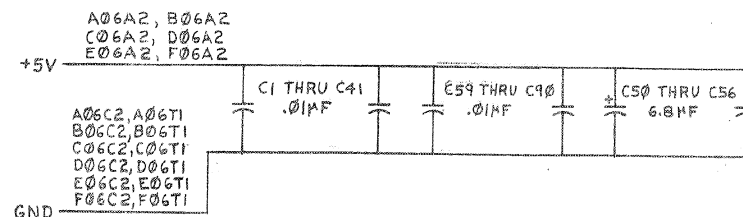
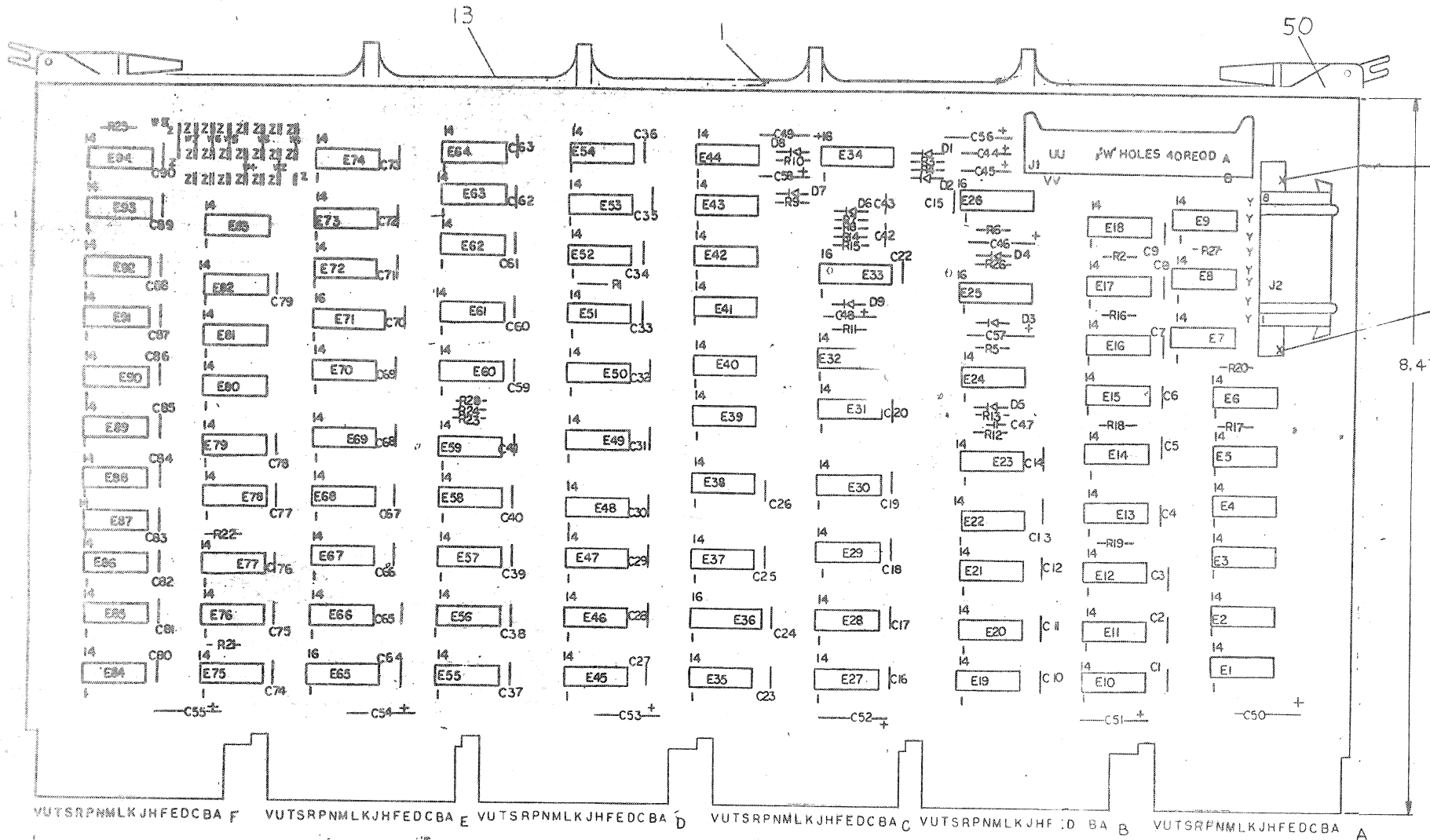


NOTES:

- PIN NOTATION THROUGHOUT IS ORDERED UPON MODULE PLACEMENT IN THE K011-A PROCESSOR. MODULE REFERENCE ALONE IS OBTAINED BY DELETING THE NUMBER (SLOT LOCATION) AFTER THE LETTER.
- ALL SIGNALS THAT HAVE MODULE PINS ARE SO NOTED. OUTPUT SIGNALS WITH MODULE PINS ARE BROUGHT TO THE RIGHT SIDE OF THE PRINT.

- PROCESSOR SIGNAL PREFIX NOTATION (K2-1, FOR EXAMPLE) IDENTIFIES THE SIGNAL SOURCE (PRINT AND MODULE). THE FIRST NUMBER AFTER THE K INDICATES THE MODULE PRINT SET, WHILE THE SECOND INDICATES THE SHEET WITHIN THE SET. SIGNALS WITH A "BUS" PREFIX REPRESENT A "WIRED OR" SITUATION, AND MULTIPLE SOURCES FOR THE SIGNAL CAN EXIST.
- UNLESS OTHERWISE NOTED: RESISTANCE IS IN OHMS; CAPACITANCE IS IN PICOFARRADS.

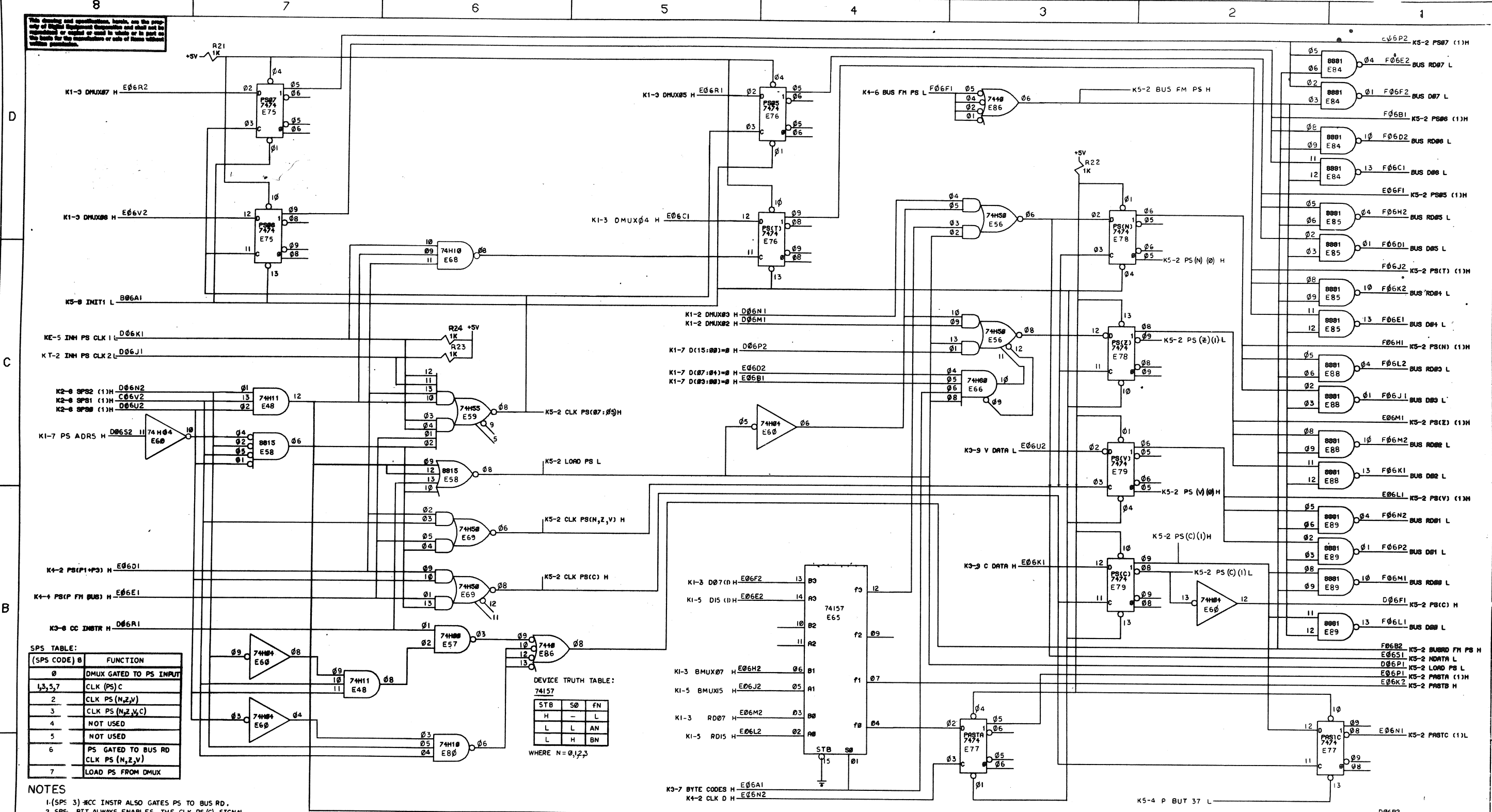


DEC 74157	8	16
DEC 74123	8	16
DEC 0251	8	16
DEC 380	1	8
IC TYPE	GND	+5V
GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY. EXCEPTIONS ARE STATED ABOVE.		
IC PIN LOCATIONS		

8		INSULATED JUMPER L-2007-1	9007185	53
2		HEX NUT NYLON	9007992	52
23		SPLIT LUG	9006735	51
12		EYELET	9006732	50
2		SHOULDER WASHER FIBER (BLK)	9006673	49
2		SCREW NYLON	9006401-4	48
1	E65	I.C. DEC 74157	1910655	47
4	E25,E26,E33,E34	I.C. DEC 74123	1910436	46
4	E24,E45,E60,E82	I.C. DEC 74H04	1909731	45
5	E13,E37,E58,E70,E81	I.C. DEC 8815	1909713	44
5	E16,E84,E85,E88,E89	I.C. DEC 8881	1909705	43
7	E1 THRU E4,E20,E29,E41	I.C. DEC 7404	1909686	42
1	E52	I.C. DEC 74H74	1909667	41
2	E36,E71	I.C. DEC 8251	1909594	40
1	E15	I.C. DEC 380	1909485	39
4	E14,E40,E48,E72	I.C. DEC 74H11	1909267	38
1	E55	I.C. DEC 74H61	1909065	37
1	E66	I.C. DEC 74H60	1909064	36
1	E59	I.C. DEC 74H55	1909063	35
2	E91,E92	I.C. DEC 74H53	1909052	34
2	E63,E67	I.C. DEC 74H52	1909051	33
4	E47,E56,E69,E87	I.C. DEC 74H50	1909060	32
1	E62	I.C. DEC 74H21	1909058	31
4	E7,E68,E80,E83	I.C. DEC 74H10	1909057	30
2	E57,E90	I.C. DEC 74H00	1909056	29
7	E5,E27,E28,E35,E39,E49,E54	I.C. DEC 7402	1909004	28
1	E46	I.C. DEC 74H20	1908535	27
3	E17,E18,E86	I.C. DEC 74H40	1908586	26
2	E31,E64	I.C. DEC 7450	1908580	25
2	E9,E94	I.C. DEC 7430	1908578	24
4	E8,E19,E43,E93	I.C. DEC 7420	1908577	23
3	E38,E51,E53	I.C. DEC 7410	1908576	22
7	E11,E21,E22,E23,E30,E73,E74	I.C. DEC 7400	1908575	21
13	E6,E10,E12,E32,E42,E44,E50,E61,E75 THRU E79	I.C. DEC 7474	1908547	19
4	R3,R4,R5,R6	RES 18K 1/4W ±5%	1302445	18
4	R9,R10,R11,R15	RES 12K 1/4W ±5%	1300488	17
16	R1,R2,R14,R16 THRU R28	RES 1K 1/4W ±5%	1300363	16
2	R8,R12	RES 470 Ω 1/4W ±5%	1300318	15
2	R7,R13	RES 220 Ω 1/4W ±5%	1300271	14
1		HANDLE MODULE	1210711-02	13
8		PINS SOCKET AMP	1209456	12
1	J1	CONN RIGHT ANGLE HEADER	1209441	11
1	J2	CONN PIN HOUSING	1209340	10
9	D1 THRU D9	DIODE D664	1100114	9
7	C50 THRU C56	CAP 6.8MF 35V ±10% TANT	1005306	8
2	C46,C57	CAP 15MF 20V ±10% TANT	1004812	7
1	C48	CAP 2.2MF 20V ±10% TANT	1002627	6
1	C58	CAP 1MF 35V ±10% TANT	1001776	5
73	C1 THRU C41 C59 THRU C90	CAP .01MF 100V ±20% DISC	1001610	4
3	C44,C45,C49	CAP 3.9MF 10V ±10% TANT	1000064	3
3	C42,C43,C47	CAP 680 PF 100V ±5% D.M.	1000026	2
1		ETCH CIRCUIT BOARD	5009984	1
QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM

FIRST USED ON OPTION MODEL PDP 11				ETCH BOARD REV				D E			
PARTS LIST				TITLE				STATUS			
DRN. <i>Shingler</i> DATE 7-25-72 CHKD. <i>Shingler</i> DATE 7/26/72 ENR. <i>Shingler</i> DATE 7/31/72 PROJ. <i>Shingler</i> DATE 7/31/72 PROJ. <i>Shingler</i> DATE 8-7-72				EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				K5-1			
DEC NO. <i>11235-0001</i> EIA NO. <i>11235-0001</i> CHANGE NO. <i>1</i>				D664 IN 3634				DCS M7235-0-1			
SEMICONDUCTOR CONVERSION CHART											

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SPS TABLE:

(SPS CODE) B	FUNCTION
0	DMUX GATED TO PS INPUT
1,3,5,7	CLK PS(N,Z,V)
2	CLK PS(N,Z,V)
3	CLK PS(N,Z,V,C)
4	NOT USED
5	NOT USED
6	PS GATED TO BUS RD CLK PS(N,Z,V)
7	LOAD PS FROM DMUX

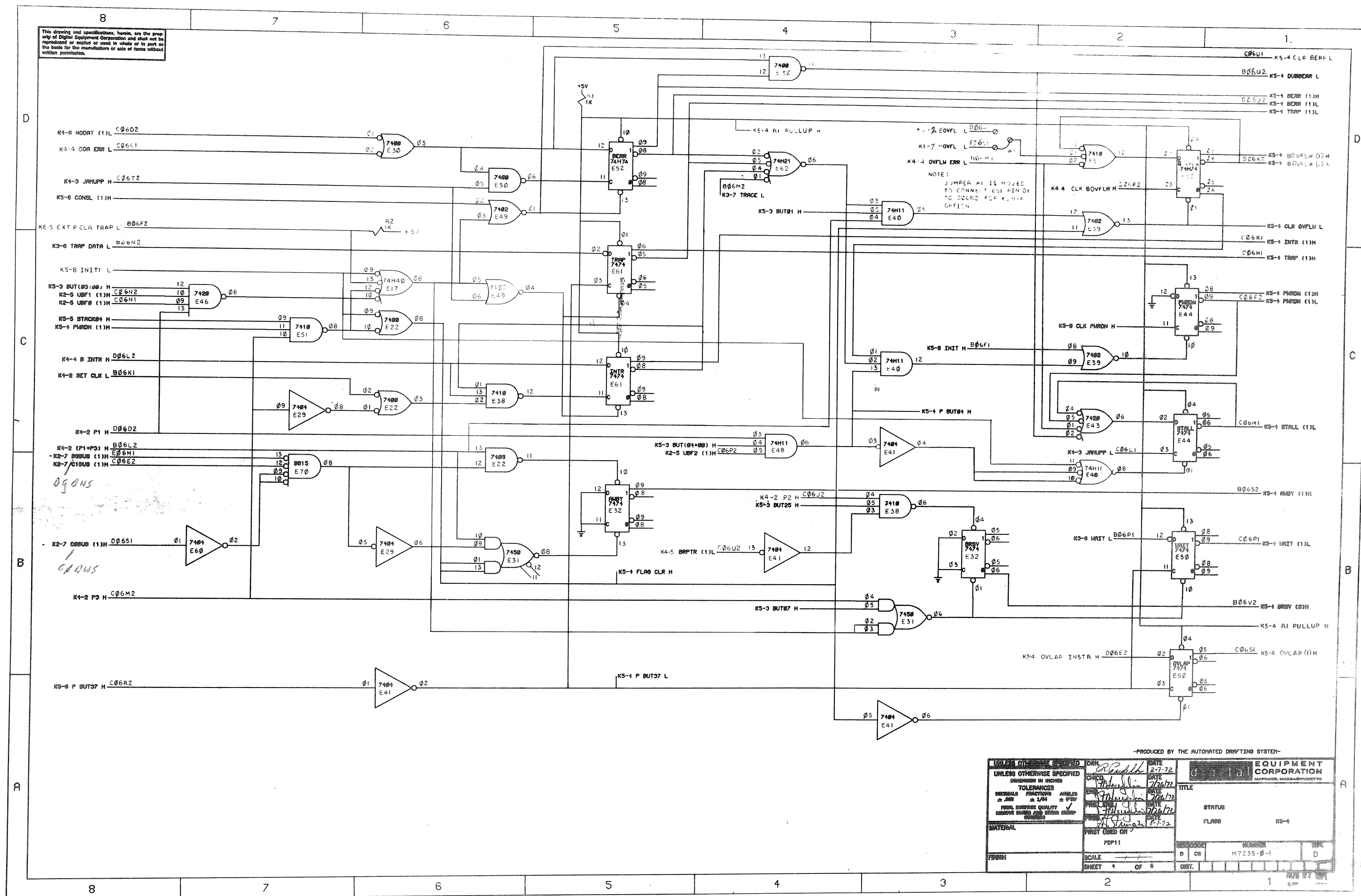
DEVICE TRUTH TABLE:
74157

STB	S0	FN
H	-	L
L	L	AN
L	H	BN

WHERE N=0,1,2,3

NOTES
 1. (SPS 3) *CC INSTR ALSO GATES PS TO BUS RD.
 2. SPS1 BIT ALWAYS ENABLES THE CLK PS(C) SIGNAL.
 3. SPS1 BIT ALWAYS ENABLES THE CLK PS(N,Z,V) SIGNAL.

UNLESS OTHERWISE SPECIFIED		DATE	2-4-72
DIMENSION IN INCHES		DATE	7/26/72
TOLERANCES		DATE	7/26/72
DECIMALS	FRACTIONS	DATE	7/26/72
± .005	± 1/64	DATE	7/26/72
FINISH SURFACE QUALITY		DATE	7/26/72
REMOVE BURRS AND BREAK SHARP CORNERS		DATE	7/26/72
MATERIAL		DATE	7/26/72
FINISH		DATE	7/26/72
FIRST USED ON		DATE	7/26/72
POP11		DATE	7/26/72
SCALE		DATE	7/26/72
SHEET 2 OF 8		DATE	7/26/72
DIST.		DATE	7/26/72
STATUS		DATE	7/26/72
PS (07:00) K5-2		DATE	7/26/72
NUMBER		DATE	7/26/72
M7235-0-1		DATE	7/26/72
REV.		DATE	7/26/72
D		DATE	7/26/72



FINAL

