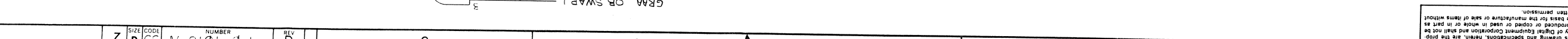
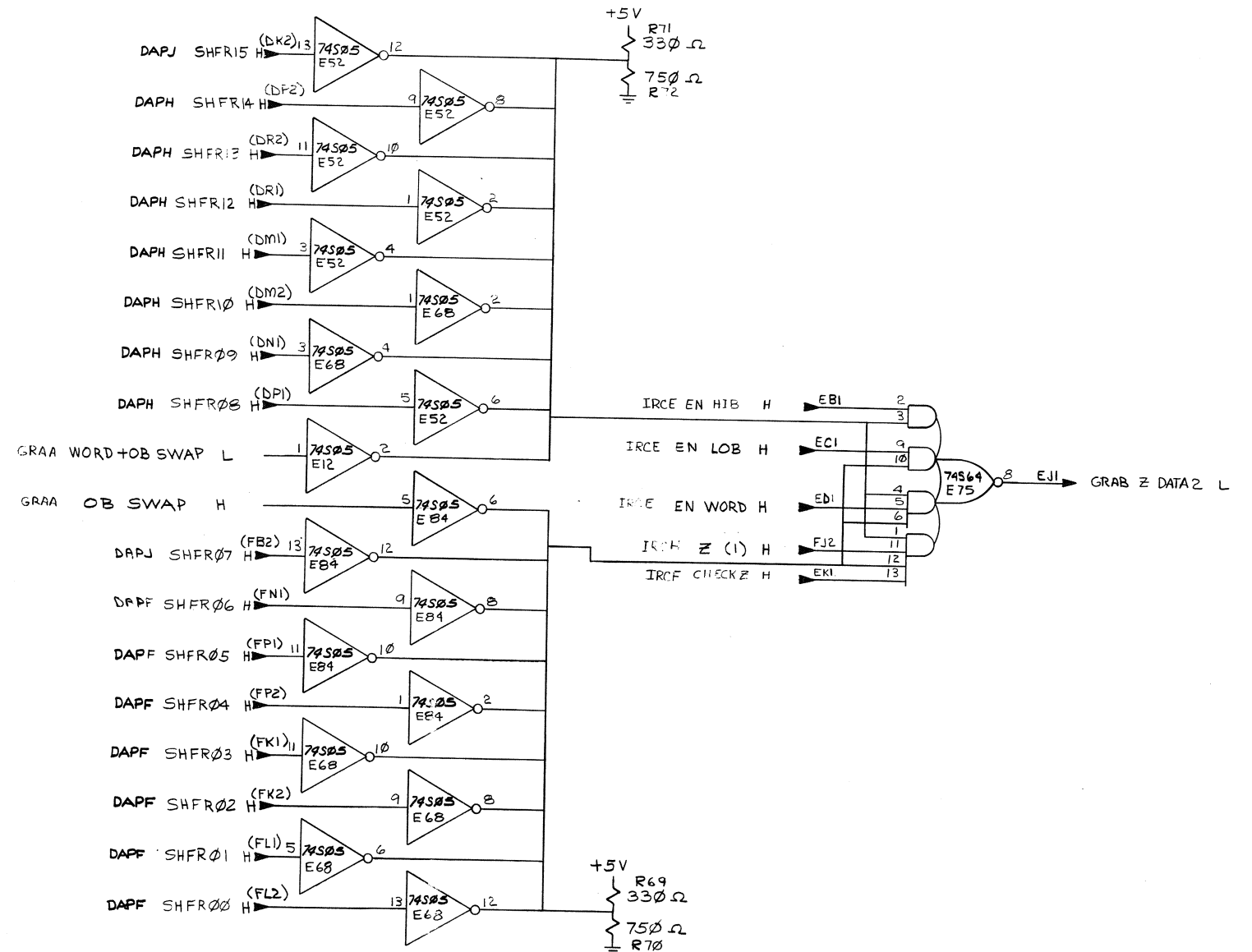
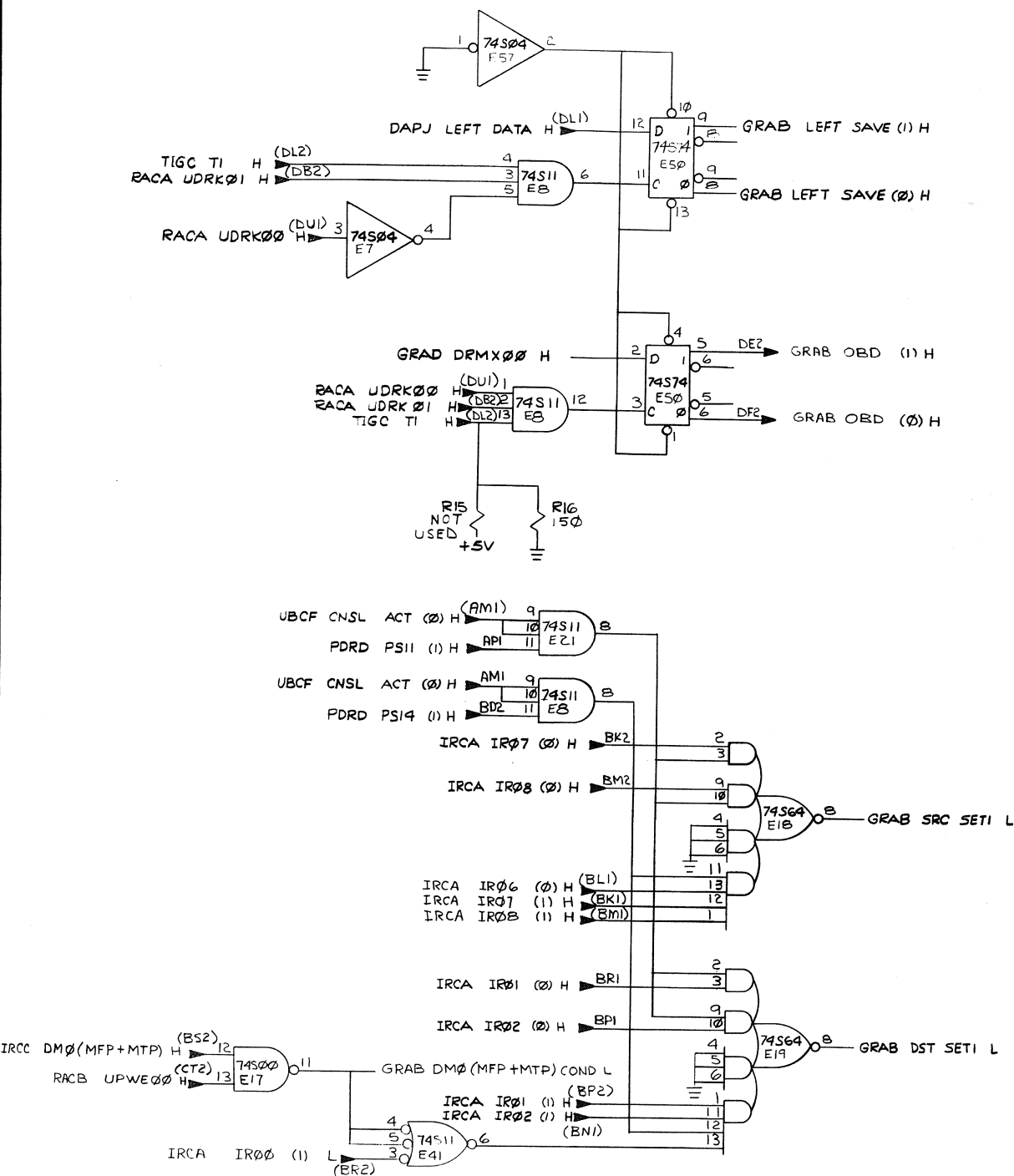


1	2	SIZE D	CODE CS	NUMBER M 2171-1-1	REV D
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FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
11/45					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		PARTS LIST			
DECIMALS	ANGLES	TITLE			
.XXX = .005	±0° 30'	GENERAL REGS.			
.XX = .02		#ALU CNTL			
.X = .1					
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		NEXT HIGHER ASSY.			
MATERIAL		B-DD-KB11-5			
FINISH		SCALE 3 OF 10			
		SHEET 3 OF 10			
		DISTRIBUTION			

SHIFTER = 0 DETECTOR; MSC. LOGIC

SLOT 7

1-0-1018W S0 a 2

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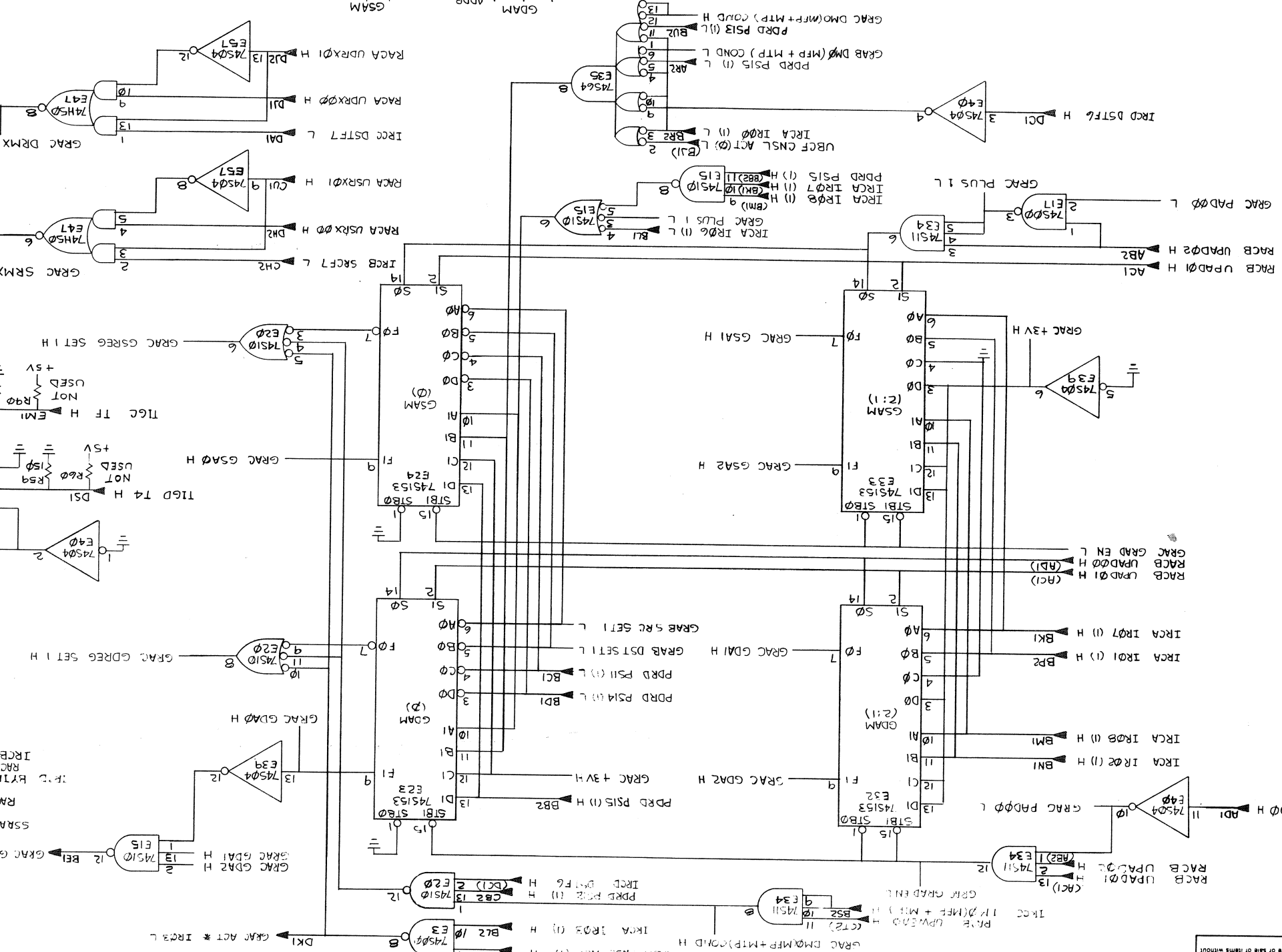
97

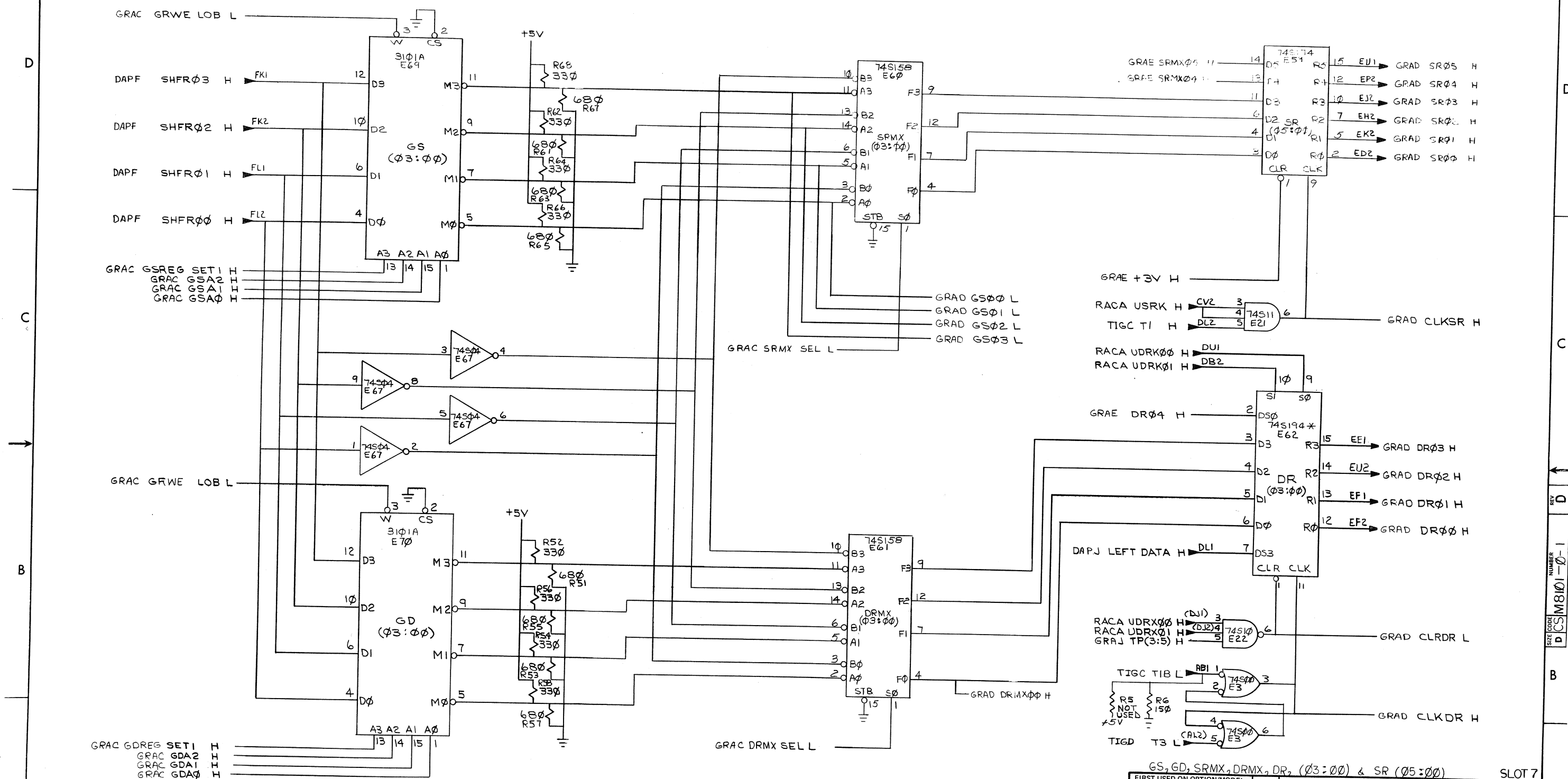
98

99

100

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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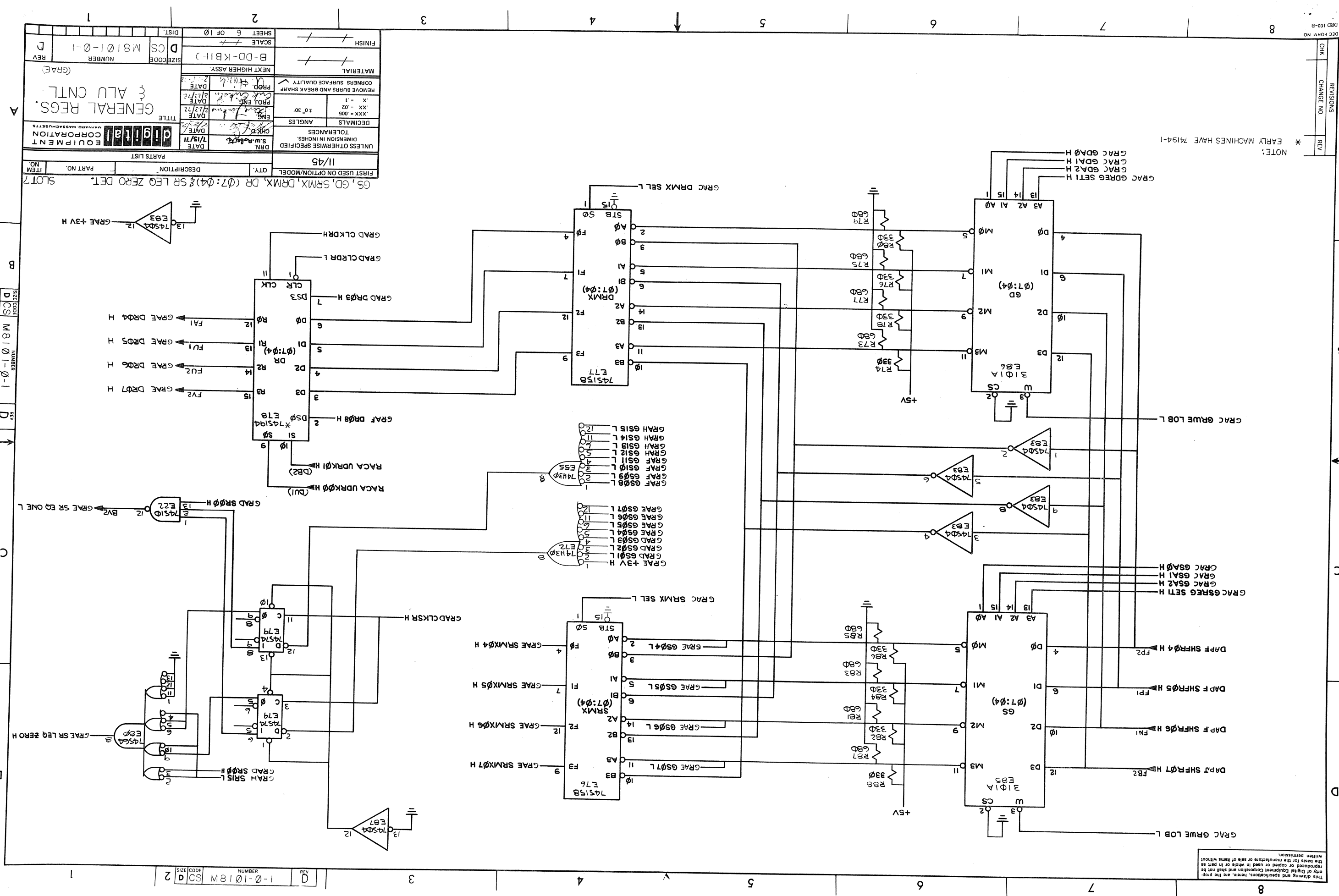
NOTE:
* EARLY MACHINES HAVE 74194-1

74S194	SI	SØ	74S158	SØ	OUTPUT
L	L	NO-OP	L	A	→ C
L	H	SHIFT RIGHT (DSØ)	H	B	→ F
H	L	SHIFT LEFT (DSØ)			
H	H	LOAD			

GS, GD, SRMX, DRMX, DR, (03=00) & SR (05=00)		SLOT 7	
FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION
11/45			PARTS LIST
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DRN. CHK'D ENG. PROJ. EKG. PROD.	DATE 7-13-71 1-28-72 2-27-72 2-27-72 2-28-72
DECIMALS .XXX = .005 .XX = .02 .X = .1	ANGLES ± 0° 30'	TITLE GENERAL REGS. & ALU. CNTL	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓		(GRAD)	
MATERIAL	NEXT HIGHER ASSY.	SIZE	CODE
FINISH	B-DD-KB1-U	NUMBER	REV.
	SCALE	D	18181-0-1
	SHEET 5 OF 10	DIST.	D

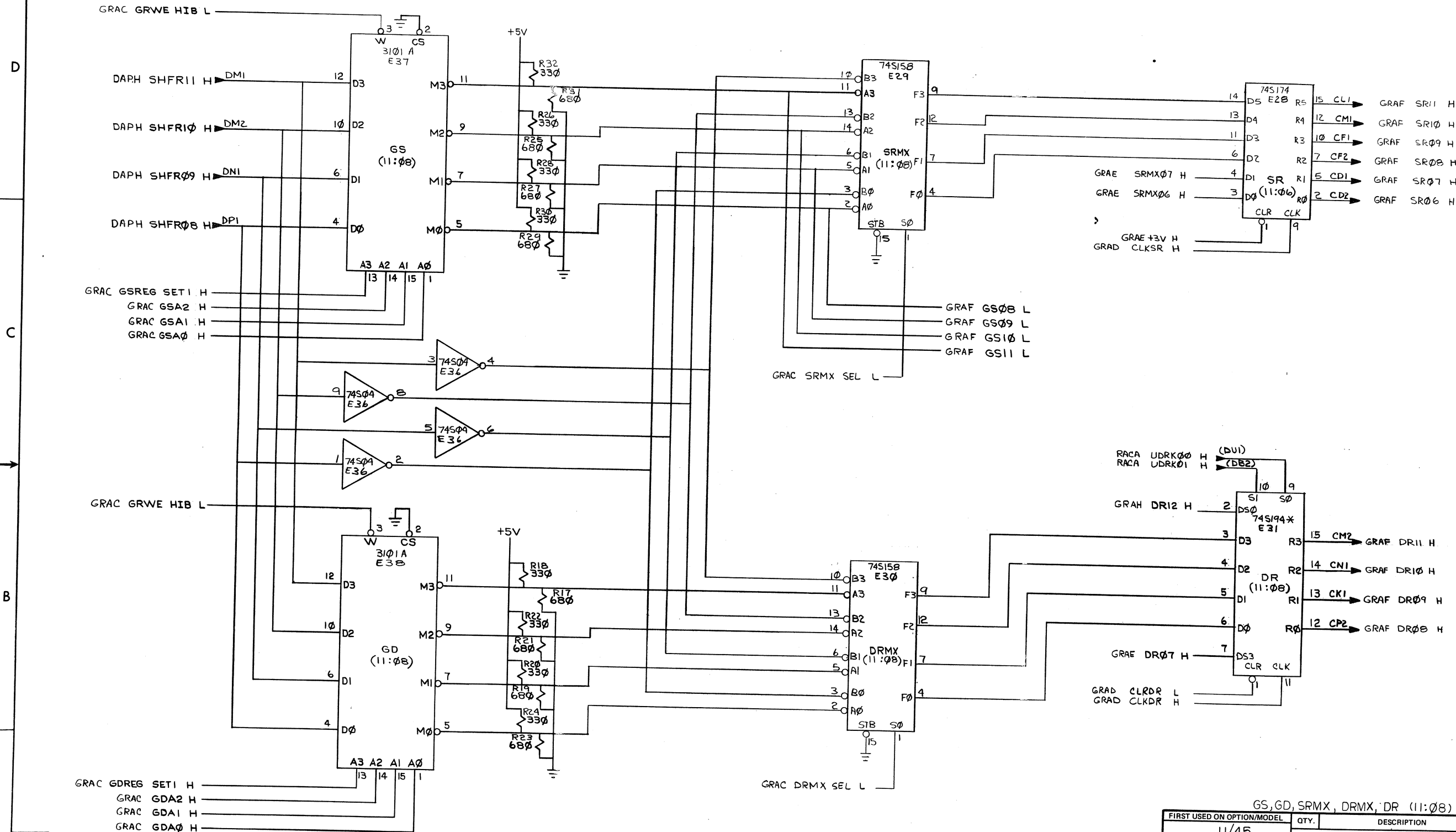
REVISIONS		
CHK	CHANGE NO.	REV.

* EARLY NOTE;



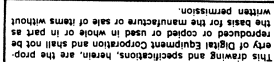
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Q 1013 W 50 2 1



NOTE:
* EARLY MACHINES HAVE 74194-1

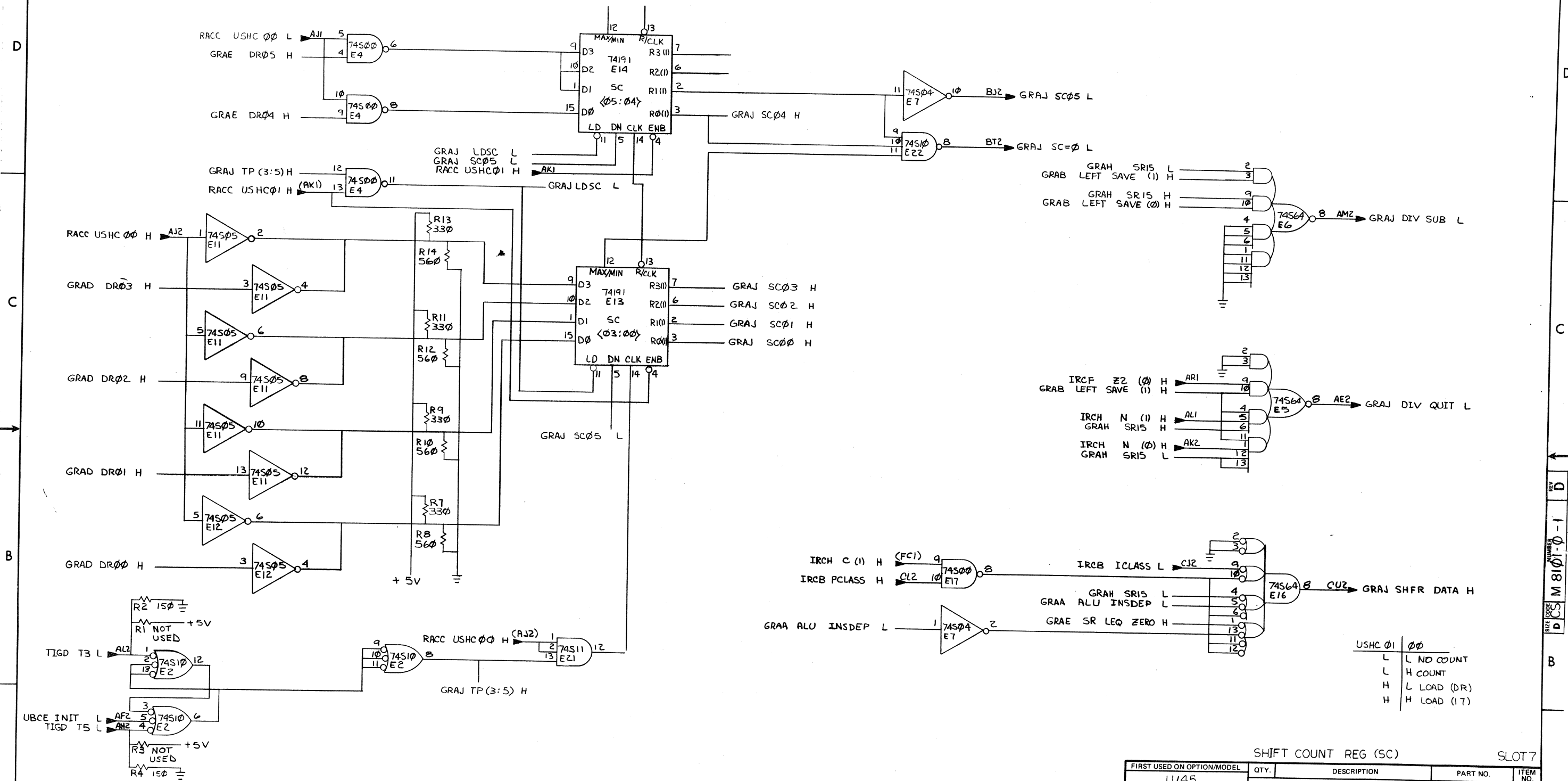
FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
11/45					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN.	DATE	PARTS LIST	
DECIMALS		CHK'D	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
ANGLES		ENG.	DATE	TITLE	
.XXX = .005		PROJ. ENG.	DATE	GENERAL REGS & ALU CNTL	
.XX = .02		PROD.	DATE	(GRAF)	
.X = .1				REV.	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				D	
MATERIAL		NEXT HIGHER ASSY.		SIZE CODE	
FINISH		B-DD-KB110		NUMBER	
		SCALE		DCS M8101-0-1	
		SHEET		OF 10	



DEL	STX	GS, GD, SRMX, DRMX, SR & DR (15:12)	SLOT 7
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D

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USHC 01 00
L L NO COUNT
L H COUNT
H L LOAD (DR)
H H LOAD (17)

SHIFT COUNT REG (SC)

SLOT 7

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
11/45				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DECIMALS	ANGLES	DATE	TITLE	
.XXX = .005	±0° 30'	DATE	GENERAL REGS	
.XX = .02		DATE	8 ALU CNTL	
.X = .1		DATE	(GRAJ)	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		DATE	REV.	
MATERIAL		DATE	D	
FINISH		DATE	D	
NEXT HIGHER ASSY.		DATE	D	
B-DD-K641-0		DATE	D	
SCALE		DATE	D	
SHEET 9 OF 10		DATE	D	

ALU CNTL ROM								DM8598-AD							
M7	ROMM							M6	ROMC						
M5	ROMSHFS1							M4	ROMHFS0						
M3	ROMS3							M2	ROMS2						
M1	ROMS1							M0	ROMS0						

INSTRUCTION DEP.	ALU FUNCTION	(RACC VALU (2:0)=7)
F=A	F=A PLUS A PLUS CBIT	F=A
F=A PLUS A	F=A	F=A PLUS A
NOT INST. DEP.	F=B	F=B
F=B	F=B	F=B
N : F=MINUS 1 : N : F=B	F=B	F=B
F=A PLUS 1	F=A MINUS 1	F=A
F=A PLUS C BIT	F=A MINUS C BIT	F=A
F=A MINUS B	F=B	F=A MINUS B
F=A MINUS B MINUS 1	F=AB	F=AB
F=AB	F=AB	F=AB
F=A PLUS B	NO - SHIFT	NO - SHIFT
F=A MINUS B	NO - SHIFT	NO - SHIFT
F=A PLUS A PLUS DRIS	NO - SHIFT	NO - SHIFT
NOT INST. DEP.	NO - SHIFT	NO - SHIFT
F=A PLUS A PLUS DRIS	NO - SHIFT	NO - SHIFT
F=A * B	NO - SHIFT	NO - SHIFT
NOT INST. DEP.	NOT INST. DEP.	NOT INST. DEP.
F=A PLUS A PLUS DRIS	NOT INST. DEP.	NOT INST. DEP.
SWAP BYTES	SWAP BYTES	SWAP BYTES

FIRST USED ON OPTION/MODEL						11/45													
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES.						TOLERANCES		DECIMALS		ANGLES		XXX = .005 XX = .02 X = .1		REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓		MATERIAL		FINISH	
DRN						CHKR		ENG		PROJ ENG		PAPD		NEXT HIGHER ASSY		B-DD-K-B11-0		SCALE NONE	
QTY.						DATE		DATE		DATE		DATE		SIZE CODE		CS M8101-0-1		DIST.	
PART NO.						ITEM NO.		PARTS LIST		EQUIPMENT CORPORATION		MAINTAIN WORKSHOPS		TITLE		GENERAL REGS.		(GAK)	