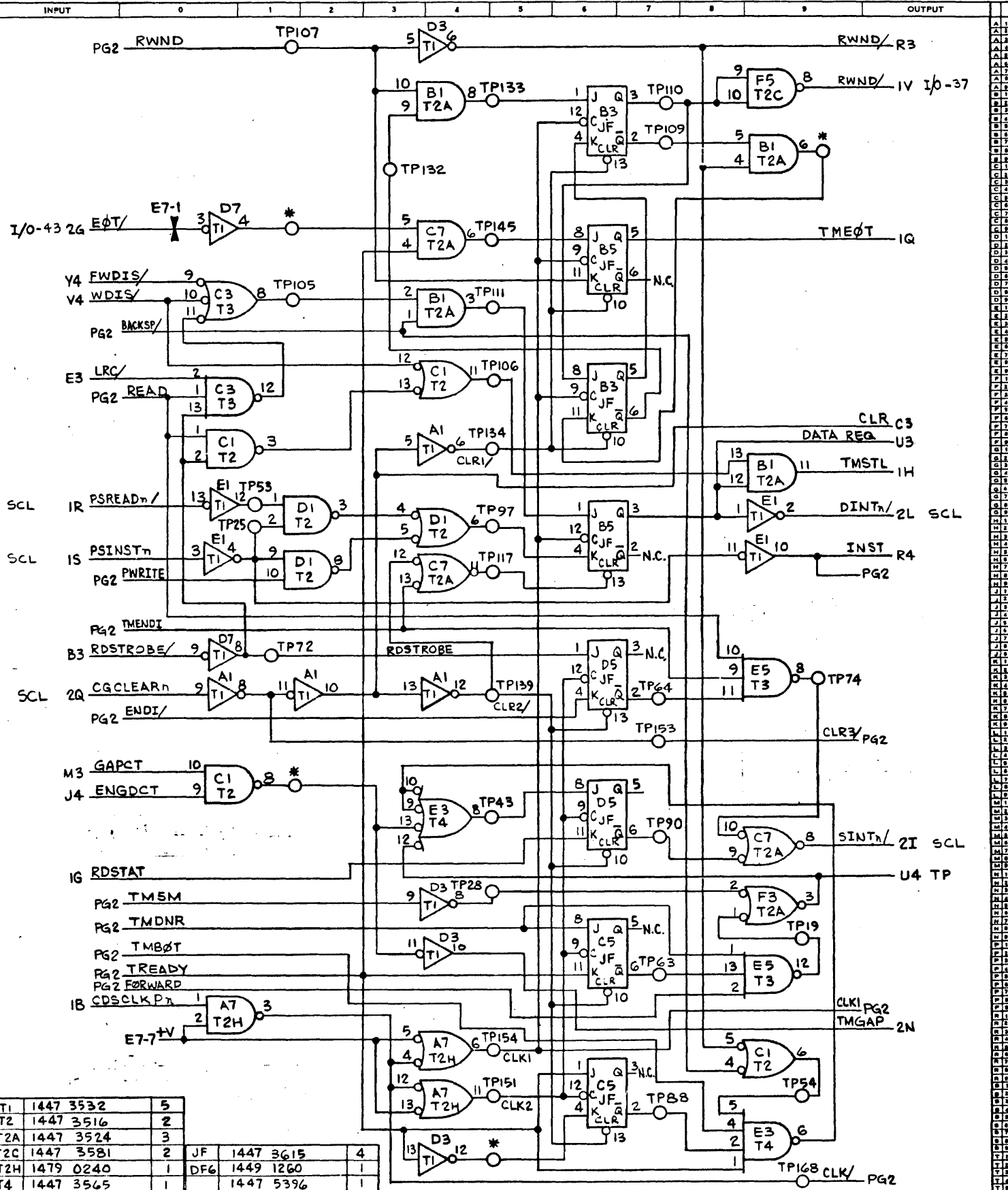
(721/771)--MIR-01/	
(711) LUMIRO1/	TM MIRO1/ 2C
IB	
1G --MIR-08/	TM MIROB/ 1H
V4 EXT01/	EXT01/ 1W
N3 EXT08/	EXT08/ 2M
Y4 EXT02/	EXT02/ 2X
1F TMEXT01	TM EXT01 Q3
2R TMEXT08	TM EXT08 T3
26 TMEXT02	TM EXT02 F4
U4 DATAREQ	TMDATAREQ 1T
X4 BØT	TM BØT 2W

SH

Burroughs Corporation
 MAGNETIC SYSTEMS PLANT
 DOWNTOWN, PA 19328

TITLE **TM3**
 SYSTEM
 DRAWN J. DOEARR (SMART) CHECKED *[Signature]* DWG. NO. 1448 1832
 APPROVED *[Signature]* RELEASED *[Signature]* PAGE 3
 REV. LETTER C ECN 3508
 6-11-73 11-18-74 AF

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

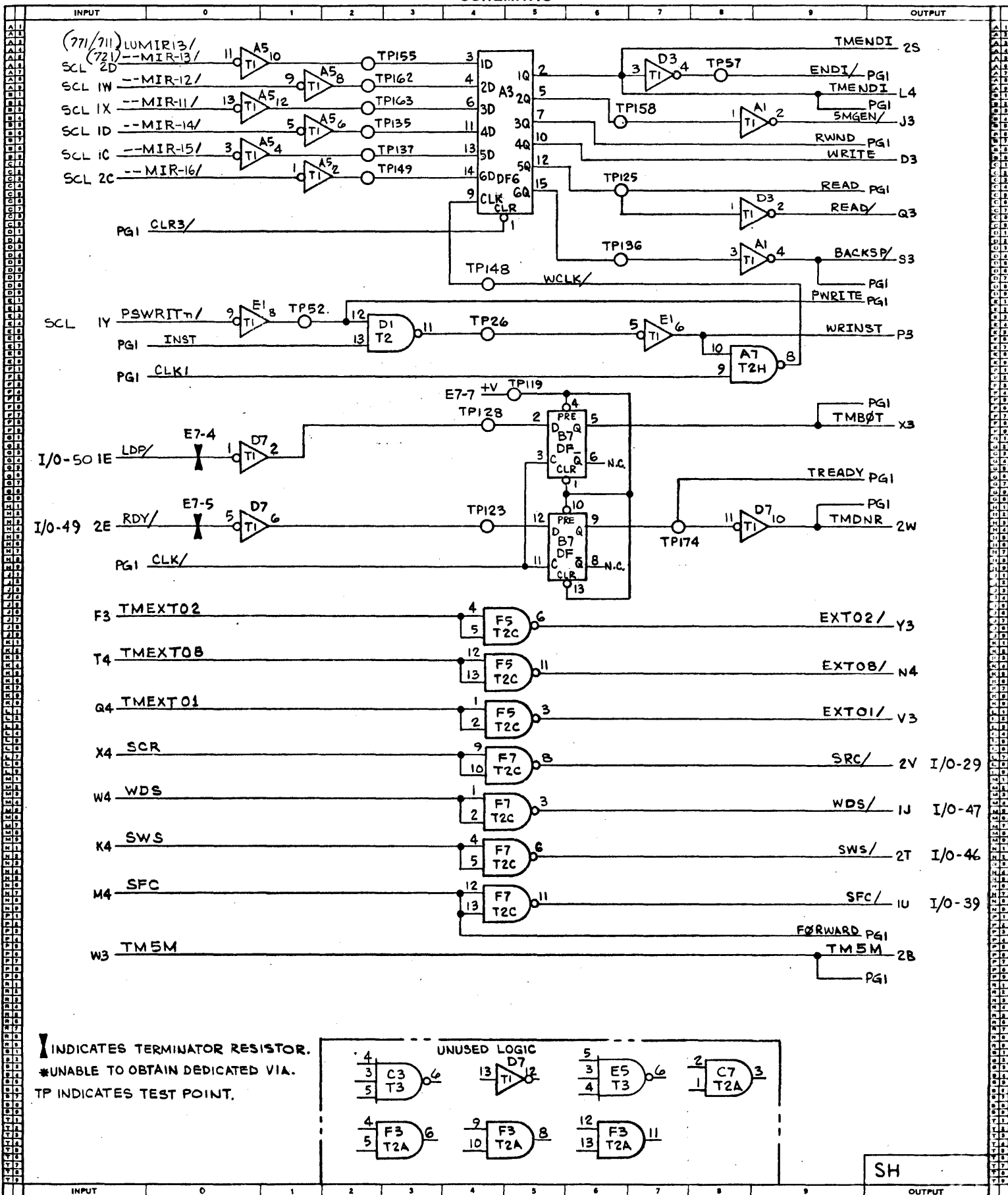
CC2-9520

SH

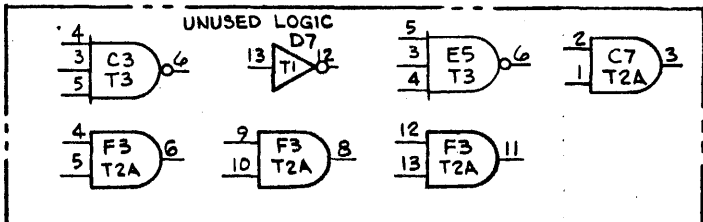
Burroughs Corporation
 MAGNETIC SYSTEMS PLANT
 DOWNINGTOWN, PA 19338

TITLE TM4
 SYSTEM
 DRAWN *R. Diner* 3/29/72 CHECKED *J. Klemm*
 APPROVED B. DINERMAN 12-19-72 RELEASED *2008*
 DWG. NO. 1448 2582
 PAGE 1 OF 2
 REV. LETTER B ECN 3508
 11-16-74 AET

SCHMATIC



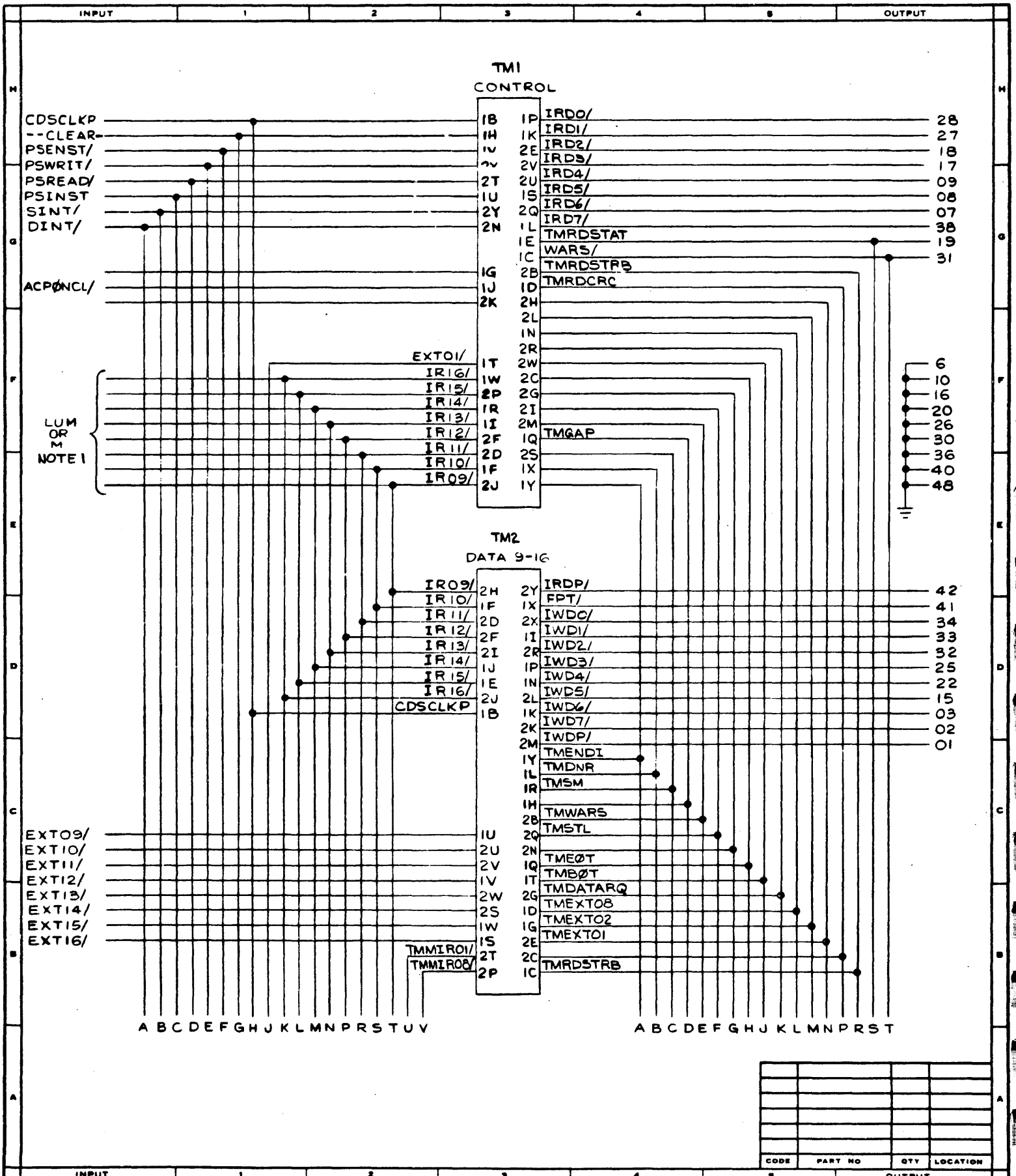
INDICATES TERMINATOR RESISTOR.
 *UNABLE TO OBTAIN DEDICATED VIA.
 TP INDICATES TEST POINT.

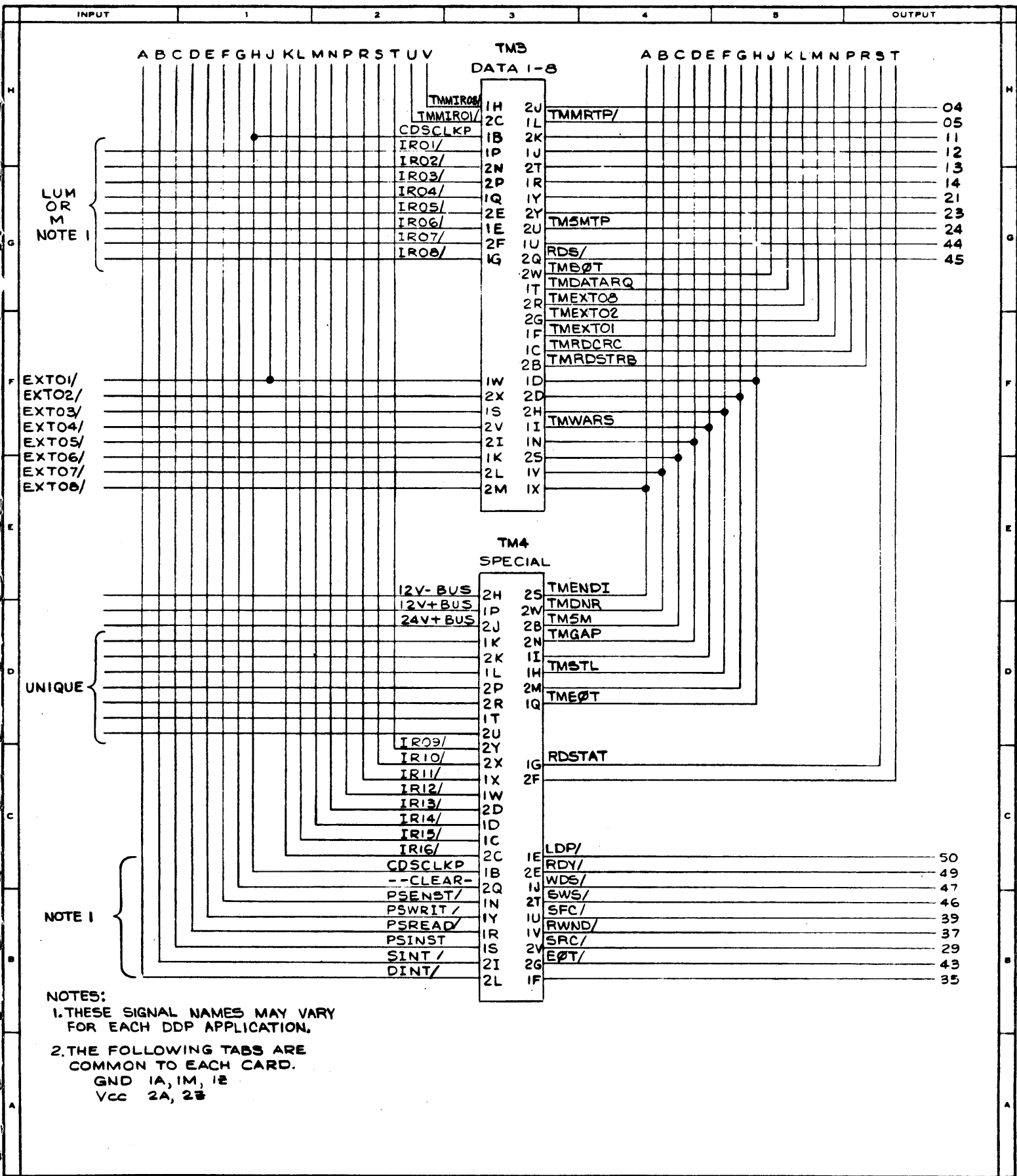


SH

Burroughs Corporation
 MAGNETIC SYSTEMS PLANT
 DOWNTOWN, PA 19338

TITLE TM4
 SYSTEM
 DRAWN P.L. 3/29/72 CHECKED J. Leblanc
 APPROVED B. DINERMAN RELEASED 7/11-73
 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
DOWNTOWN PLANT
DOWNTOWN, 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. Swanson</i> <i>WJS</i>

2606 3974

284



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.

WIRE NO.	CONDUCTOR		FROM		TO		REMARKS	WIRE NO.	CONDUCTOR		FROM		TO		REMARKS
	SIZE	COLOR	PART REF DES	TERMINAL	PART REF DES	TERMINAL			SIZE	COLOR	PART REF DES	TERMINAL	PART REF DES	TERMINAL	
1	26	RED	P1	3	P2	50	PCOP/	26	26	RED	P1	39	P2	41	FEEDS
2				4		49	PCOPA/	27				46		25	+24V
3				1		47	PCIP/	28				40		12	TUFP
4				2		46	PCIPA/	29				45		23	TUFPA
5				8		39	PC2P/	30				21		17	TBKP
6				9		35	PC2PA/	31				23		27	PJFP/
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	P1	48	JUMPER
13				18		45	PC6P/	38							
14				19		24	PC6PA/	39	22	BRN	FS 4T81	A 1471 989Z	P1	46	+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	P2	34	PC7S	50							

NOTES:

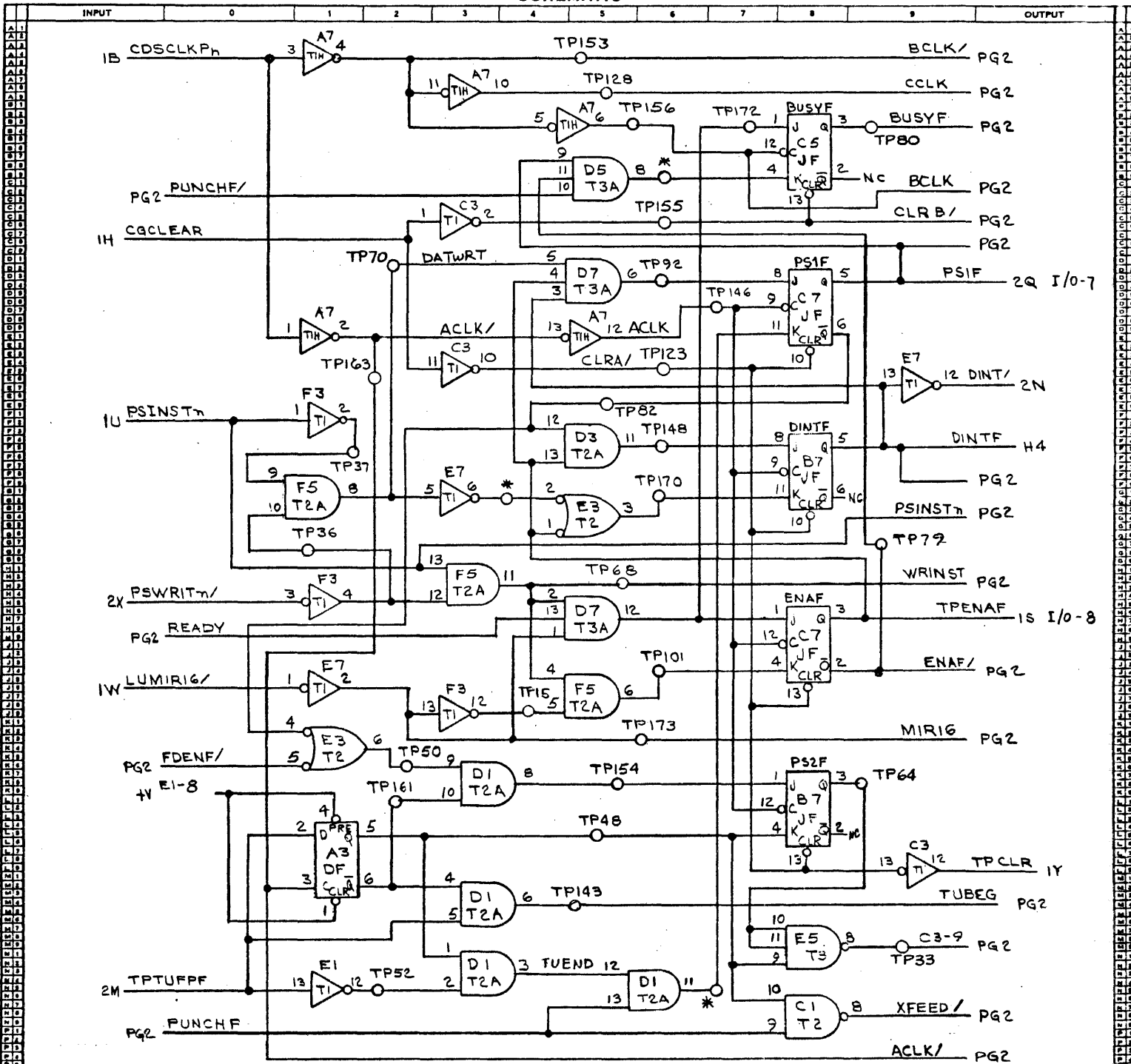
DRAWN	DATE	 Burroughs Corporation SMALL SYSTEMS PLANT DOWNTOWN, PA. 19339, U.S.AMERICA
A HARTST	6-14-73	
CHECKED	DATE	
DESIGN OR ENGR	DATE	
APPROVED	DATE	

TITLE: WIRE LIST
ADAPTER CABLE, A9222 PAPER TAPE PUNCH

SHEET 2 OF 2
DWG NO 1449 0304

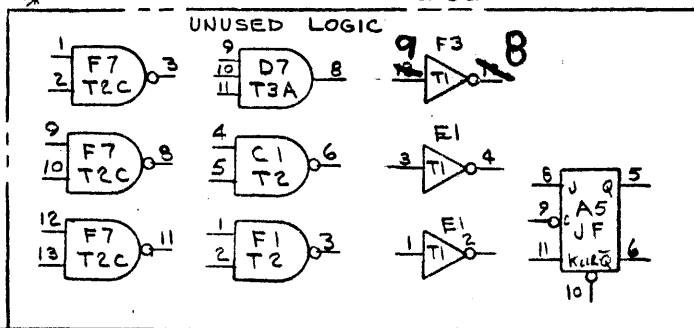
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SCHEMATIC



* INDICATES TEST POINT UNAVAILABLE

UNUSED LOGIC



T2C	1447 3581	1
T2A	1447 3524	3
T1	1447 3532	4
T2	1447 3516	3
TIH	1479 7971	1
T3A	1447 3557	2
DF	1447 3607	2
JF	1447 3615	5
T3	1417 3540	1
CODE	PART NO	QTY

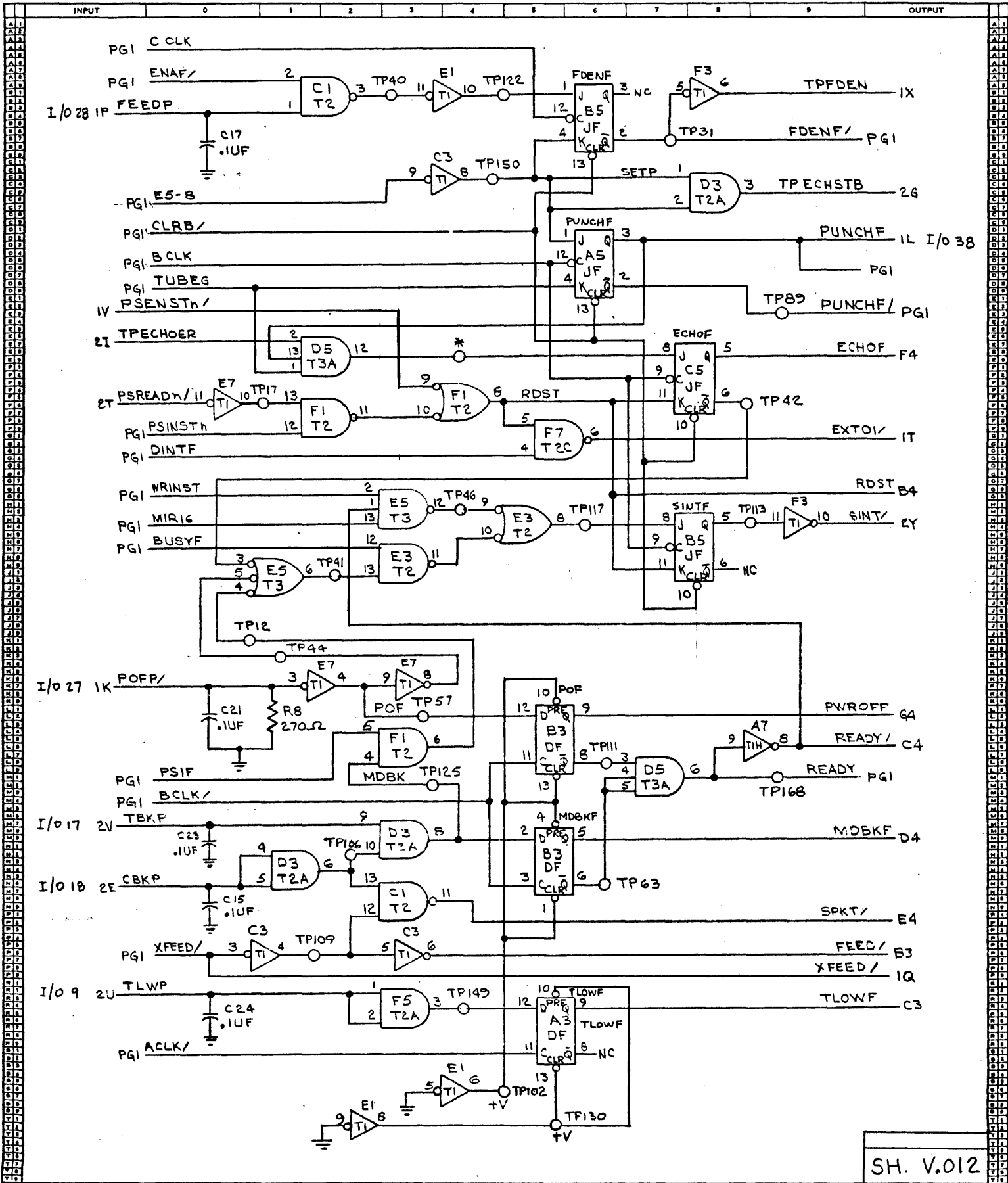
SH V.011

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EPN 5069

TITLE PPT/EPC PERFORATOR CONTROL TPI 1449 0361
 SYSTEM B711
 DRAWN J. DORR 13 MAR 73 CHECKED R. W. B. DWG. NO. 412/73
 APPROVED J. SCHMIDT 5-17-73 RELEASED ER 84 PAGE 1 OF 2 REV. LETTER # B

SCHEMATIC



SH. V.012

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

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TITLE PPT/EPC PERFORATOR CONTROL TPPI SYSTEM B711

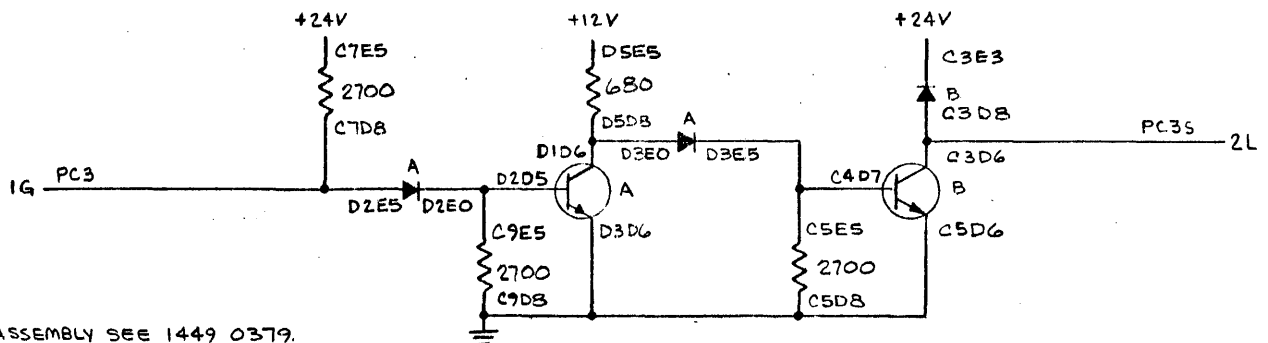
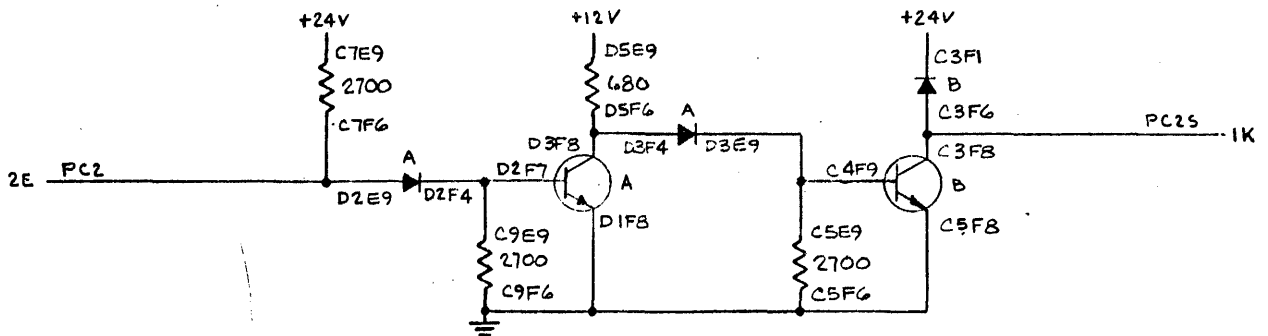
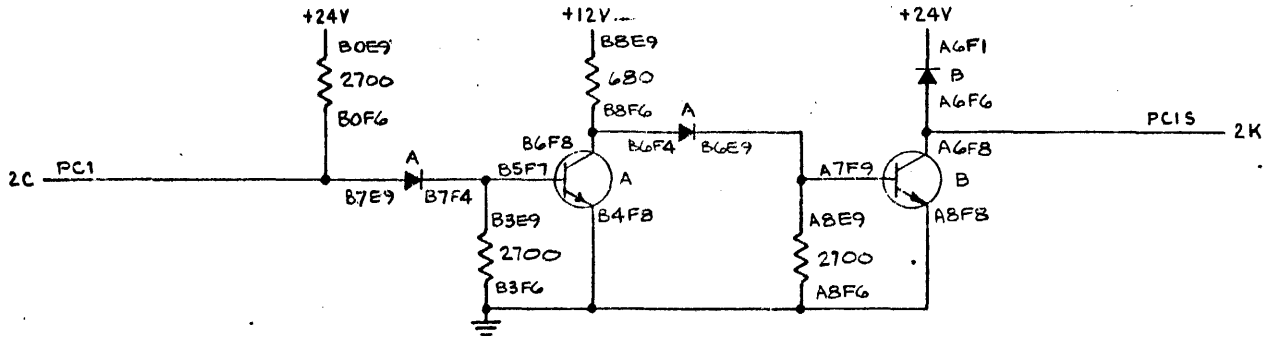
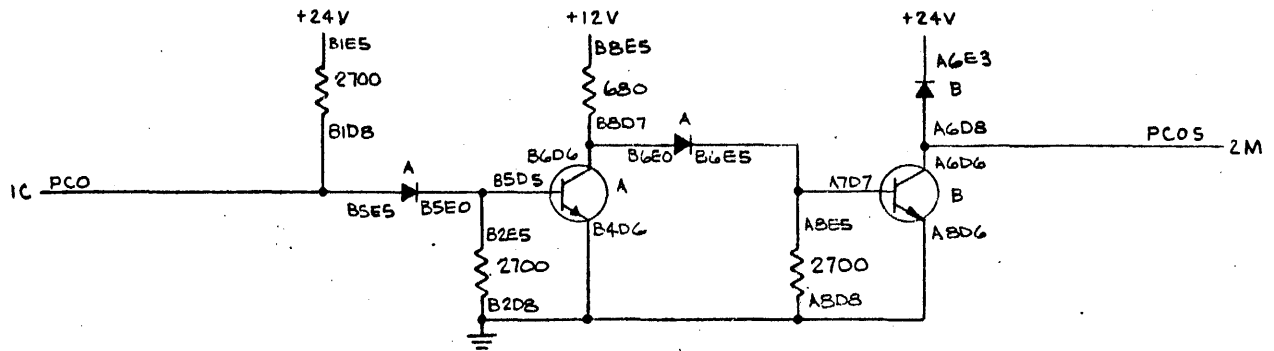
DRAWN JDOERR 16MKT3 CHECKED RWL

APPROVED *[Signature]* RELEASED ER 84 5-11-73

DWG. NO. 1449 0361

PAGE 2

REV. LETTER A



NOTES:

1. FOR ASSEMBLY SEE 1449 0379.
2. COMPONENTS IDENTIFIED BY LETTERS A & B INDICATE PART NUMBERS AS FOLLOWS:
 TRANSISTORS DIODES
 A. 1471 4778 A. 1471 4703
 B. 1471 4786 B. 1471 4737
3. UNLESS OTHERWISE SPECIFIED:
 RESISTANCE VALUES ARE IN OHMS, ± 5%, 1/2 W.
4. SCL: SEE CIRCUIT LIST FOR DESTINATIONS

CC-2-9520

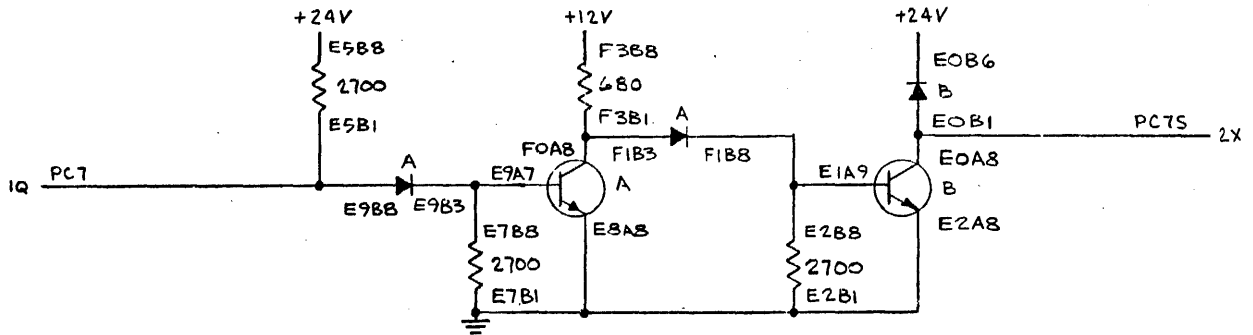
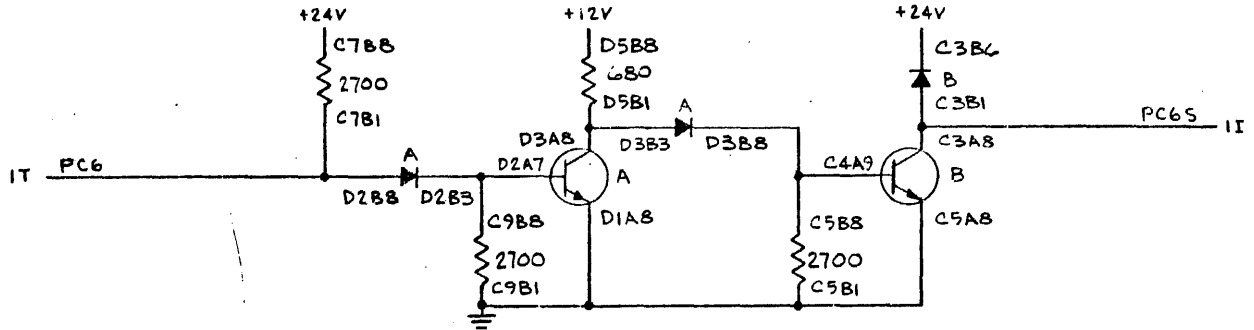
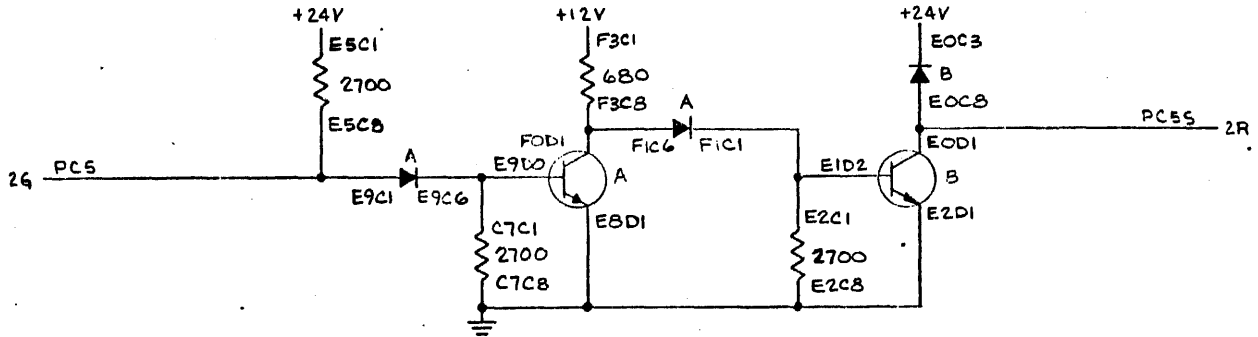
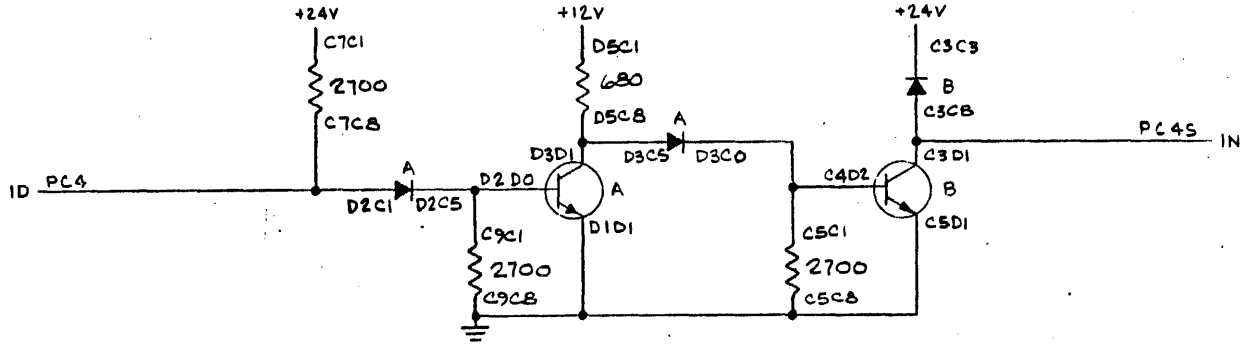
SH. V.021

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TITLE TFP2 PAPER TAPE PUNCH
 SYSTEM 8700
 DRAWN J. SCHLESNER
 APPROVED *[Signature]*
 CHECKED *[Signature]* 4/17/72
 RELEASED ER 84
 5-17-72
 DWG. NO. 1449 0395
 PAGE 1 OF 3
 REV. LETTER A

SCHMATIC

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



SH V.022

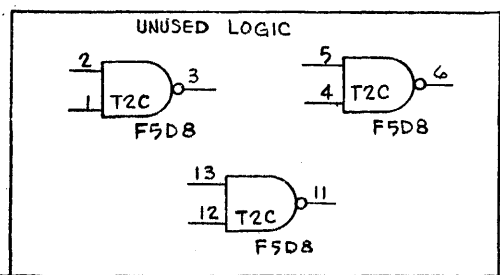
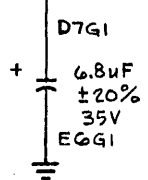
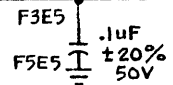
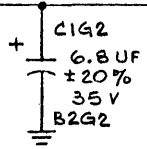
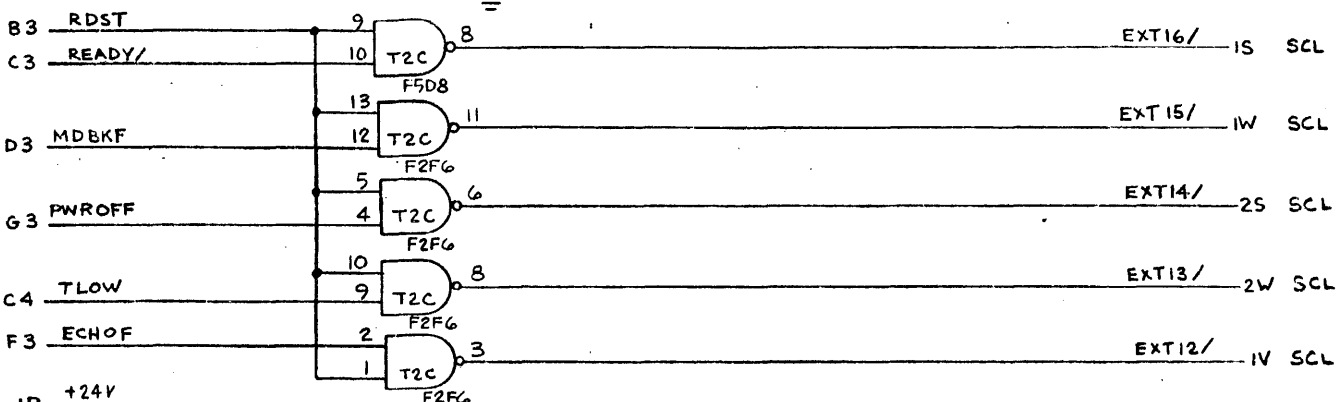
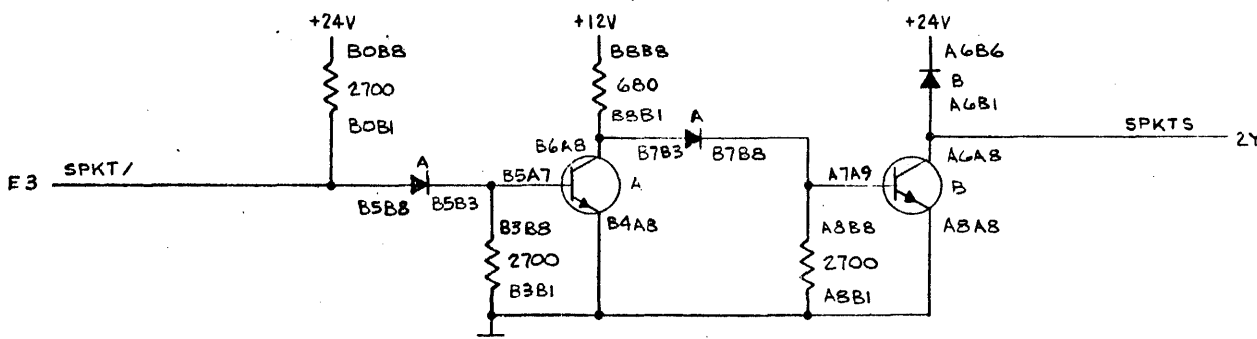
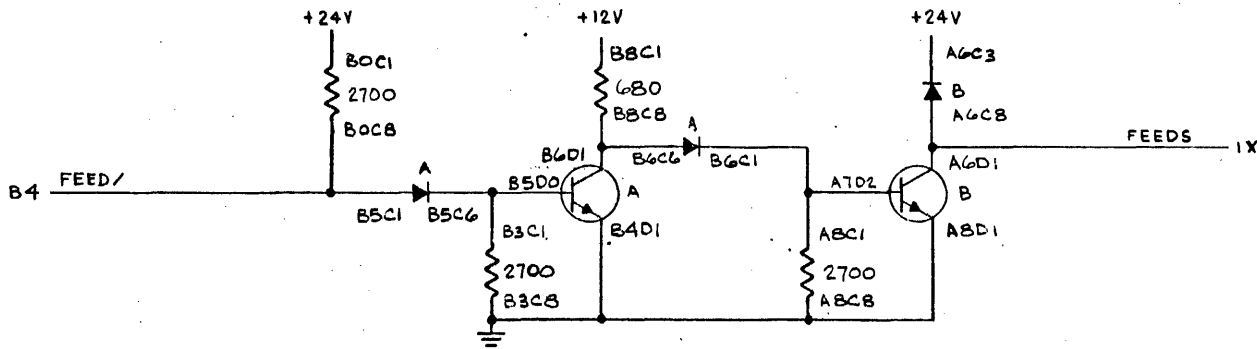
INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

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TITLE TPP2 PAPER TAPE PUNCH
 SYSTEM B700
 DRAWN J. SCHLENNER CHECKED RWA-4/72
 APPROVED: [Signature] RELEASED ER 84
 DWG. NO. 1449 0395
 PAGE 2
 REV. LETTER A
 5-17-73

SCHEMATIC

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



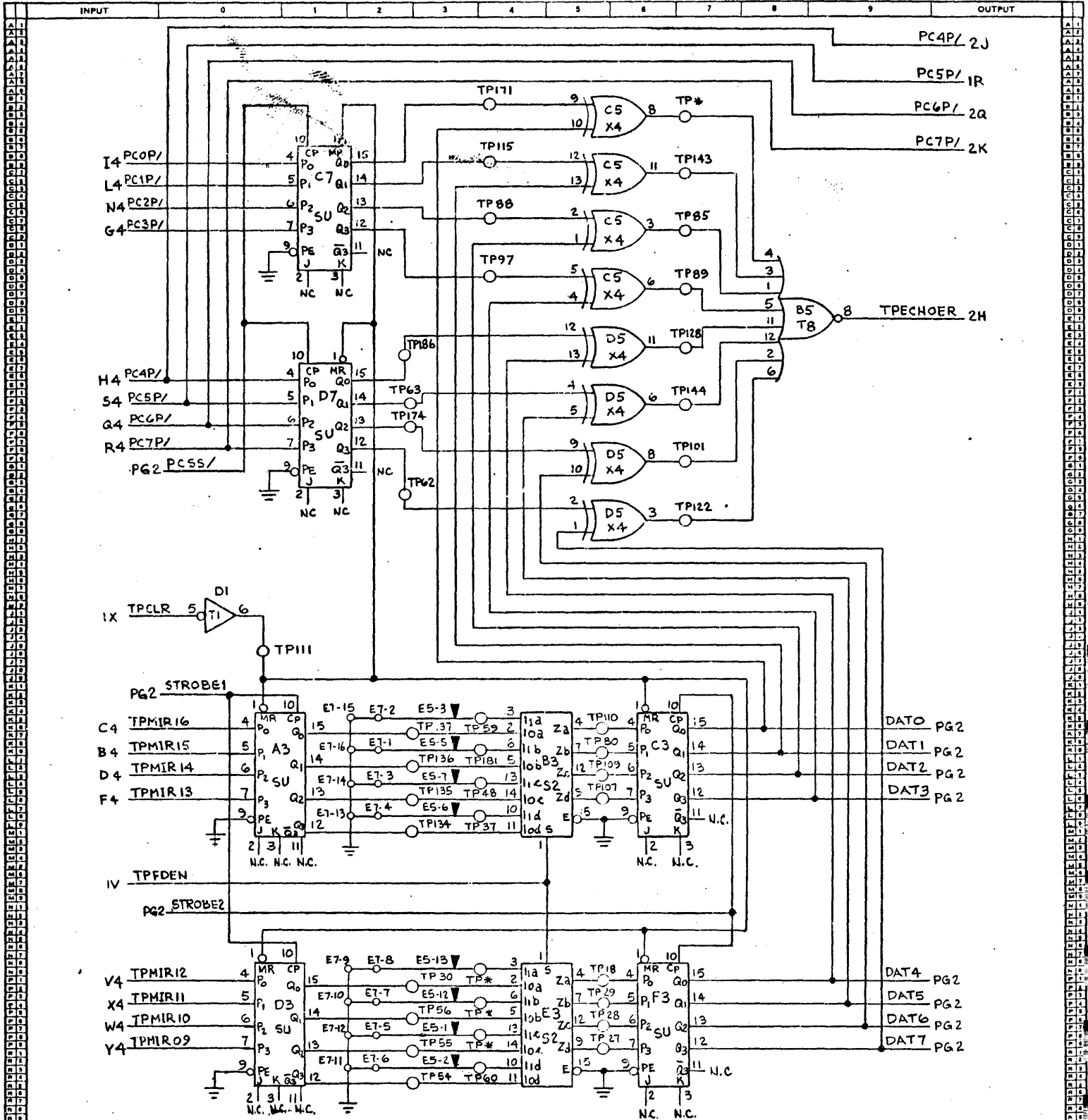
SH V.023

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

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TITLE TPP2 PAPER TAPE PUNCH SYSTEM 8700
 DRAWN J. SCHLENNER CHECKED [Signature] DWG. NO. 1449 0395
 APPROVED [Signature] RELEASED ENR 84 PAGE 3
 5-17-73 REV. LETTER A

SCHEMATIC



* UNABLE TO OBTAIN DEDICATED VIA.

UNUSED LOGIC



X4	1447 3698	2	S2	1447 3797	2
T8	1447 3573	1	T2C	1479 3581	2
T1	1447 3532	1	T2H	1479 0240	1
DF	1447 3607	1	SU	1447 3755	6
555	1449 1039	1			
CODE	PART NO.	QTY	CODE	PART NO.	QTY

SH. V.031

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TITLE TPF3 SYSTEM B700

DRAWN J. SCHLENNER

APPROVED [Signature]

CHECKED CLB

RELEASED ER84

DWG. NO. 1449 0429

PAGE 1 OF 2

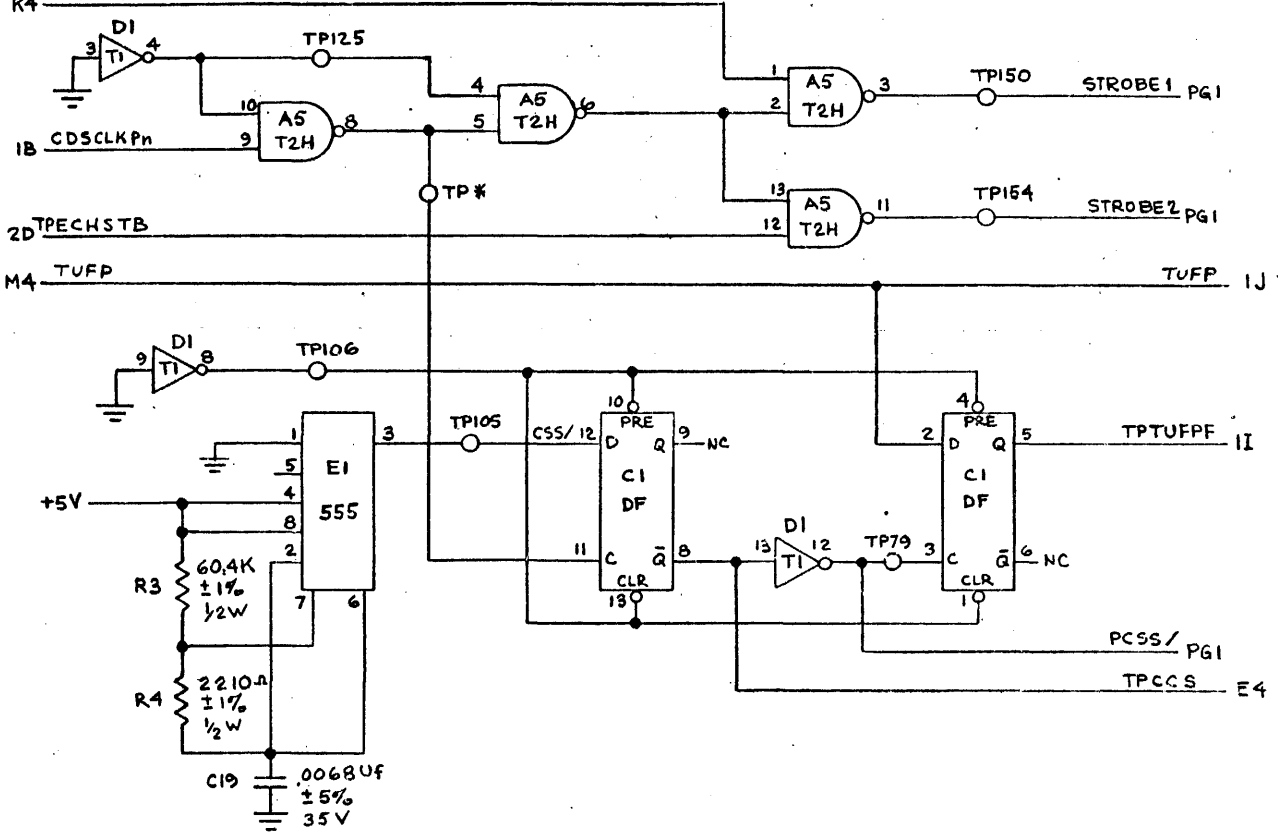
REV. LETTER A

292

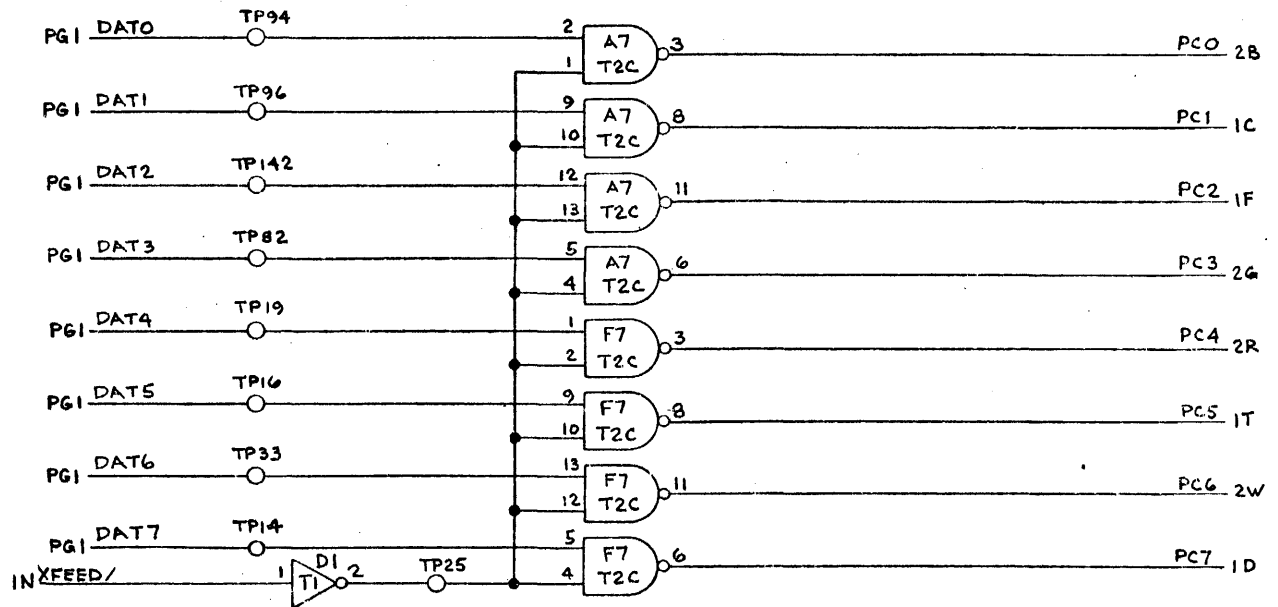
SCHMATIC

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 TUFPA TUFPA 2Y



SH. V.032

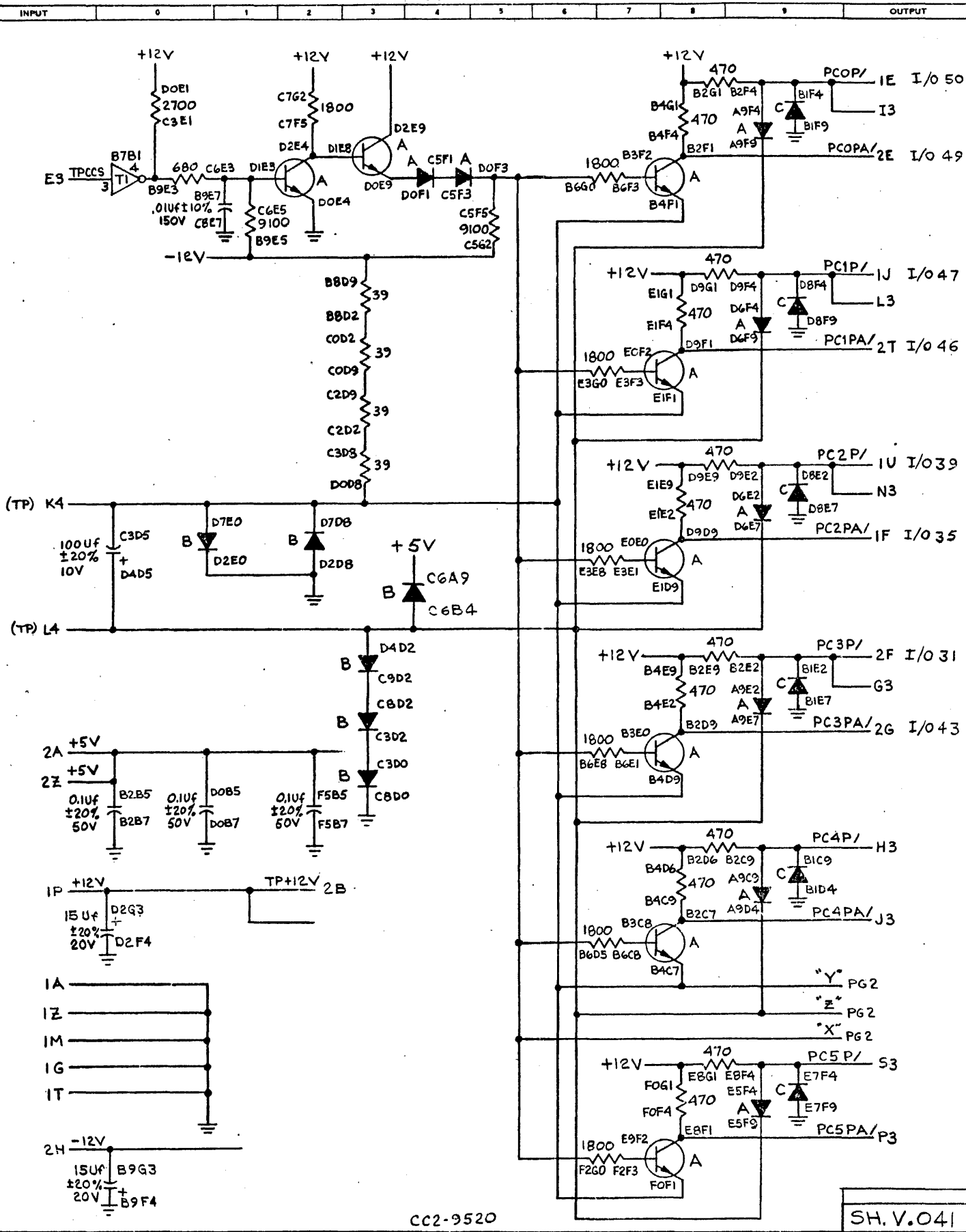
INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

Burroughs Corporation
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TITLE TPP3
 SYSTEM B700
 DRAWN J. SCHLENNER CHECKED CLB
 APPROVED [Signature] RELEASED ER 84
 5-17-73

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

SCHMATIC



CC2-9520

SH.V.041

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TITLE TPP4 PAPER TAPE PUNCH
 SYSTEM B711
 DRAWN C.L.BISCHOFF
 APPROVED C. UNTERMIYER
 1-31-72

CHECKED J. Schlemmer
 RELEASED ER 84
 5-17-73

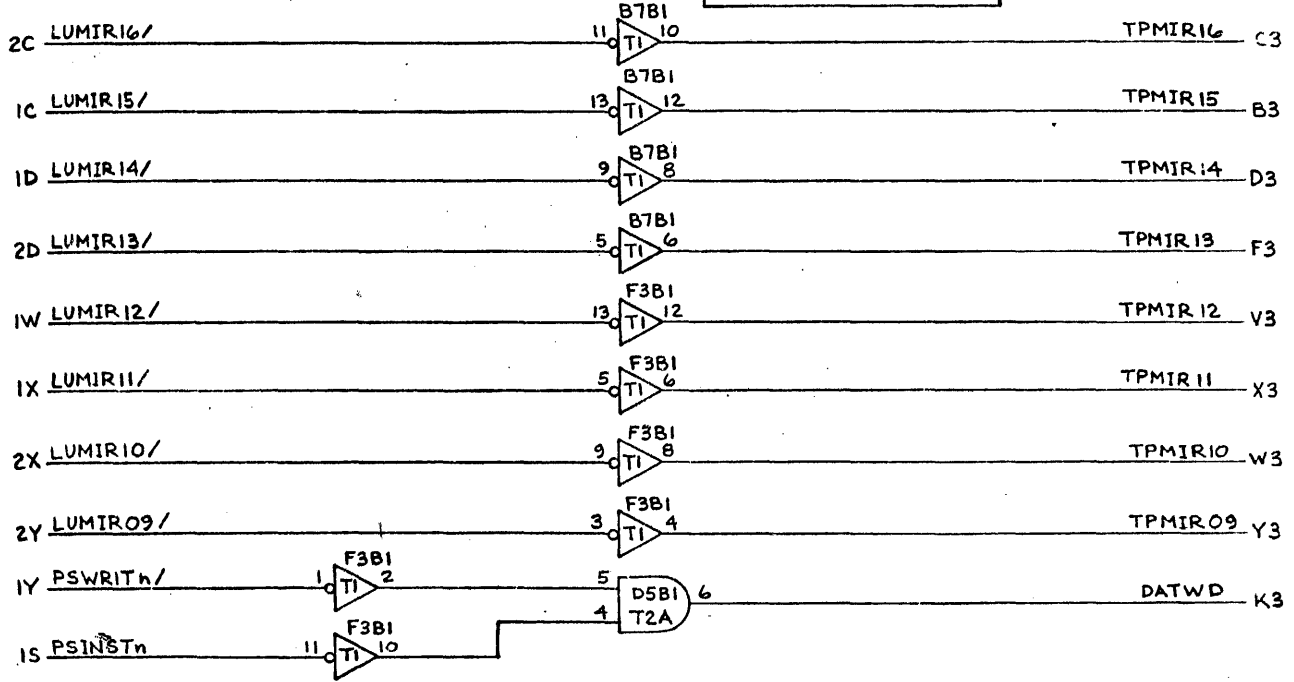
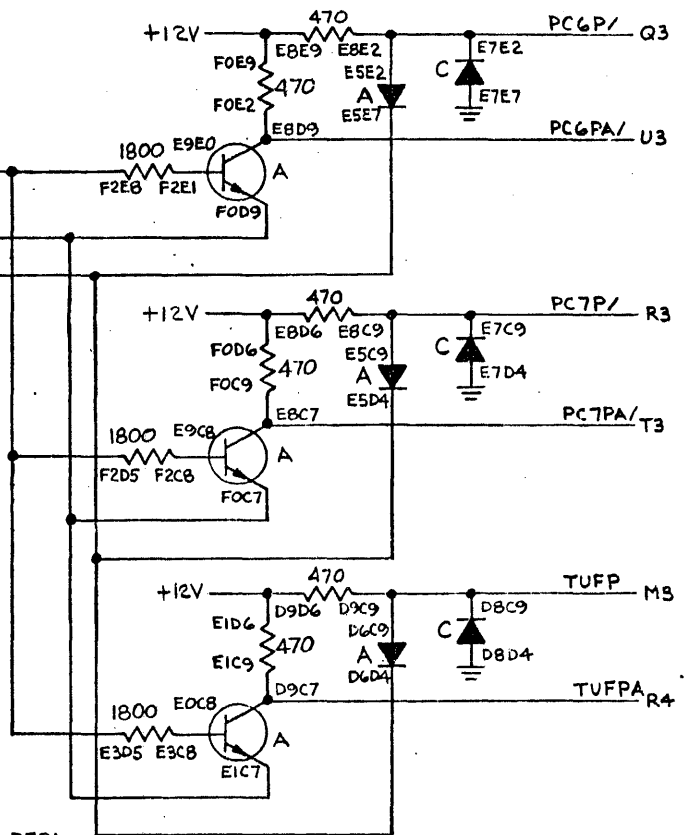
DWG. NO. 1449 0452
 PAGE 1 OF 2
 REV. LETTER A

SCHEMATIC

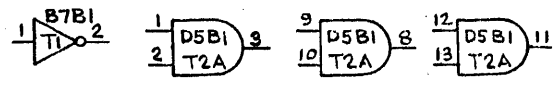
INPUT 0 1 2 3 4 5 6 7 8 9 OUTPUT

PGI "X"
PGI "Y"
PGI "Z"

- NOTES:
1. FOR ASSEMBLY SEE 1449 0437.
 2. COMPONENTS IDENTIFIED BY LETTERS A, B & C INDICATE PART NUMBERS AS FOLLOWS:
TRANSISTORS DIODES
A. 1471 4703 B. 1471 4737
C. 1471 4661
 3. GEO-REFERENCES FOR INTEGRATED CIRCUITS INDICATE LOCATION OF PIN1 OF I.C..
 4. UNLESS OTHERWISE SPECIFIED; RESISTANCE VALUES ARE IN OHMS $\pm 5\%$, $\frac{1}{2}W$.



UNUSED LOGIC



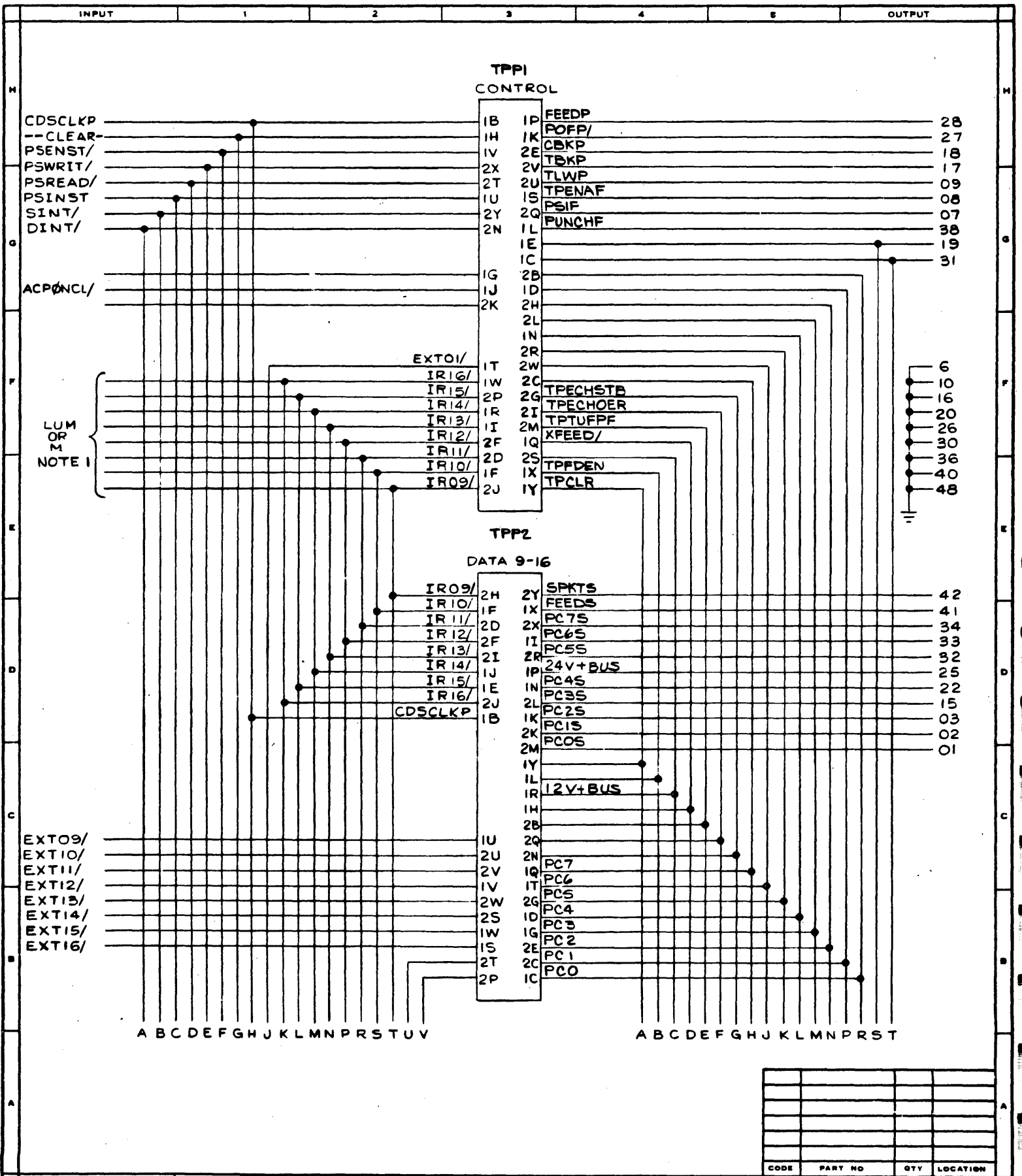
T2A	1447 3524	1
T1	1447 3532	2
CODE	PART NO.	QTY

CC2-9520

SH. V. 042

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TITLE TPD4 PAPER TAPE PUNCH
SYSTEM B711
DRAWN C.L. BISCHOFF CHECKED [Signature] DWG. NO. 1449 0452
APPROVED B. DIMICKMAN RELEASED ER 84 PAGE 2 OF 2
REV. LETTER A
5-17-73



REV	AA																			
SH	1	2																		
REV	A	A																		
REV	A	A																		

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COMPUTER SYSTEMS GROUP
DOWNTOWN PLANT
DOWNTOWN, PA. 17335

DOWNTOWN PLANT
U.S. AMERICA

296

DESIGNER: C. ZUTSKI
DATE: 1-12-76

CHECKED: [Signature]
DATE: 1-28-76

APPROVED: [Signature]
DATE: 3-17-76

296

TITLE: DDP TPPI WIRING DIAGRAM

SHEET: 1 of 2

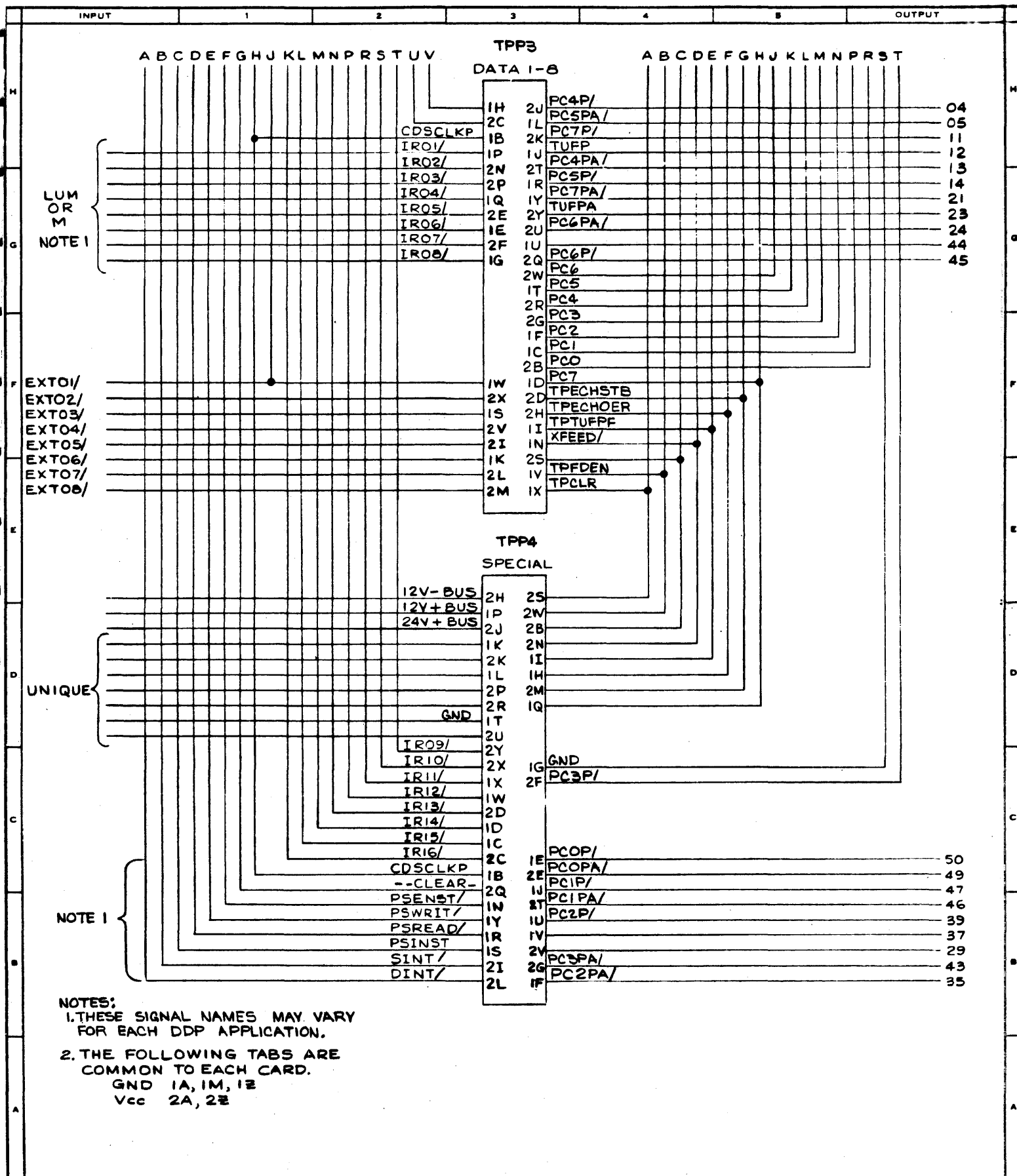
DWG NO.: 2606 9724

CLASS CODE: 2-9520

PLT NO.: 038

REV: A

PRINTED IN U.S. AMERICA



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

DOWNINGTOWN PLANT

DOWNINGTOWN, PENNSYLVANIA 19335

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CONSENT.

NUMBER

2606 3925

REV

B

TITLE

FIELD INSTALLATION INSTRUCTIONS FOR
PAPER TAPE PUNCH CONTROL OPTION (B221)

PREPARED BY

H. Caswell
H. Caswell

9-8-75

APPROVED BY

B. Dinerman
B. Dinerman

ORIGINAL RELEASE DATE

9-26-75

PAGE 1 OF 3

REVISIONS

LEVEL	DESCRIPTION	DATE	APPROVED
A	Initial Release <i>ER109REV09</i>		
B	Revised per ECN 4448. Templates deleted.	12-3-75	<i>W. Spingler</i> <i>JLB</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.

- (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
B ECN1156 10-27-72 SW, LB, JZ, ZF
C ECN1163 JES
D ECN1181 11-15-72 JI
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	DATE
J. ARMSTRONG	9-14-72
CHECKED	DATE
J. INCH	9-19-72
DEGN OR ENGR	DATE
E. BOGUICH	9-19-72
APPROVED	DATE

Burroughs Corporation 

COMPUTER SYSTEMS GROUP
DOWNTOWN PA 19335

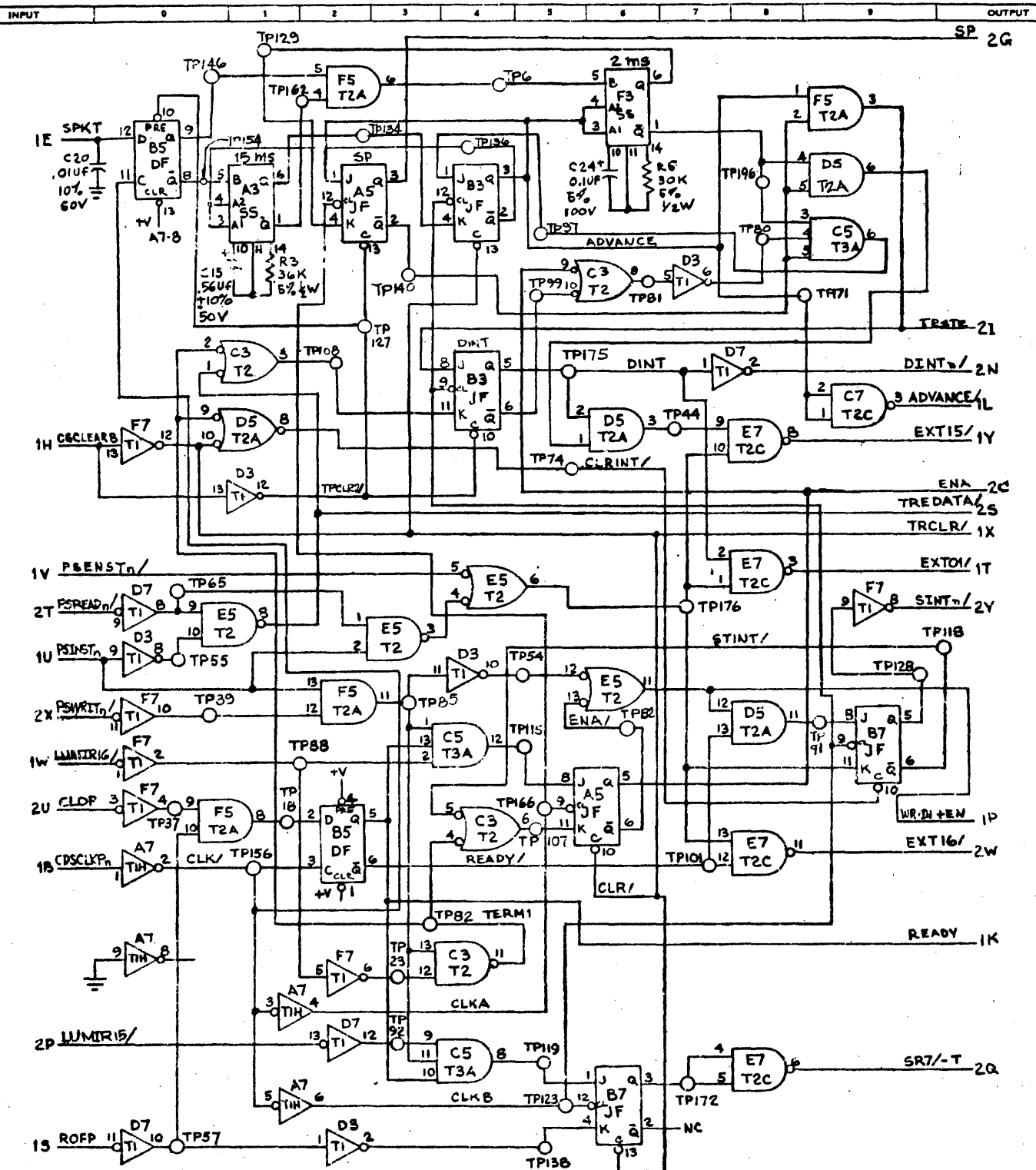
DOWNTOWN PLANT
U.S. AMERICA

TITLE
WIRE LIST
ADAPTER CABLE
A9122 PAPER TAPE READER

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SHEET 2 OF DWG NO 1448 9199

SCHEMATIC



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
TIH	1479 7971	1
TI	1447 3532	3
CODE	PART NO.	QTY

UNUSED LOGIC



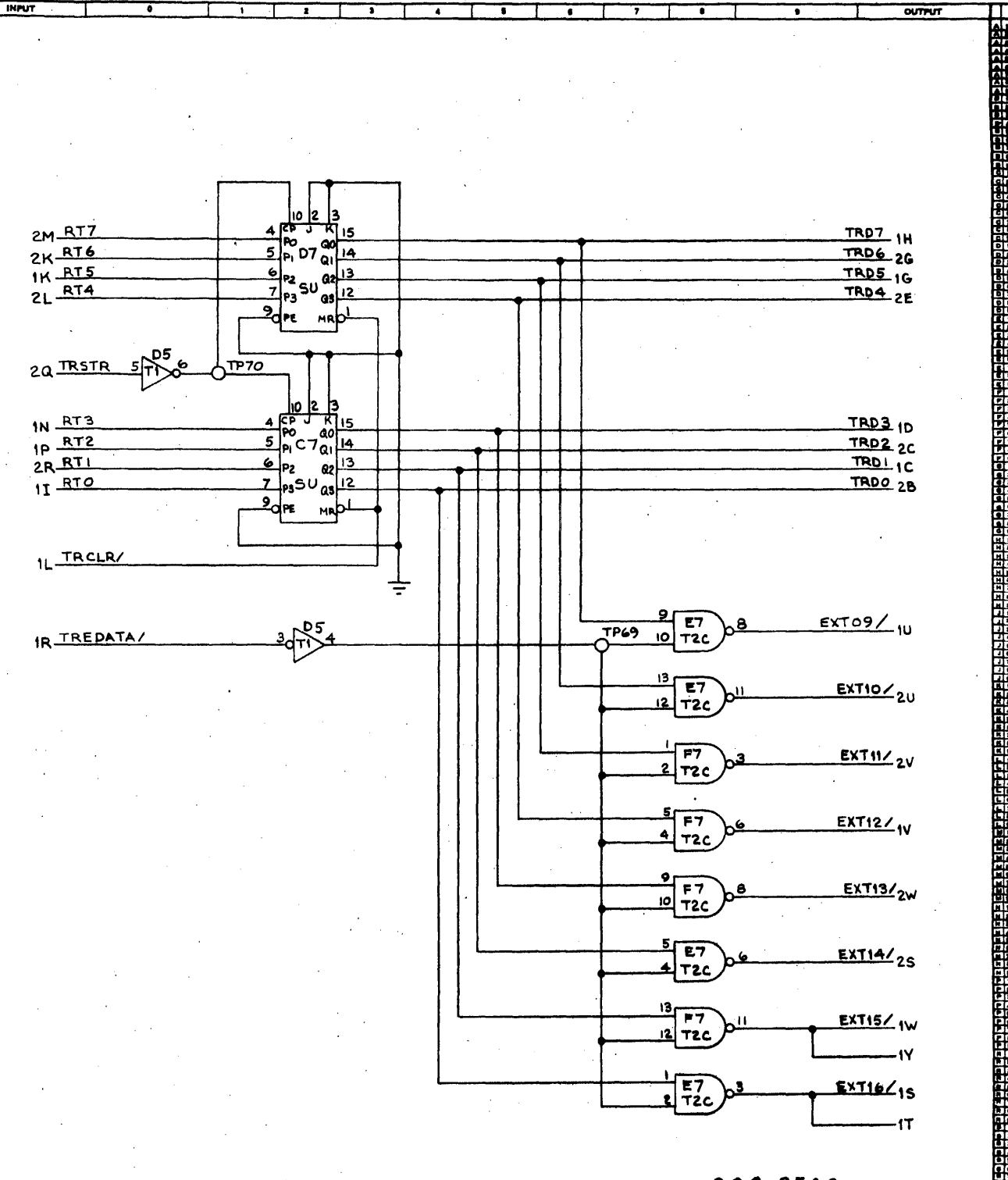
CC2-9520 SH U.O.11

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PRODUCTION

TITLE TPR: PPTREADER 1
 SYSTEM 8700
 DRAWN JAM
 APPROVED E. B. DIERMAN B-3-72
 CHECKED R. WAVER
 RELEASED 10-6-72
 DWG. NO. 1449 0486
 PAGE 1 OF 1
 REV. LETTER G PER ECH 4502
 DATE 12-9-75

SCHEMATIC



CC 2-9520

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

UNUSED LOGIC



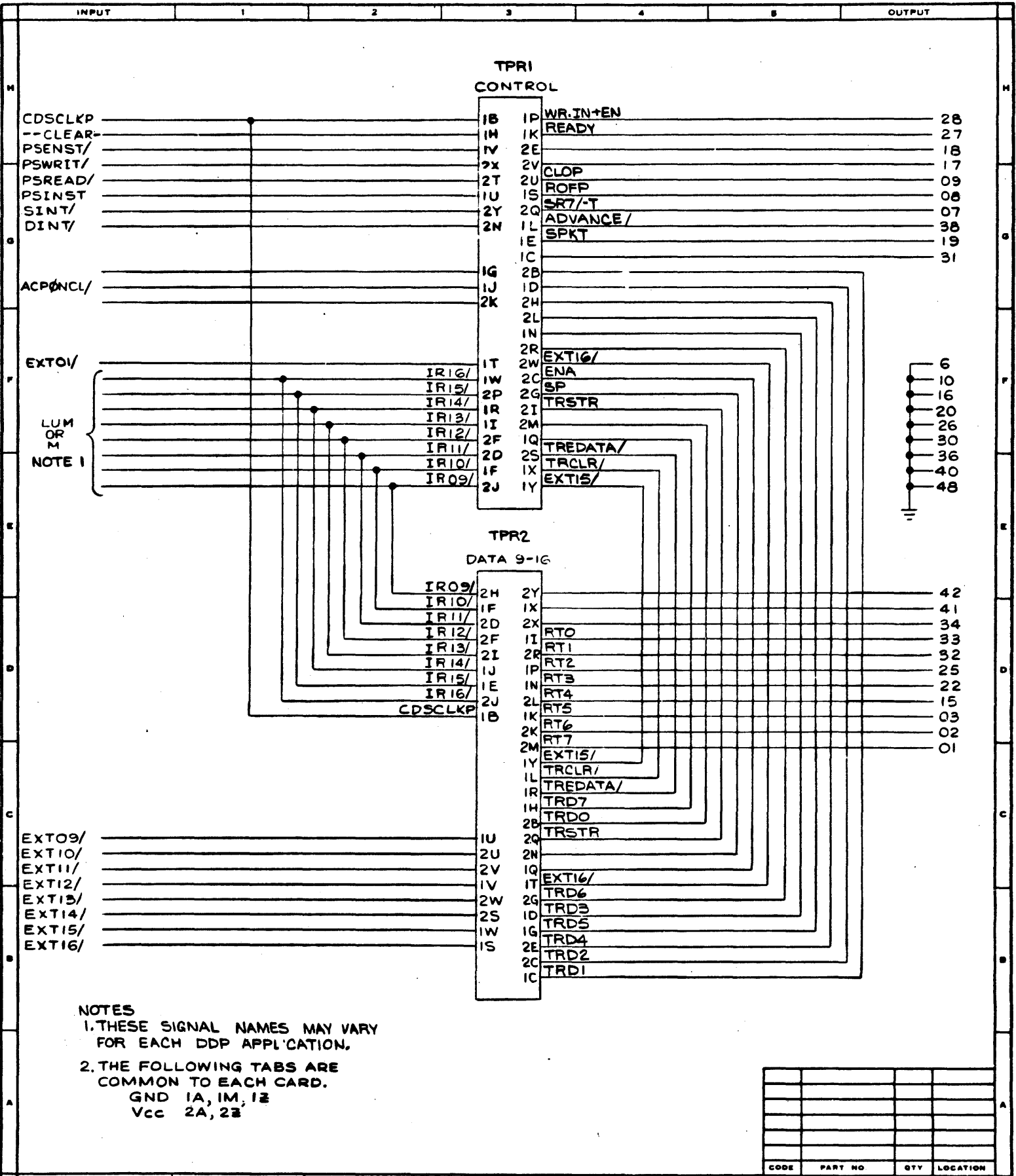
SH U.021

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PRODUCTION

TITLE TPR 2 PPT READER 2
 SYSTEM B700
 DRAWN JAM CHECKED J. Selman
 APPROVED B. B. DINGEMAN RELEASED 10-6-72 REV. LETTER A PER ECN 1352
 8-3-72

DWG. NO. 1449 0510
 PAGE 1 OF 1
 REV. LETTER A PER ECN 1352
 0.44 r-20-73



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

CODE	PART NO	QTY	LOCATION

304 Burroughs Corporation
 COMPUTED SYSTEMS GROUP DOWNTOWN PLANT
 DOWNTOWN PA. 19222 U.S. AMERICA

REVISIONS: REV A, SH 1, 1-12-76, 3-1-76, 3-1-76

304

DRAWN: G. ZUTSKI DATE: 1-12-76
 CHECKED: [Signature] DATE: 2-20-76
 DESIGNED: [Signature] DATE: 1-12-76
 APPROVED: E. [Signature] DATE: 3-1-76

TITLE: DDP TPR WIRING DIAGRAM CLASS CODE: 2-9520

SHEET: 1 of 1 DWG NO: 2606 9732 PLY NO: 038 REV: A

PRINTED IN U.S. AMERICA 87N 95 REV 12-76

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COMPUTER SYSTEMS GROUP

DOWNTOWN PLANT

DOWNTOWN, 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.C. 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 Rev109</i>		
B	Revised per ECN 4448. Templates deleted.	12-3-75	<i>W. Sigmund</i> <i>9/15</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 TPRI	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.



(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.

DWG NO. 2846 5490
 SHEET 1 OF 1
 RELEASED PER EKT/ZOR/LAS
 1-10-77

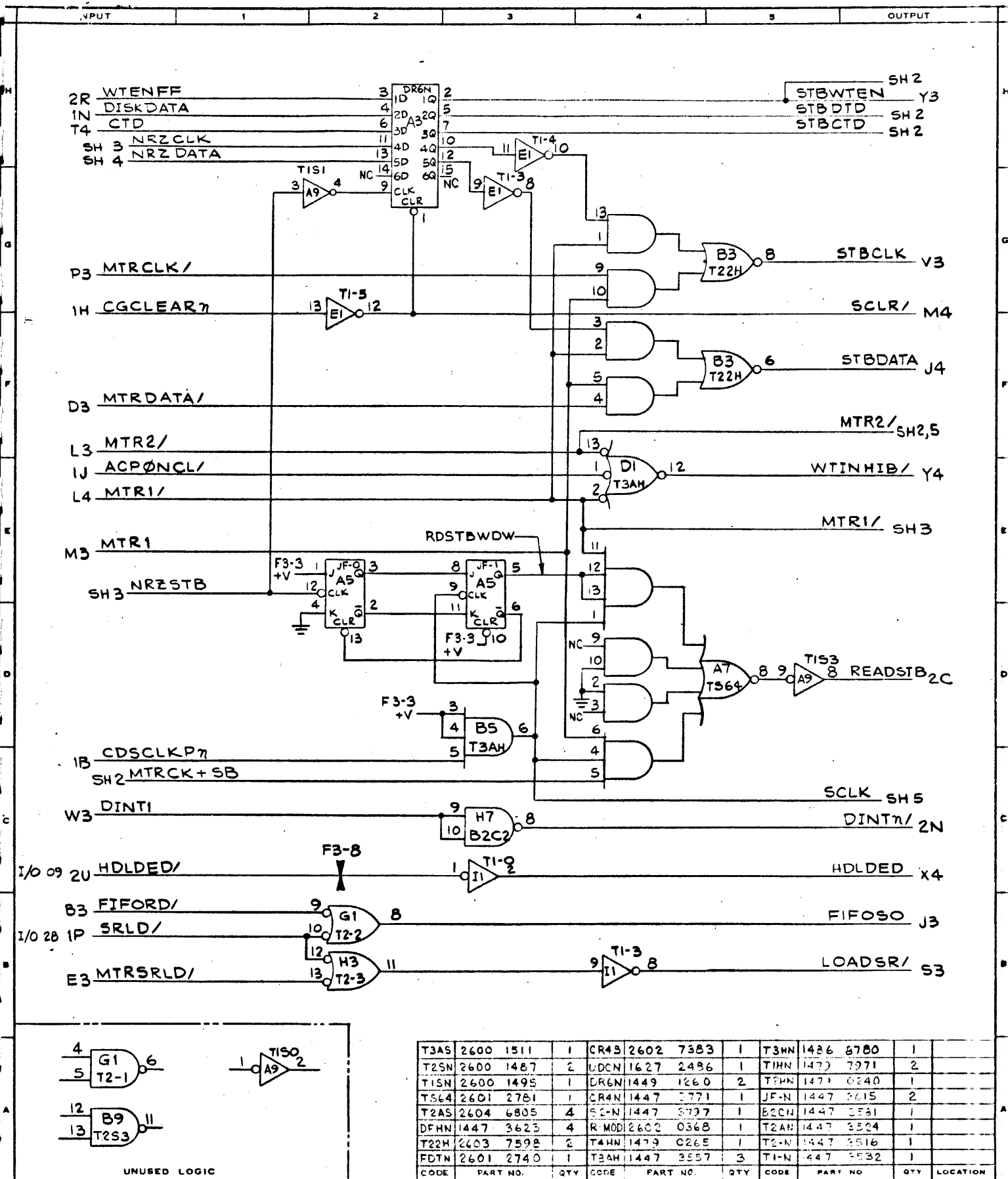
REFERENCE DOCUMENTS	
TYPE	PART NO.
ASSEMBLY	26093658
SCHEMATIC	—
PARTS LIST	—

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	RED	P1	6 (2)	WIRE WRAP	P2	6	WIRE WRAP	GRD	1-26	26	RED	P1	25 (2)	WIRE WRAP	P2	36	WIRE WRAP	GRD		
1-2	↑	↑	↑	24	↑	↑	38	↑	READ DATA	1-27	↑	↑	↑	36 (2)	↑	↑	40	↑	↑		
1-3				1			39		HEAD LOAD	1-28				44 (2)			48				
1-4				2			50		TRACK 00	1-29				6 (2)		P1	7 (2)				
1-5				10 (2)			10		GRD	1-30				7 (2)		↑	29				
1-6				3			49		INDEX	1-31				10 (2)			9 (2)				
1-7				4			34		LOW WRITE CURRENT	1-32				9 (2)			8				
1-8				5			46		STEP IN	1-33				16 (2)			17 (2)				
1-9				16 (2)			16		GRD	1-34				17 (2)			18				
1-10				11			47		STEP OUT	1-35				20 (2)			19 (2)				
1-11				12			42		WRITE ENABLE	1-36				19 (2)			27				
1-12				13			7		WRITE DATA	1-37				26 (2)			28 (2)				
1-13				20 (2)			20		GRD	1-38				28 (2)			47				
1-14				14			4		UNIT SELECT 1	1-39				40 (2)			38 (2)				
1-15				15			5		UNIT SELECT 2	1-40				38 (2)			48				
1-16				22			11		UNIT SELECT 3	1-41				25 (2)			34 (2)				
1-17				26 (2)			26		GRD	1-42				34 (2)			45				
1-18				21			12		UNIT SELECT 4	1-43				36 (2)		↓	37		↓		
1-19				23			37		UNIT READY 1	1-44			P1	44 (2)		P1	46		GRD		
1-20				42			29		UNIT READY 2	1-45			P2	45		P2	3		D7CLK		
1-21				40 (2)			30		GRD	1-46	↓	↓	P2	44	↓	P2	2	↓	CKREGPE/		
1-22				33			43		UNIT READY 3	1-47	26	RED	P2	24	WIRE WRAP	P2	28	WIRE WRAP	SRLD/		
1-23				35			35		UNIT READY 4	1-48											
1-24				43			9	↓	HEAD LOADED	1-49											
1-25	26	RED	P1	41	WIRE WRAP	P2	13	WIRE WRAP	EN HD LD TO	1-50											

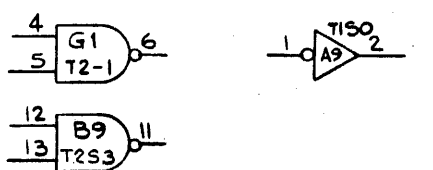
NOTES:

308

DRAWN H. BURHANS 12-21-76		DATE		Burroughs Corporation COMPUTER SYSTEMS GROUP DOWNINGTOWN PLANT DOWNINGTOWN, PA. 19335 U.S. AMERICA	
CHECKED		DATE			
DSGNOR ENGR E. K... 1/1/77		DATE		TITLE WIRE LIST	
APPROVED 1/1/77		DATE		ADAPTER CABLE, ICMD (EXT.)	
CLASS CODE		SHEET		DWG NO.	
2-9520		1 OF 1		2846 5490	
PLT NO.		DWG NO.		PLT NO.	
038		2846 5490		038	



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	1477	7971	2	
T1SN	2600	1495	1	DR6N	1449	1260	2	T2HN	1477	8240	1	
TS64	2601	2781	1	CR4N	1447	5771	1	JF-N	1447	3615	2	
T2AS	2604	6805	4	SE-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	



Burroughs Corporation

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

31-2554

REV SH C C C A B

1 2 3 4 5

REVISIONS
REL ER 248
ECN 248
ECN 248
ECN 248

309

DATE 6-14-76

FILE ICMDC1

CLASS CODE 2-9520

SHEET 1 OF 5

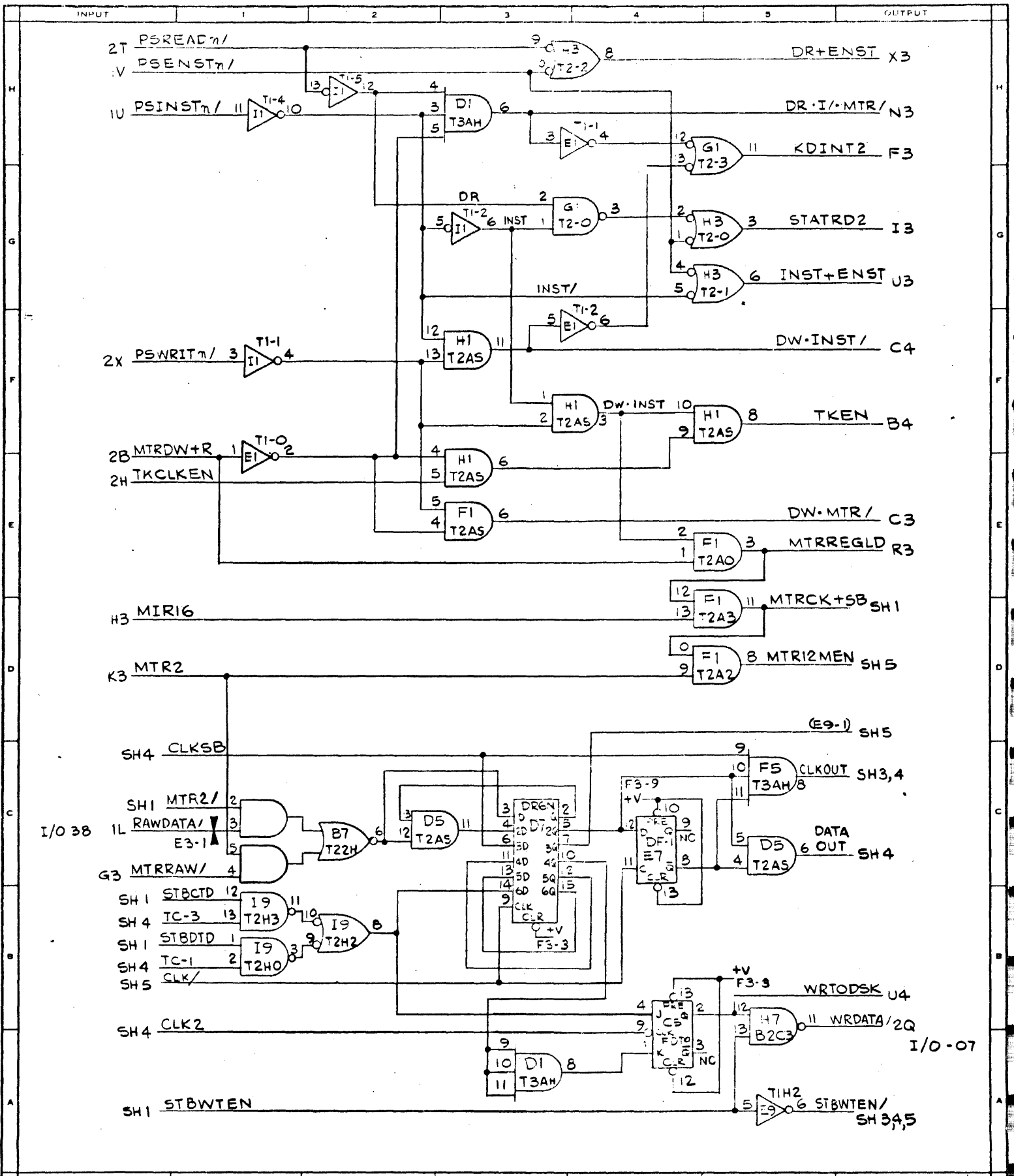
PART NO. 26073411

PLT NO. 038

REV C

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DIN 76 REV 12-74



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

REVISIONS

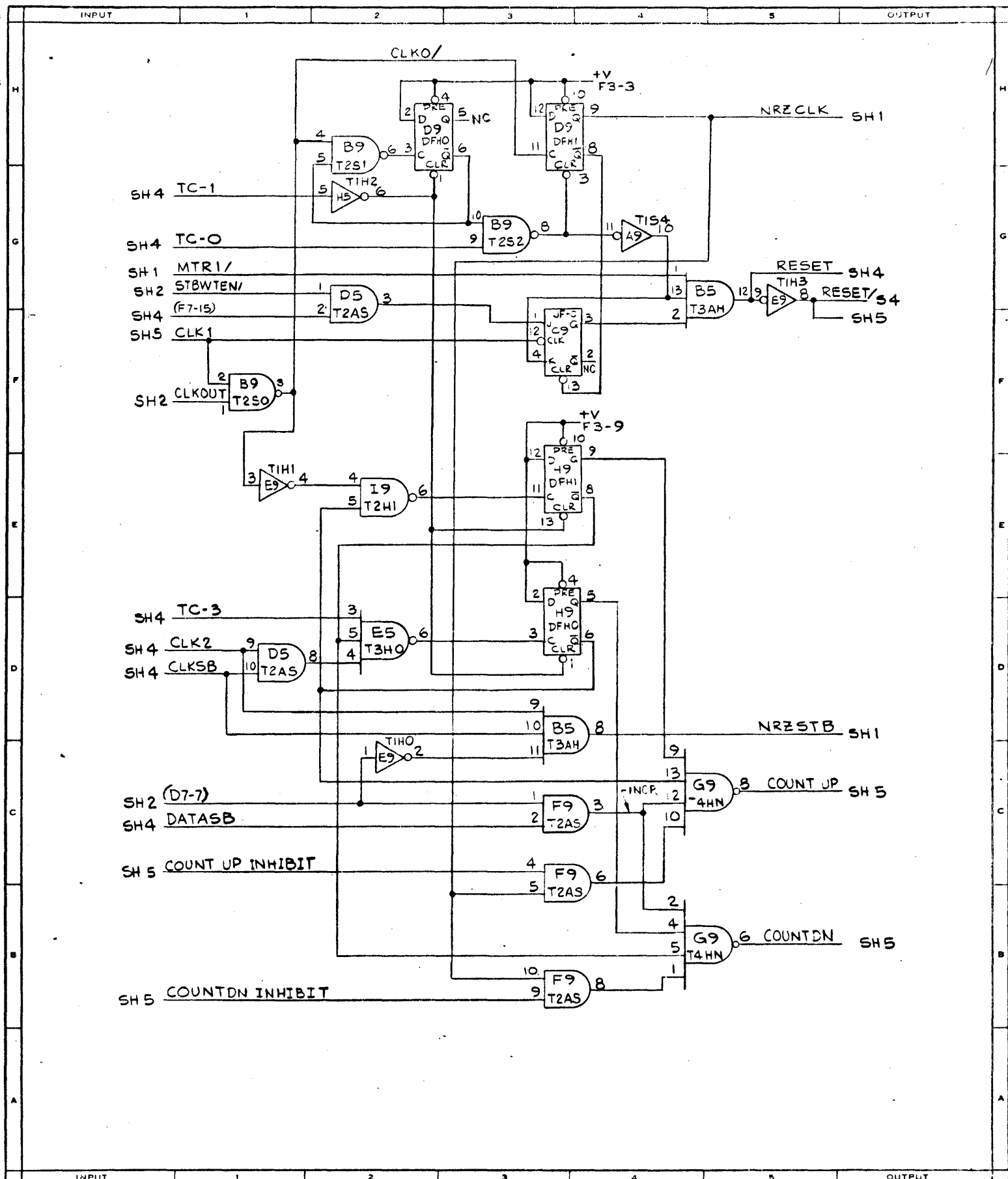
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SHEET NO.	REV.	REV. NO.	REV.
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310

REVISED 44151 25507

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ICMDCI 12-74



BOUNCE 44131 25507

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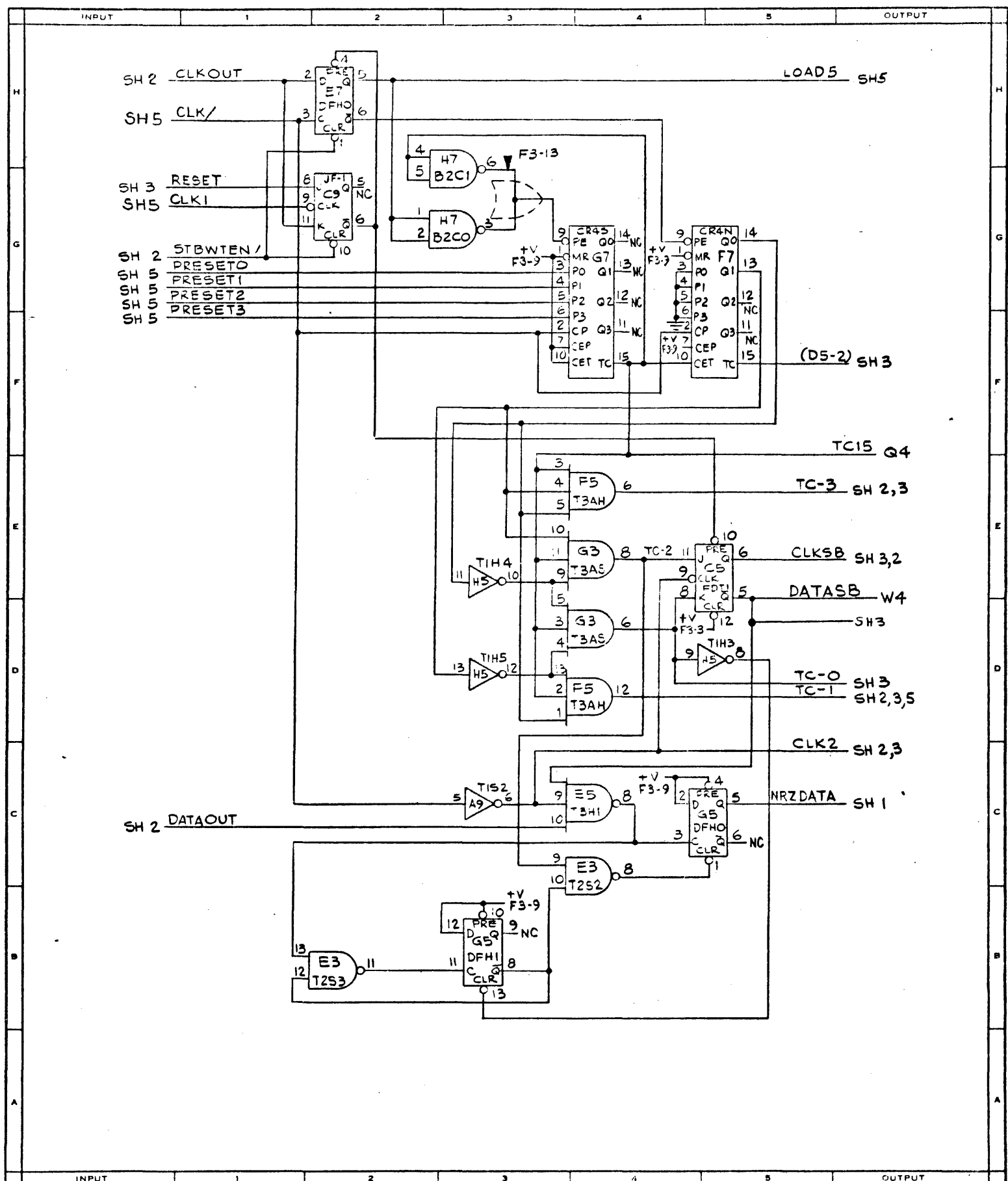
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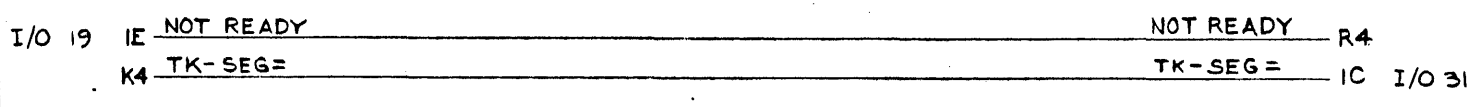
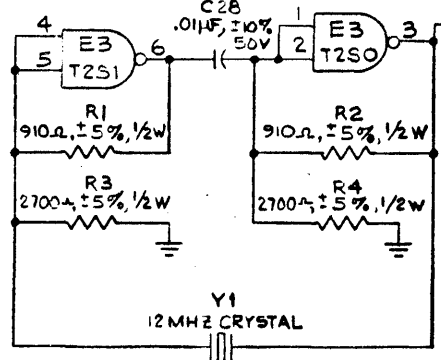
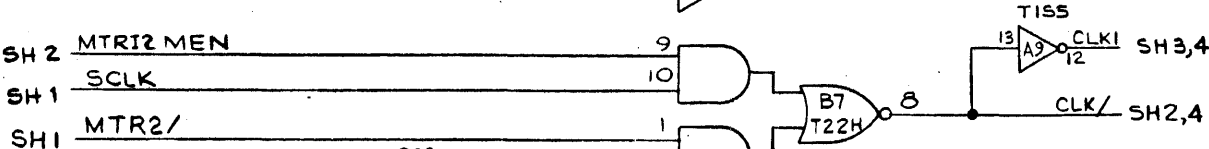
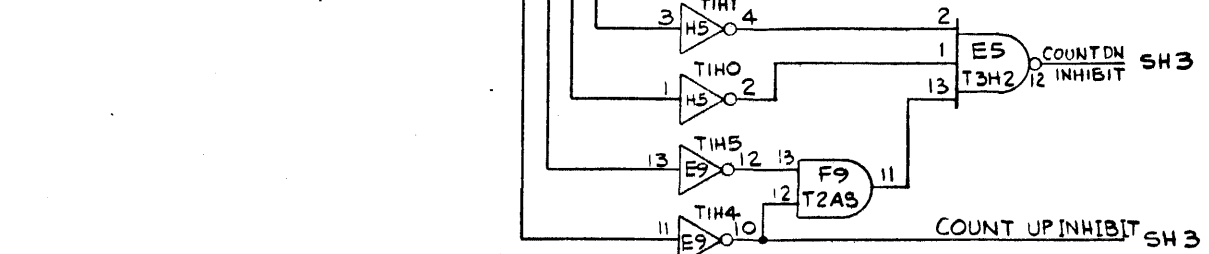
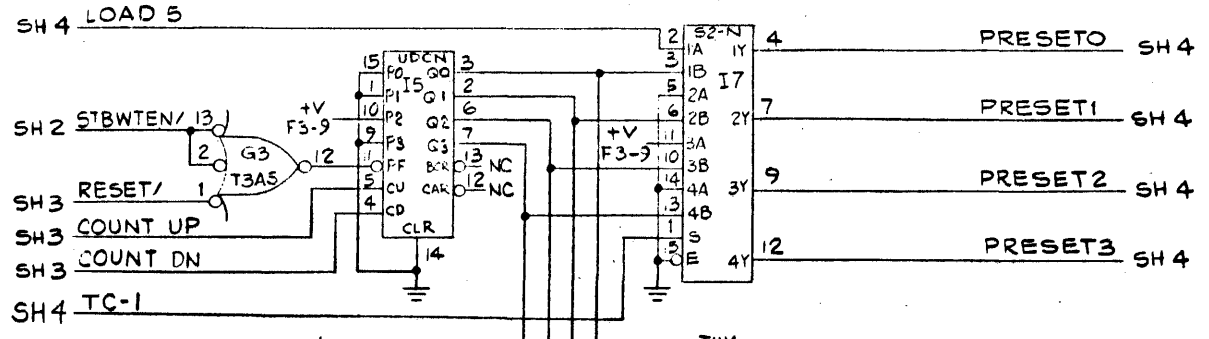
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312



Burroughs Corporation

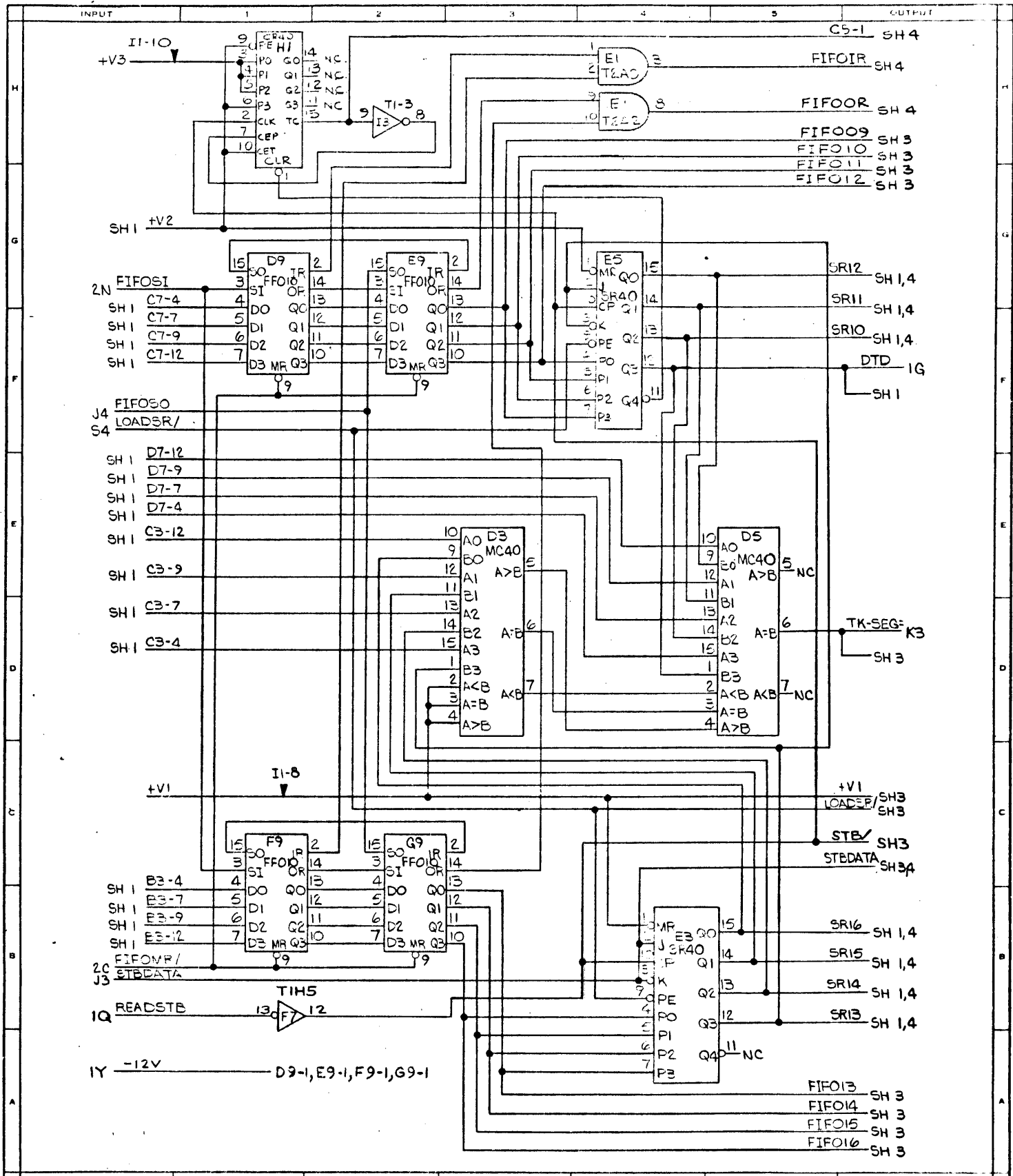
COMPUTER SYSTEMS GROUP DOWNINGTOWN PLANT
DOWNINGTOWN, PA. 19333 U.S. AMERICA

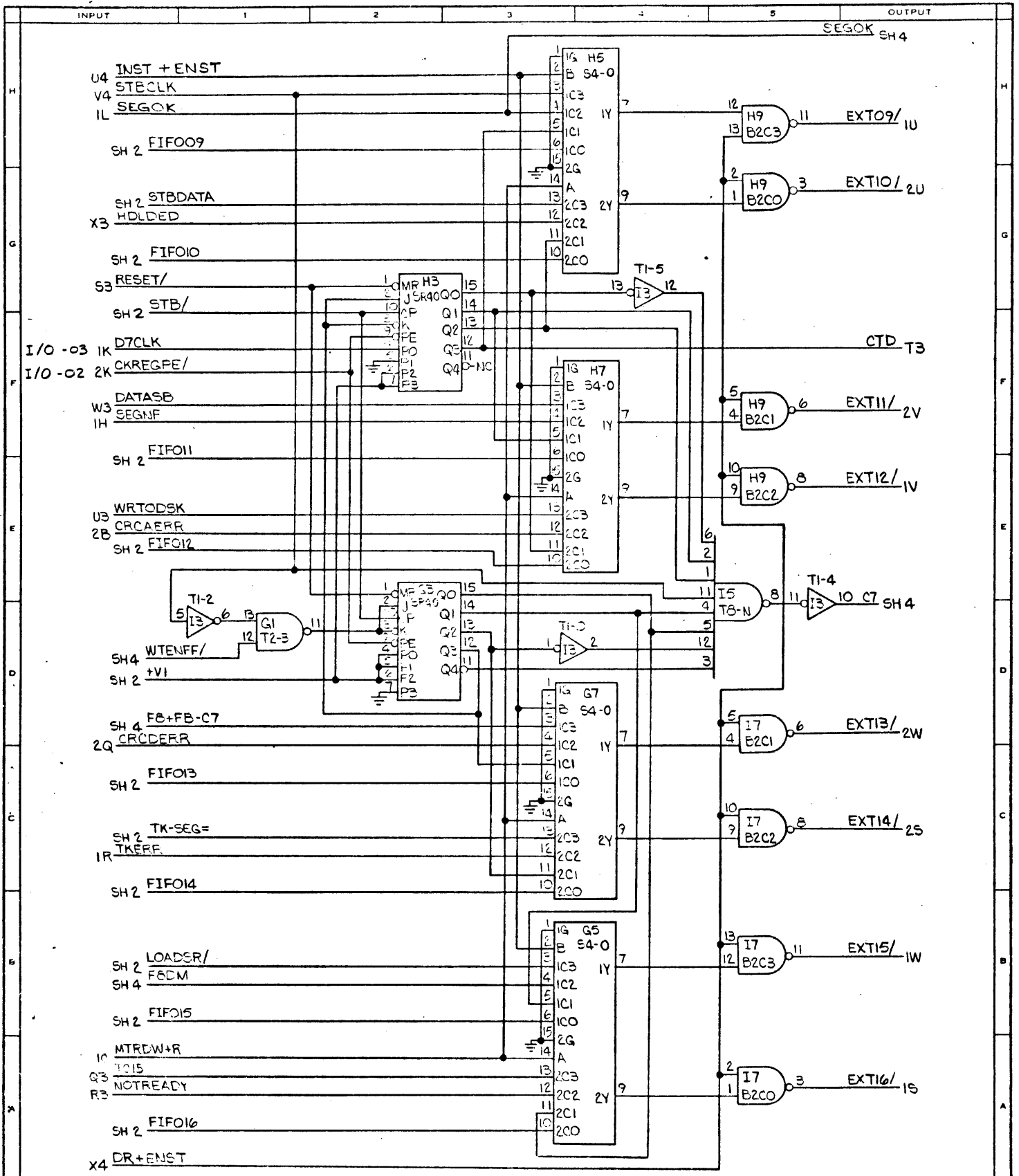
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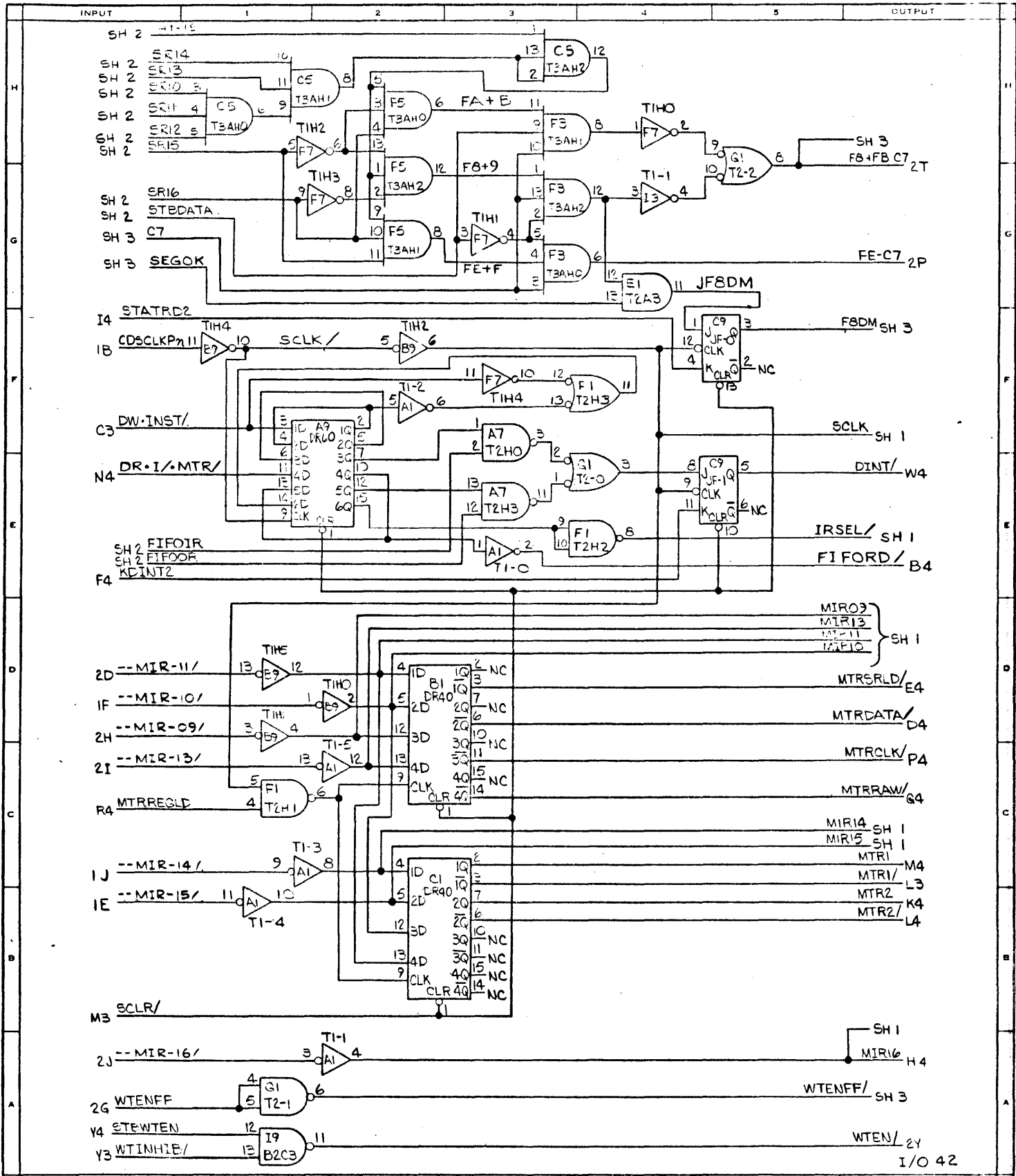
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SHEET	DWG NO.	PLT NO.	REV.
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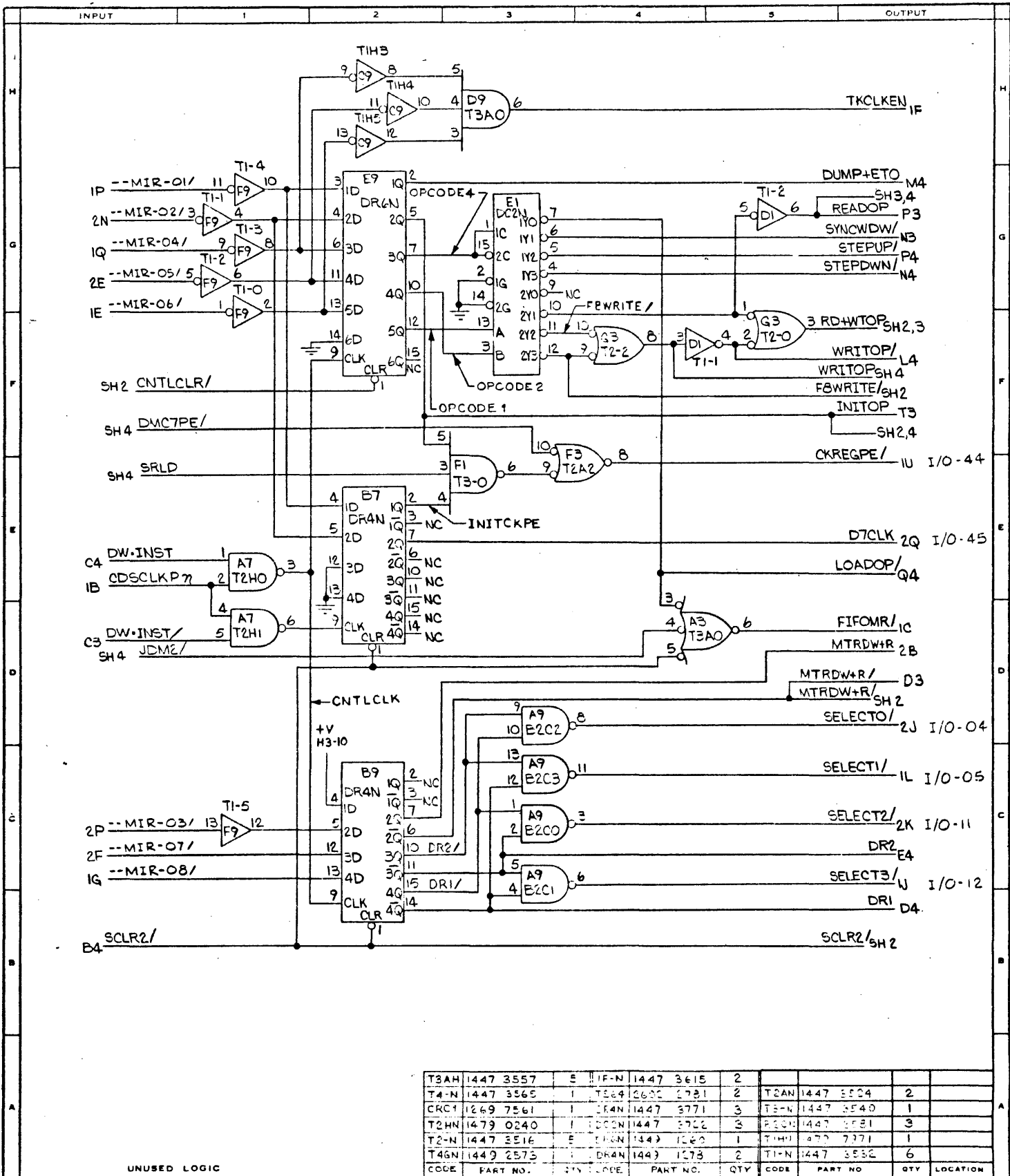


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<p>TITLE: ICMD C2</p> <p>REV: 2-9520</p>						<p>REVISIONS</p>
<p>SHEET: 4</p> <p>DWG. NO.: 2607 3452</p>						<p>DATE: 038</p> <p>BY: B</p>

317

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UNUSED LOGIC

REV	DATE	BY	CHKD	APP'D	DATE	TITLE	CLASS CODE
1	12-3-74	A	A	A	14-10-74	ICMD03	2-9520

318 Burroughs Corporation

COMPUTER SYSTEMS GROUP DOWNINGTOWN PLANT
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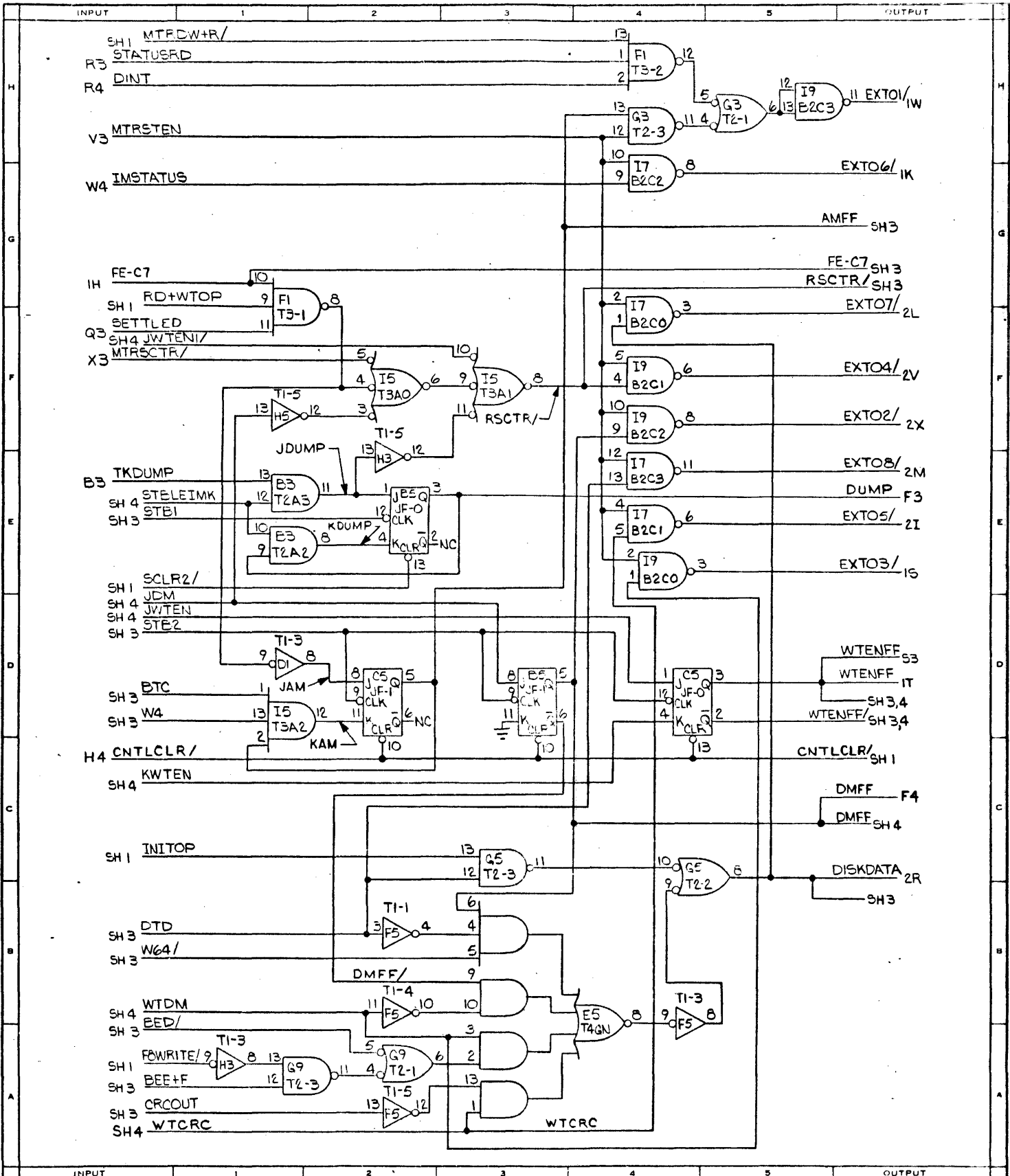
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SHEET/DWG NO 1 of 4 / 2607 3494

PLT NO 038 REV A

DIN 94 814 12-74



DRAWING 44131 25507

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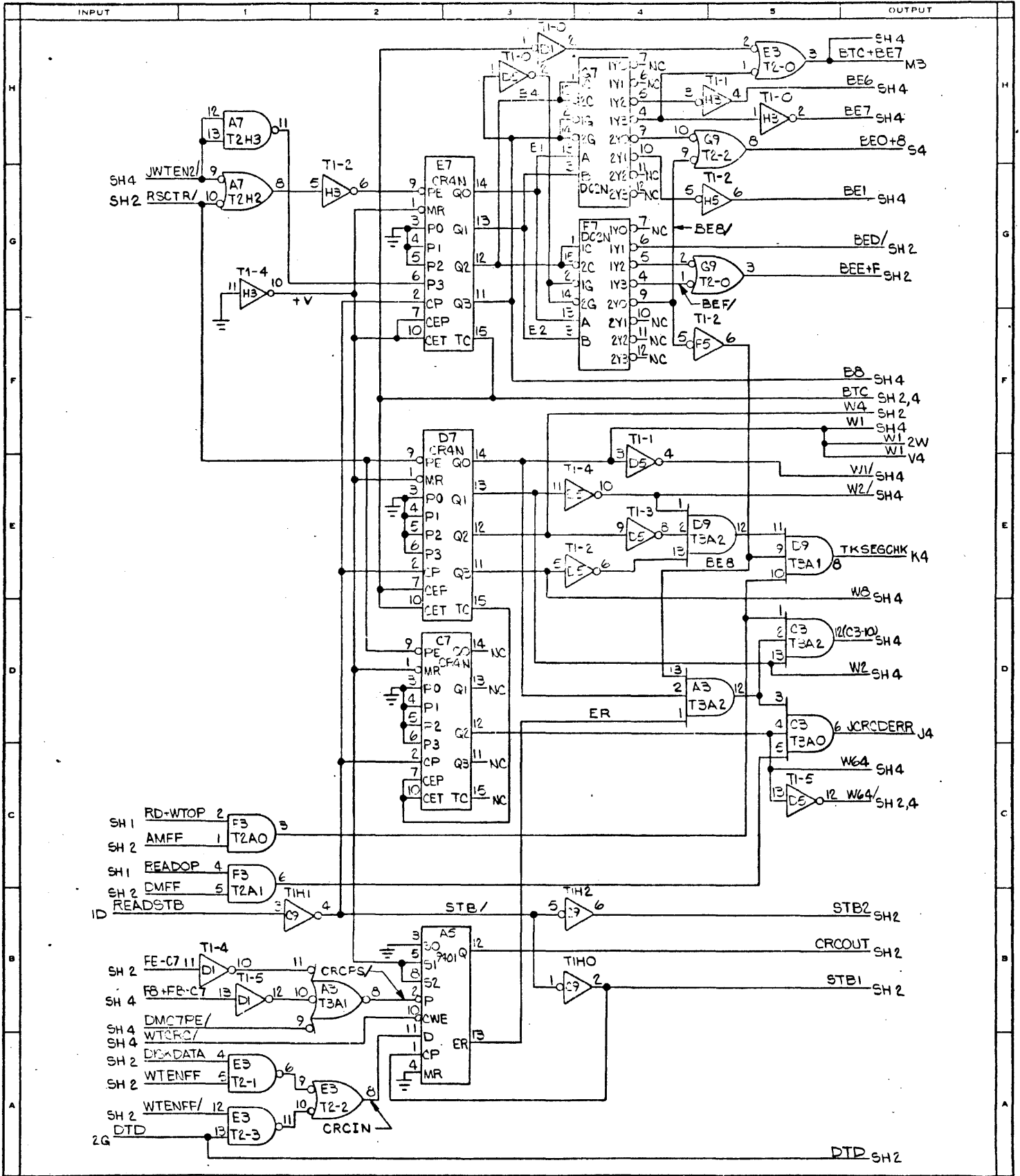
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TITLE		CLASS CODE	
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SHEET	DWG. NO.	PLT. NO.	REV.
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319

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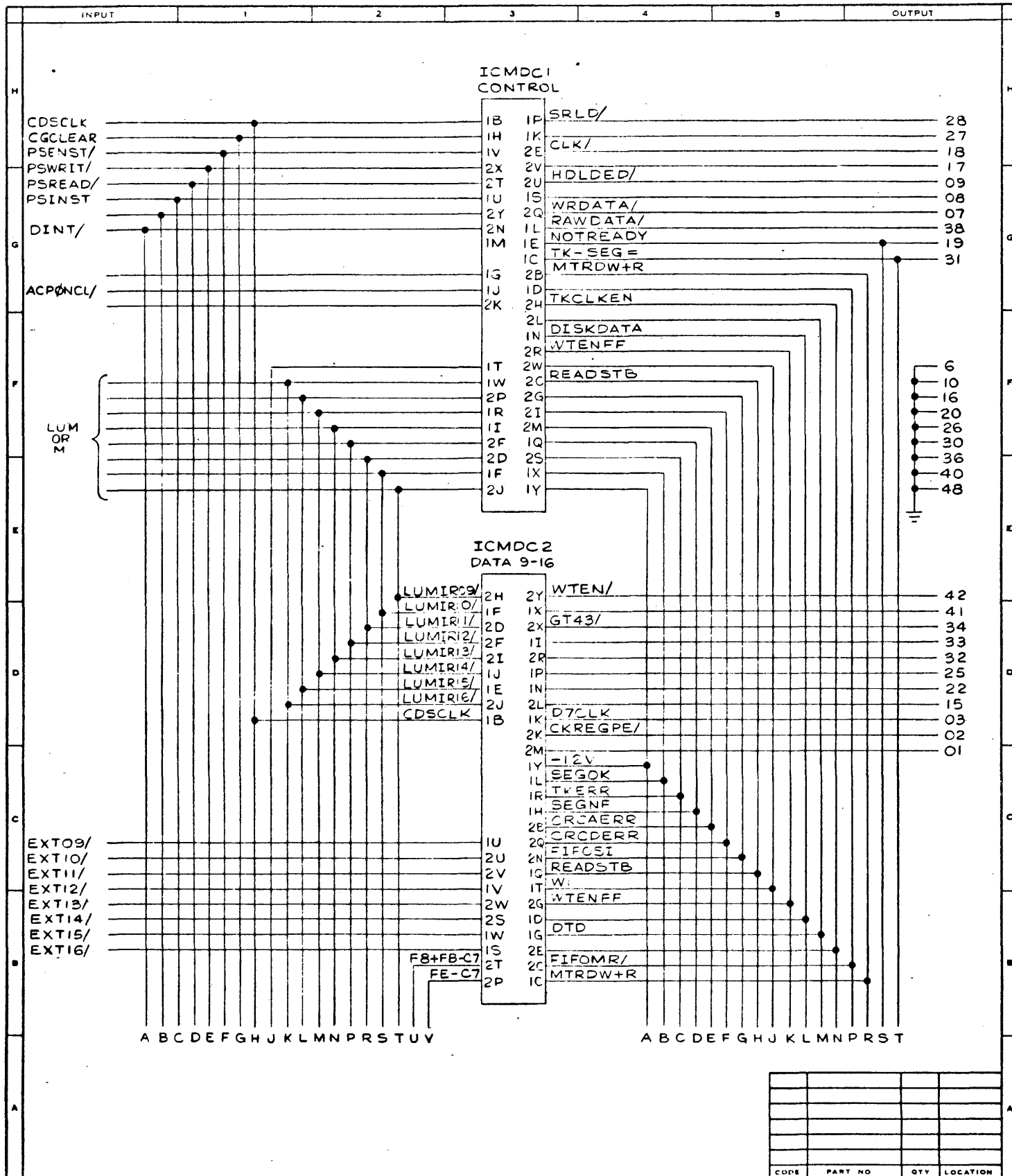
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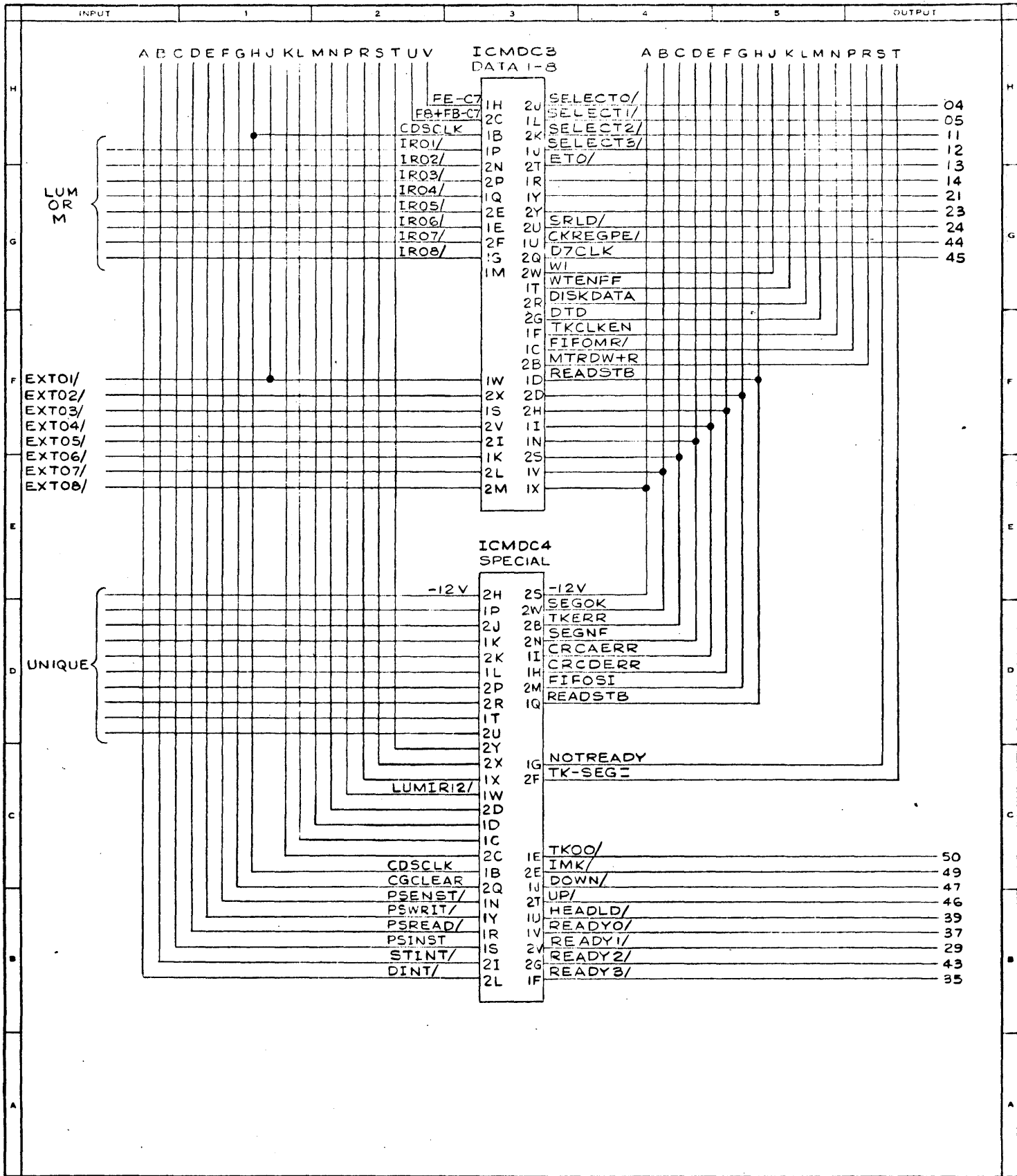
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326 Burroughs Corporation COMPUTER SYSTEMS GROUP DOWNTOWN PLANT DOWNTOWN PA 19338		DOWNTOWN PLANT U.S. AMERICA		326		TITLE: ICMD C DDP WIRING DIAGRAM SHEET (DAG NO) 1 of 2 2609 3971																					
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SMALL SYSTEMS GROUP

DOWNINGTOWN PLANT
DOWNINGTOWN, PENNSYLVANIA 19335



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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 ICMDC1
1	Circuit Card Assembly ICMDC2
1	Circuit Card Assembly ICMDC3
1	Circuit Card Assembly ICMDC4
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:
 - ICMDC1 and ICMDC2
 - ICMDC3 and ICMDC4
- (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	REVREV MPL	M DB	PROD B	LATEST ER/ECN	NDDWG A7D	PARTS U/M	LIST COM.CODE	SS-DP MASTER PARTS LIST	MO DA YR	PAGE
2604 9099	FTR CNTRLR	V		BKH	5307	A	RF	0	GEN 555	12/20/76	1

ITM NO	CONSIST ID	A/D	PART NAME	REVREV MPL	M DB	PROD B U	FFFC IN OUT	ENG USAGE	MFG U/M USAGE	ECN NUMBER	CONSISTENCY	NARRATIVE	LN NO	FLAGS 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	0099	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	
1448	0370	A	CBL ASY, WL	E	B	M	1	0.00	0.00 RF			NO WL CHG AT REV J.	1	
1448	0412	A	CBL ASY, WL	L	F	M	1	0.00	0.00 RF			TIREMAN LINE PRTR B244	0	
1448	0438	A	CBL ASY, WL	D	C	M	1	0.00	0.00 RF			NO WL CHG AT REV A&B.	1	
1448	1691	D	SCH PD1	G			1	0.00	0.00 RF			POT PRTR B245	0	
1448	1709	D	SCH PD2	G			1	0.00	0.00 RF			NO WL CHG AT REV F.	1	
1448	1717	D	SCH PD3	A			1	0.00	0.00 RF			MAG TP B391	0	
1448	1733	D	CL PP				1	33	0.00 RF	4448		ODEC B243	0	
1448	1818	D	SCH TM1	B			1	0.00	0.00 RF			ODEC B243	0	
1448	1824	D	SCH TM2	B			1	0.00	0.00 RF			ODEC B243	0	
1448	1832	D	SCH TM3	C			1	0.00	0.00 RF			POT PRT B245	0	
1448	2392	D	CL CR				1	33	0.00 RF	4448		MAG TP B391	0	
1448	2418	D	CL DC				1	33	0.00 RF	4448		MAG TP B391	0	
1448	2434	D	CL RC				1	33	0.00 RF	4448		MAG TP B391	0	
												80 COL B111	0	
												DSK DR B489	0	
												96 COL B311	0	

330

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	BKM	5367	A	RF	0	GEN 555	12/20/76	2

ITM 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			R		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	

PART NUMBER 332

PART NAME

REV REV M MPL DB B

PRD L A T F ST ER/ECN

MOD DWG PARTS LIST A76 U/M 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 3

ITM NO	CONSIST ID	A/D	PART NAME	REV MPL	REV DB	M B	PRD IN	EFFC OUT	ENG USAGE	MFG U/M USAGE	ECN NUMBER	CONSISTENCY	NARRATIVE	LN NO	FLAGS P D M
1449	2474	D	SCH SPD1			D	33		0.00	0.00 RF	3977	SPD B44/B40		0	
1449	2508	D	SCH SPD2			C	33		0.00	0.00 RF	3977	SPD B44/B40		0	
1449	2532	D	SCH SPD4			B	33		0.00	0.00 RF	3977	SPD B44/B40		0	
1449	3183	D	SCH LCB			C	1		0.00	0.00 RF		SLC B351		0	
1449	3241	D	SCH LCB			B	1		0.00	0.00 RF		SLC B351		0	
1449	3670	D	CONV INST			-	1		0.00	0.00 RF		ODEC B243		0	
1449	4363	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	4421	D	SCH LC3			E	1		0.00	0.00 RF		SLC B351		0	
1449	4454	D	SCH LC4			D	1		0.00	0.00 RF		SLC B351		0	
1449	4488	D	SCH LC5			G	1		0.00	0.00 RF		SLC B351		0	
1449	4512	D	SCH LC7			A	1		0.00	0.00 RF		SLC B351		0	
1449	4892	A	WL,CBLE AY	E	B	M	32		0.00	0.00 RF	3977	80 COL B115		0	
1449	5154	D	SCH CRT1			B	32		0.00	0.00 RF	3977	80 COL B115		0	
1449	5188	D	SCH CRT2			C	32		0.00	0.00 RF	3977	80 COL B115		0	
1449	5212	D	LD CRT3			H	32		0.00	0.00 RF	3977	80 COL B115		0	
1449	5248	D	SCH CRT4			E	32		0.00	0.00 RF	3977	80 COL B115		0	
1449	5360	A	CBL ASY, WL	E	C	M	1		0.00	0.00 RF		SLC B351		0	
												NO WL CHG AT REV C.		1	
1449	5444	D	CL TM				1	33	0.00	0.00 RF	4448	MAG TP B391		0	
1449	5451	D	CL PT				1	33	0.00	0.00 RF	4448	TIREMAN LINE PRTR B244		0	
1449	5675	D	CL SPD				33	33	0.00	0.00 RF	4448	SPD B44		0	
2600	5900	D	SCH CON1				1	35	0.00	0.00 RF	4867	CON1 B276&B306*1		0	
2601	1734	A	CBL ASY, WL	E	B	M	1		0.00	0.00 RF		ODEC B243		0	
2601	3870	D	FII CON 1				34	35	0.00	0.00 RF	4867	B721 B771 [711*1&*2		0	
2601	4910	D	SCH SR1			C	1		0.00	0.00 RF		SORRDR B131		0	
2601	4944	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	5008	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 M	PL DB B	PROD LATEST	ER/ECN	NODWG 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 M	PL DB B U	PROD. IN	EFFC. OUT	ENG USAGE	MFG U/M USAGE	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	SPU CONTROL B346-2		0	
2604	1897	D	LD SP2		B		34	0.00	0.00 RF	4374	SPU CONTROL B346-2		0	
2604	1921	D	LD SP3		B		34	0.00	0.00 RF	4374	SPU CONTROL B346-2		0	
2604	1954	D	LD SP4		A		34	0.00	0.00 RF	4374	SPU CONTROL B346-2		0	
2604	3471	D	WL,SPU ADP		A		34	0.00	0.00 RF	4374	SPU 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	SPU 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	SPU CONTROL B346-2		0	
2605	9840	D	FII SP				38	0.00	0.00 RF	5307	SPU 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	

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PART NUMBER	PART NAME	REV	MPL	M	PROD	LATEST ER/ECN	NODWG A/D	PARTS LIST U/M	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	5

ITM NO	CONSIST ID	A/D	PART NAME	REV	MPL	M	B	PROD	FFFC	ENG USAGE	MFG U/M	ECN NUMBER	CONSISTENCY	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 YPP		R			34		0.00	0.00 RF	4374	P TP PUN B221		0	
2606	3933	D	FII PO		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	395A	D	FII PP		B			34		0.00	0.00 RF	4374	POTR LN PRTR B245		0	
2606	3966	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	4006	D	FII MX		A			34		0.00	0.00 RF	4374	DISK MULTIPLXR B489-4		0	
2606	458A	D	FII DEK		A			34		0.00	0.00 RF	4495	DATA ENTRY KEYSTATION		0	
2606	4816	D	FII SPO		B			34		0.00	0.00 RF	4374	SPU B44		0	
2606	5102	D	LD,SR3		B			36		0.00	0.00 RF	4392A	RDRSOR W ENDORSER OPT		0	
2606	5136	D	LD,SR4		A			36		0.00	0.00 RF	4392A	RDRSOR W ENDORSER OPT		0	
2606	5185	D	WL,SR		A			36		0.00	0.00 RF	4392A	RDRSOR 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	965R	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	REV M	PROD	LATEST ER/ECN	NODWG A/D	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	6

ITM NO	CONSIST ID	A/O	PART NAME	REV	REV M	B	PROD. IN	EFFC. OUT	ENG USAGE	MFG U/M	ECN NUMBER	CONSISTENCY	NARRATIVE	LN NO	FLAGS 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

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