

TECHNICAL MANUAL

for

MODIFIED CP-642B COMPUTER

for use with

EMU

VOLUME II

SECTION 8

PX 4404-2-1

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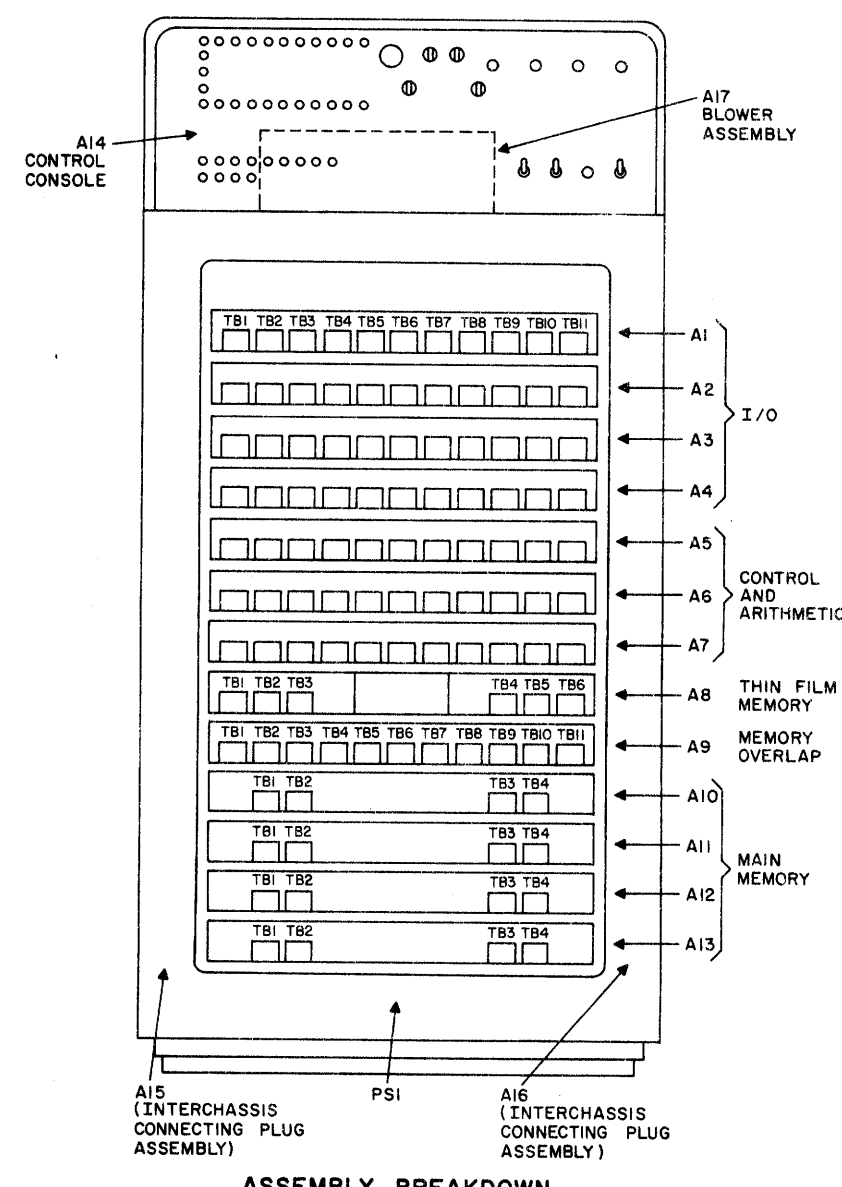
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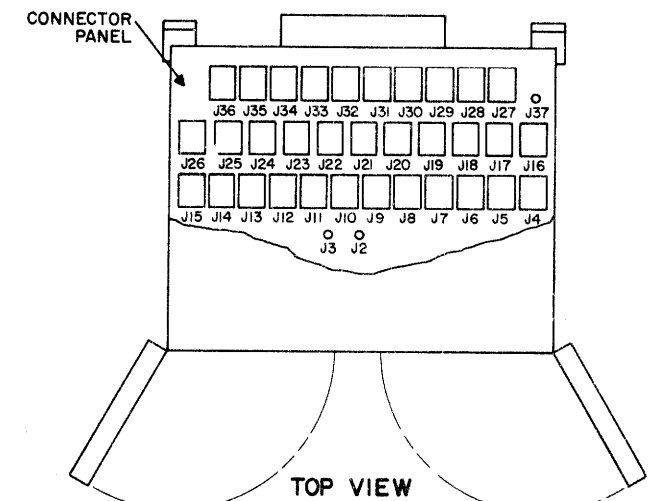
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8-341.	Chassis Map, Chassis 8 Part 1	7032765(1)B	
8-342.	Chassis Map, Chassis 8 Part 2	7032765(2)B	
8-343.	Chassis Map, Chassis 9 Part 1	7075299(1)	
8-344.	Chassis Map, Chassis 9 Part 2	7075299(2)	
8-345.	Chassis Map, Main Memory 10, 12 Part 1	7032768(1)A	
8-346.	Chassis Map, Main Memory 10, 12 Part 2	7032768(2)A	
8-347.	Chassis Map, Main Memory 11, 13 Part 1	7032767(1)A	
8-348.	Chassis Map, Main Memory 11, 13 Part 2	7032767(2)A	

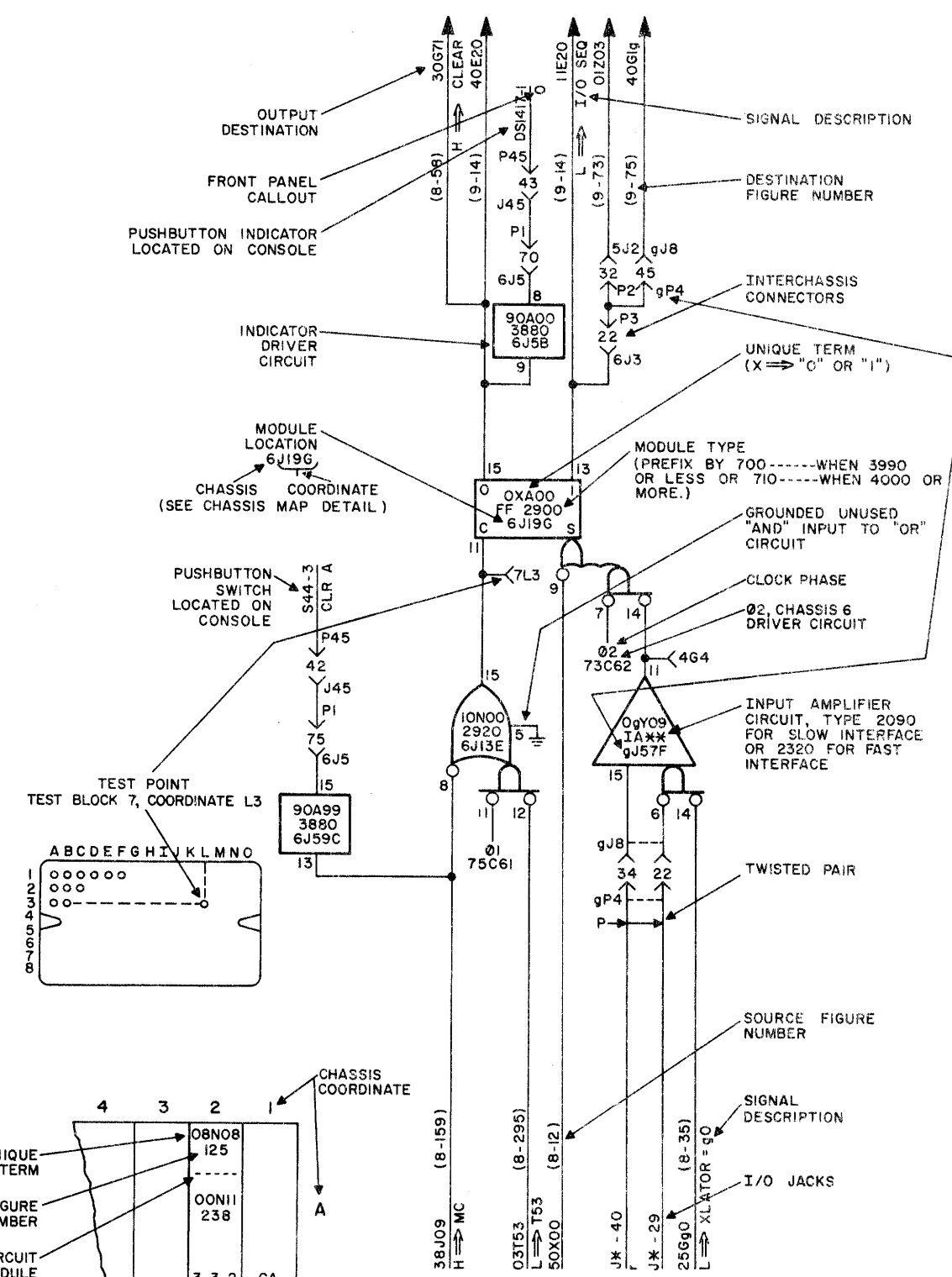
REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVED



ASSEMBLY BREAKDOWN

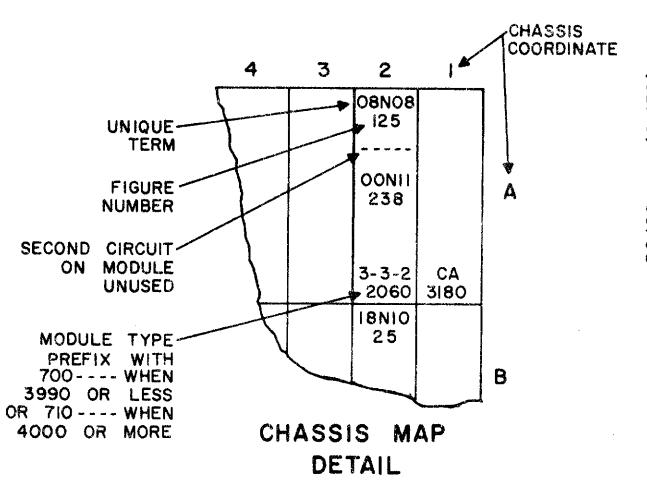


TOP VIEW



THE "g" NOMENCLATURE HAS BEEN USED ON I/O AND MEMORY FUNCTIONAL SCHEMATICS AND CHASSIS MAPS WHERE THE USE OF A SINGLE PRINT DEPICTS THE SAME CIRCUITRY ON MORE THAN ONE CHASSIS.

- NOTES:
- THE SYMBOL, \Rightarrow , REPRESENTS THE TERM "IMPLIES."
 - NON-STANDARD ABBREVIATIONS
 - ACT --- ACTIVE
 - ACK --- ACKNOWLEDGE
 - ADD --- ADDRESS
 - ADV --- ADVANCE
 - BK --- BANK
 - COMP --- COMPLEMENT
 - CH --- CHASSIS
 - CM --- CONTROL MEMORY
 - CMT --- CONTROL MEMORY TIMING
 - EAB --- END - AROUND - BORROW
 - EAC --- END - AROUND - CARRY
 - EF --- EXTERNAL FUNCTION
 - EN --- ENABLE
 - EI --- EXTERNAL INTERRUPT
 - EII --- EXTERNAL INTERRUPT INHIBIT
 - EIM --- EXTERNAL INTERRUPT MONITOR
 - EIR --- EXTERNAL INTERRUPT REQUEST
 - GRP --- GROUP
 - I --- INITIAL
 - IC --- INTERCOMPUTER
 - ICM --- INTERCOMPUTER MONITOR
 - IDM --- INPUT DATA MONITOR
 - IDME --- INPUT DATA MONITOR ENABLE
 - IDR --- INPUT DATA REQUEST
 - IDS --- INPUT DATA SELECTOR
 - INH --- INHIBIT
 - INST --- INSTRUCTION
 - INT --- INTERRUPT
 - JP --- JUMP
 - MC --- MASTER CLEAR
 - ME --- MONITOR ENABLE
 - MEM --- MEMORY
 - MON --- MONITOR
 - MTS --- MAIN TIMING SPECIAL
 - MULT --- MULTIPLY
 - ODME --- OUTPUT DATA MONITOR ENABLE
 - OS --- OUTPUT SELECTOR
 - REC --- RECOVERY
 - RTC --- REAL TIME CLOCK
 - SMP --- SYSTEM MONITORING PANEL
 - SPEC --- SPECIAL
 - SR --- SPECIAL REGISTER
 - STR --- STORE
 - TERM --- TERMINATE



CHASSIS MAP DETAIL

IDENT NO. 7032385-00

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UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS 3 PLACE DECIMALS ANGLES	DRAFTSMAN R. M. BECKMAN	9-14-65	A
HOLE DIAMETER TOLERANCE Ø THRU .250 ±.003 Ø THRU .500 ±.005 Ø THRU .750 ±.005 Ø THRU 1.000 ±.010 Ø THRU 1.500 ±.015 Ø THRU 2.000 ±.020	CHECKER B. POPOV		
THREADS: EXPL. CL. INT. CL. 2B	ENGINEER D.L. WILSON		
MATERIAL	APPROVAL <i>[Signature]</i>		
FINISH			

QTY	FIND	REF DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNIVAC DIVISION OF SPERRY RAND CORPORATION						
TITLE LOGIC SYMBOLY						
CODE IDENT NO.	SIZE	DWG NO.				
90536	D	7032385				
SCALE	WEIGHT	SHEET		OF		

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED

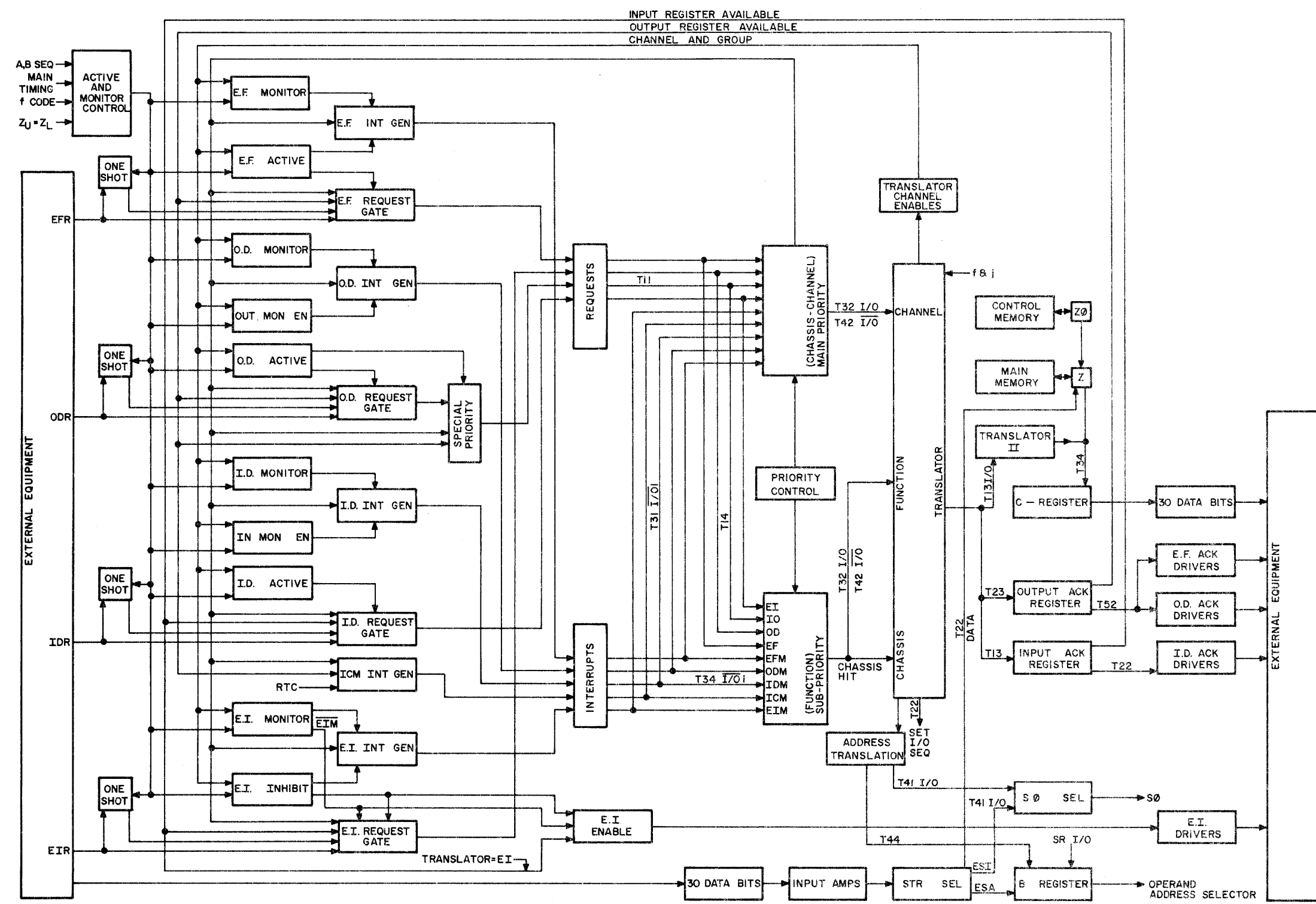


FIGURE 8-3

IDENT NO. 7032731-00

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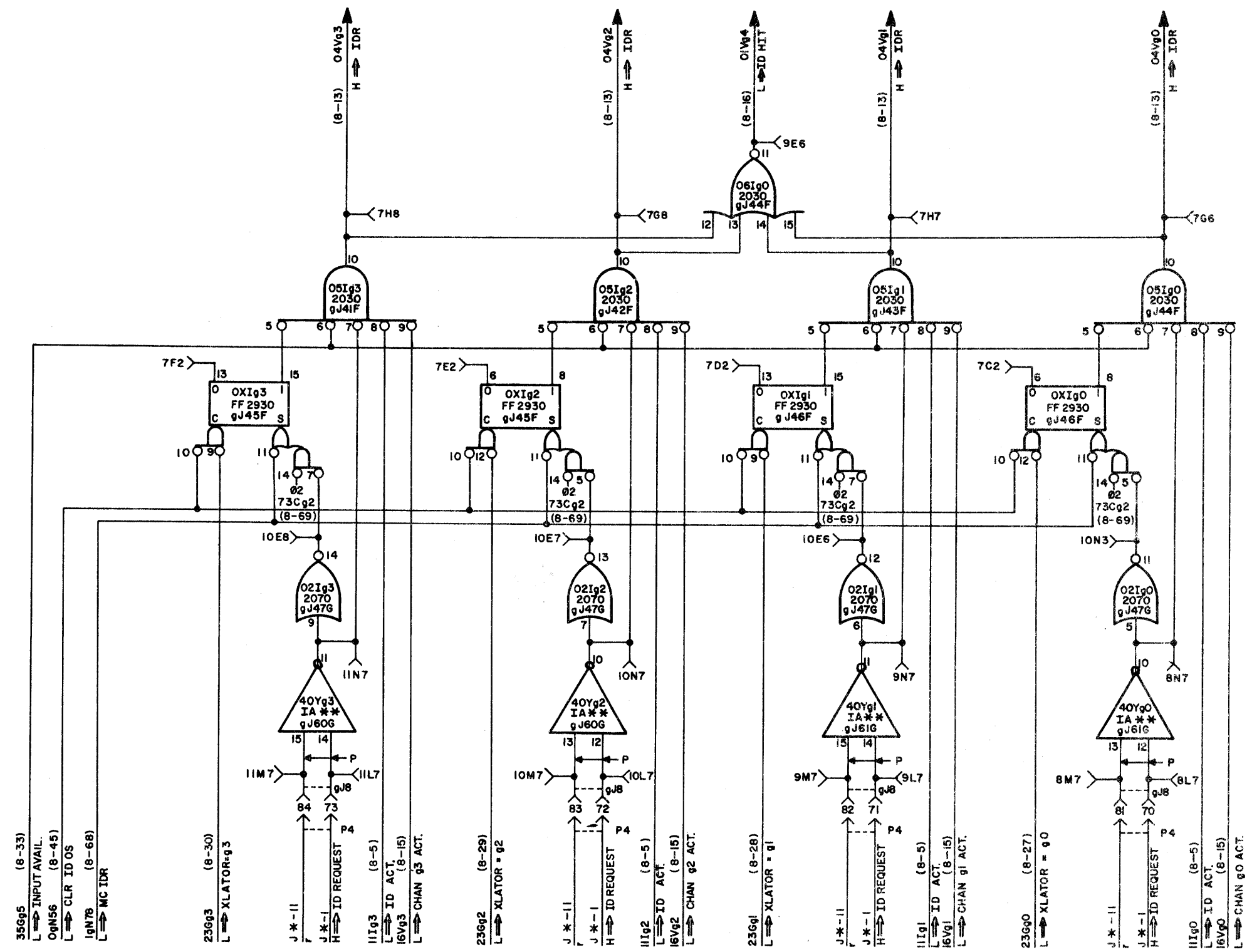
UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES TOLERANCE IN 2 PLACE DECIMALS 3 PLACE DECIMALS ANGLES	DRAFTSMAN	3-24-65	A
INCH DIMENSION TOLERANCE 0 THRU .250 -.003 .251 THRU .500 -.005 .501 & LARGER -.010	CHECKER	R.P. 9-15-65	
THREADS: EXCEPT AS INT. CL. 2B	ENGINEER	R. OULICKY 9-15-65	
	APPROVAL	A.U. Morgan 9-15-65	

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL

UNIVAC	
DIVISION OF SPERRY RAND CORPORATION	
TITLE	
BLOCK DIAGRAM, I/O	
CODE IDENT NO.	DWG NO.
90536	7032731
SCALE	WEIGHT
SHEET	OF

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED
A		71684	SEE EIR	10-23-65



* INPUT CHANNEL

0	1	2	3	4	5	6	7	10	11	12	13	14	15	16	17
I/O JACK	27	16	4	5	28	17	6	7	18	19	8	9	20	21	11

** IA WILL BE A 2090 FOR SLOW INTERFACE OR A 2320 FOR FAST INTERFACE.

IDENT NO. 7032612-00

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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES TOLERANCE OR	
2 PLACE DECIMALS	3 PLACE DECIMALS
± .005	± .010
± .002	± .005
THREADS: EX. CL. 24, INT. CL. 2B	
MATERIAL	FINISH
APPLICATION	COMMODITY CODE

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LAYOUT	DATE	CLASS	UNIVAC	
DRAFTSMAN	220-65	A	DIVISION OF SPERRY RAND CORPORATION	
CHECKER			TITLE	
ENGINEER			FUNCTIONAL SCHEMATIC, ID REQ OS & GATES	
APPROVAL			CODE IDENT NO.	SIZE
			90536	D
			DWG NO.	7032612
			SCALE	WEIGHT
				SHEET 1 OF 1

FIGURE 8-4

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED

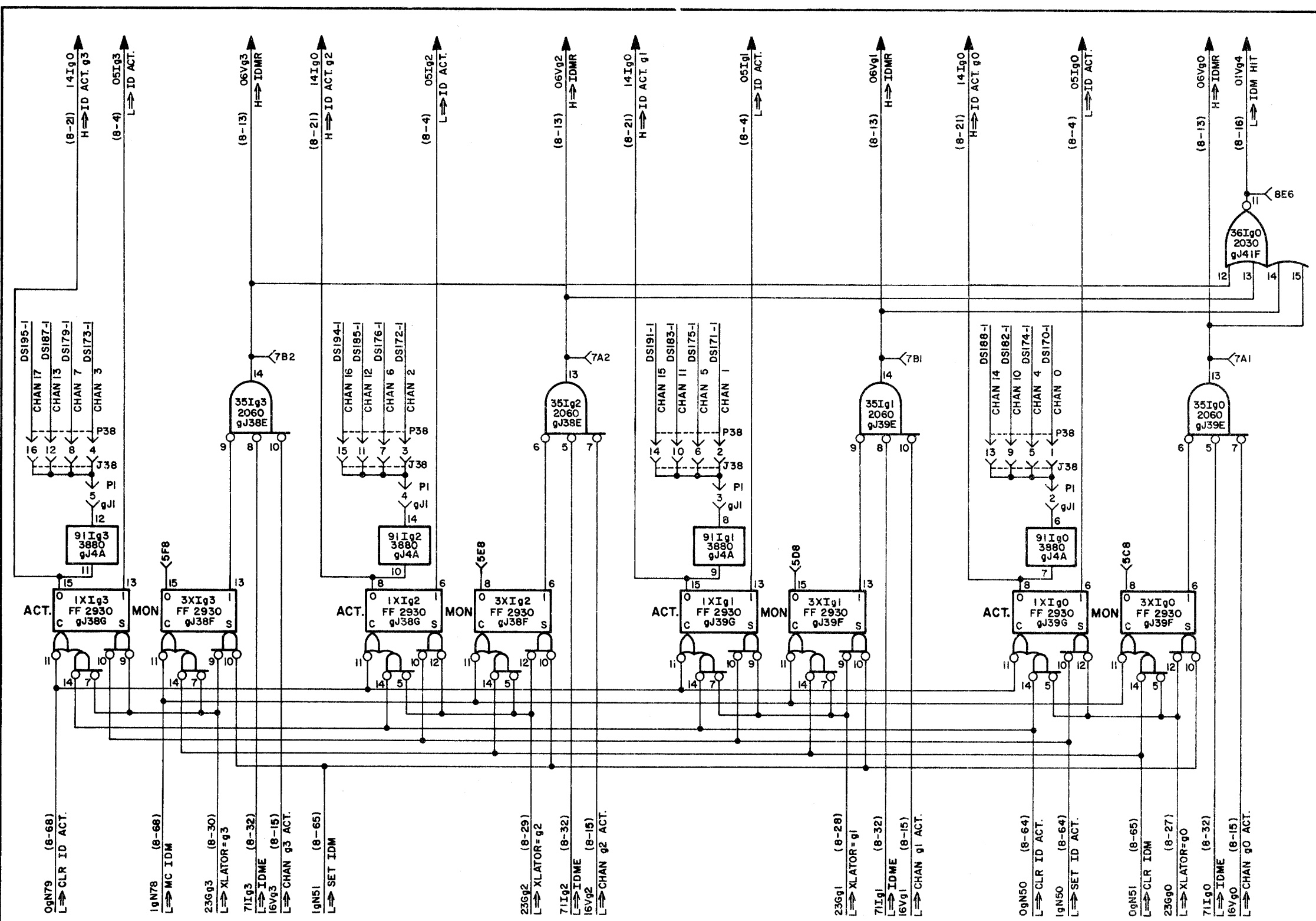


FIGURE 8-5

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNIVAC DIVISION OF SPERRY RAND CORPORATION						
CLASS			A			
DRAFTSMAN			R. NEWMAN			
CHECKER			B. POPOV			
ENGINEER			R. OULICKY			
APPROVAL			<i>[Signature]</i>			
DATE			3-6-65			
TITLE			FUNCTIONAL SCHEMATIC, ID ACTIVE AND MONITOR REGISTERS			
CODE IDENT NO.		SIZE		DWG NO.		
90536		D		7032625		
SCALE		WEIGHT		SHEET OF		

IDENT NO. 7032625-00

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UNLESS OTHERWISE SPECIFIED	
2 PLACE DECIMALS	3 PLACE DECIMALS
HOLE DIAMETER TOLERANCE	
0 THRU .250	.251 THRU .500
-.003	-.005
-.002	-.003
THREADS: F37 CL 2A, INT CL 2B	
MATERIAL	FINISH
APPLICATION	EQUIPMENT
COMMODITY CODE	

REVISIONS			
SYM	ZONE	EIR	DESCRIPTION
A		71684	SEE EIR
			DATE 10-23-65
			APPROVED

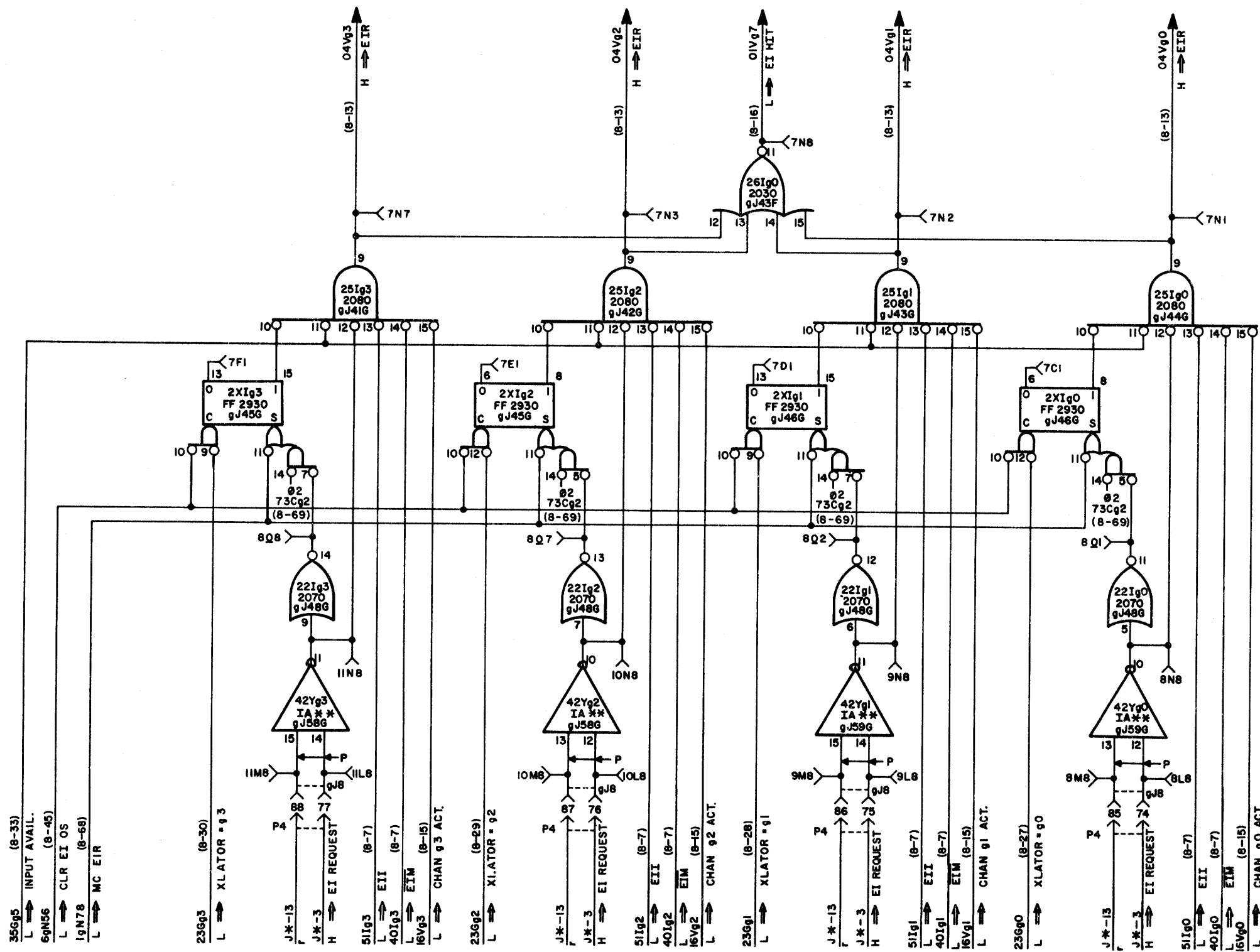


FIGURE 8-6

* INPUT CHANNEL	0	1	2	3	4	5	6	7	10	11	12	13	14	15	16	17
I/O JACK	27	16	4	5	28	17	6	7	18	19	8	9	20	21	10	11

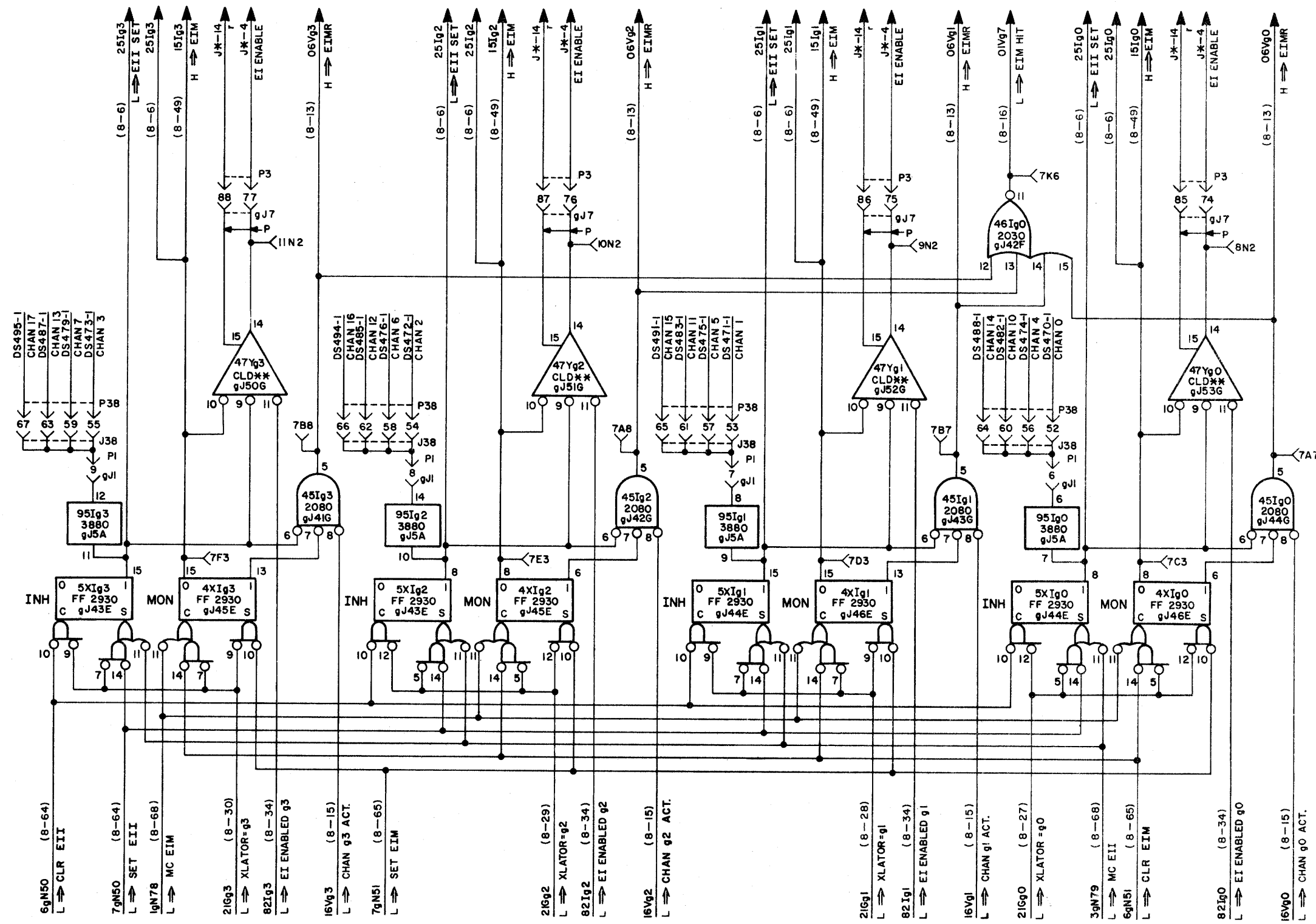
** IA WILL BE A 2090 FOR SLOW INTERFACE OR A 2320 FOR FAST INTERFACE.

IDENT NO. 7032614-00

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QTY REQD		FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL							
UNLESS OTHERWISE SPECIFIED		DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS		DIMENSION IN INCHES. TOLERANCE ON 3 PLACE DECIMALS		LAYOUT	
HOLE DIAMETER TOLERANCE		0 THRU .250		.251 THRU .500		DATE	
+ .003		+ .003		+ .010		CLASS	
- .002		- .003		- .005		A	
THREADS: EXCEPT AS INT. CL. 2B		MATERIAL		FINISH		UNIVAC	
NEXT ASSY		EQUIPMENT		APPLICATION		DIVISION OF SPERRY RAND CORPORATION	
COMMODITY CODE		DRAWING NO.		DATE		TITLE	
		R. CALTON		2-23-65		FUNCTIONAL SCHEMATIC, EIR REQ OS & GATES	
		CHECKER B. POPOV		9-15-61			
		ENGINEER R. OULICKY		9-15-61			
		APPROVAL					
		CODE IDENT NO.		SIZE		DWG NO.	
		90536		D		7032614	
		SCALE		WEIGHT		SHEET OF 1	



* INPUT CHANNEL	0	1	2	3	4	5	6	7	10	11	12	13	14	15	16	17
I/O JACK	27	16	4	5	28	17	6	7	18	19	8	9	20	21	10	11

** CLD WILL BE A 2130 FOR SLOW INTERFACE OR A 2331 FOR FAST INTERFACE.

IDENT NO. 7032633-00

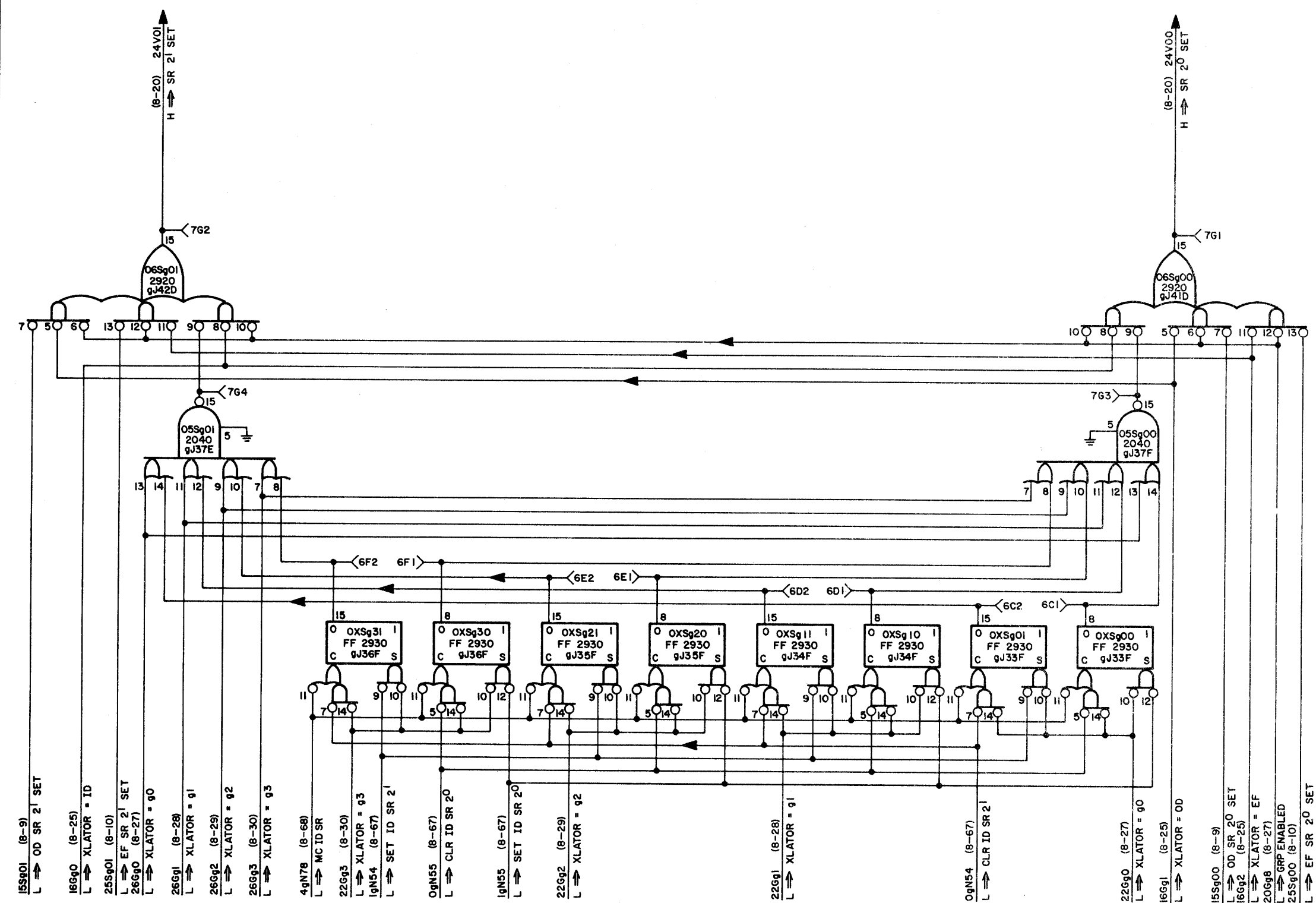
THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

UNLESS OTHERWISE SPECIFIED:	LAYOUT	DATE	CLASS
DIMENSION IN INCHES TOLERANCE ON:	DRAFTSMAN	32965	A
SPACE DECIMALS .010	R.H.PHERNETTON		
DIFFERENTIAL .005	CHECKER		
ANGLES .010	B. POPOV	9-15-65	
HOLE DIAMETER TOLERANCE:	ENGINEER		
0 thru .500 +.003	R. OULICKY	9-15-65	
.500 & LARGER +.005	APPROVAL		
THREADS, EXCEPT DIA. INT. CL. 2B	<i>[Signature]</i>		
MATERIAL	COMMODITY CODE		
FINISH			

FIGURE 8-7

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNIVAC			DIVISION OF SPERRY RAND CORPORATION			
FUNCTIONAL SCHEMATIC, EI MONITOR, EI INHIBIT REGISTERS AND EI ENABLES			TITLE			
CODE IDENT	SIZE	DWG NO.		90536 D 7032633		
SCALE	WEIGHT	SHEET		OF		

REVISIONS				
SYM	ZONE	FIR	DESCRIPTION	DATE



NOTE:
1. ALL CIRCUITS ON THIS DRAWING ARE FOR USE WITH MCP642 MEMORY UNIT.

FIGURE 8-8

QTY	FIND	REF DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

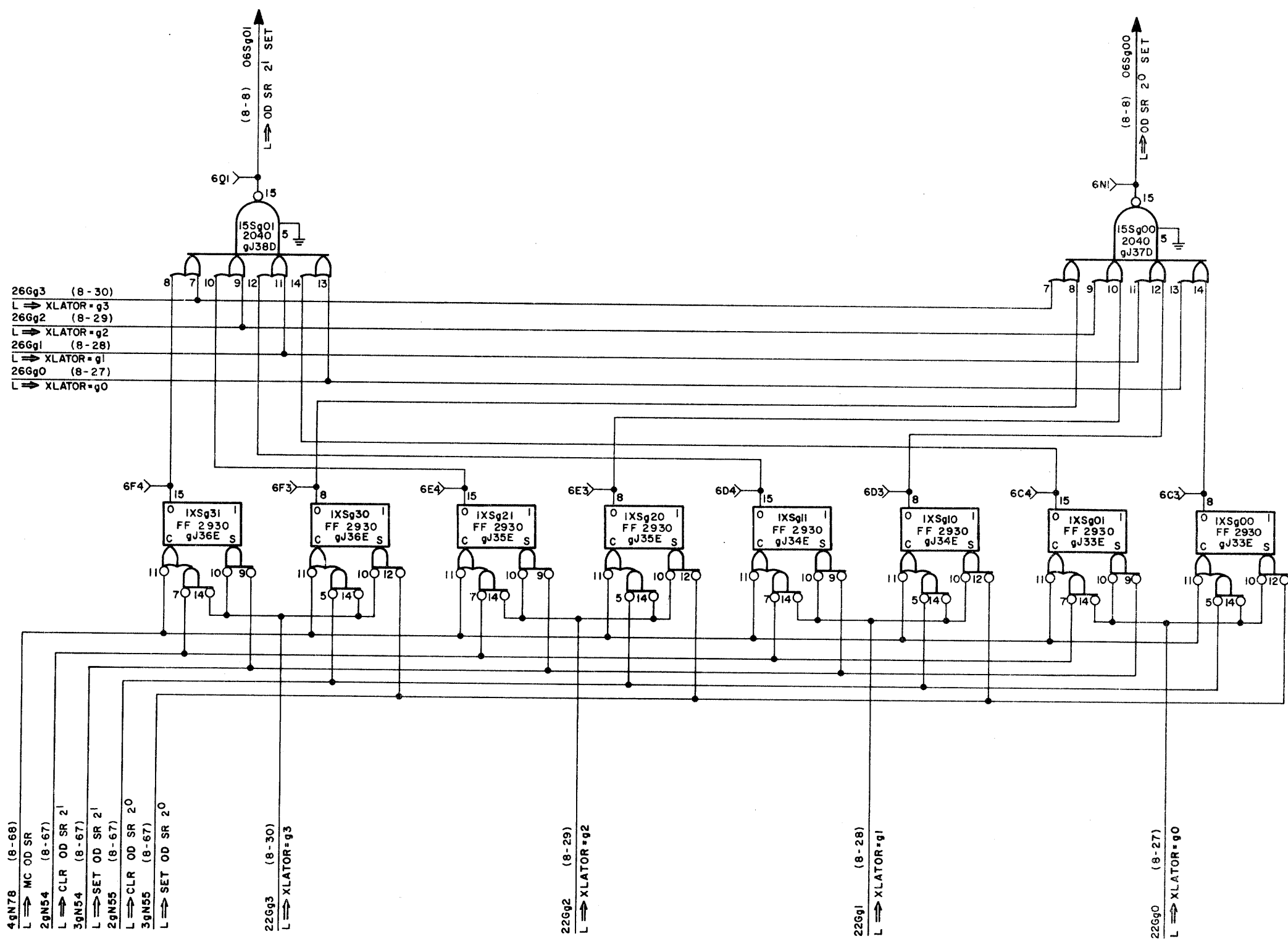
IDENT NO. 7032624-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT OF INFORMATION:

UNLESS OTHERWISE SPECIFIED:	LAYOFF	DATE	CLASS
DIMENSION IN INCHES: TOLERANCE ON 3 PLACE DECIMALS: .003	DRAFTSMAN	3-11-65	A
MATERIAL	W.C. MEGGERS		
FINISH	CHECKER	B.P. 9-15-65	
	ENGINEER	R. OULICKY 9-15-65	
	APPROVAL	W.C. Meggers 9-15-65	

LIST OF MATERIAL			
UNIVAC	DIVISION OF SPERRY RAND CORPORATION	TITLE	FUNCTIONAL SCHEMATIC, ID SPECIAL REGISTER
CODE IDENT NO.	SIZE	DWG NO.	90536 D 7032624
SCALE	WEIGHT	SHEET	OF

REVISIONS			
NO.	DATE	DESCRIPTION	APPROVED



NOTE:
1. ALL CIRCUITS ON THIS DRAWING ARE FOR USE WITH MCP642 MEMORY UNIT.

FIGURE 8-9

4N78 (8-68)
L → MC OD SR
2N54 (8-67)
L → CLR OD SR 2'
3N54 (8-67)
L → SET OD SR 2'
2N55 (8-67)
L → CLR OD SR 20
3N55 (8-67)
L → SET OD SR 20

22Gg3 (8-30)
L → XLATOR=g3

22Gg2 (8-29)
L → XLATOR=g2

22Gg1 (8-28)
L → XLATOR=g1

22Gg0 (8-27)
L → XLATOR=g0

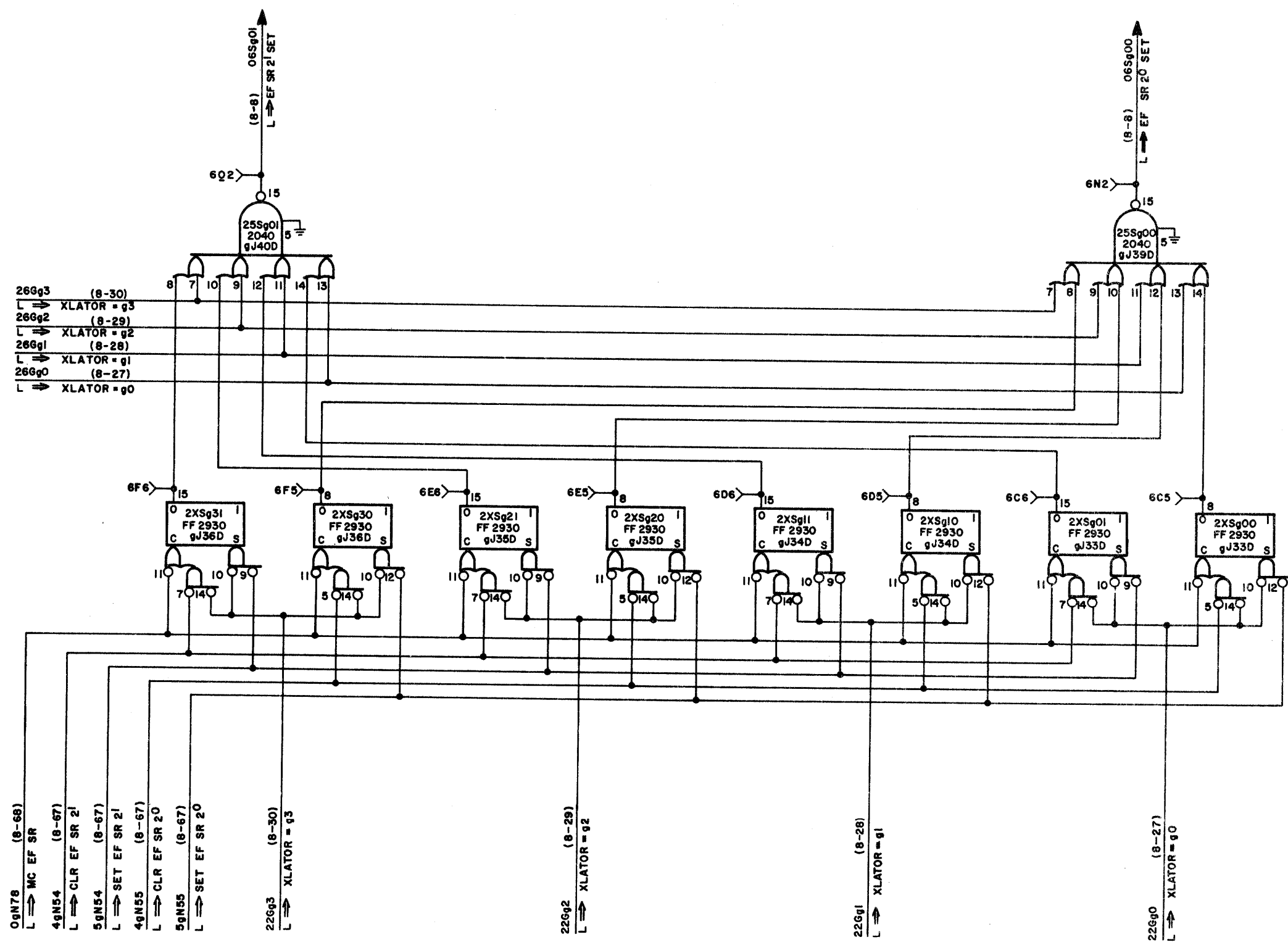
QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

IDENT NO 7032615-00

DESIGNED BY	DATE	CLASS
DRAWN BY	2-24-65	A
CHECKED BY		
ENGINEER		
APPROVAL		

UNIVAC	
DIVISION OF SPERRY RAND CORPORATION	
TITLE	
FUNCTIONAL SCHEMATIC, OD SPECIAL REGISTER	
CODE IDENT NO.	DWG NO.
90536	7032615
SCALE	WEIGHT

REVISIONS				
NO.	DATE	BY	DESCRIPTION	APPROVED
1				



NOTE:
1. ALL CIRCUITS ON THIS DRAWING ARE FOR USE WITH MCP642 MEMORY UNIT.

FIGURE 8-10

IDENT NO. 7032616-00

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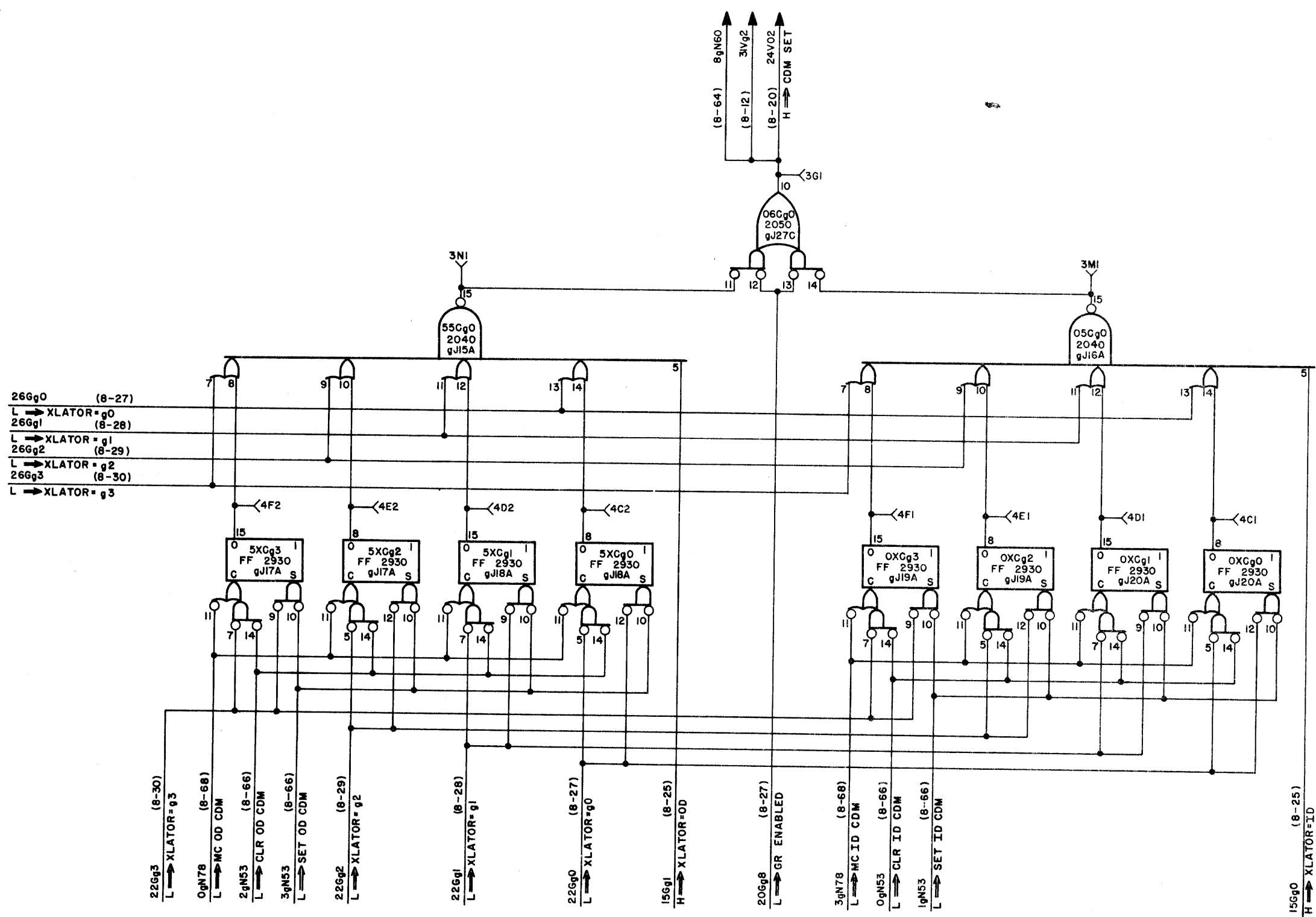
QTY REQD	IND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

DATE	CLASS	TITLE
2-25-65	A	FUNCTIONAL SCHEMATIC, EF SPECIAL REGISTER

DATE	CLASS	TITLE
2-25-65	A	FUNCTIONAL SCHEMATIC, EF SPECIAL REGISTER

CODE IDENT NO.	SIZE	DWG NO.
90536	D	7032616

REVISIONS				
REV	DATE	DESCRIPTION	BY	APPROVED



26Gg0 (8-27)
 L → XLATOR = g0
 26Gg1 (8-28)
 L → XLATOR = g1
 26Gg2 (8-29)
 L → XLATOR = g2
 26Gg3 (8-30)
 L → XLATOR = g3

22Gg3 (8-30) L → XLATOR = g3
 0gN78 (8-68) L → MC OD CDM
 2gN53 (8-66) L → CLR OD CDM
 3gN53 (8-66) L → SET OD CDM
 22Gg2 (8-29) L → XLATOR = g2
 22Gg1 (8-28) L → XLATOR = g1
 22Gg0 (8-27) L → XLATOR = g0
 15Gg1 (8-25) H → XLATOR = OD
 20Gg8 (8-27) L → GR ENABLED
 3gN78 (8-68) L → MC ID CDM
 0gN53 (8-66) L → CLR ID CDM
 1gN53 (8-66) L → SET ID CDM
 15Gg0 (8-25) H → XLATOR = ID

FIGURE 8-11

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL							
				UNLESS OTHERWISE SPECIFIED:		LAYOUT	
				DIMENSION IN INCHES, TOLERANCE ON:		DATE	
				FRACTIONS		CLASS	
				DECIMALS		A	
				HOLE DIAMETER TOLERANCE:		DRAWN BY	
				0 THRU .125		ROLAN BITZER	
				.125 THRU .375		3-15-65	
				.375 THRU .625		CHECKER	
				.625 THRU 1.000		B. POPOV	
				1.000 THRU 2.000		9-15-65	
				2.000 THRU 3.000		ENGINEER	
				3.000 THRU 4.000		R. OULICKY	
				4.000 THRU 6.000		9-15-65	
				6.000 THRU 8.000		APPROVAL	
				8.000 THRU 12.000		[Signature]	
				12.000 THRU 24.000		2-15-64	
				OVER 24.000		AS PER	
				MATERIAL		FINISH	
				NEXT ASSY		EQUIPMENT	
				APPLICATION			
				COMMODITY CODE			
				IDENT NO. 7032630-00		CODE IDENT NO. 90536	
				THIS DOCUMENT CONTAINS UNCLASSIFIED INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT		SIZE D	
				ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREIN MAY NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.		DWG NO. 7032630	
						SHEET 1 OF 1	

REVISIONS			
DATE	DESCRIPTION	BY	APPROVED

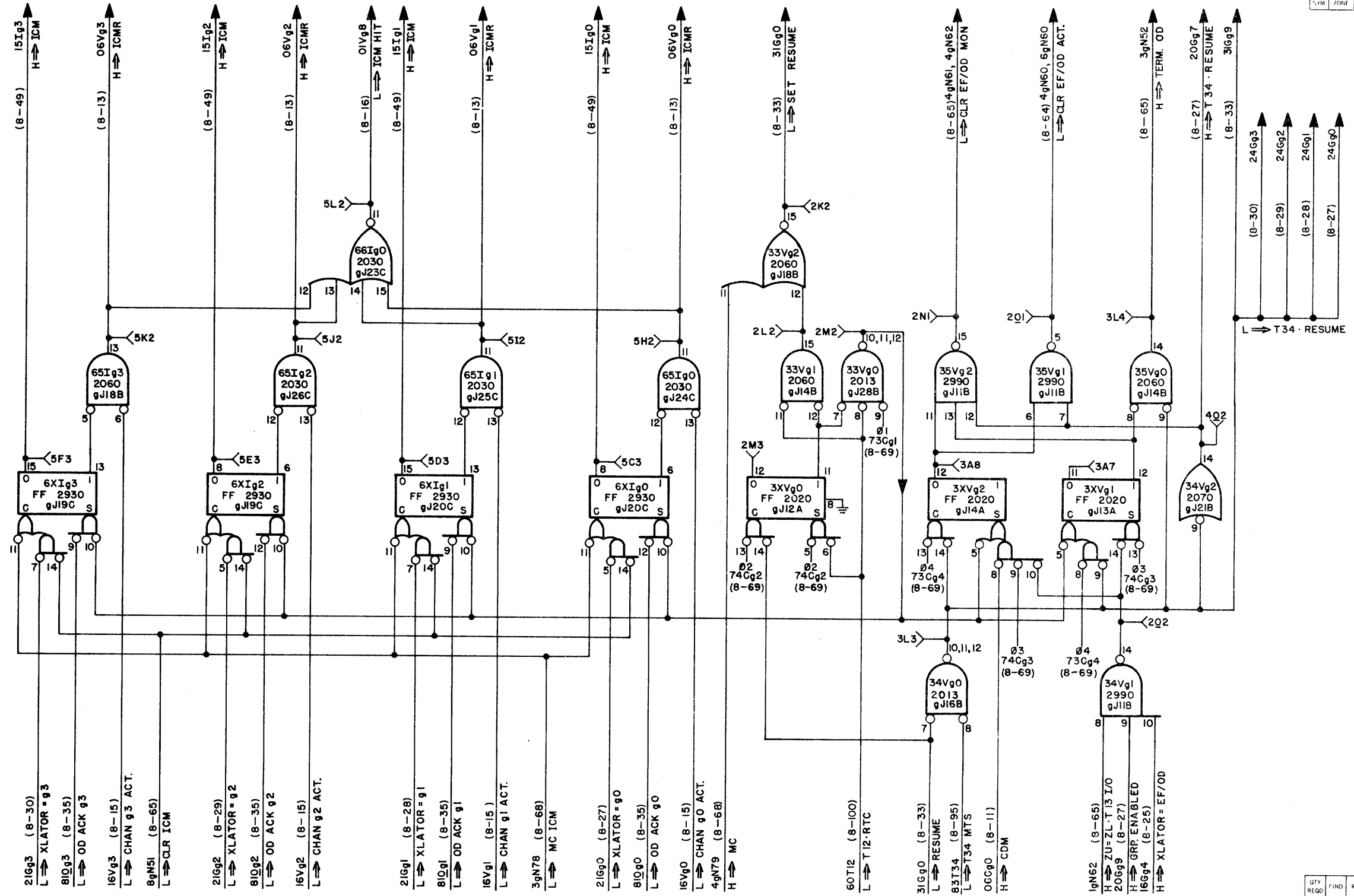


FIGURE 8-12

QTY	REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL			
CLASS	A	DATE	3-15-65
TITLE	FUNCTIONAL SCHEMATIC, I/C MON AND TERMINATE LOGIC		
CODE IDENT NO.	90536	SIZE	D
DWG NO.	7032635		
SCALE		WEIGHT	
SHEET		OF	

IDENT NO. 7032635-00

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 2. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.
 3. IT IS TO BE RETURNED TO THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AT THE END OF THE LOAN PERIOD.

UNLESS OTHERWISE SPECIFIED:
DRAWING DIMENSIONS IN INCHES: FRACTIONS: 16 PLACES DECIMALS: 3 PLACES DECIMALS: 1 ANGLES: 10
HOLE DRILLING TOLERANCES: 0 THROUGH 250 .005 250 THROUGH 500 .010 500 & LARGER .015
THREADS: EXCEPT AS NOTED, ALL THREADS ARE TO BE UNFINISHED
MATERIAL: AS SPECIFIED ON DRAWING
FINISH: AS SPECIFIED ON DRAWING

APPROVAL	DATE
<i>[Signature]</i>	9-15-65
<i>[Signature]</i>	9-15-65

UNIVAC
DIVISION OF SPERRY RAND CORPORATION
DRAFTSMAN: ROLAN BITZER
CHECKER: B. POPOV
ENGINEER: R. OULICKY
DATE: 9-15-65
DATE: 9-15-65

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED

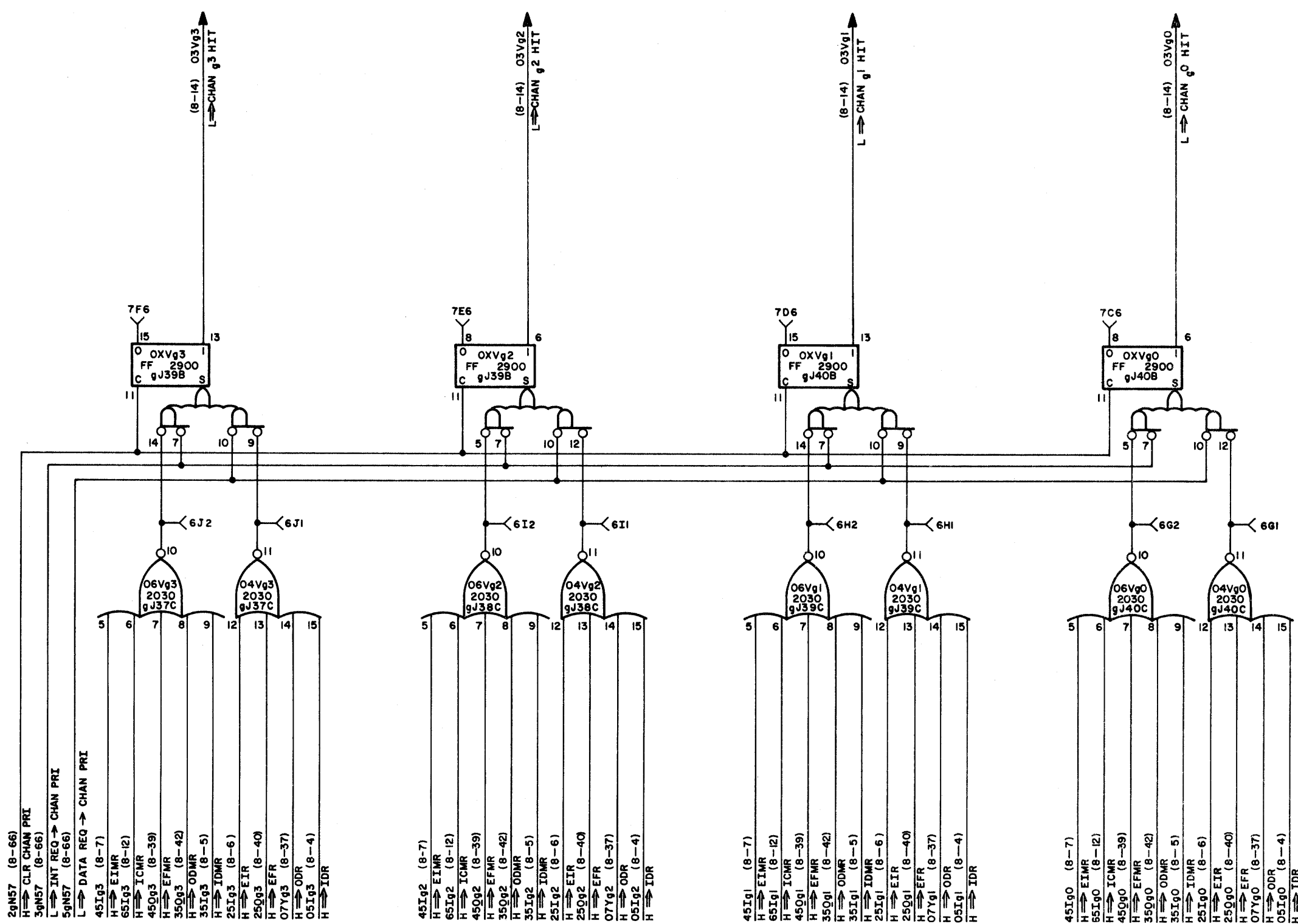


FIGURE 8-13

QTY	FINI	REF DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD			IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL						

IDENT NO. 7032638-00

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UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES TOLERANCE ON 2 PLACE DECIMALS : DECIMALS : ANGLES	DRAFTSMAN	3-5-65	A
HOLD DIAMETER TOLERANCE	D.C. WHEELER		TITLE
0 THRU .250 +.003	CHECKER		FUNCTIONAL SCHEMATIC, CHANNEL
.251 THRU .500 +.005	B. POPOV		PRIORITY REGISTER
.501 & LARGER +.010	ENGINEER		
THREADS EXCEPT 2A, IN' CL 2B	R. OULICKY		
MATERIAL	APPROVAL		
NEXT ASSY			
EQUIPMENT			
APPLICATION			
COMMODITY CODE			
FINISH			

UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES TOLERANCE ON 2 PLACE DECIMALS : DECIMALS : ANGLES	DRAFTSMAN	3-5-65	A
HOLD DIAMETER TOLERANCE	D.C. WHEELER		TITLE
0 THRU .250 +.003	CHECKER		FUNCTIONAL SCHEMATIC, CHANNEL
.251 THRU .500 +.005	B. POPOV		PRIORITY REGISTER
.501 & LARGER +.010	ENGINEER		
THREADS EXCEPT 2A, IN' CL 2B	R. OULICKY		
MATERIAL	APPROVAL		
NEXT ASSY			
EQUIPMENT			
APPLICATION			
COMMODITY CODE			
FINISH			

UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES TOLERANCE ON 2 PLACE DECIMALS : DECIMALS : ANGLES	DRAFTSMAN	3-5-65	A
HOLD DIAMETER TOLERANCE	D.C. WHEELER		TITLE
0 THRU .250 +.003	CHECKER		FUNCTIONAL SCHEMATIC, CHANNEL
.251 THRU .500 +.005	B. POPOV		PRIORITY REGISTER
.501 & LARGER +.010	ENGINEER		
THREADS EXCEPT 2A, IN' CL 2B	R. OULICKY		
MATERIAL	APPROVAL		
NEXT ASSY			
EQUIPMENT			
APPLICATION			
COMMODITY CODE			
FINISH			

REVISIONS			
SYM	ZONE	EIR	DESCRIPTION

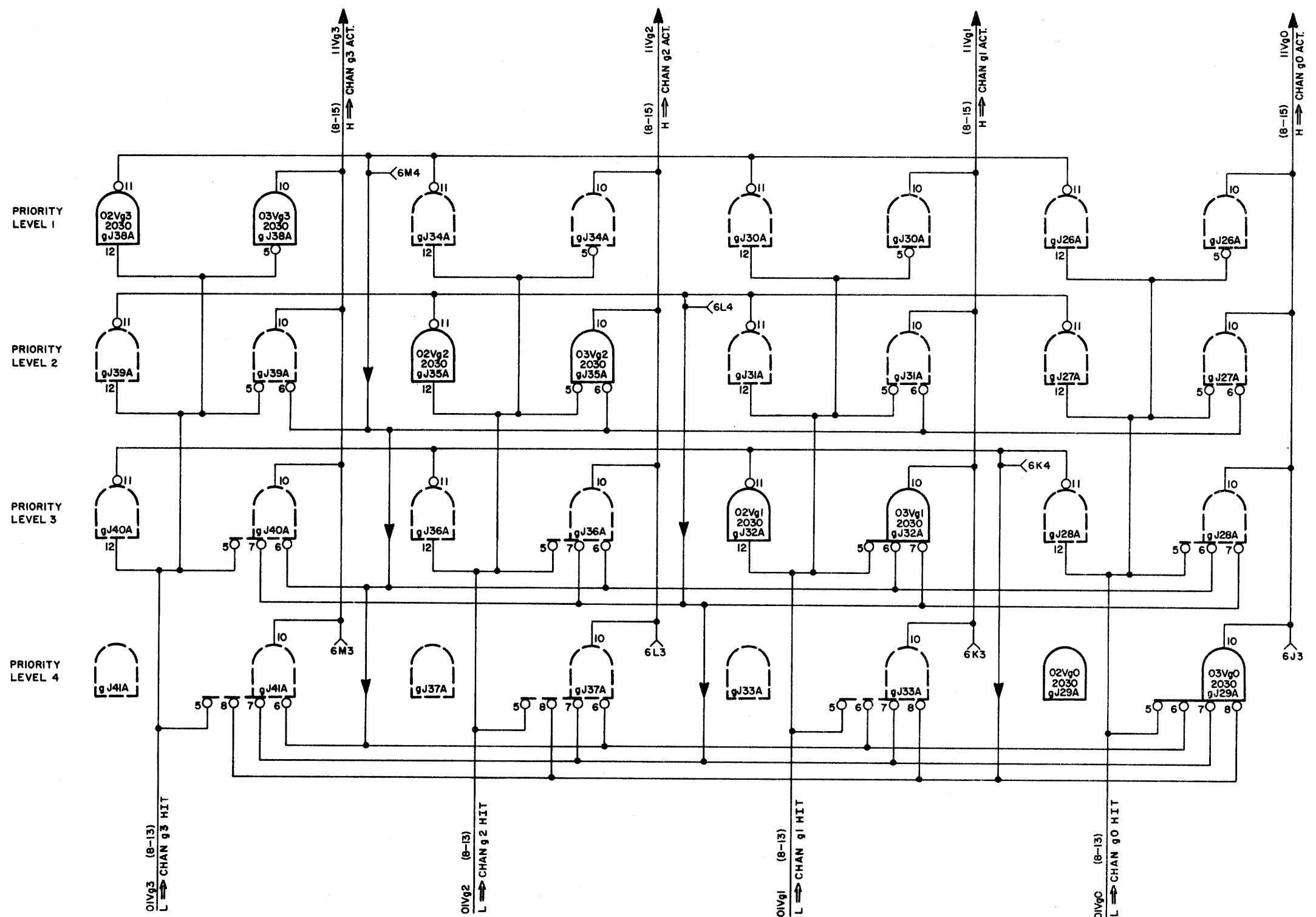


FIGURE 8-14

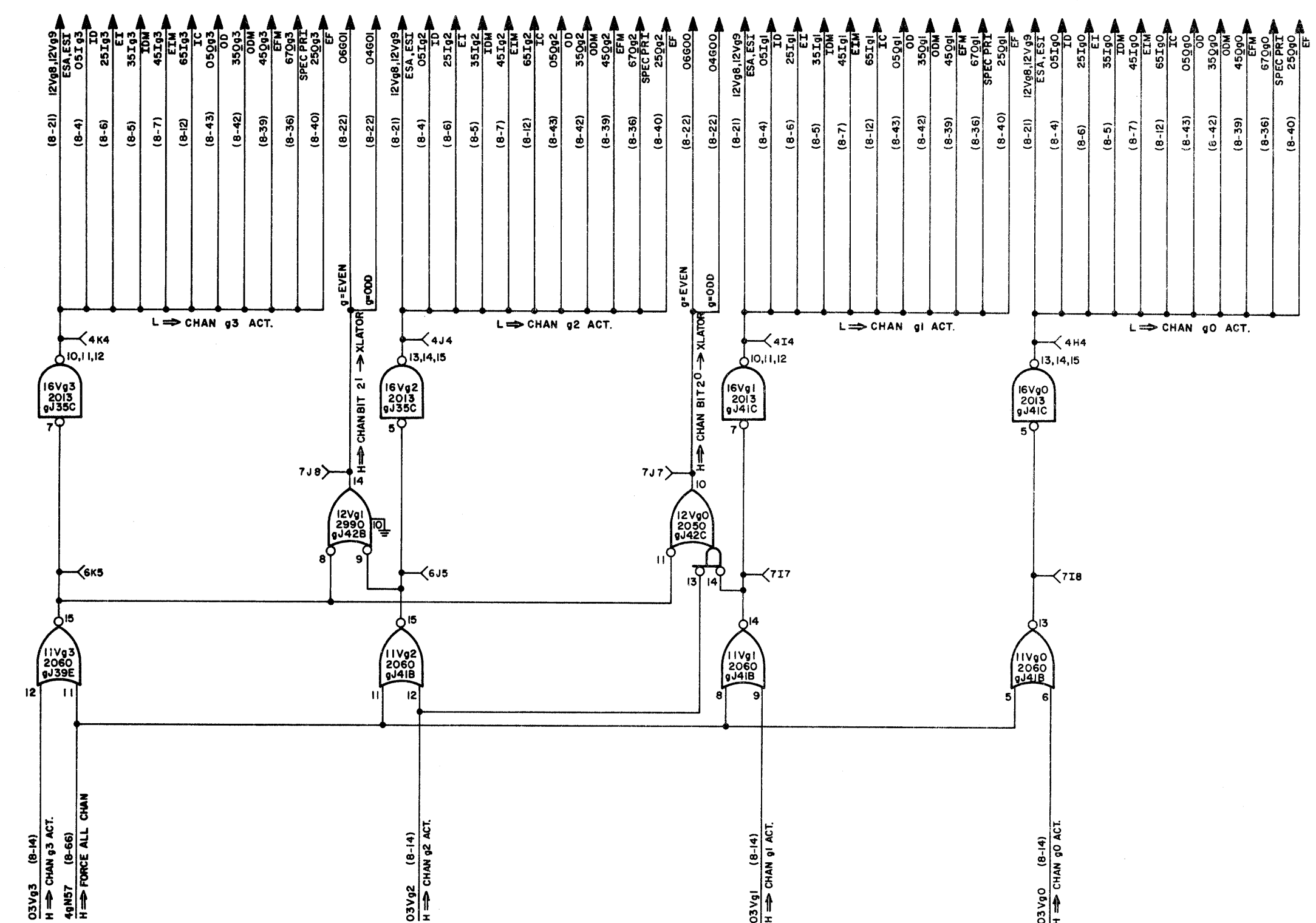
IDENT NO. 7032634-00

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UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES: TOLERANCE ON 2 PLACE DECIMALS: 3 PLACE DECIMALS: ANGLES: HOLE DIAMETER TOLERANCE: 0 THRU .250: .003: .251 THRU .500: .005: .501 & LARGER: .010: .002: .005: .005: THREADS: EXCEPT AS NOTED: INT. CL. 2B	DRAFTSMAN R. CALTON	3-1-65	A
MATERIAL:	CHECKER B. POPOV	9-15-60	
FINISH:	ENGINEER R. OULICKY	9-15-60	
APPROVAL:	APPROVAL R. Oulicky		
APPLICATION:			
EQUIPMENT:			
NEXT ASSY:			
COMMUNITY CODE:			

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNIVAC DIVISION OF SPERRY RAND CORPORATION						
TITLE						
FUNCTIONAL SCHEMATIC, CHANNEL PRIORITY SELECTOR						
CODE IDENT NO.	SIZE	DWG NO.				
90536	D	7032634				
SCALE	WEIGHT	SHEET 1 OF 1				

REVISIONS			
SYM	ZONE	EIR	DESCRIPTION



QTY	FIND	REF DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD			IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL						
					CLASS	A
					DRAFTSMAN	UNIVAC
					D.C. WHEELER	DIVISION OF SPERRY RAND CORPORATION
					DATE	3-5-65
					CHECKER	B. POPOV
					ENGINEER	R. OULICKY
					APPROVAL	<i>[Signature]</i>
					CODE IDENT NO.	90536
					SIZE	D
					DWG NO.	7032637
					SCALE	WEIGHT
					SHEET	OF 1

FIGURE 8-15

IDENT NO. 7032637-00

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ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION HEREON MAY NOT BE REPRODUCED, COPIED, OR AS OTHERWISE PERMITTED BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

UNLESS OTHERWISE SPECIFIED	
2 PLACE DECIMALS	3 PLACE DECIMALS
DIMENSION IN INCHES TOLERANCE OR ANGLES	
HOLE DIAMETER TOLERANCE	
0 THRU .250	.251 THRU .500
-.003	-.005
-.002	-.003
THREADS: EXCEPT AS INT. CL. 2B	
MATERIAL	FINISH
NEXT ASST	EQUIPMENT
APPLICATION	
COMMODITY CODE	

REVISIONS			
SYM	ZONE	LEN	DESCRIPTION
A	3557A		CHP 1C110 INTERRUPT CORRECTION

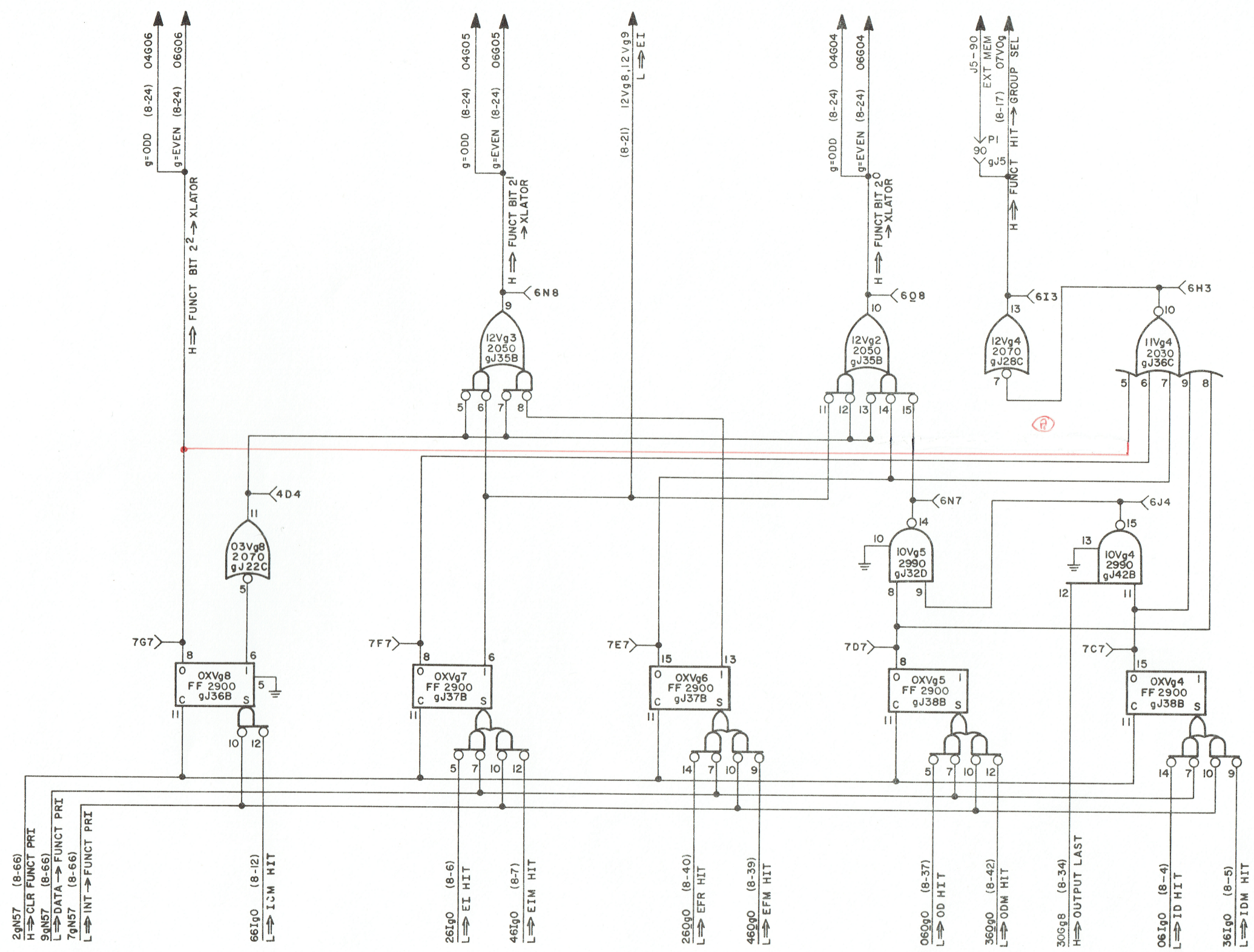


FIGURE 8-16

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNLESS OTHERWISE SPECIFIED			LAYOUT			
DIMENSION IN INCHES. TOLERANCE ON 3 PLACE DECIMALS			DATE			
HOLE DIAMETER TOLERANCE			CLASS			
0 THRU .250 ± .003			A			
.251 THRU .500 ± .005			DRAFTSMAN			
.501 & LARGER ± .010			E. BICKETT			
THREADS: EXT. CL. INT. CL. 2B			3-31-67			
MATERIAL			CHECKER			
FINISH			B. POPOV			
NEXT ASSY			ENGINEER			
EQUIPMENT			J. LAMBING			
APPLICATION			APPROVAL			
COMMODITY CODE			3-31-67			
			CODE IDENT NO.			
			90536			
			SIZE			
			D			
			DWG NO.			
			7075150			
			SCALE			
			WEIGHT			
			SHEET 1 OF 1			

IDENT NO. 7075150-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED

* MODULE LOCATIONS USED

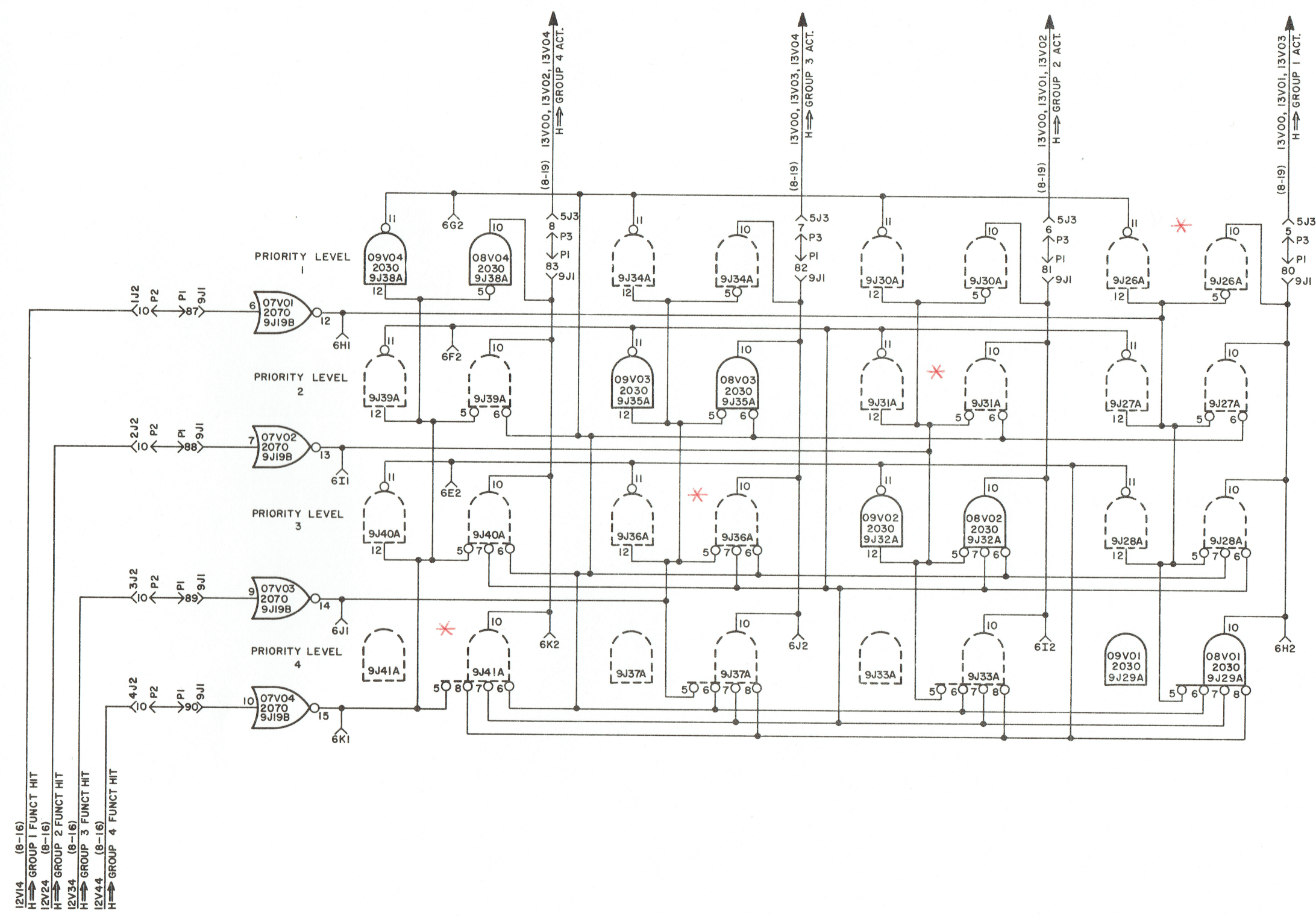


FIGURE 8-17

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL							
				CLASS		UNIVAC	
				DATE		TITLE	
				5-15-65		FUNCTIONAL SCHEMATIC, GROUP PRIORITY SELECTOR	
				5-17-65		CODE IDENT NO. 90536	
				7-15-65		SIZE D	
				7-15-65		DWG NO. 7032737	
				SCALE		WEIGHT	
				SHEET		OF	

IDENT NO. 7032737-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES TOLERANCE ON 2 PLACE DECIMALS	± .005
DIMENSION IN INCHES TOLERANCE ON 3 PLACE DECIMALS	± .001
ANGLES	± .005
HOLE DIAMETER TOLERANCE	± .005
0 THRU .250	± .005
.251 THRU .500	± .005
.501 & LARGER	± .010
THREADS: EXT. CL. 2A, INT. CL. 2B	
MATERIAL	
FINISH	

LAYOUT	DATE	CLASS
DRAFTSMAN F. MANNING	5-15-65	A
CHECKER B. POPOV	5-17-65	
ENGINEER R. OULICKY	7-15-65	
APPROVAL <i>[Signature]</i>	7-15-65	

APPLICATION	COMMODITY CODE

REVISIONS			
NO.	DATE	DESCRIPTION	APPROVED
A	E13215	EMU CHANNEL PRIORITY CHANGE	
B	E13375	S PART 642B EMU INTERFACE MOD	

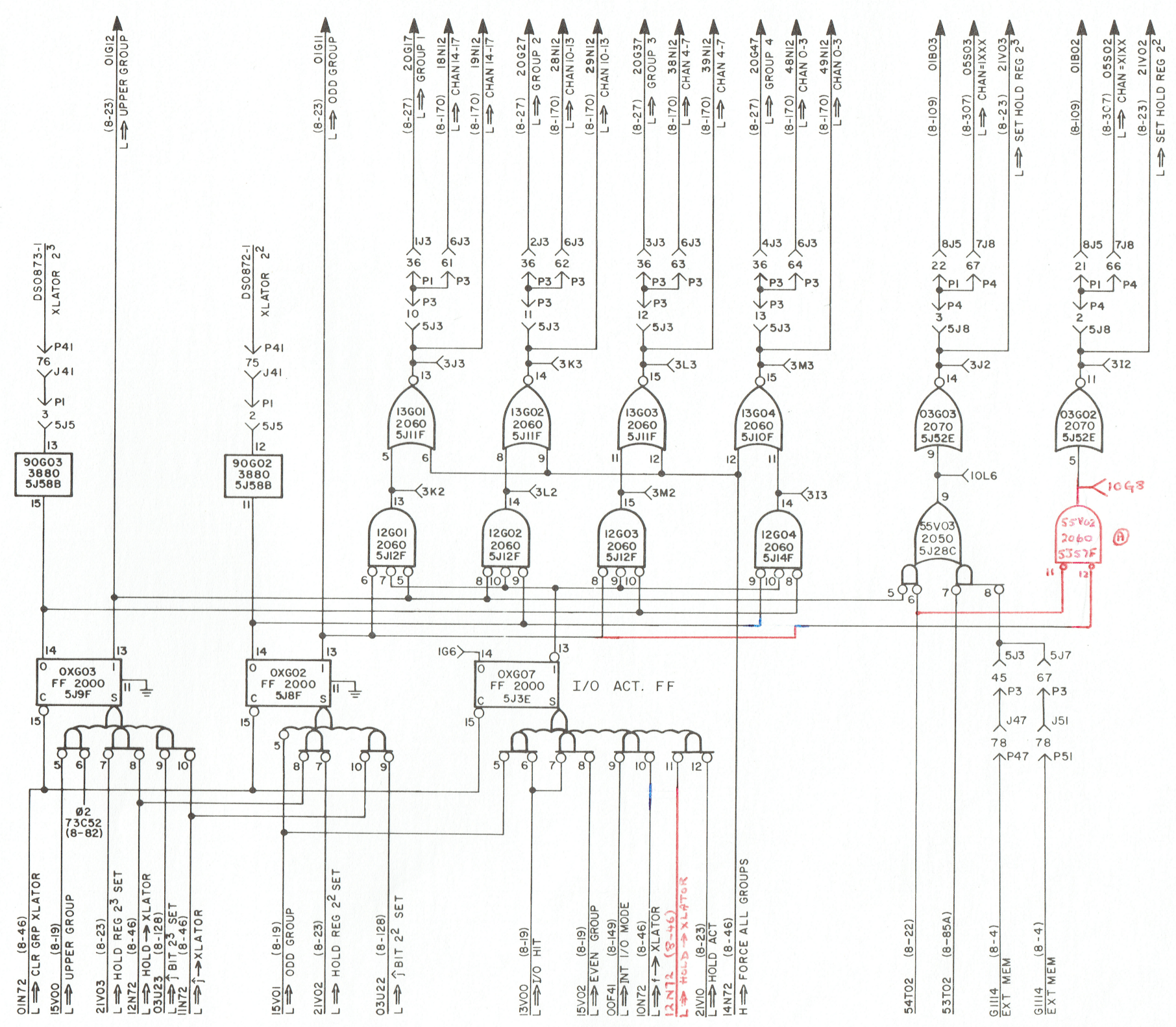


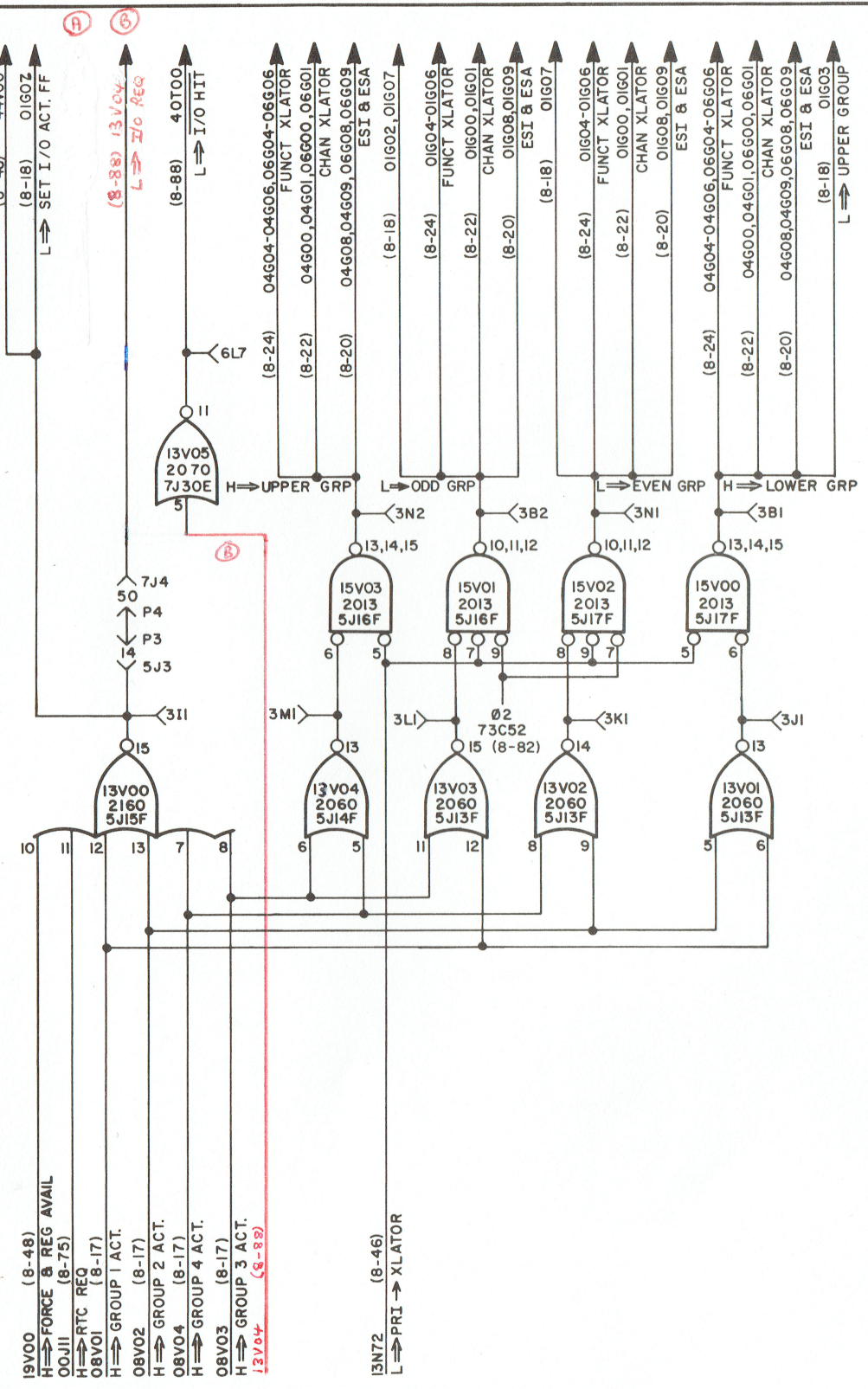
FIGURE 8-18

IDENT NO. 7075151-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT NUMBER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE INDICATED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE	CLASS	UNIVAC DIVISION OF SPERRY RAND CORPORATION
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS 3 PLACE DECIMALS ANGLES		G. ERLANDSON		12.10.66	A	
HOLE DIAMETER TOLERANCE		CHECKER			TITLE	FUNCTIONAL SCHEMATIC, GROUP PRI AND TRANS I
0 THRU .250 +.003 THRU .500 +.005 .501 & LARGER +.010 - .005		B. POPOV				
THREADS: EXPT. CL. 2A, INT. CL. 2B		ENGINEER				CODE IDENT NO. 90536 SIZE D DWG NO. 7075151
MATERIAL		J. LAMBING				
FINISH		APPROVAL				SCALE WEIGHT SHEET OF
NEXT ASSY EQUIPMENT		[Signature]				
APPLICATION						
COMMODITY CODE						

REVISIONS			
SYM	ZONE	EIR	DESCRIPTION
A	E13215		EMU CHANNEL PRIORITY CHANGE
B	0209		6421Emu CONFLICT CHANGE



GROUPS

15V00	13V01	1+2
15V01	13V03	1+3
15V02	13V02	2+4
15V03	13V04	3+4

FIGURE 8-19

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						

IDENT NO. 7075152-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES. TOLERANCE ON	LAYOUT
2 PLACE DECIMALS ±	±
3 PLACE DECIMALS ±	±
ANGLES ±	±
HOLE DIAMETER TOLERANCE	
0 THRU .250 ±	±
.251 THRU .500 ±	±
.501 & LARGER ±	±
THREADS: EXT. CL. 2A, INT. CL. 2B	
MATERIAL	
FINISH	

DRAFTSMAN R.C. PETERSON	DATE 12-11-66	CLASS A	TITLE FUNCTIONAL SCHEMATIC, GROUP PRI AND TRANS 2
CHECKER B. POPOV	3-31-67		
ENGINEER J. LAMBING	3-31-67		
APPROVED <i>J. Lambing</i>	3-31-67		
CODE IDENT NO. 90536	SIZE D	DWG NO. 7075152	
SCALE	WEIGHT	SHEET	OF 1

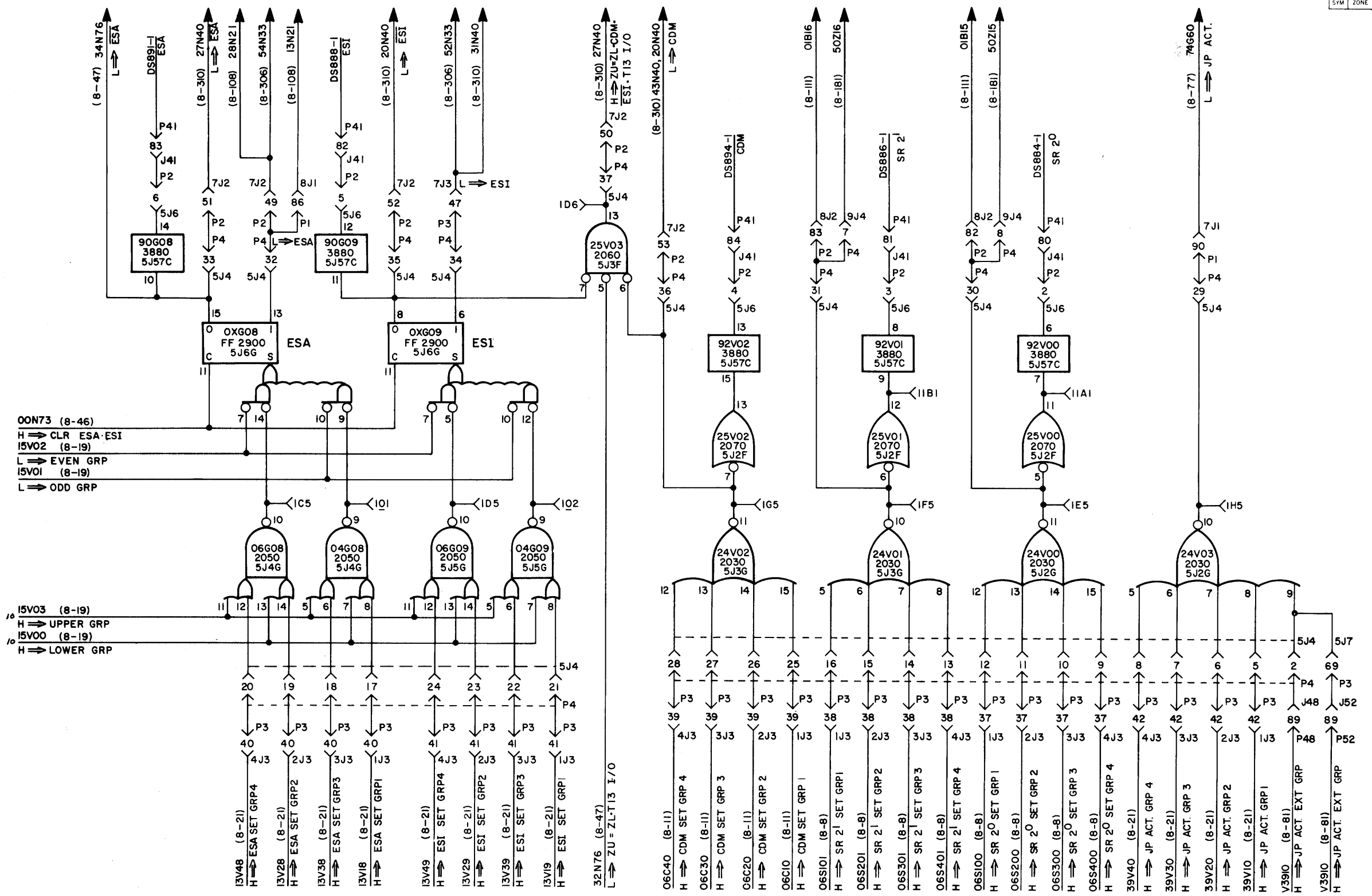


FIGURE 8-20

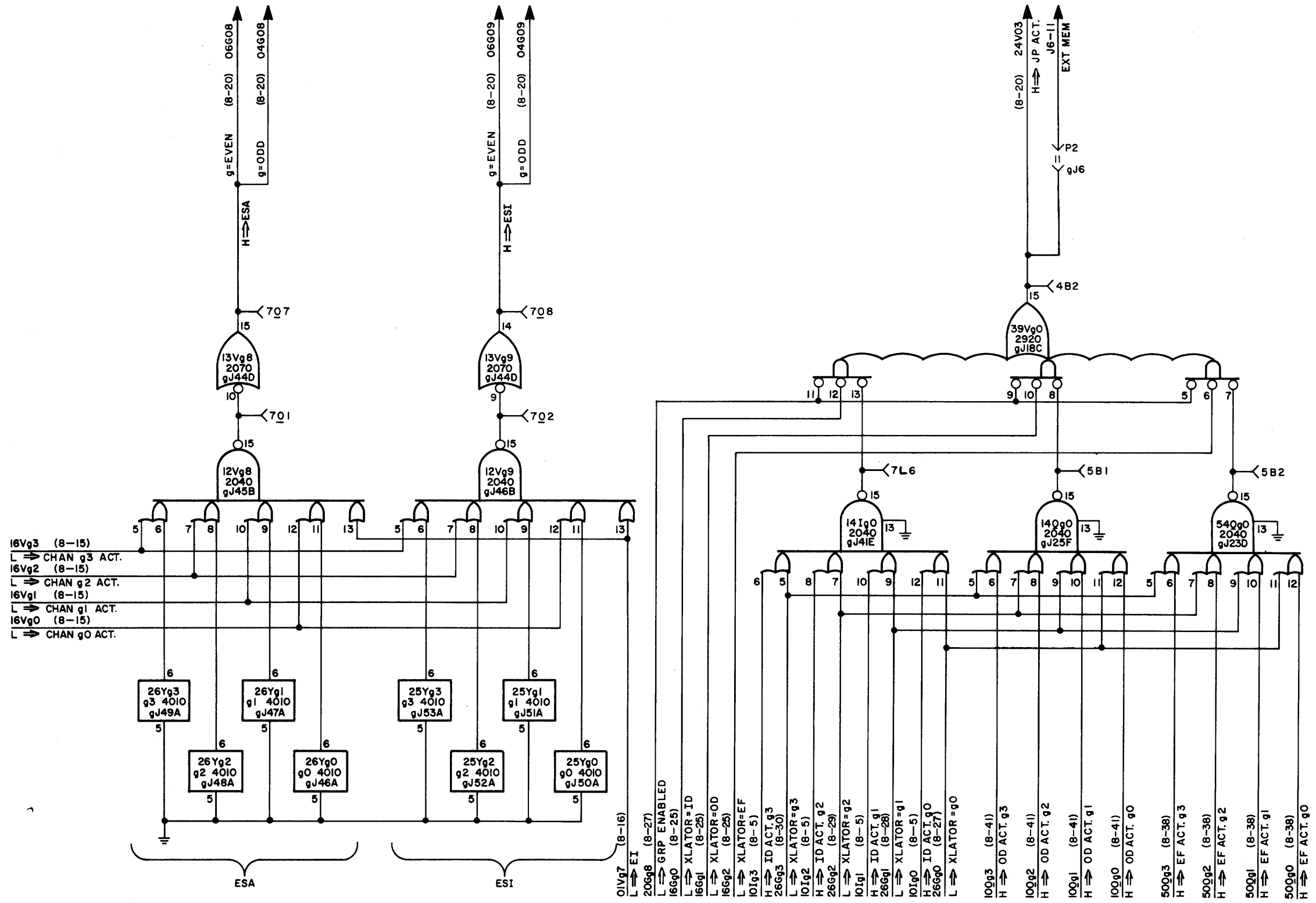
IDENT NO. 7032651-00

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UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES: TOLERANCE ON 2 PLACE DECIMALS 3 PLACE DECIMALS ANGLE HOLE DIAMETER TOLERANCE 0 THRU .250 +.003 -.005 +.010 -.005 THREADS: EXT. CL. INT. CL. 2B MATERIAL FINISH	LAYOUT	DATE	CLASS	UNIVAC DIVISION OF SPERRY RAND CORPORATION
	DRAFTSMAN G. ERLANDSON	12-10-66	A	
	CHECKER B. POPOV	3-31-67		
	ENGINEER J. LAMBING	8-31-67		
APPROVAL <i>[Signature]</i>				TITLE FUNCTIONAL SCHEMATIC, CDM, ESA, & SR SELECTOR
APPLICATION				CODE IDENT NO. 90536
COMMODITY CODE				SIZE D
				DWG NO. 7075153
				SCALE
				WEIGHT
				SHEET 1 OF 1

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	DATE



NOTE:
1. REFER TO CHASSIS MAP DWG 7032880 FOR PROPER PLACEMENT OF THE 4010 JUMPER CARDS TO SELECT CHANNELS FOR ESI OR ESA OPERATION.

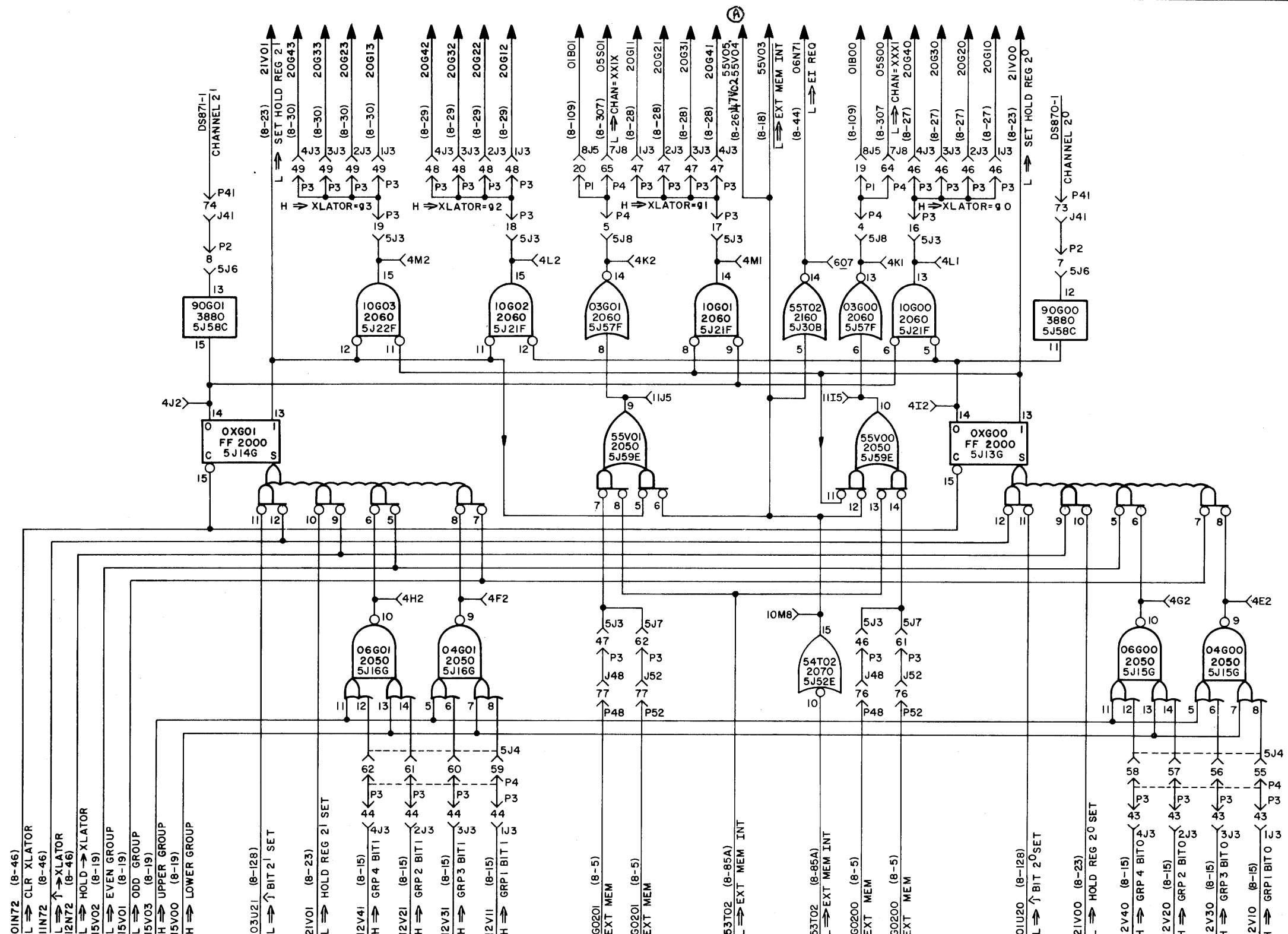
FIGURE 8-21

IDENT NO 7075154-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:
ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DEALT WITH IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE		CLASS	
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS		E. BICKETT		12-9-66		A	
HOLE DIAMETER TOLERANCE		CHECKER		DATE		TITLE	
MATERIAL		B. POPOV		3-31-67		FUNCTIONAL SCHEMATIC, ESA, ESI & JUMP ACTIVE LOGIC	
FINISH		ENGINEER		DATE		CODE IDENT NO.	
		J. LAMBING		3-31-67		90536	
		APPROVAL				SIZE	
						D	
						DWG NO.	
						7075154	
						SCALE	
						WEIGHT	
						SHEET 1 OF 1	

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVAL
A	E13215		EMU CHANNEL PRIORITY CHANGE.		



01N72 (8-46) L → CLR XLATOR
 11N72 (8-46) L → XLATOR
 12N72 (8-46) L → XLATOR
 15V02 (8-19) L → HOLD → XLATOR
 15V01 (8-19) L → EVEN GROUP
 15V03 (8-19) L → ODD GROUP
 15V00 (8-19) H → UPPER GROUP
 15V00 (8-19) H → LOWER GROUP

03U21 (8-128) L → BIT 2 SET
 21V01 (8-23) L → HOLD REG 2 SET

12V41 (8-15) H → GRP 4 BIT 1
 12V21 (8-15) H → GRP 2 BIT 1
 12V31 (8-15) H → GRP 3 BIT 1
 12V11 (8-15) H → GRP 1 BIT 1

60201 (8-5) EXT MEM
 60201 (8-5) EXT MEM
 53T02 (8-85A) L → EXT MEM INT
 53T02 (8-85A) L → EXT MEM INT
 60200 (8-5) EXT MEM
 60200 (8-5) EXT MEM

01U20 (8-128) L → BIT 2 SET
 21V00 (8-23) L → HOLD REG 20 SET
 12V40 (8-15) H → GRP 4 BIT 0
 12V20 (8-15) H → GRP 2 BIT 0
 12V30 (8-15) H → GRP 3 BIT 0
 12V10 (8-15) H → GRP 1 BIT 0

FIGURE 8-22

IDENT NO. 7075155

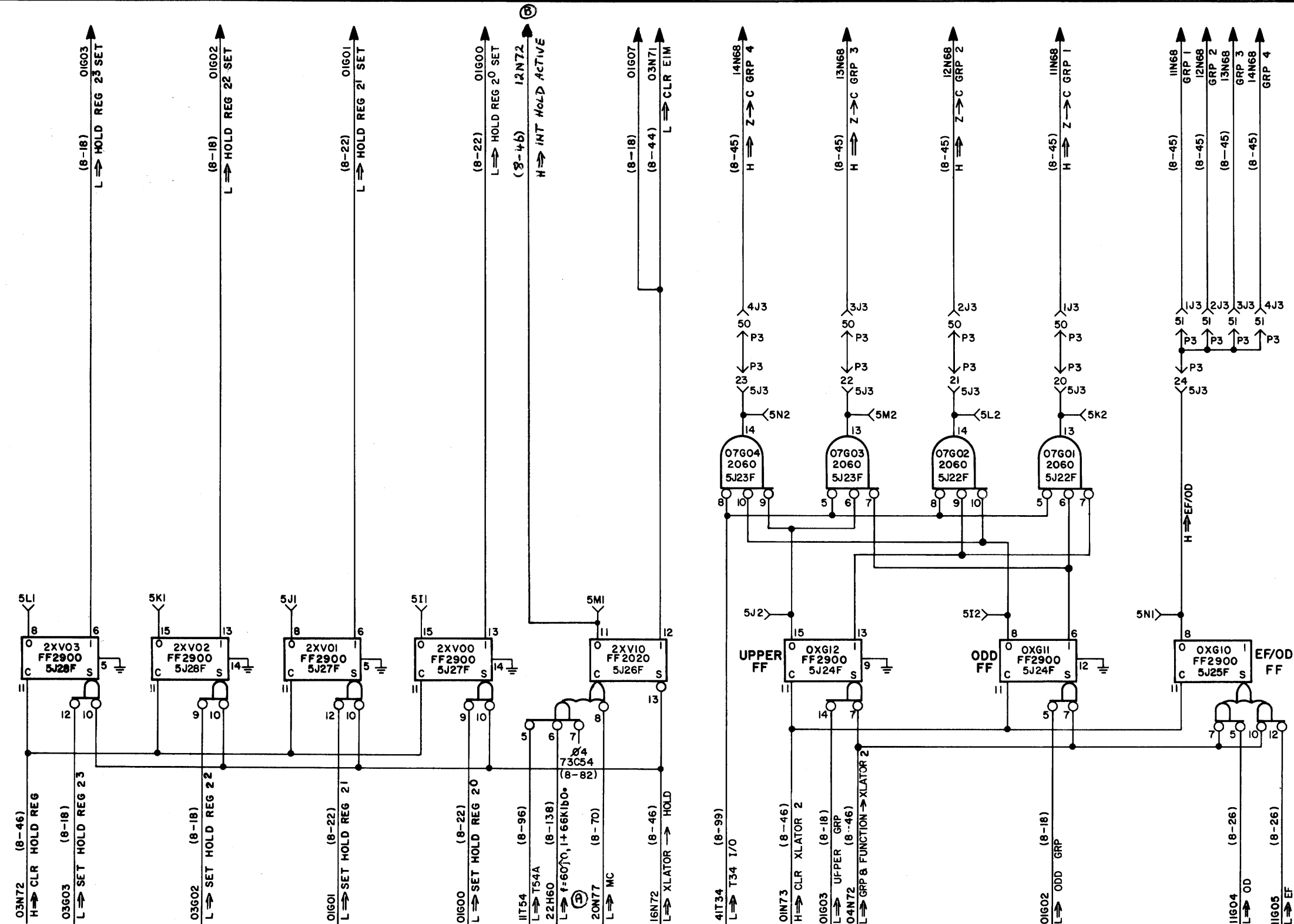
THIS DOCUMENT CONTAINS UNCLASSIFIED INFORMATION OF THE UNITED STATES OF AMERICA WHICH IS UNCLASSIFIED AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:
 EXECUTIVE ORDER 11652, FEBRUARY 18, 1976
 UNLESS OTHERWISE SPECIFIED, DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS. 3 PLACE DECIMALS. ANGLES. HOLE DIAMETER TOLERANCE. 0 THRU .250 +.003. .251 THRU .500 +.005. .501 & LARGER +.010. THREADS: EXT. CL. INT. CL. 2B. MATERIAL. FINISH. APPLICATION. EQUIPMENT. NEXT ASST. COMMODITY CODE.

UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS. 3 PLACE DECIMALS. ANGLES.	DRAFTSMAN	12-12-66	A
HOLE DIAMETER TOLERANCE. 0 THRU .250 +.003. .251 THRU .500 +.005. .501 & LARGER +.010.	G ERLANDSON		
THREADS: EXT. CL. INT. CL. 2B.	CHECKER		
MATERIAL.	B. POPOV	3-31-67	
FINISH.	ENGINEER		
APPLICATION.	J. LAMBING	3-31-67	
EQUIPMENT.	APPROVED		
NEXT ASST.			
COMMODITY CODE.			

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL			
UNIVAC			
DIVISION OF SPERRY RAND CORPORATION			
TITLE		FUNCTIONAL SCHEMATIC, CHANNEL TRANSLATOR I	
CODE IDENT NO.	SIZE	DWG NO.	
90536	D	7075155	
SCALE	WEIGHT	SHEET 1 OF 1	

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVAL
A	E13317		EXT INT HOLD ACTIVE FIF MOD	
B	E13375		5 PART 642 B EMU INTERFACE MOD	



upper hold active
 C C 4
 C C 3
 C C 2
 C C 1

FIGURE 8-23

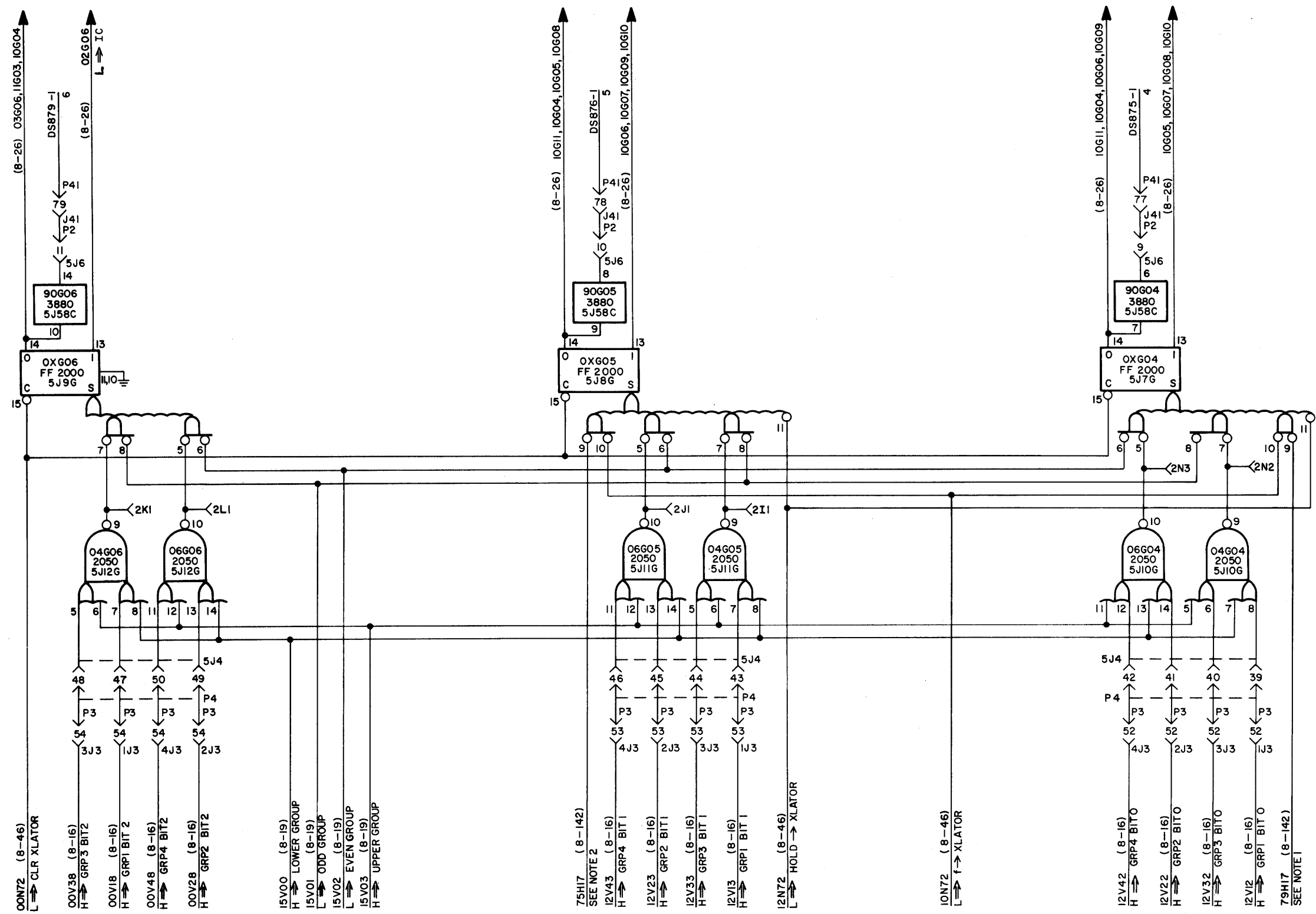
IDENT NO 7075238-00

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UNLESS OTHERWISE SPECIFIED		LAYOUT	DATE	CLASS	LIST OF MATERIAL	
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS ± .003		DRAFTSMAN	12-9-66	A	UNIVAC	
HOLE DIAMETER TOLERANCE ± .003		E. BICKETT			DIVISION OF SPERRY RAND CORPORATION	
THREADS: EXT. CL. INT. CL. 28		CHECKER			TITLE	
MATERIAL		B. POPOV	3-31-67		FUNCTIONAL SCHEMATIC, HOLD REGISTER AND TRANSLATOR 2	
FINISH		ENGINEER			CODE IDENT NO. SIZE DWG NO.	
APPLICATION		D. FREE	3-31-67		90536	D 7075238
COMMODITY CODE		APPROVED			WEIGHT SHEET OF	

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	DATE



NOTE:

- L → f=17K3, 60(j,0,1), 66(K2,3), 63, 66K1b0, 67K0, (74,76)K # 2, 7762, 7765, 7767, 7772
- L → f=13, 17(K0,1,3), 60(j,0,1), 66(K2,3), 66K1b0, 67K1, (74,76)K=2, 7763, 7773

FIGURE 8-24

IDENT NO. 7075156-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DEALT WITH IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION

UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES	TOLERANCE
2 PLACE DECIMALS	3 PLACE DECIMALS
ANGLES	
HOLE DIAMETER TOLERANCE	
0 THRU .250	±.005
.251 THRU .500	±.005
.501 & LARGER	±.010
THREADS: EXPT. CL 2A, INT. CL 2B	
MATERIAL	
FINISH	

LAYOUT	DATE	CLASS
DRAFTSMAN	12-9-66	A
E. BICKETT		
CHECKER		
B. POPOV		
ENGINEER		
J. LAMBING		
APPROVAL		
<i>[Signature]</i>		

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNIVAC						
DIVISION OF SPERRY RAND CORPORATION						
TITLE						
FUNCTIONAL SCHEMATIC, FUNCTION TRANSLATOR						
CODE IDENT NO.	SIZE	DWG NO.				
90536	D	7075156				
SCALE	WEIGHT	SHEET 1 OF 1				

REVISIONS			
SYM	ZONE	EIR	DESCRIPTION
R	4C88		INTERCOMPUTER TERMINATION

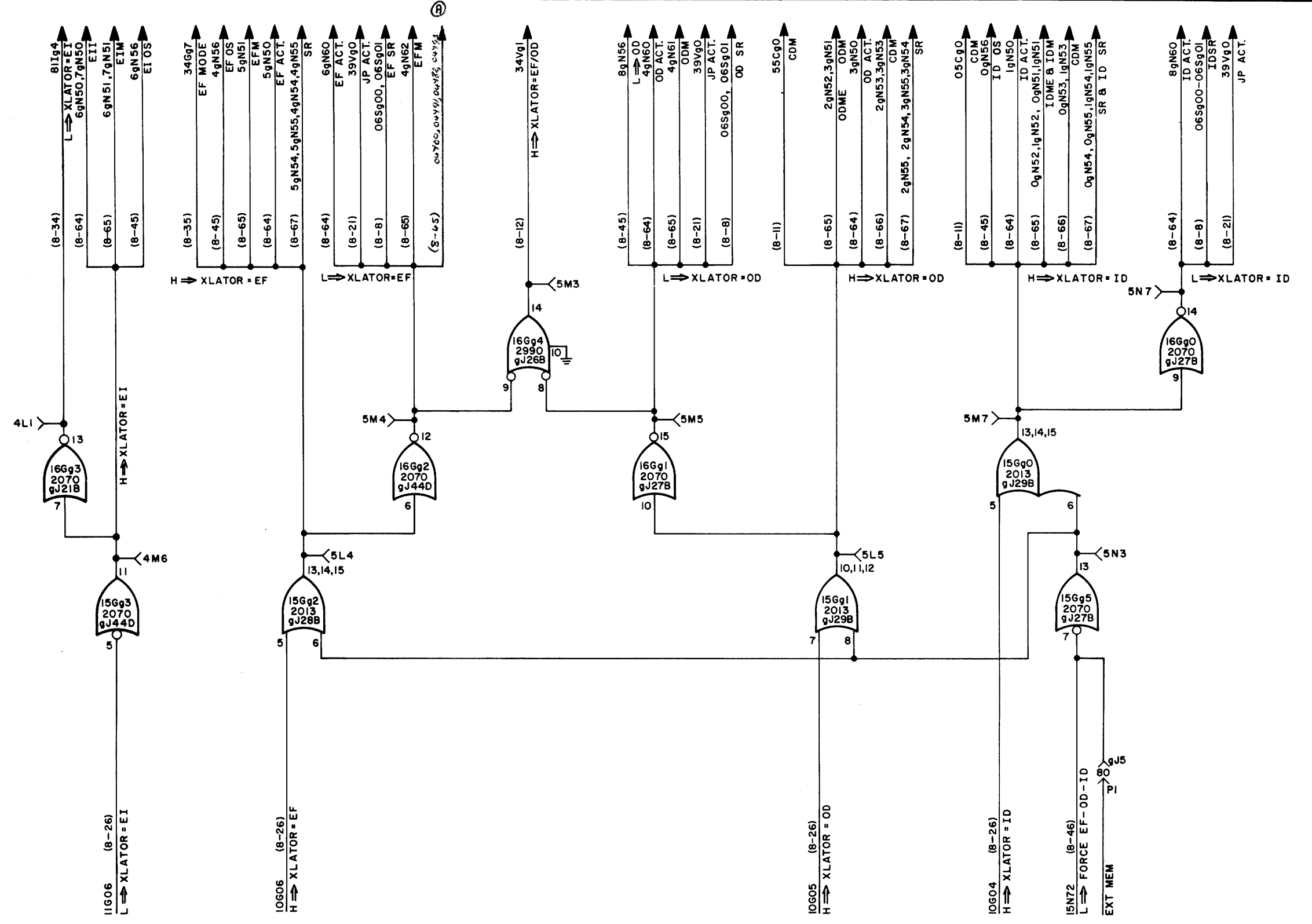


FIGURE 8-25

IDENT NO. 7075157-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:
 ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DEALT WITH IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNLESS OTHERWISE SPECIFIED			LAYOUT			
DIMENSION IN INCHES. TOLERANCE ON			DATE			
2 PLACE DECIMALS ± .003			CLASS			
3 PLACE DECIMALS ± .0005			A			
ANGLES ± .005			DRAFTSMAN			
HOLD DIAMETER TOLERANCE			G. THOMPSON			
0 THRU .250 ± .003			DATE			
.251 THRU .500 ± .0005			1-13-67			
.501 & LARGER ± .010			CHECKER			
THREADS: EXT. CL. 2A, INT. CL. 2B			B. POPOV			
MATERIAL			ENGINEER			
FINISH			J. LAMBING			
NEXT ASSY			APPROVED			
EQUIPMENT			3-31-67			
APPLICATION			3-31-67			
COMMODITY CODE			CODE IDENT NO.			
			90536			
			SIZE			
			D			
			DWG NO.			
			7075157			
			SCALE			
			WEIGHT			
			SHEET 1 OF 1			

REVISIONS				
SYM	ZONE	DIR	DESCRIPTION	APPR/DATE
A	EI3215		EMU CHANNEL PRIORITY CHANGE	

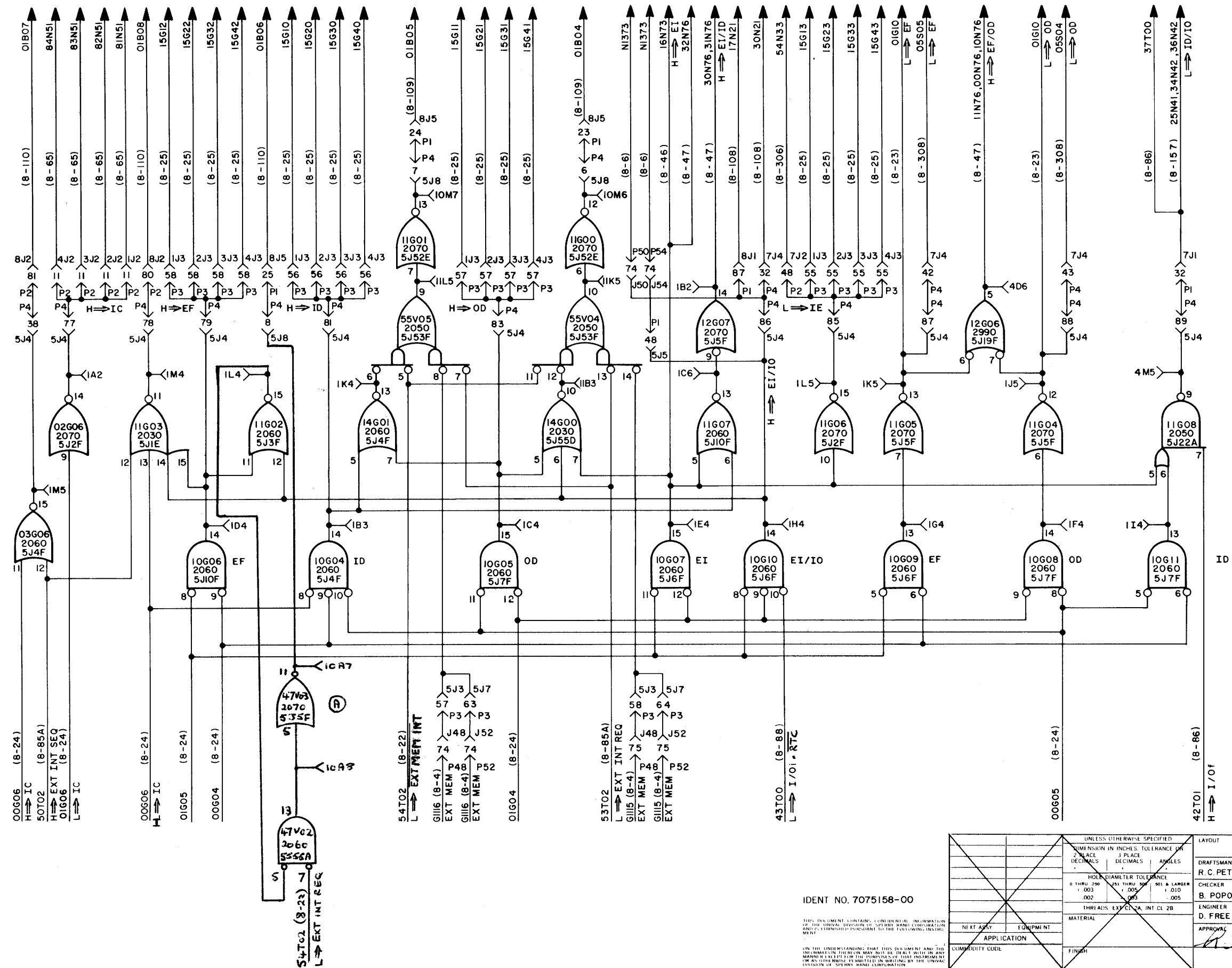


FIGURE 8-26

IDENT NO. 7075158-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION AND THE UNIVAC, UNIVAC LOGO, SPERRY RAND CORPORATION AND SPERRY RAND CORPORATION LOGO ARE TRADEMARKS OF SPERRY RAND CORPORATION.

ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION CONTAINED HEREIN ARE UNCLASSIFIED EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE INDICATED BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

UNLESS OTHERWISE SPECIFIED:	
DIMENSION IN INCHES, TOLERANCE ON:	
2 PLACE DECIMALS	± .005
3 PLACE DECIMALS	± .0005
ANGLES	± .010
HOLE DIAMETER TOLERANCE:	
0 THRU .250	± .005
.251 THRU .500	± .002
.501 & LARGER	± .010
THREADS: EXCEPT AS NOTED	UNF-2A, INT CL 2B
MATERIAL:	
FINISH:	

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL	
CLASS	A
DRAFTSMAN	R. C. PETERSON
CHECKER	B. POPOV
ENGINEER	D. FREE
DATE	12-9-66
DATE	3-31-67
DATE	5-31-67
DATE	5-31-67
TITLE	FUNCTIONAL SCHEMATIC, FUNCTION TRANSLATOR OUTPUTS 2
CODE IDENT NO.	90536
SIZE	D
DWG NO.	7075158
SCALE	
WEIGHT	
SHEET	1 OF 1

REVISIONS			
SYM	ZONE	EIR	DESCRIPTION
P	4088		INTERCOMPUTER TERMINATION

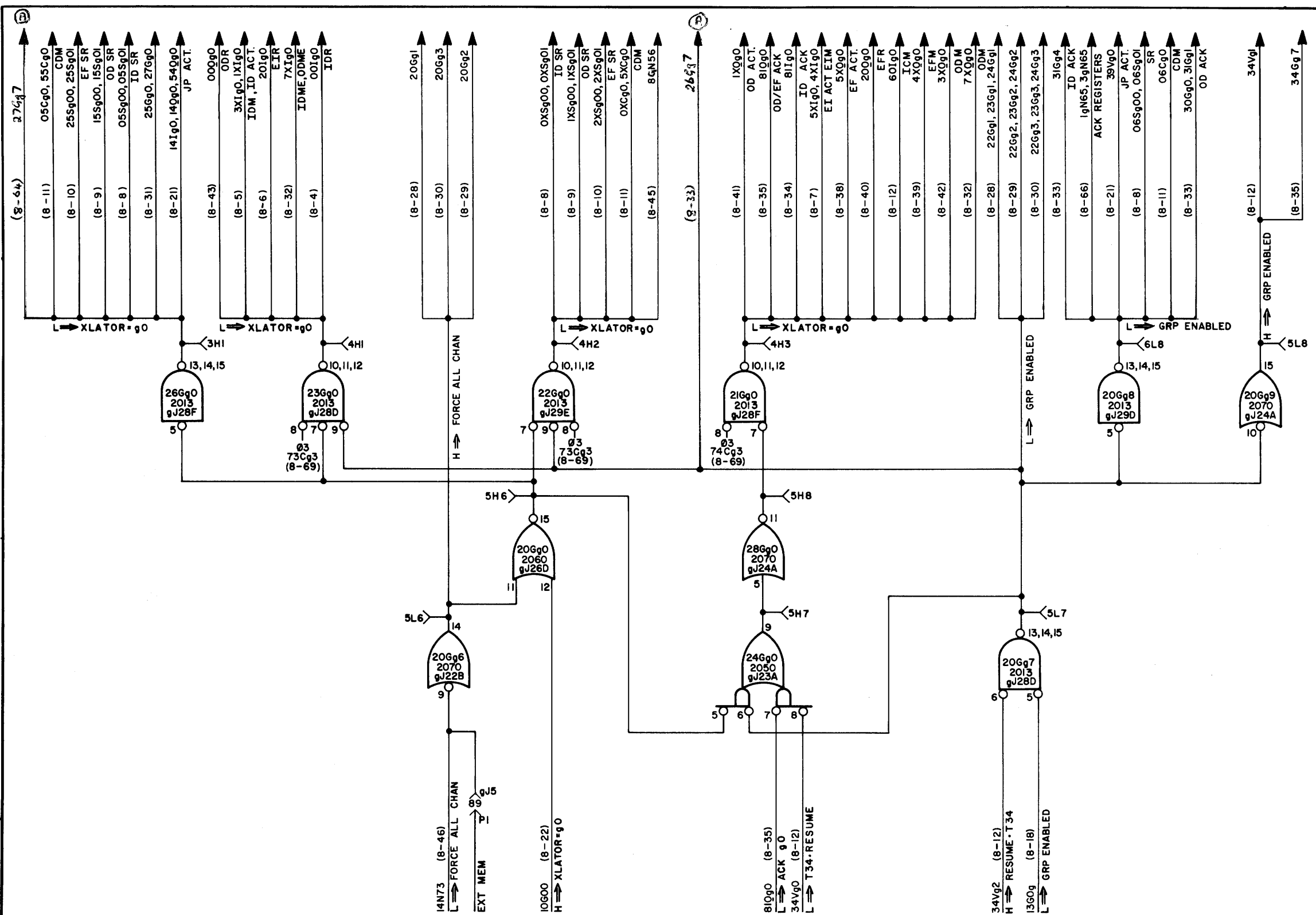


FIGURE 8-27

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						

IDENT NO. 7075159-00

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UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE		CLASS	
DIMENSION IN INCHES. TOLERANCE ON		DRAFTSMAN		1-13-67		A	
2 PLACE DECIMALS	3 PLACE DECIMALS	G. THOMPSON				UNIVAC	
HOLE DIAMETER TOLERANCE		CHECKER		3-31-67		TITLE	
0 THRU .250	.251 THRU .500	R. E. STRELNIKS				FUNCTIONAL SCHEMATIC, TRANSLATOR CHANNEL O ENABES	
.003	.005	ENGINEER		3-31-67		CODE IDENT NO.	
.002	.005	J. LAMBING				SIZE	
THREADS: EXT. CL. 2A, INT. CL. 2B		APPROVAL:		3-31-67		DWG NO.	
MATERIAL		<i>J. Lambing</i>				90536 D 7075159	
APPLICATION		COMMODITY CODE				SCALE	
FINISH						WEIGHT	
						SHEET 1 OF 1	

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED
A	E12781		QD I-SHOT CLR ON IC CHAN AT EF	
B	4088		INTERCOMPUTER TERMINATION.	

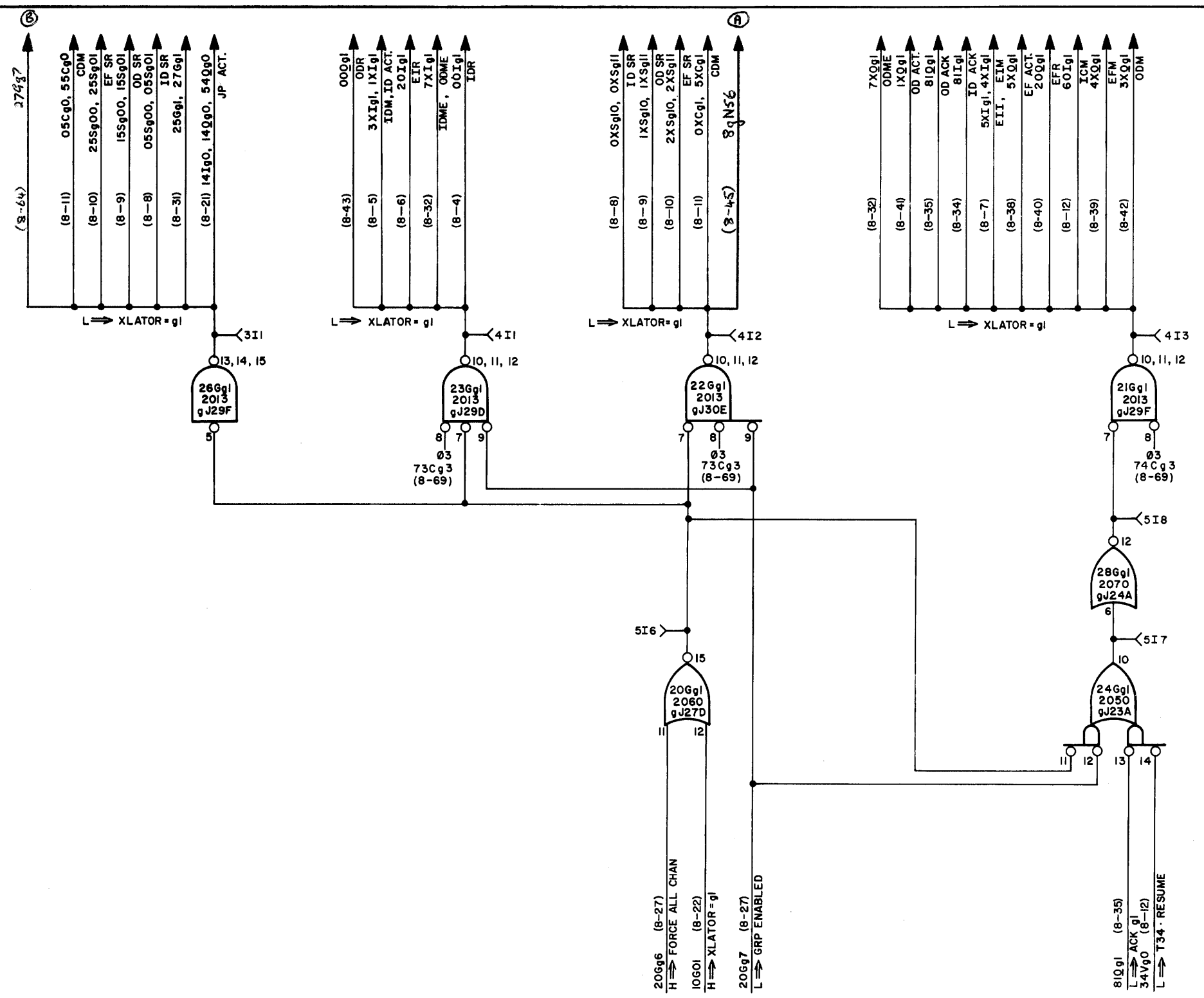


FIGURE 8-28

QTY	FIND	REF DES	CODE IDENT	DRWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
					CLASS	UNIVAC
					DATE	3-5-65
					DRAFTSMAN	ROLAN BITZER
					CHECKER	B. POPOV
					ENGINEER	R. OULICKY
					APPROVAL	<i>R. Oulicky</i>
CODE IDENT NO.	SIZE	DRWG NO.				
90536	D	7032646				
SCALE	WEIGHT	SHEET	OF			

IDENT NO. 7032646-00

UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES	TOLERANCE ON 3 PLACE DECIMALS
ANGLES	
HOLE DIAMETER TOLERANCE	
0 THRU .250	+ .003
.251 THRU .500	+ .004
.501 THRU .750	+ .005
.751 THRU 1.000	+ .007
1.001 THRU 2.000	+ .010
2.001 THRU 3.000	+ .015
3.001 THRU 4.000	+ .020
4.001 THRU 6.000	+ .030
6.001 THRU 10.000	+ .050
THREADS EXCEPT 1/4 INT CL 2B	
MATERIAL	
FINISH	
COMMODITY CODE	
APPLICATION	
NEXT ASSEMBLY EQUIPMENT	

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REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED
A	E12781		ODI-SHOT CLR ON IC CHAN AT EF	
B	4083		INTERCOMPUTER TERMINATION	

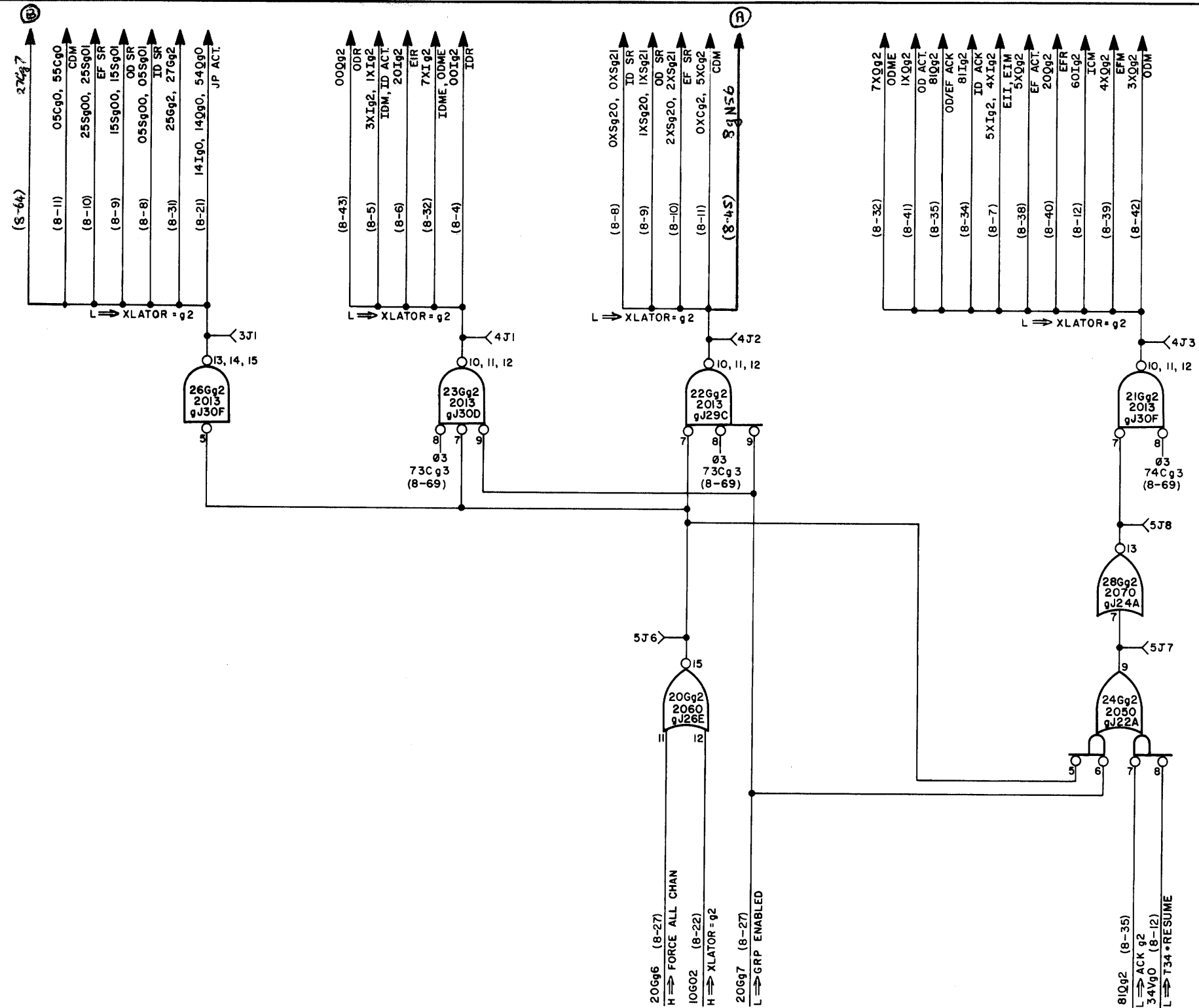


FIGURE 8-29

IDENT NO. 7032647-00

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UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE		CLASS	
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS 3 PLACE DECIMALS 1 ANGLE		ROLAN BITZER		3-8-65		A	
HOLE DIAMETER TOLERANCE 0 THRU .250 +.003 .251 THRU .500 +.005 .501 & LARGER +.010		CHECKER		B.P. 9-15-61		TITLE	
THREADS: EXCEPT AS INT. CL. 2B		ENGINEER		R. OULICKY 9-15-61		FUNCTIONAL SCHEMATIC, TRANSLATOR CHANNEL 2 ENABLES	
MATERIAL		APPROVAL		9-15-61		CODE IDENT NO. SIZE DWG NO.	
FINISH						90536 D 7032647	
NEXT ASSY		EQUIPMENT				SCALE WEIGHT SHEET OF	
APPLICATION							
CUMULATIVE CODE							

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						

REVISIONS			
NO.	DATE	DESCRIPTION	APPROVED
A	8-15-65	OD 1-SHOT CLR ON IC CHAN ATEF	
B	4-08-68	INTERCOMPUTER TERMINATION	

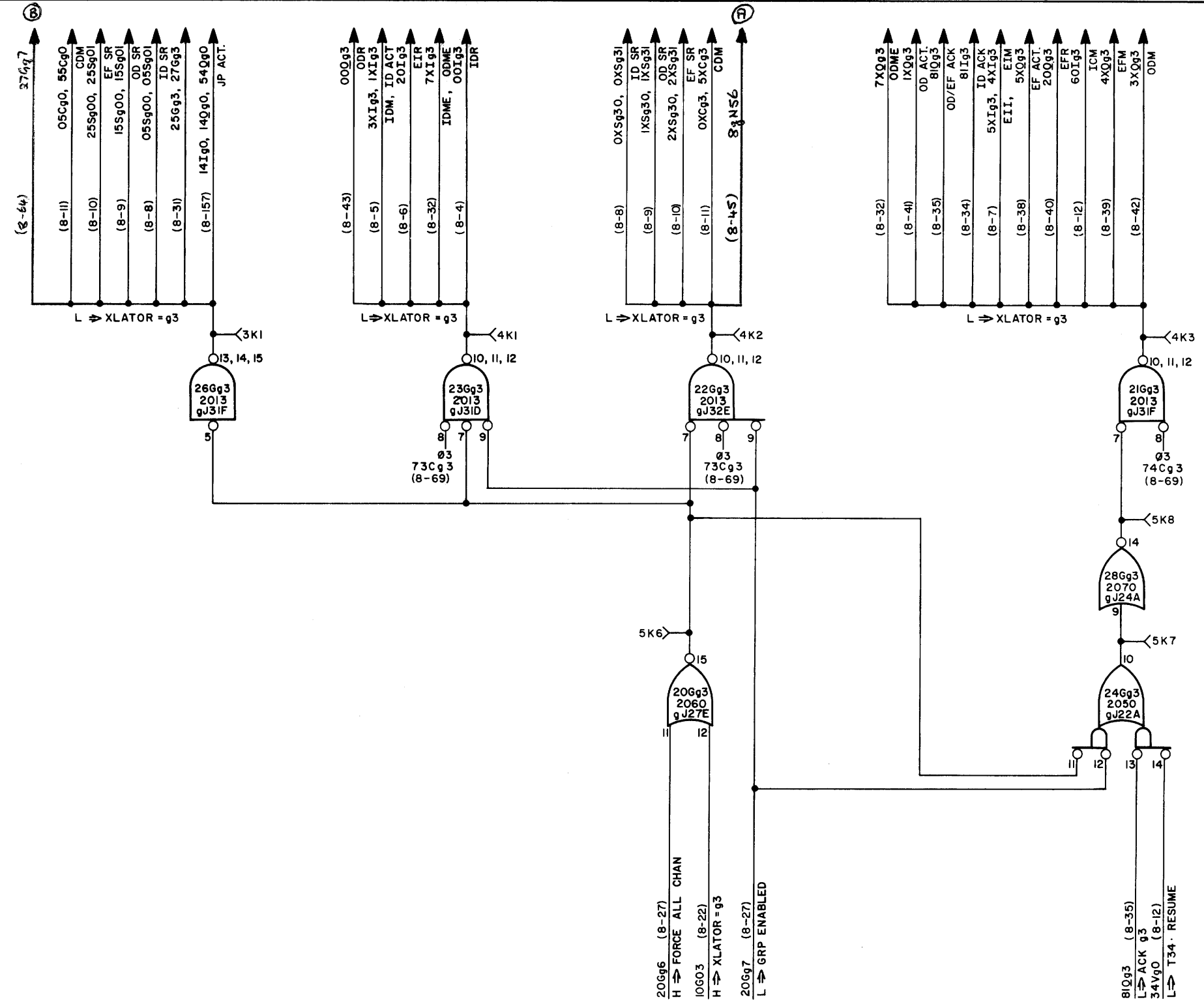


FIGURE 8-30

QTY	FIND	REF DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL			
CLASS	DATE	IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
A	3-8-65		UNIVAC
DIVISION OF SPERRY RAND CORPORATION			
TITLE			
FUNCTIONAL SCHEMATIC, TRANSLATOR CHANNEL 3 ENABLES			
CODE IDENT NO.	SIZE	DWG NO.	
90536	D	7032648	
SCALE	WEIGHT	SHEET 1 OF 1	

IDENT NO. 7032648-00

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UNLESS OTHERWISE SPECIFIED
FINISH
APPROVAL
DATE
CLASS
DATE
DRAFTSMAN
CHECKER
ENGINEER
APPROVAL

ROLAN BITZER	3-8-65
B. POPOV	8-15-65
R. OULICKY	8-15-65

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	APPROVED

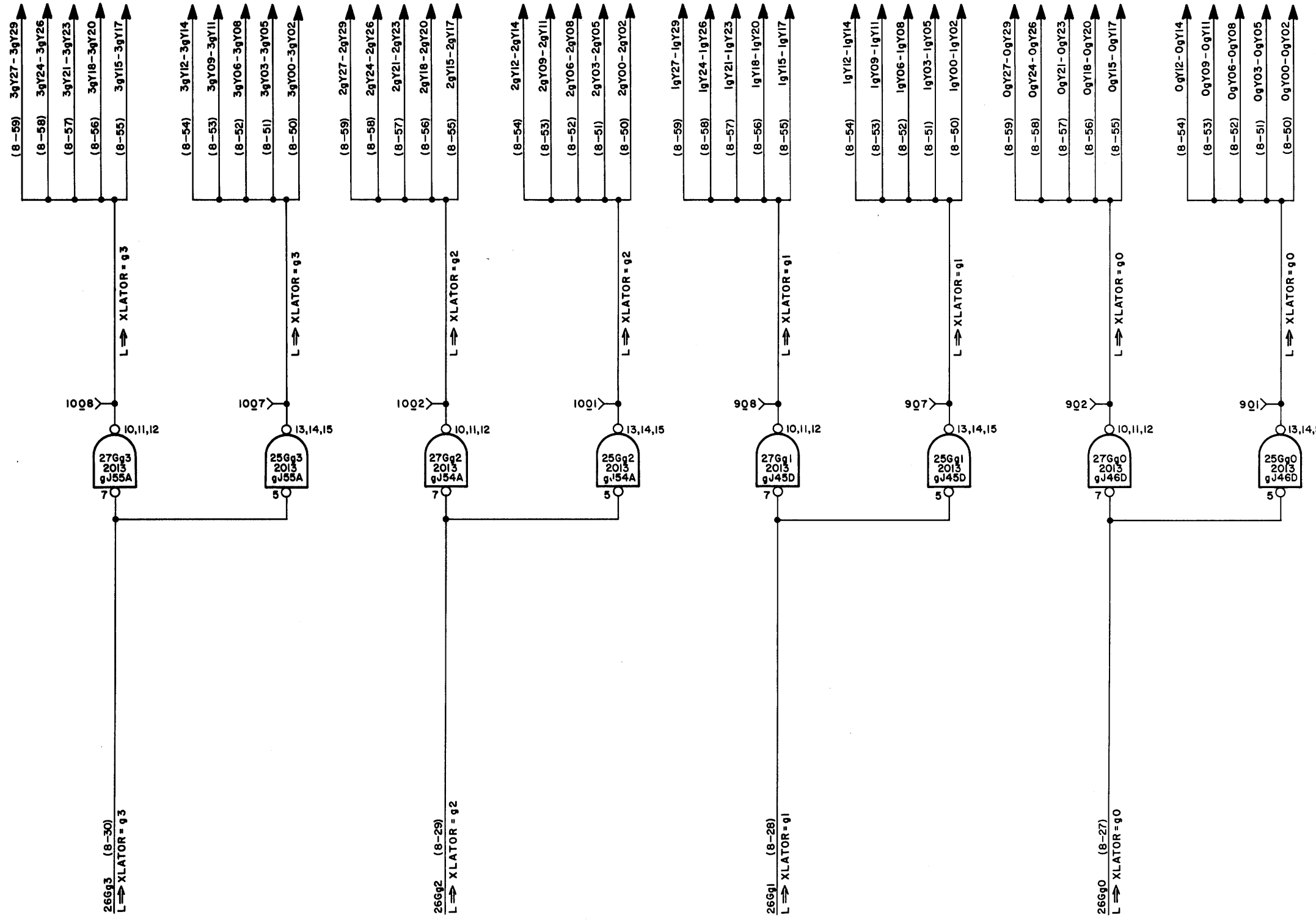


FIGURE 8-31

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNIVAC						
DIVISION OF SPERRY RAND CORPORATION						
TITLE: FUNCTIONAL SCHEMATIC TRANSLATOR GROUP ENABLES						
CLASS A		DATE 3-9-65		DRAFTSMAN W.C. MEGGERS		
		CHECKER B. POPOV		ENGINEER R. OULICKY		
COMMODITY CODE		APPROVAL <i>W.C. Meggers</i>		DATE 9-15-65		
IDENT NO. 7032641-00		CODE IDENT NO. 90536		SIZE D		DWG NO. 7032641
		SCALE		WEIGHT		SHEET OF

IDENT NO. 7032641-00

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UNLESS OTHERWISE SPECIFIED:	
DIMENSION IN INCHES	TOLERANCE OR FINISH
2 PLACE DECIMALS	3 PLACE DECIMALS
1 ANGLE	1 ANGLE
HOLE DIAMETER TOLERANCE	
0 THRU .250	.003
.251 THRU .500	.005
.501 & LARGER	.010
THREADS EXCEPT INT CL 2B	
0.002	0.005
MATERIAL	
FINISH	

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED
A		71684	SEE EIR	APR 10-23-5

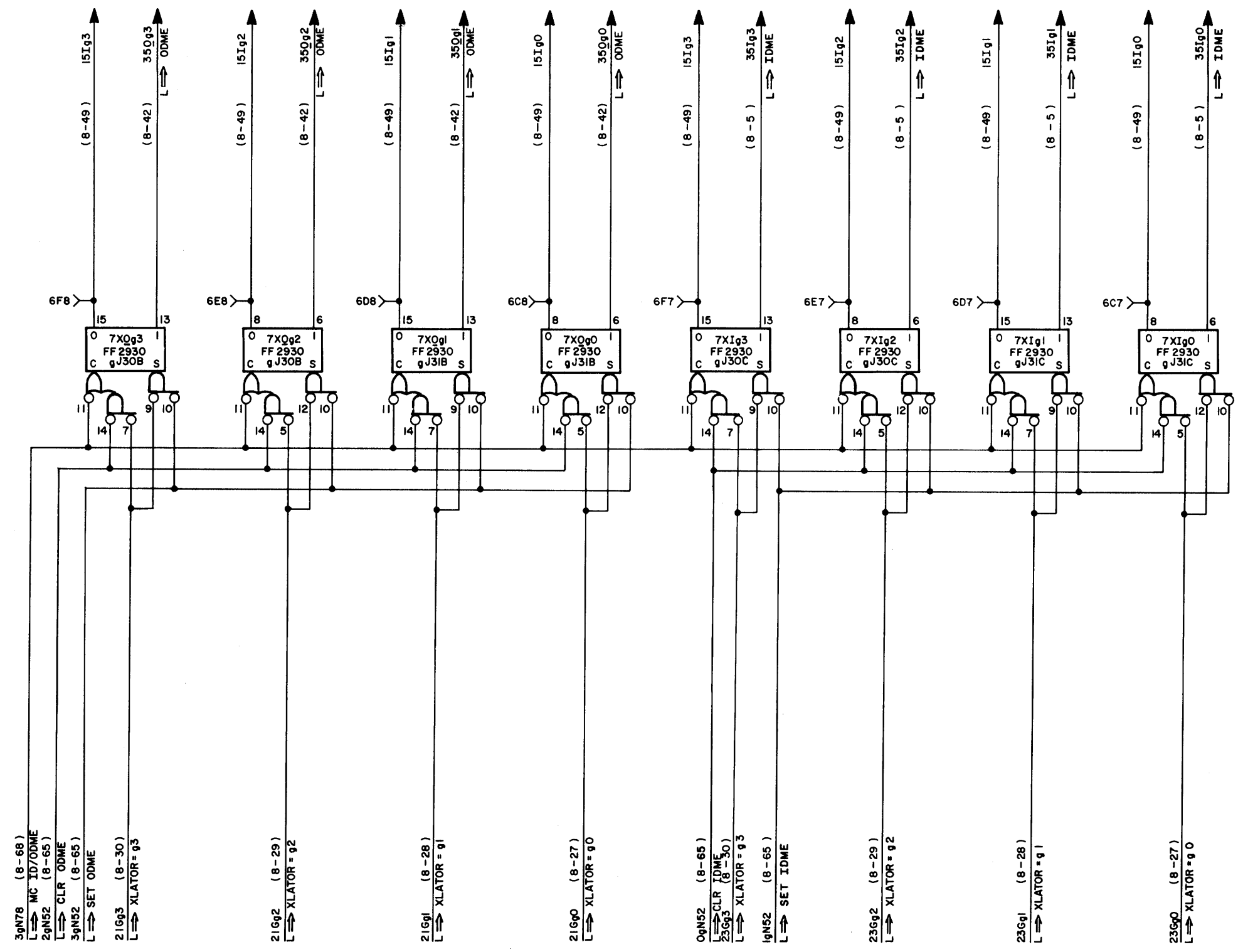


FIGURE 8-32

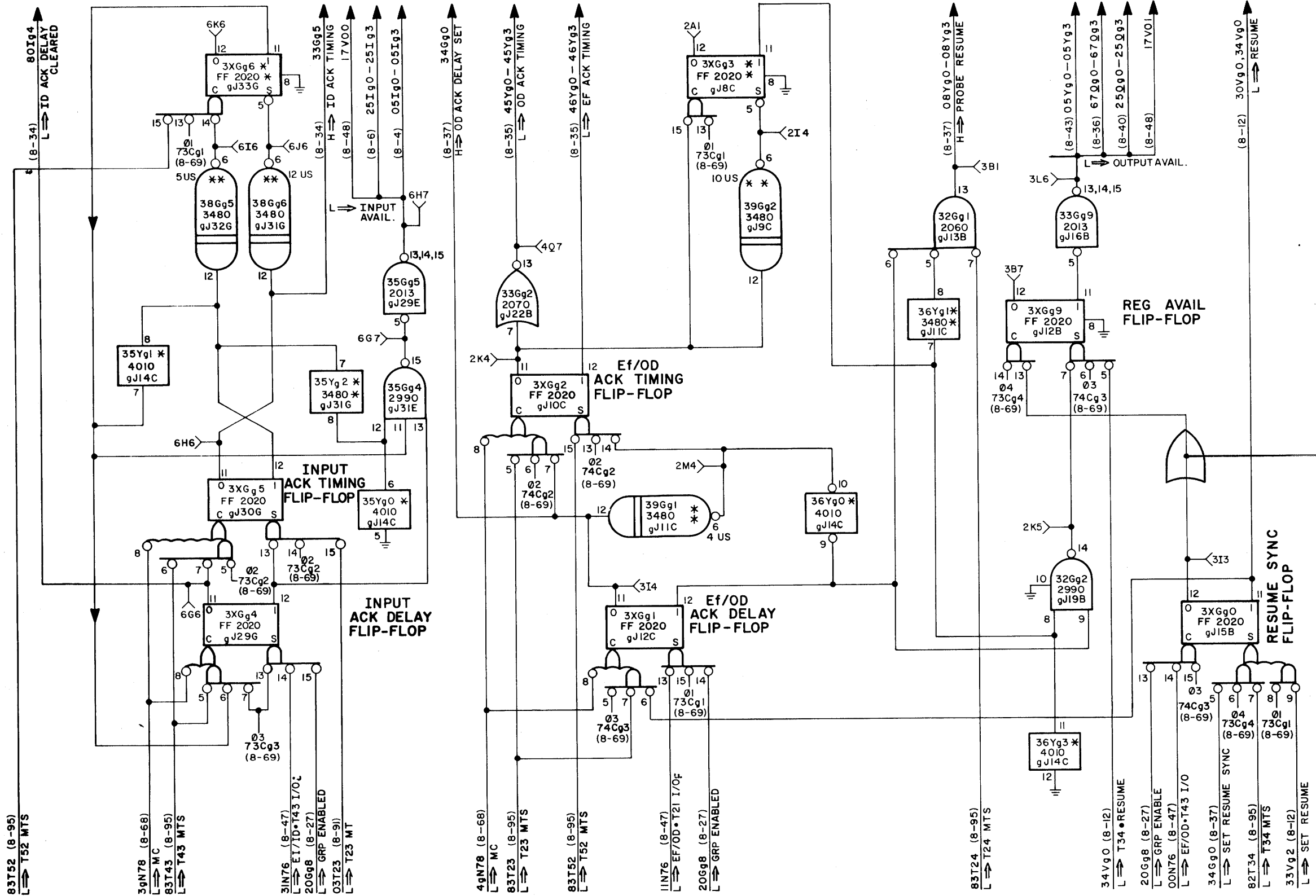
IDENT NO. 7032622-00

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QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNLESS OTHERWISE SPECIFIED			LAYOUT			
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS			DATE			
HOLE DIAMETER TOLERANCE			CLASS			
0 THRU .250 +.003			A			
.251 THRU .500 +.005			DRAFTSMAN			
.501 & LARGER +.010			R. CALTON			
THREADS EXCEPT INT CL 2B			CHECKER			
MATERIAL			B. POPOV			
FINISH			ENGINEER			
NEXT ASSY			R. OULICKY			
EQUIPMENT			APPROVAL			
APPLICATION			[Signature]			
COMMODITY CODE			DATE			
			3-2-65			
			TITLE			
			FUNCTIONAL SCHEMATIC, IN/OUT MON ENABLE REGISTERS			
			CODE IDENT NO.			
			90536			
			SIZE			
			D			
			DWG NO.			
			7032622			
			SCALE			
			WEIGHT			
			SHEET 1 OF 1			

REVISIONS				
NO.	DATE	DESCRIPTION	BY	APPROVED
A	7/3/65	SEE EIR	...	10-23-65
B	7/3/65	SEE EIR
C	4/22/66	INTERCOMPUTER TERMINATION.



NOTE:
 1. * REMOVE FOR SLOW INTERFACE.
 2. ** REMOVE FOR FAST INTERFACE.

FIGURE 8-33

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL	
266g7	206g0
206g7	206g7
L → SET RESUME SYNC	
L → GRP EN.	

UNLESS OTHERWISE SPECIFIED	DATE	CLASS
DIMENSIONS IN INCHES - TOLERANCE UNLESS SHOWN OTHERWISE: FRACTIONS: .001, .002, .003, .005, .010, .015, .030, .040, .050, .060, .070, .080, .090, .100, .150, .200, .300, .400, .500, .750, 1.000 DECIMALS: .001, .002, .003, .005, .010, .015, .030, .040, .050, .060, .070, .080, .090, .100, .150, .200, .300, .400, .500, .750, 1.000 DECIMALS: .001, .002, .003, .005, .010, .015, .030, .040, .050, .060, .070, .080, .090, .100, .150, .200, .300, .400, .500, .750, 1.000	3-4-65	A
DRAFTSMAN D.C. WHEELER	TITLE FUNCTIONAL SCHEMATIC, ACKNOWLEDGE TIMING	
CHECKER B. POPOV	CODE IDENT NO. 90536 SIZE D DWG NO. 7032636	
ENGINEER R. OULICKY	SCALE _____ WEIGHT _____ SHEET 1 OF 1	

IDENT NO. 7032636-00

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REVISIONS				DATE	APPROVED
SYM	ZONE	EIR	DESCRIPTION		
A		71684	SEE EIR	8-20-66	[Signature]

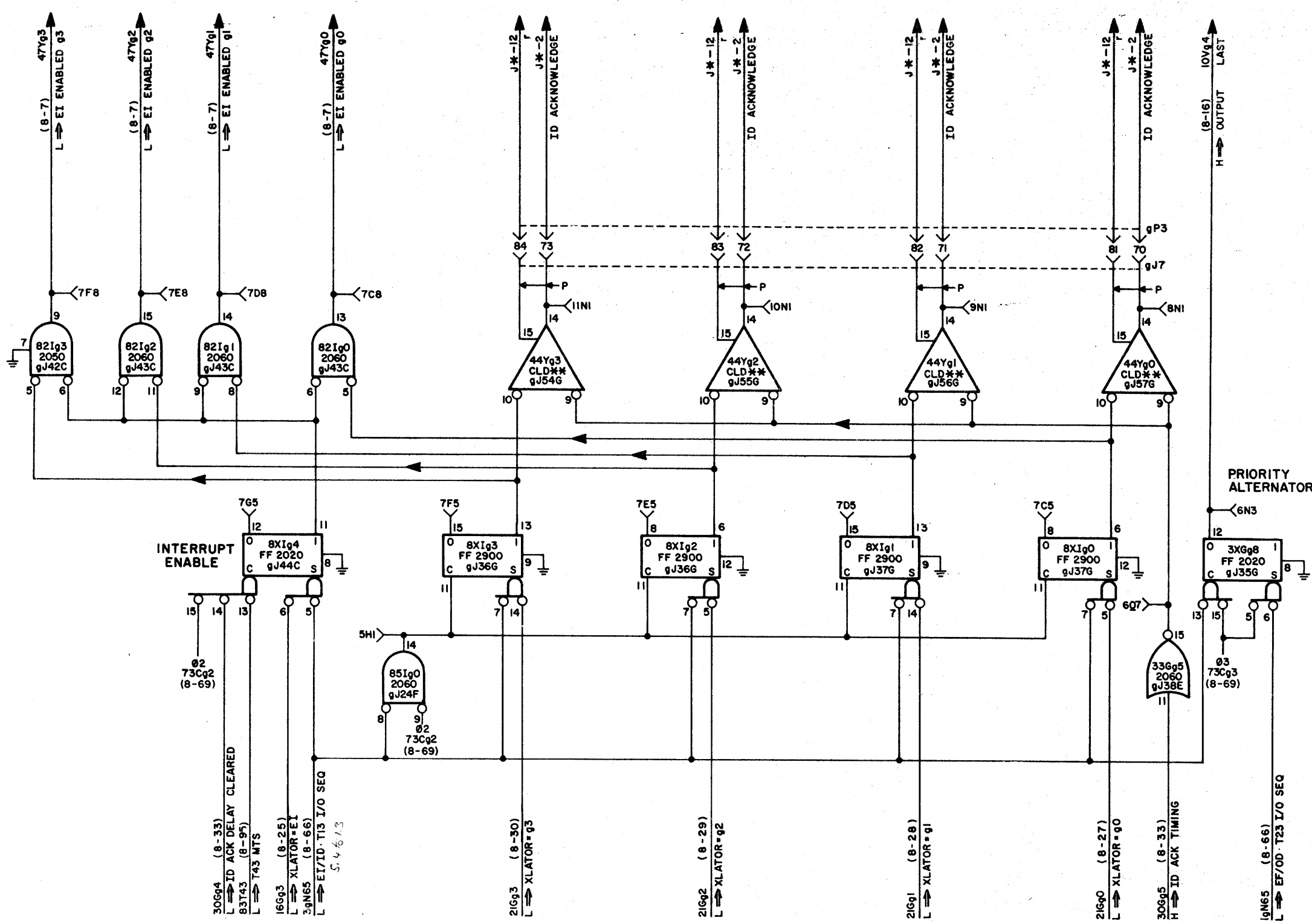


FIGURE 8-34

* INPUT CHANNEL	0	1	2	3	4	5	6	7	10	11	12	13	14	15	16	17
I/O JACK	27	16	4	5	28	17	6	7	18	19	8	9	20	21	10	11

** CLD WILL BE A 2130 FOR SLOW INTERFACE OR A 2331 FOR FAST INTERFACE.

IDENT NO. 7032631-00

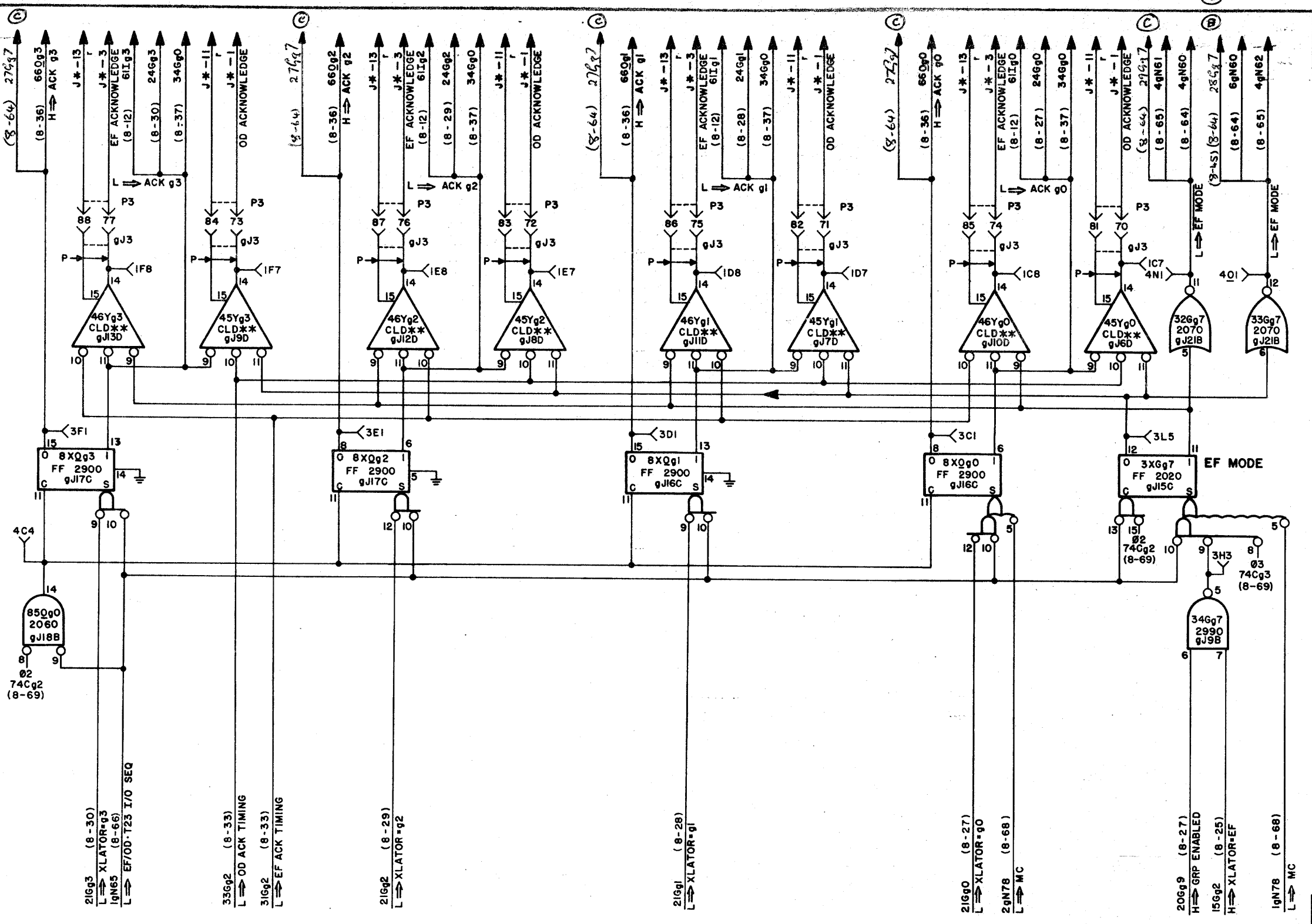
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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES	TOLERANCE OR FINISH
FRAMES	± .005
ANGLES	± .005
HOLD DIAMETER TOLERANCE	± .005
9 THRU .250	± .005
.251 THRU .500	± .005
.501 & LARGER	± .010
THREADS	EXP. CL. 2A, INT. CL. 2B

LIST OF MATERIAL		PART OR IDENTIFYING NO.		NOMENCLATURE OR DESCRIPTION	
QTY REQD	FINO	REF DES	CODE IDENT	DWG SIZE	
LAYOUT		DATE		CLASS	
DRAFTSMAN		3-10-66		A	
R.CALTON				UNIVAC	
CHECKER				DIVISION OF SPERRY RAND CORPORATION	
B. POPOV				TITLE	
ENGINEER				FUNCTIONAL SCHEMATIC, INPUT ACK REGISTER	
R. OULICKY				CODE IDENT NO.	
APPROVAL		[Signature]		SIZE	
				D	
				DWG NO.	
				7032631	
				SCALE	
				WEIGHT	
				SHEET	
				OF	

REVISIONS			
SYM	ZONE	EIR	DESCRIPTION
A		71685	SEE EIR
B	E12781		OD I-SHOT CLR ON IC Chan. at EF
C	4088		INTERCOMPUTER TERMINATION



* OUTPUT CHANNEL

CHANNEL	0	1	2	3	4	5	6	7	10	11	12	13	14	15	16	17
I/O JACK	29	30	31	32	33	34	35	36	23	24	25	26	12	13	14	15

** CLD WILL BE A 2130 FOR SLOW INTERFACE OR A 2331 FOR FAST INTERFACE.

FIGURE 8-35

IDENT NO. 7032629-00

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UNLESS OTHERWISE SPECIFIED		DIMENSION IN INCHES TOLERANCE ON 2 PLACE DECIMALS		3 PLACE DECIMALS		ANGLES	
HOLD-DIAMETER TOLERANCE		0 THRU .250		.251 THRU .500		.501 & LARGER	
		+ .003		+ .005		+ .010	
		- .002		- .003		- .005	
MATERIAL THRLAUS EXP. CL. INT. CL. 2B							
FINISH							

DATE	CLASS	DRAWN BY ROLAN BITZER	DATE	CLASS	DRAWN BY ROLAN BITZER	DATE	CLASS	
3-11-65	A							3-11-65
CHECKER B. POPOV			ENGINEER R. OULICKY			APPROVAL		
TITLE FUNCTIONAL SCHEMATIC, OD AND EF ACK REGISTER			CODE IDENT. NO.		SIZE		DWG. NO.	
90536			D		7032629		SHEET 1 OF 1	

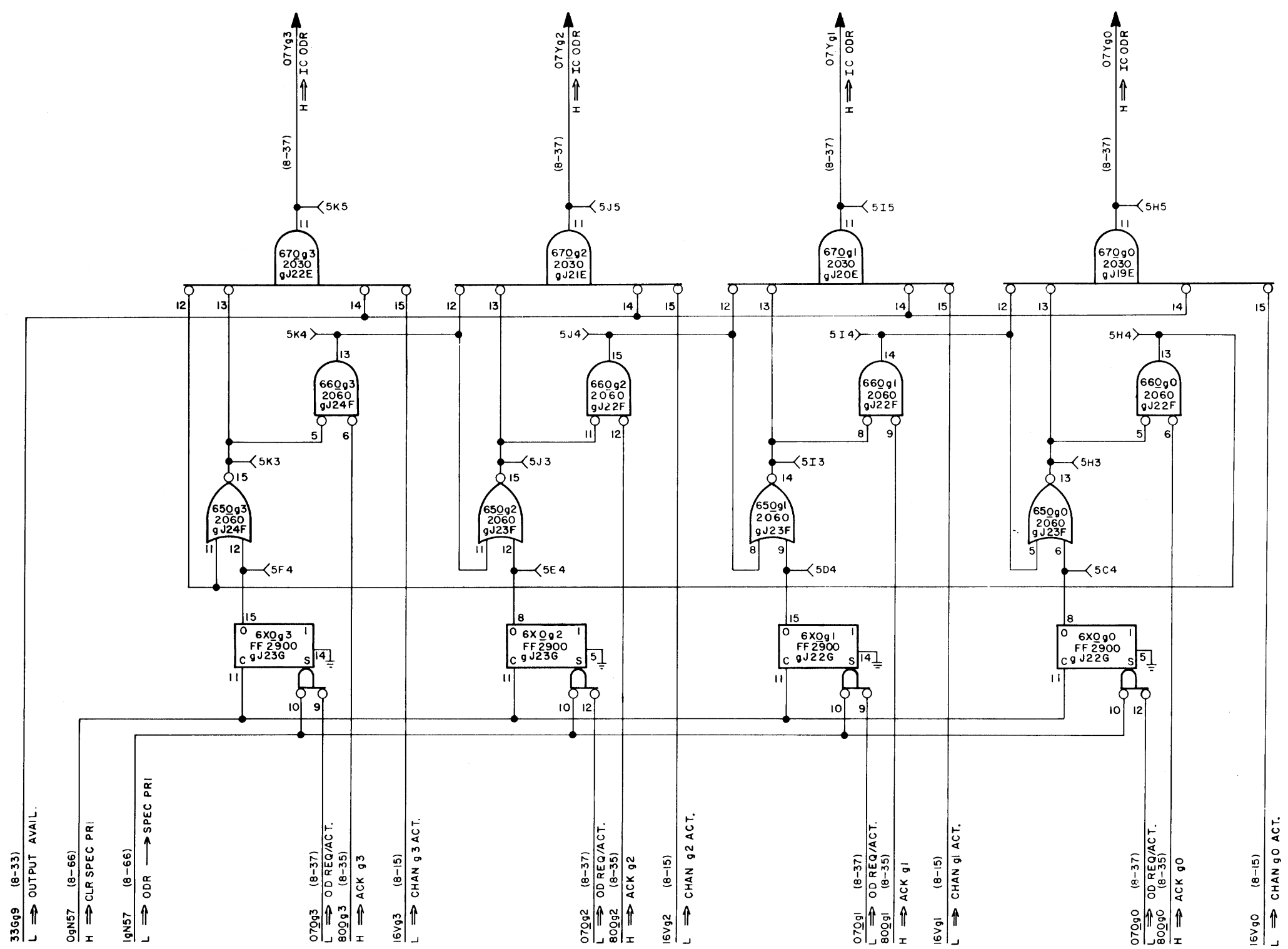


FIGURE 8-36

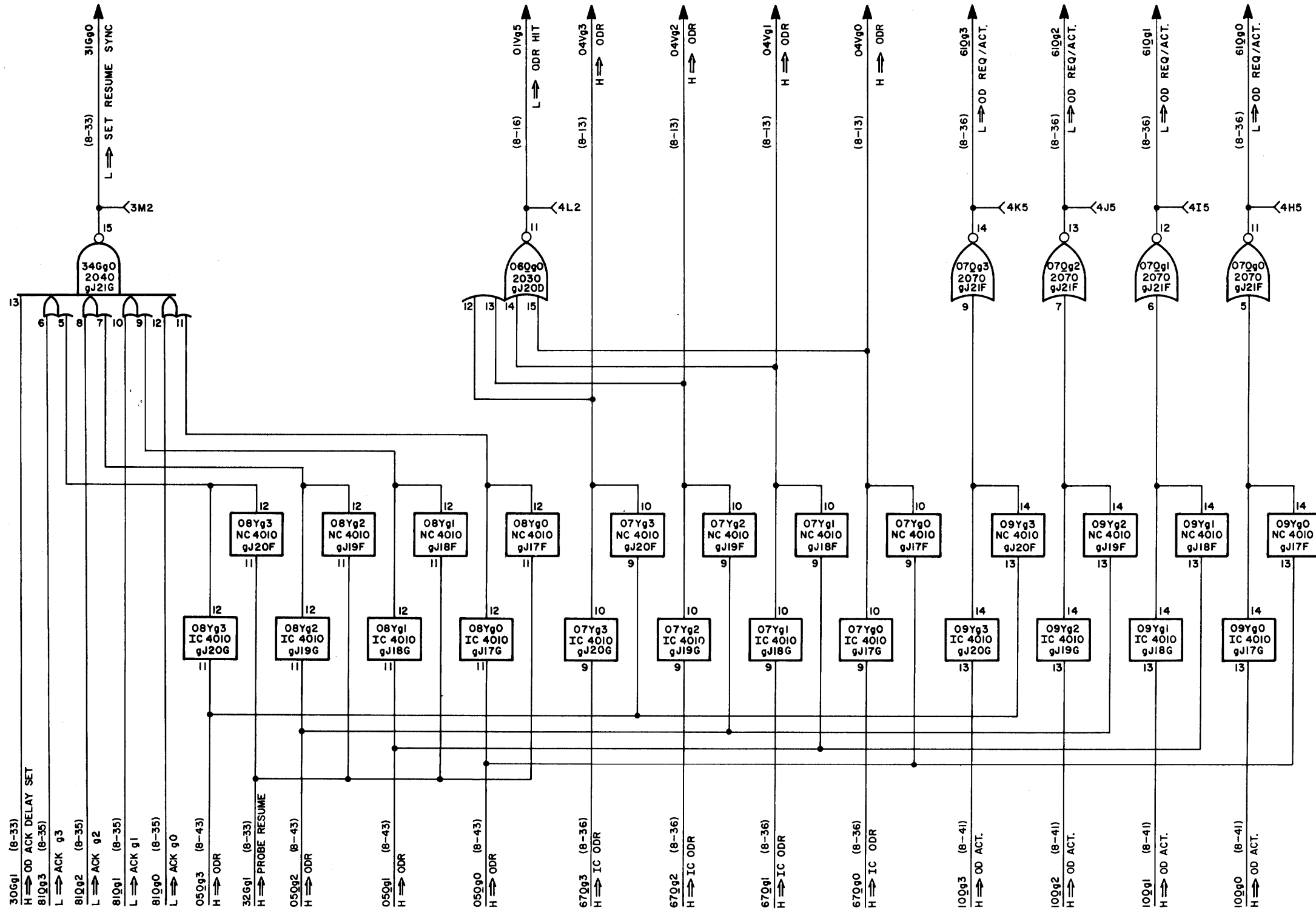
IDENT NO. 7032601-00

UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES: FRACTIONS OR DECIMALS
DIMENSIONS IN MILLIMETERS: MILLIMETERS
DIMENSIONS IN METERS: METERS
DIMENSIONS IN FEET: FEET
DIMENSIONS IN KILOMETERS: KILOMETERS
DIMENSIONS IN MILES: MILES
DIMENSIONS IN NAUTICAL MILES: NAUTICAL MILES
DIMENSIONS IN YARDS: YARDS
DIMENSIONS IN FATHOMS: FATHOMS
DIMENSIONS IN FURLONGS: FURLONGS
DIMENSIONS IN RODS: RODS
DIMENSIONS IN PERCHES: PERCHES
DIMENSIONS IN CHAINS: CHAINS
DIMENSIONS IN MILES: MILES
DIMENSIONS IN NAUTICAL MILES: NAUTICAL MILES
DIMENSIONS IN FURLONGS: FURLONGS
DIMENSIONS IN RODS: RODS
DIMENSIONS IN PERCHES: PERCHES
DIMENSIONS IN CHAINS: CHAINS

UNLESS OTHERWISE SPECIFIED	UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES: FRACTIONS OR DECIMALS	DIMENSION IN INCHES: FRACTIONS OR DECIMALS
DIMENSIONS IN MILLIMETERS: MILLIMETERS	DIMENSIONS IN MILLIMETERS: MILLIMETERS
DIMENSIONS IN METERS: METERS	DIMENSIONS IN METERS: METERS
DIMENSIONS IN FEET: FEET	DIMENSIONS IN FEET: FEET
DIMENSIONS IN KILOMETERS: KILOMETERS	DIMENSIONS IN KILOMETERS: KILOMETERS
DIMENSIONS IN MILES: MILES	DIMENSIONS IN MILES: MILES
DIMENSIONS IN NAUTICAL MILES: NAUTICAL MILES	DIMENSIONS IN NAUTICAL MILES: NAUTICAL MILES
DIMENSIONS IN FURLONGS: FURLONGS	DIMENSIONS IN FURLONGS: FURLONGS
DIMENSIONS IN RODS: RODS	DIMENSIONS IN RODS: RODS
DIMENSIONS IN PERCHES: PERCHES	DIMENSIONS IN PERCHES: PERCHES
DIMENSIONS IN CHAINS: CHAINS	DIMENSIONS IN CHAINS: CHAINS
DIMENSIONS IN MILES: MILES	DIMENSIONS IN MILES: MILES
DIMENSIONS IN NAUTICAL MILES: NAUTICAL MILES	DIMENSIONS IN NAUTICAL MILES: NAUTICAL MILES
DIMENSIONS IN FURLONGS: FURLONGS	DIMENSIONS IN FURLONGS: FURLONGS
DIMENSIONS IN RODS: RODS	DIMENSIONS IN RODS: RODS
DIMENSIONS IN PERCHES: PERCHES	DIMENSIONS IN PERCHES: PERCHES
DIMENSIONS IN CHAINS: CHAINS	DIMENSIONS IN CHAINS: CHAINS

QTY	KIND	REP DES	CLASS	DATE	CLASS	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL							
UNIVAC				DIVISION OF SPERRY RAND CORPORATION			
DRAFTSMAN		R. STEBBINS		DATE		218-65	
CHECKER		B. POPOV		CLASS		A	
ENGINEER		R. OULICKY		TITLE		FUNCTIONAL SCHEMATIC SPECIAL PRIORITY I	
APPROVAL				CODE IDENT NO		90536	
				SIZE		D	
				DWG NO		7032601	
				SCALE			
				WEIGHT			
				SHEET		1 OF 1	

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		71703	SEE EIR		08/11-65	[Signature]



NOTE:
 1. REFER TO CHASSIS MAP DRAWING 7032880 FOR PROPER PLACEMENT OF THE 4010 JUMPER CARDS TO SELECT CHANNELS FOR INTER-COMPUTER OR NORMAL OPERATION.

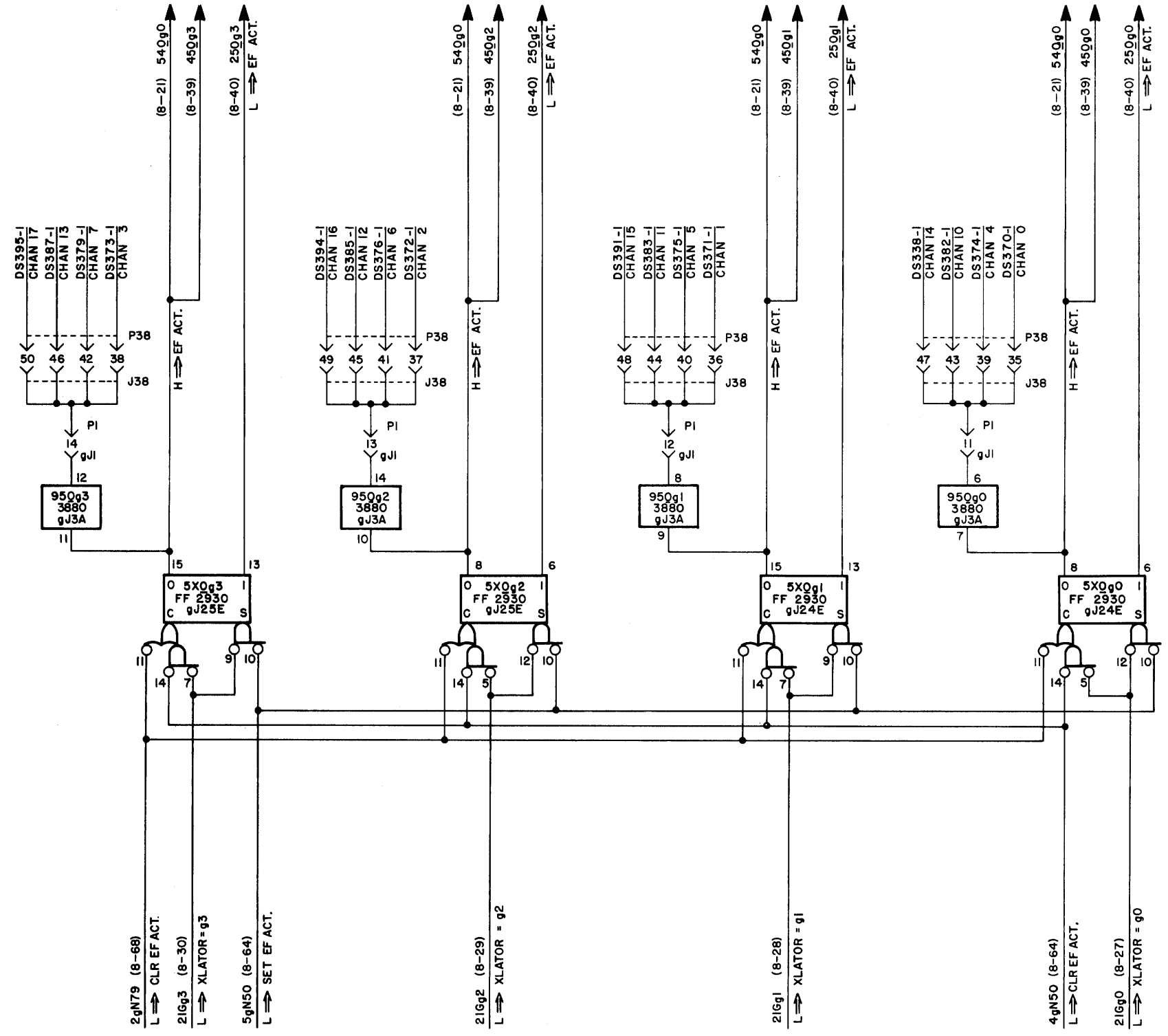
FIGURE 8-37

IDENT NO. 7032628-00

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UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE	CLASS
DIMENSION IN INCHES. TOLERANCE ON		3 PLACE DECIMALS		3-16-65	A
HOLE DIAMETER TOLERANCE		3 PLACE DECIMALS			
0 THRU .250		+ .003			
.251 THRU .500		+ .005			
.501 & LARGER		+ .010			
THREADS: EXT. CL. 2A, INT. CL. 2B		FINISH			
MATERIAL		MATERIAL			
APPLICATION		APPLICATION			
COMMODITY CODE		COMMODITY CODE			
NEXT ASSY		NEXT ASSY			
EQUIPMENT		EQUIPMENT			
DRAWN		DRAWN			
V. STEEBER		V. STEEBER			
CHECKER		CHECKER			
B. POPOV		B. POPOV			
ENGINEER		ENGINEER			
R. OULICKY		R. OULICKY			
APPROVAL		APPROVAL			
[Signature]		[Signature]			
UNIVAC		UNIVAC			
DIVISION OF SPERRY RAND CORPORATION		DIVISION OF SPERRY RAND CORPORATION			
TITLE		TITLE			
FUNCTIONAL SCHEMATIC,		FUNCTIONAL SCHEMATIC,			
SPECIAL PRIORITY 2		SPECIAL PRIORITY 2			
CODE IDENT NO.	SIZE	DWG NO.			
90536	D	7032628			
SCALE	WEIGHT	SHEET	OF		

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	DATE



2gN79 (8-68)
L → CLR EF ACT.

216g3 (8-30)
L → XLATOR = g3

5gN50 (8-64)
L → SET EF ACT.

216g2 (8-29)
L → XLATOR = g2

216g1 (8-28)
L → XLATOR = g1

4gN50 (8-64)
L → CLR EF ACT.

216g0 (8-27)
L → XLATOR = g0

FIGURE 8-38

IDENT NO. 7032643-00

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QTY	FIND	REF DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

UNLESS OTHERWISE SPECIFIED			
DIMENSION IN INCHES	TOLERANCE	CLASS	DATE
2 PLACE	.005	A	3-9-65
3 PLACE	.001		
DECIMALS	.0005		
ANGLES	±		
HOLE DIAMETER TOLERANCE			
0 THRU .250	±.005		
.251 THRU .500	±.005		
.501 & LARGER	±.010		
0.002	±.005		
0.012	±.005		
THREAITS EXCEPT IN INT CL 2B			

COMMODITY CODE	EQUIPMENT	APPLICATION	FINISH

LAYOUT	DATE	CLASS	TITLE
ROLAN BITZER	3-9-65	A	FUNCTIONAL SCHEMATIC, EF ACTIVE
CHECKER			
B. POPOV	7-15-65		
ENGINEER			
R. OULICKY	7-15-65		
APPROVAL			

CODE IDENT NO.	SIZE	DWG NO.
90536	D	7032643

SCALE	WEIGHT	SHEET	OF
		1	1

REVISIONS			
NO.	DATE	BY	DESCRIPTION

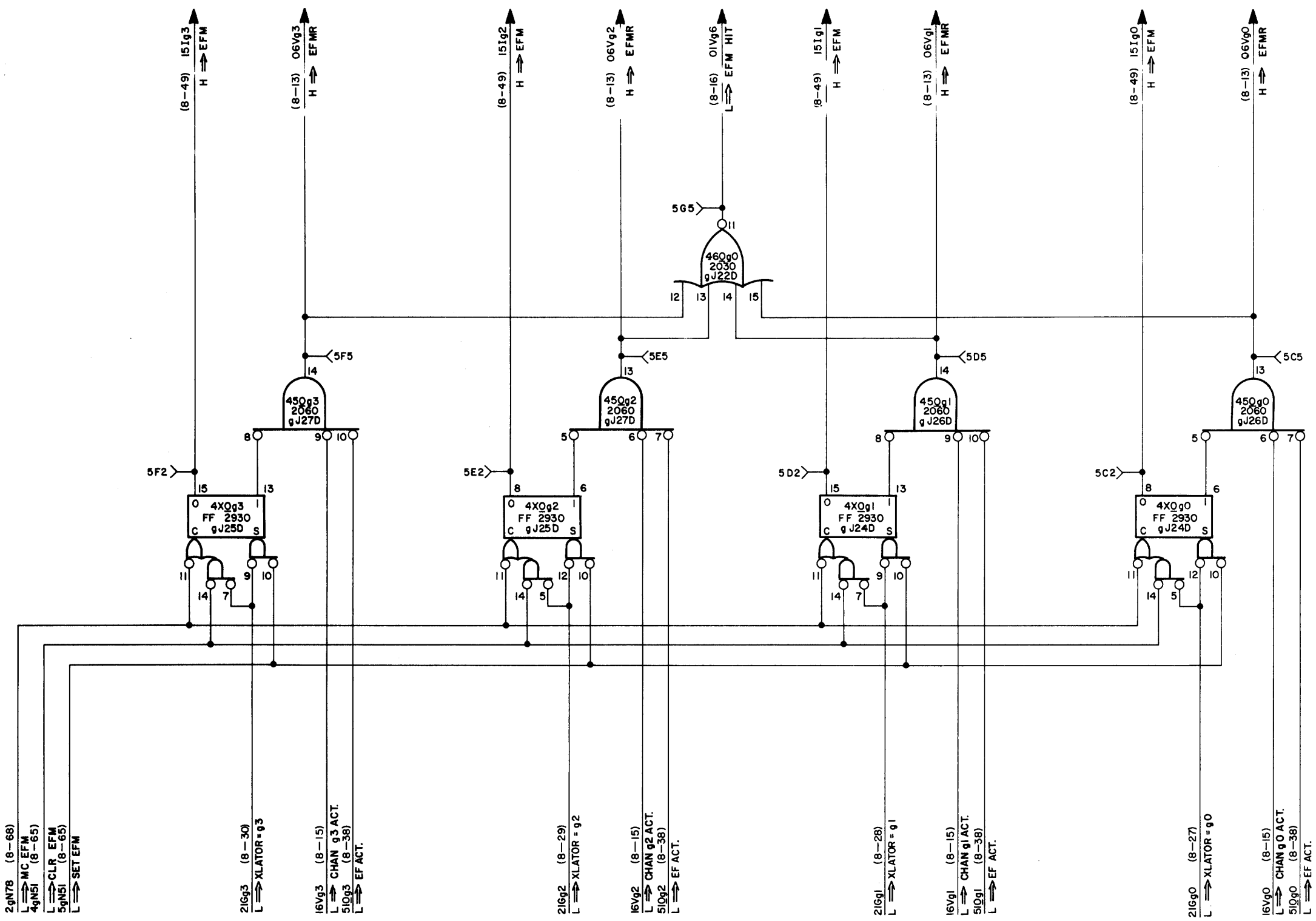


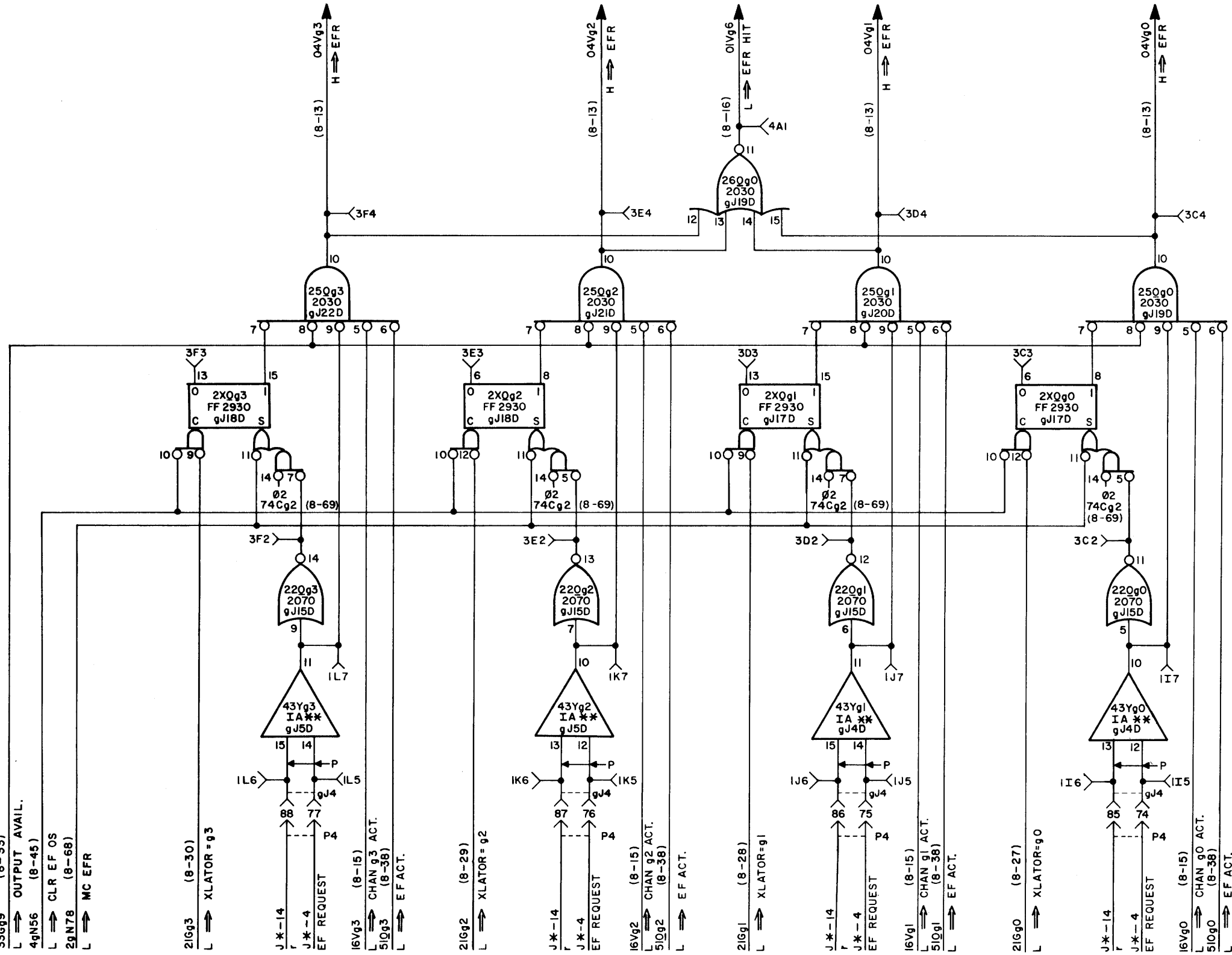
FIGURE 8-39

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL			

UNIVERSITY MICROFILMS SERIALS ACQUISITION 300 N ZEEB RD ANN ARBOR MI 48106	IDENT NO. 7032618-00 THE INFORMATION CONTAINED HEREIN IS UNCLASSIFIED DATE 08-14-2011 BY 60322 UCBAW/SJS/STP	DATE 3-1-65 CLASS A T-TITLE FUNCTIONAL SCHEMATIC, EF MONITOR CODE IDENT NO 90536 SIZE D DWG NO 7032618 SCALE WEIGHT SHEET 1 OF 1	DRAFTSMAN R. CALTON CHECKER B. POPOV ENGINEER R. OULICKY APPROVAL <i>R. Oulicky</i> 9-10-65
---	--	---	--

REVISIONS				CHK	DATE	APPROVED
SYM	ZONE	EIR	DESCRIPTION			
A		77399	SEE EIR		4-22-66	B.P.



33Gg9 (8-33) OUTPUT AVAIL.
 4gN56 (8-45) CLR EF OS
 2gN78 (8-68) MC EFR
 2IGg3 (8-30) XLATOR=g3
 J*-14 J*-4 EF REQUEST
 16Vg3 (8-15) CHAN g3 ACT.
 5IGg3 (8-38) EFACT.
 2IGg2 (8-29) XLATOR=g2
 J*-14 J*-4 EF REQUEST
 16Vg2 (8-15) CHAN g2 ACT.
 5IGg2 (8-38) EFACT.
 2IGg1 (8-28) XLATOR=g1
 J*-14 J*-4 EF REQUEST
 16Vg1 (8-15) CHAN g1 ACT.
 5IGg1 (8-38) EFACT.
 2IGg0 (8-27) XLATOR=g0
 J*-14 J*-4 EF REQUEST
 16Vg0 (8-15) CHAN g0 ACT.
 5IGg0 (8-38) EFACT.

* OUTPUT CHANNEL

CHANNEL	0	1	2	3	4	5	6	7	10	11	12	13	14	15	16	17
I/O JACK	29	30	31	32	33	34	35	36	23	24	25	26	12	13	14	15

** I A WILL BE A 2090 FOR SLOW INTERFACE OR A 2320 FOR FAST INTERFACE.

FIGURE 8-40

IDENT NO. 7032613-00

THIS DOCUMENT CONTAINS UNCLASSIFIED INFORMATION OF THE UNITED STATES OF AMERICA AND IS LOANED TO YOU BY THE NATIONAL ARCHIVES AND IS TO BE RETURNED TO THE NATIONAL ARCHIVES.

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL

LAYOUT	DATE	CLASS	UNIVAC	
DRAFTSMAN	224-65	A	DIVISION OF SUPPLY HAND CORPORATION	
CHECKER	B. POPOV		TITLE	
ENGINEER	R. OULICKY		FUNCTIONAL SCHEMATIC, EF REQ OS & GATES	
APPROVAL			CODE IDENT NO.	SIZE
			90536	D
			DWG NO.	7032613
			SCALE	WEIGHT
				SHEET 1 OF 1

REVISIONS				
NO.	DATE	DESCRIPTION	BY	APPROVED

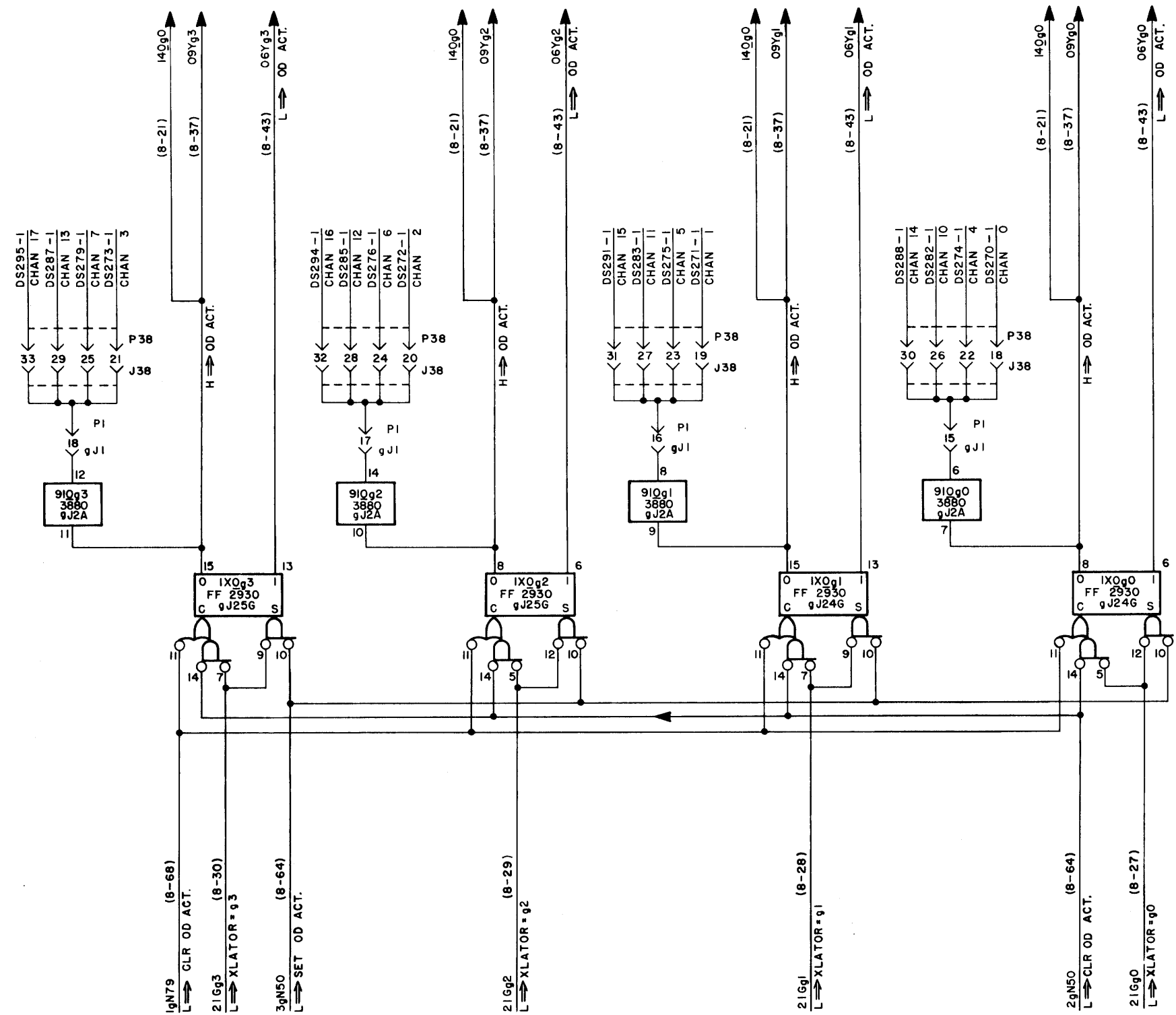


FIGURE 8-41

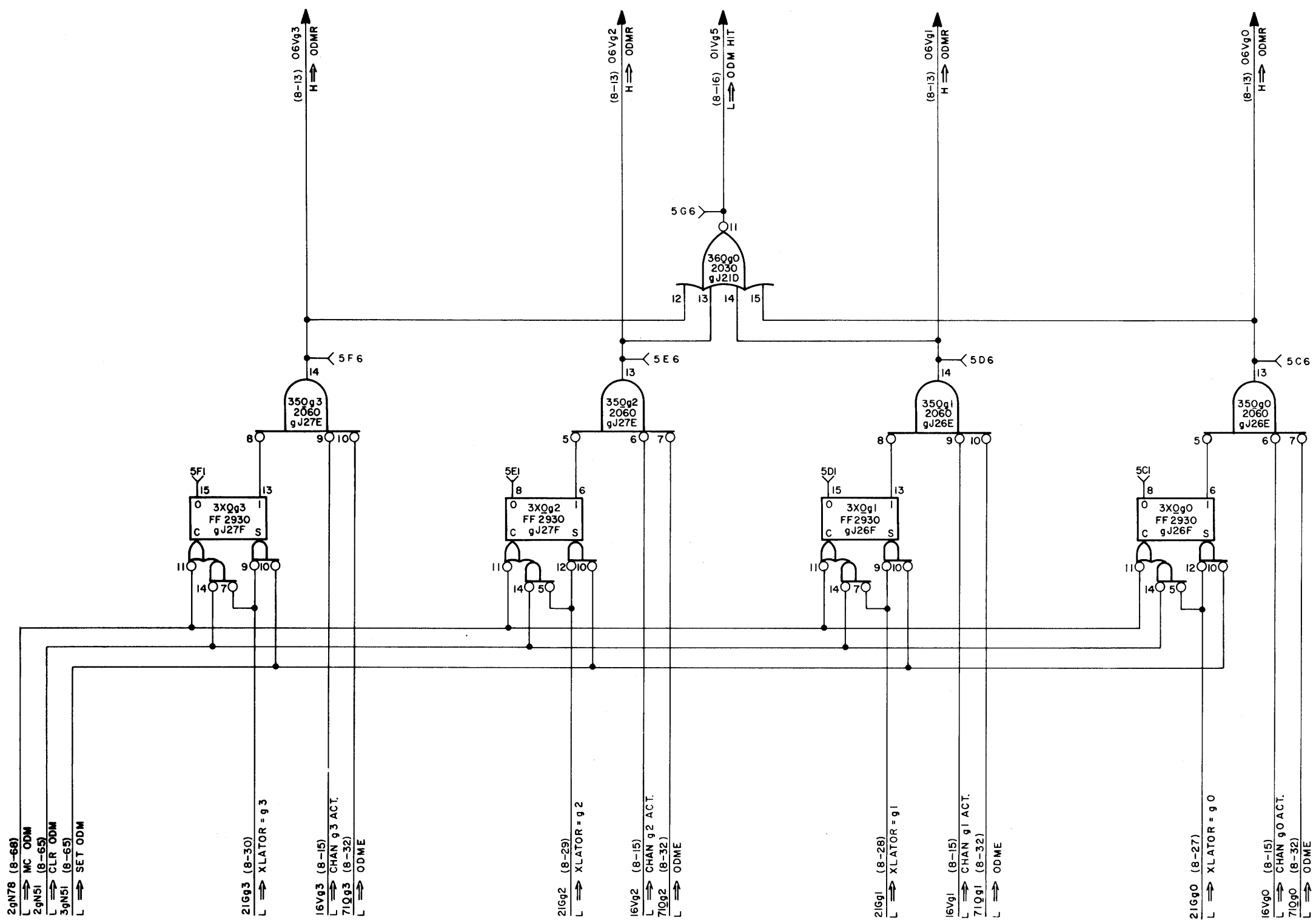
QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION	
REQD				IDENT	SIZE	IDENTIFYING NO.		
LIST OF MATERIAL								
				CLASS	UNIVAC			
				DATE	DIVISION OF SPERRY RAND CORPORATION			
				DRAFTSMAN	TITLE			
				ROLAN BITZER	FUNCTIONAL SCHEMATIC,			
				CHECKER	OD ACTIVE			
				B. POPOV	9-15-65			
				ENGINEER	9-15-65			
				R. OULICKY	9-15-65			
				APPROVAL	9-15-65			
				CODE IDENT NO.	SIZE	DWG NO.		
				90536	D	7032644		
				SCALE	WEIGHT	SHEET 1 OF 1		

IDENT NO. 7032644-00

THIS DOCUMENT CONTAINS UNCLASSIFIED INFORMATION AND IS INTENDED FOR UNCLASSIFIED INFORMATION AND IS DISTRIBUTED PURSUANT TO THE FOLLOWING POLICY STATEMENT:

ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION CONTAINED HEREIN ARE UNCLASSIFIED AND ARE INTENDED FOR UNCLASSIFIED INFORMATION AND IS DISTRIBUTED PURSUANT TO THE FOLLOWING POLICY STATEMENT:

UNLESS OTHERWISE SPECIFIED
DIMENSIONS IN INCHES, TOLERANCES UNLESS OTHERWISE SPECIFIED
FRACTIONS: 1/16, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8
DECIMALS: .005, .010, .015, .020, .030, .040, .050, .060, .070, .080, .090, .100
ANGLE: 30°, 45°, 60°, 90°, 120°, 150°, 180°
THREADS: PER ANSI B1.1, UNF CL 2B
MATERIAL
FINISH
APPLICATION
COMMUNITY USE



2gN78 (8-68)
L MC ODM
2gN51 (8-68)
L CLR ODM
3gN51 (8-65)
L SET ODM

21Gg3 (8-30)
L XLATOR = g 3
16Vg3 (8-15)
L CHAN g 3 ACT.
71Qg3 (8-32)
L ODM E

21Gg2 (8-29)
L XLATOR = g 2
16Vg2 (8-15)
L CHAN g 2 ACT.
71Qg2 (8-32)
L ODM E

21Gg1 (8-28)
L XLATOR = g 1
16Vg1 (8-15)
L CHAN g 1 ACT.
71Qg1 (8-32)
L ODM E

21Gg0 (8-27)
L XLATOR = g 0
16Vg0 (8-15)
L CHAN g 0 ACT.
71Qg0 (8-32)
L ODM E

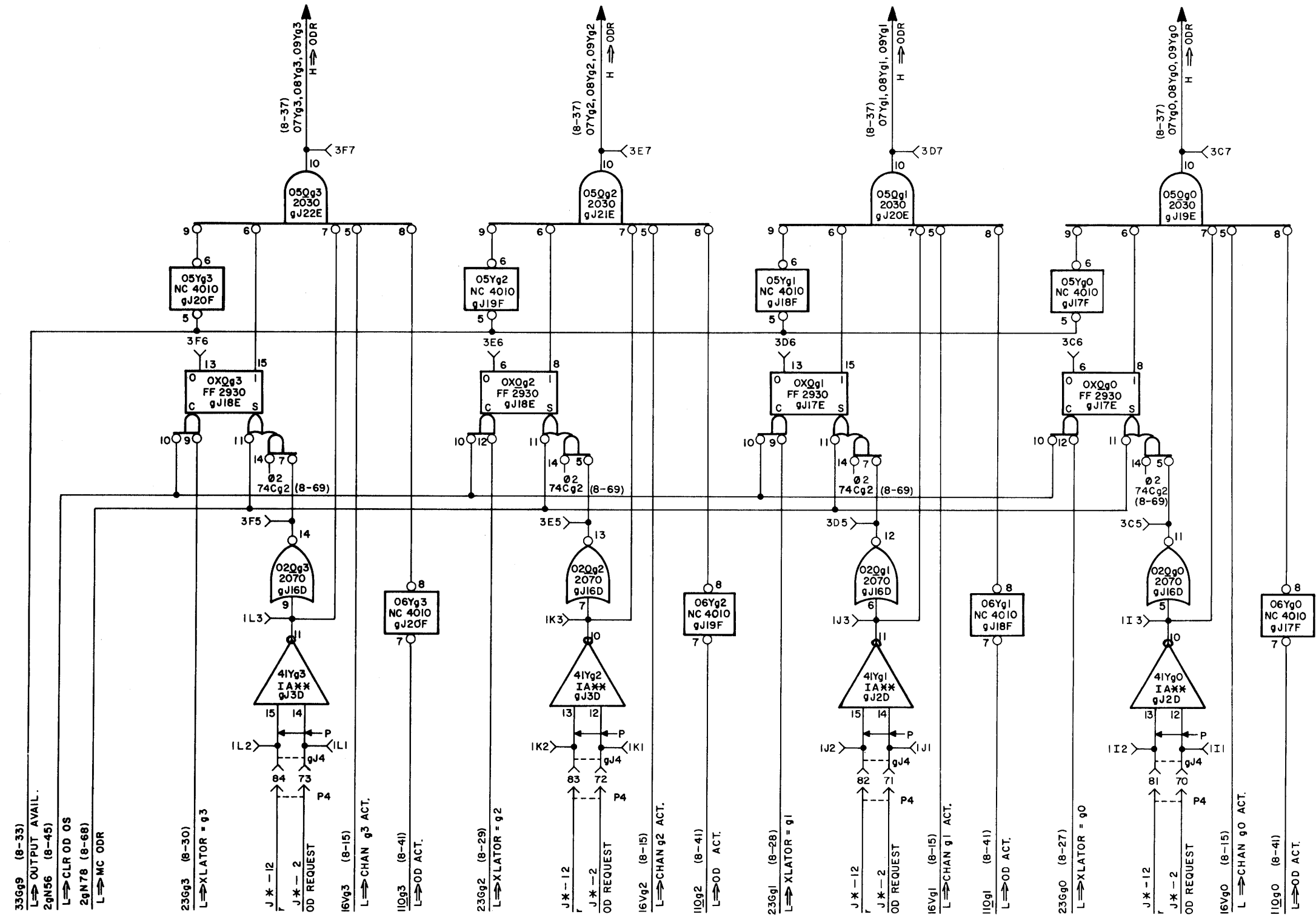
FIGURE 8-42

IDENT NO. 7032617-00

APPROVED	DATE	CLASS
R. CALTON	2-27-65	A
B. POPOV	9-16-61	
R. OULICLY	9-15-61	
APPROVED BY		

QTY	UNIT	REF. DES.	UNIT	QTY	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
						UNIVAC
FUNCTIONAL SCHEMATIC, ODM MONITOR						
FORM IDENT NO.	SIZE	DWG NO.				
90536	D	7032617				
SCALE	WEIGHT	SHEET		OF 1		

REVISIONS				
NO	DATE	DESCRIPTION	BY	APP'D



* OUTPUT CHANNEL	0	1	2	3	4	5	6	7	10	11	12	13	14	15	16	17
I/O JACK	29	30	31	32	33	34	35	36	23	24	25	26	12	13	14	15

** IA WILL BE A 2090 FOR SLOW INTERFACE OR A 2320 FOR FAST INTERFACE.

FIGURE 8-43

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL	

UNLESS OTHERWISE SPECIFIED: DIMENSIONS IN INCHES, TOLERANCE ON FRACTIONS: 1/16" ± 0.005, 1/32" ± 0.002, 1/8" ± 0.003, 1/4" ± 0.004, 3/8" ± 0.005, 1/2" ± 0.006, 5/8" ± 0.007, 3/4" ± 0.008, 7/8" ± 0.009, 1" ± 0.010 HOLE DIAMETER TOLERANCE: Ø THRU .250 ± .005, .251 THRU .500 ± .010, .501 THRU 1.000 ± .015, 1.001 THRU 2.000 ± .020, 2.001 THRU 5.000 ± .030, 5.001 THRU 10.000 ± .040, 10.001 THRU 30.000 ± .050, 30.001 THRU 100.000 ± .075, 100.001 THRU 300.000 ± .0015, 300.001 THRU 1000.000 ± .0020 FINISH: UNLESS OTHERWISE SPECIFIED, ALL SURFACES SHALL BE FINISHED BY THE MANUFACTURER TO THE FOLLOWING STANDARDS: MATERIAL: UNLESS OTHERWISE SPECIFIED, ALL MATERIALS SHALL BE AS SUPPLIED BY THE MANUFACTURER. FINISH: UNLESS OTHERWISE SPECIFIED, ALL SURFACES SHALL BE FINISHED BY THE MANUFACTURER TO THE FOLLOWING STANDARDS: APPLICATION: UNLESS OTHERWISE SPECIFIED, ALL APPLICATIONS SHALL BE AS SUPPLIED BY THE MANUFACTURER. COMPLETION DATE: UNLESS OTHERWISE SPECIFIED, ALL COMPLETION DATES SHALL BE AS SUPPLIED BY THE MANUFACTURER.		
LAYOUT	DATE	CLASS
DRAFTSMAN	2-26-65	A
CHECKER		
ENGINEER		
APPROVAL		
TITLE		
FUNCTIONAL SCHEMATIC, OD REQ OS & GATES		
CODE IDENT NO.	SIZE	DWG NO.
90536	D	7032623
SCALE	WEIGHT	SHEET 1 OF 1

IDENT NO. 7032623-00

THIS DOCUMENT CONTAINS UNCLASSIFIED INFORMATION EXCEPT WHERE SHOWN OTHERWISE. IT IS THE PROPERTY OF SPERRY RAND CORPORATION AND IS LOANED TO YOU BY THE FOLLOWING INSTRUMENT NO. 7032623-00. IT IS TO BE RETURNED TO THE OFFICE OF ORIGINATOR UPON COMPLETION OF YOUR WORK. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING BY THE OFFICE OF ORIGINATOR.

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVAL
A	E1	3313	13-17K2 INSTRUCTION CORRECTION		

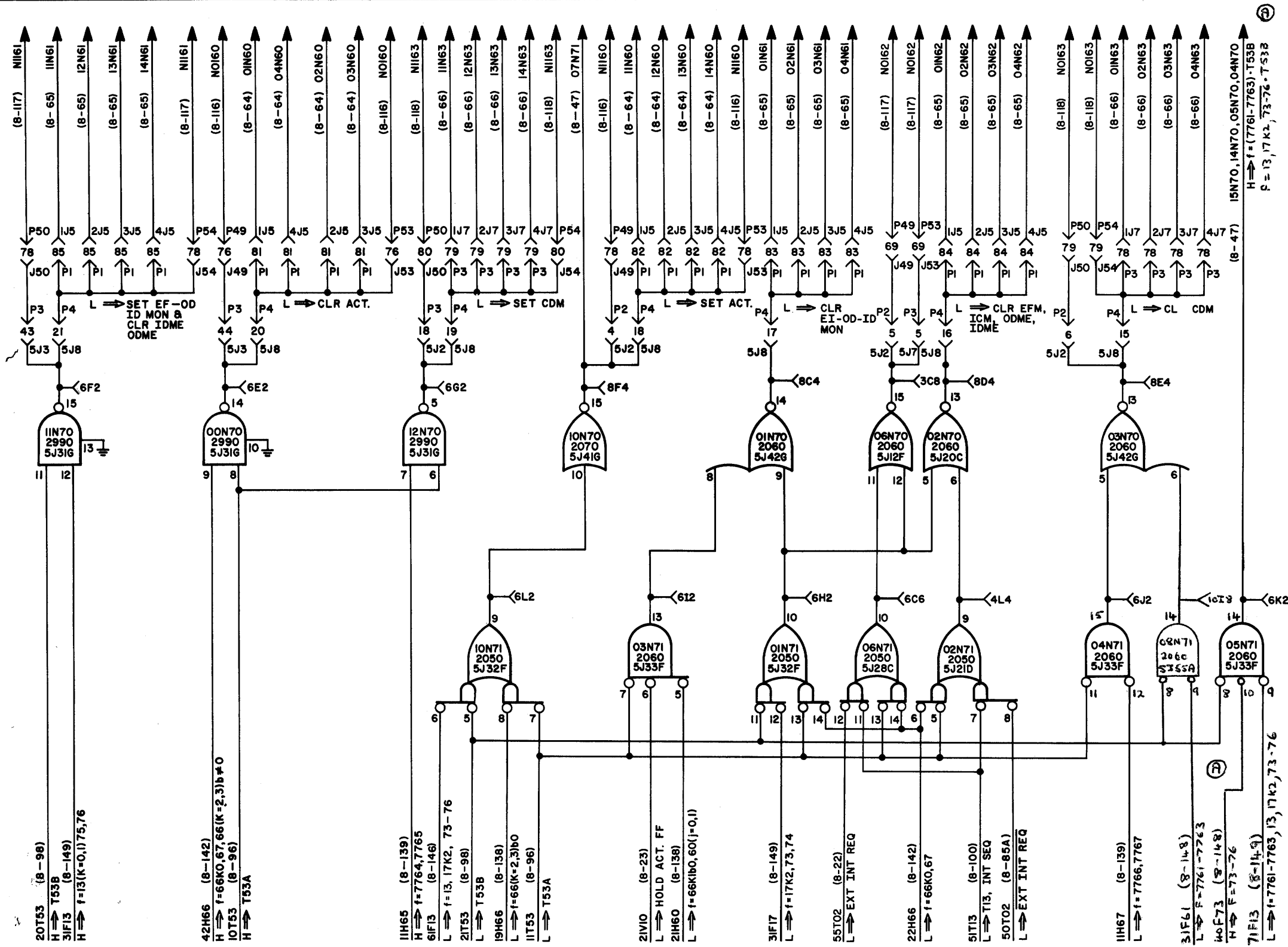


FIGURE 8-44

IDENT NO. 7075160 - 00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENTS:

ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DISCLOSED IN ANY MANNER EXCEPT FOR THE PURPOSES OF QUALITY CONTROL OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNLESS OTHERWISE SPECIFIED			LAYOUT			
DIMENSION IN INCHES, TOLERANCE OF 2 PLACE DECIMALS			DATE			
HOLE DIAMETER TOLERANCE			CLASS			
0 THRU .250 ±.003			A			
.250 THRU .500 ±.005			DRAFTSMAN			
.500 THRU 1.000 ±.008			R. PHERNETTON			
1.000 THRU 2.000 ±.010			CHECKER			
2.000 THRU 5.000 ±.015			B. POPOV			
5.000 THRU 10.000 ±.020			ENGINEER			
10.000 THRU 25.000 ±.030			J. LAMBING			
25.000 THRU 50.000 ±.040			APPROVAL			
50.000 THRU 100.000 ±.050			R. Phernetton			
100.000 THRU 250.000 ±.060			DATE			
250.000 THRU 500.000 ±.080			12-15-66			
500.000 THRU 1000.000 ±.010			TITLE			
1000.000 THRU 2500.000 ±.015			FUNCTIONAL SCHEMATIC, ACT, MON, AND CDM CONTROL			
2500.000 THRU 5000.000 ±.020			CODE IDENT NO.			
5000.000 THRU 10000.000 ±.030			90536			
10000.000 THRU 25000.000 ±.040			SIZE			
25000.000 THRU 50000.000 ±.050			D			
50000.000 THRU 100000.000 ±.060			DWG NO.			
100000.000 THRU 250000.000 ±.080			7075160			
250000.000 THRU 500000.000 ±.010			SHEET			
500000.000 THRU 1000000.000 ±.015			OF			

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		77398	SEE EIR		4-27-66	BSP
B	E12781		OD 1-SHOT CLR ON IC CHAN ATEF			
C	4088		INTERCOMPUTER TERMINATION			

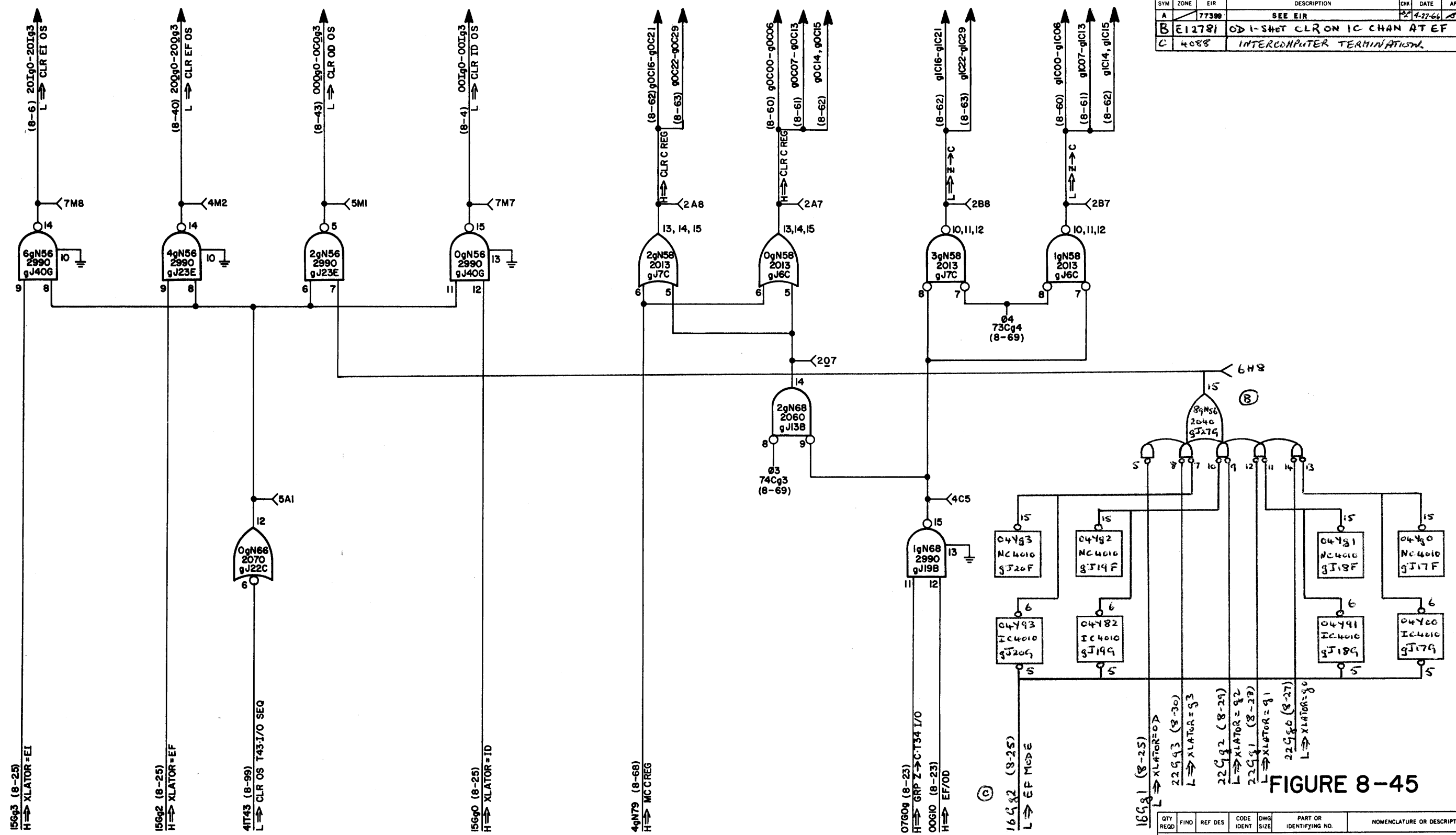


FIGURE 8-45

IDENT NO. 7032658-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREIN MAY NOT BE REPRODUCED, COPIED, MANIPULATED, EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

QTY	REQD	FIND	REF	DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL								
UNLESS OTHERWISE SPECIFIED							LAYOUT	
DIMENSION IN INCHES. TOLERANCE ON							DATE	
FRACTIONS							CLASS	
DECIMALS							A	
ANGLES							TITLE	
HOLE DIAMETER TOLERANCE							UNIVAC	
0 THRU .250							DIVISION OF SPERRY RAND CORPORATION	
.251 THRU .500							FUNCTIONAL SCHEMATIC,	
.501 & LARGER							OS & C REGISTER CONTROL	
+ .003							CODE IDENT NO.	
- .002							SIZE	
- .005							D	
THREADS: EXT. CL. 2A, INT. CL. 2B							DWG NO.	
MATERIAL							90536	
APPLICATION							7032658	
COMMODITY CODE							SCALE	
FINISH							WEIGHT	
							SHEET 1 OF 1	

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVAL
A	E13357		66K2 B(C,1) AND TIME OUT INTERRUPT CORR		
B	E13375		SPART 442B EMU INTERFACE MOD		
C	0501		H642B TEST POINT CORRECTION		

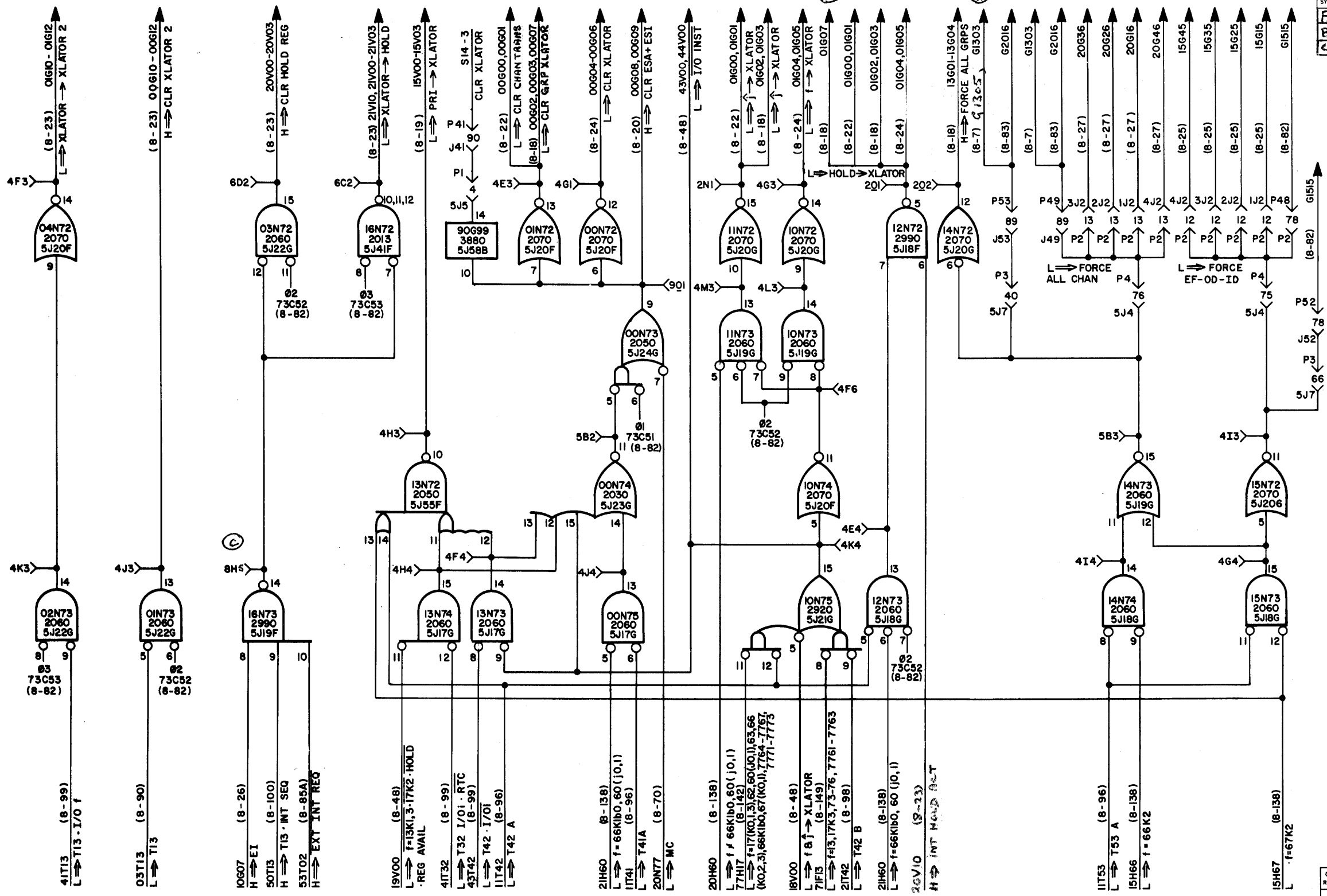


FIGURE 8-46

IDENT NO. 7075161-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:
 ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DEALT WITH IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

QTY	FIND	REF DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
READ			IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL						
		UNLESS OTHERWISE SPECIFIED		LAYOUT		
		DIMENSION IN INCHES. TOLERANCE ON		DATE		
		2 PLACE DECIMALS ±		CLASS		
		3 PLACE DECIMALS ±		A		
		ANGLES ±		DRAFTSMAN		
		HOLE DIAMETER TOLERANCE		M. L. SHULSTAD		
		0 THRU .250 ± .003		12-12-66		
		.251 THRU .500 ± .004		TITLE		
		.501 & LARGER ± .010		FUNCTIONAL SCHEMATIC,		
		THREADS: EXT. CL. 2A, INT. CL. 2B		f AND ↑ TRANSLATOR CONTROL I		
		MATERIAL		CHECKER		
		FINISH		B. POPOV		
		NEXT ASSY		ENGINEER		
		EQUIPMENT		J. LAMBING		
		APPLICATION		APPROVAL		
		COMMODITY CODE		3-31-67		
		FINISH		CODE IDENT NO.		
		FINISH		90536		
		FINISH		SIZE		
		FINISH		D		
		FINISH		DWG NO.		
		FINISH		7075161		
		FINISH		SCALE		
		FINISH		WEIGHT		
		FINISH		SHEET		
		FINISH		OF 1		

REVISIONS				
SYM	QTY	EIR	DESCRIPTION	CHK
A	71685	SEE EIR		
B	E13313	13 AND 17K2 INSTRUCTION CORRECTION		
C	E13396	COMPUTER I/O MOD		

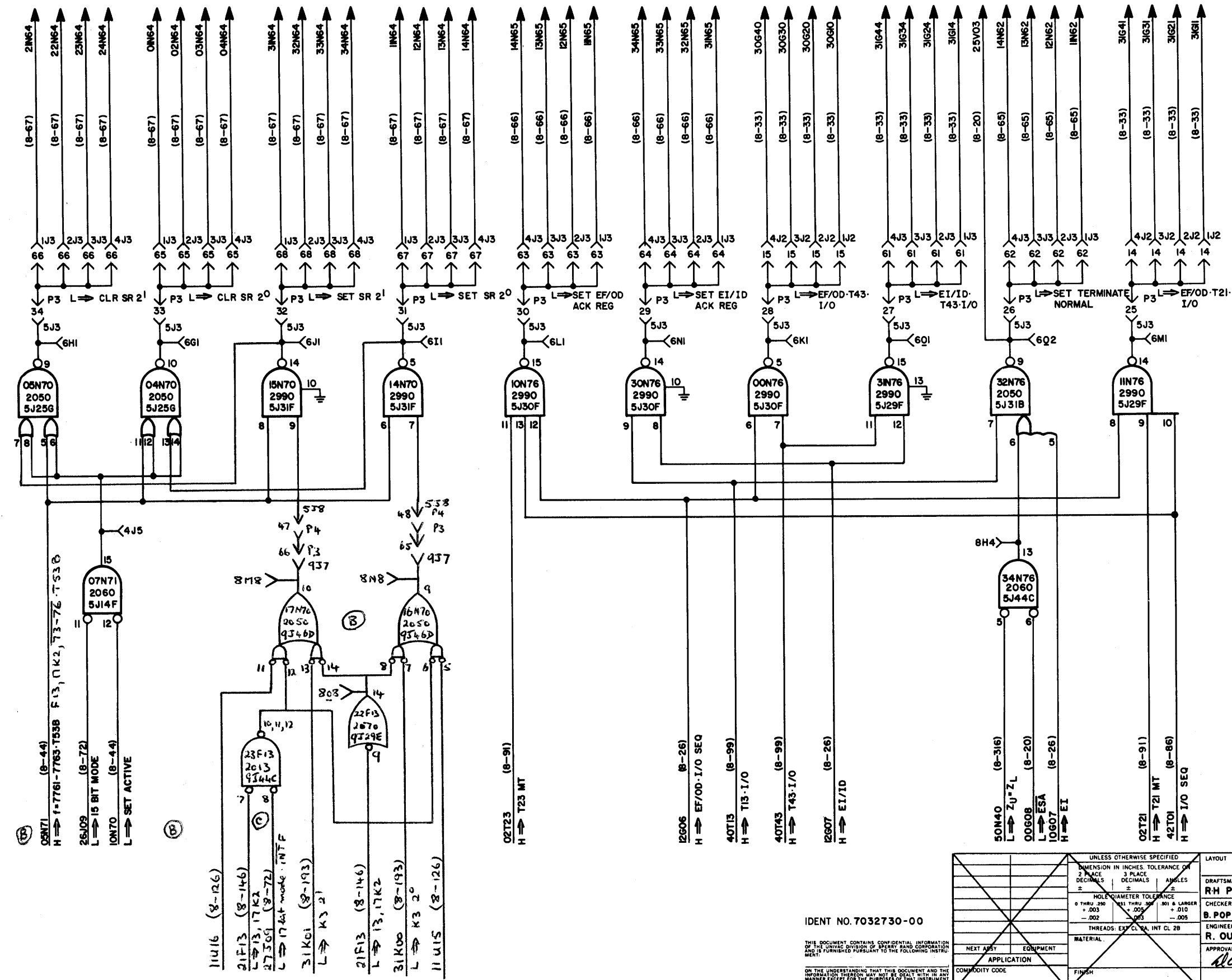


FIGURE 8-47

IDENT NO. 7032730-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DEALT WITH IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNLESS OTHERWISE SPECIFIED			LAYOUT			
DIMENSION IN INCHES TOLERANCE OF			DATE			
2 PLACE DECIMALS			CLASS			
3 PLACE DECIMALS			A			
ANGLES			DRAFTSMAN			
HOLE DIAMETER TOLERANCE			R.H. PHERNETTON			
0 THRU .250			CHECKER			
+.003			B. POPOV			
-.002			ENGINEER			
.251 THRU .500			R. OULICKY			
.501 & LARGER			APPROVAL			
THREADS: EX. CL. RA, INT. CL. 2B			SCALE			
MATERIAL			FINISH			
NEXT ASSY			EQUIPMENT			
APPLICATION			COMMODITY CODE			

FUNCTIONAL SCHEMATIC,
AND TRANSLATOR CONTROL 2

90536 D 7032730

SYM	ZONE	EXT	DESCRIP	DATE	APPROVED
A		10747	SEE EIR	5/1/67	RJC
B	3215		EMU CHANNEL PRIORITY CHANGE		
C	3508		COMPUTER TIMING CORRECTION		
D	3557A		CAP ILC TIO Interrupt Correction		

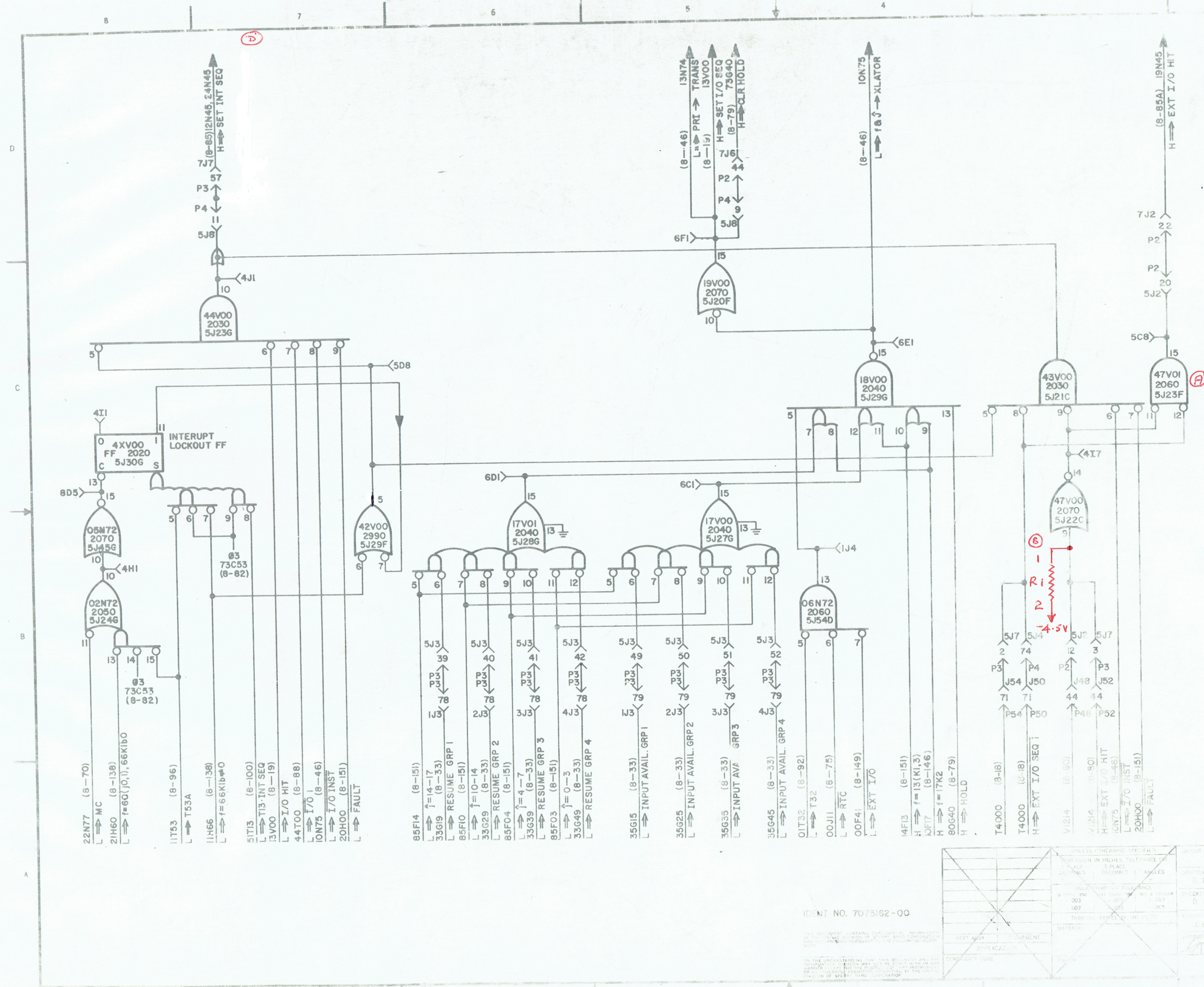


FIGURE 8-48

IDENT NO. 7075162-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION AND IS UNCLASSIFIED ONLY BY THE FOLLOWING PROCEDURE: 1. IDENTIFY THE INFORMATION TO BE DECLASSIFIED. 2. APPLY THE APPROPRIATE DECLASSIFICATION AUTHORITY. 3. REVIEW THE INFORMATION TO BE DECLASSIFIED TO DETERMINE IF IT IS EXEMPT FROM DECLASSIFICATION. 4. APPROVE THE DECLASSIFICATION. 5. RECORD THE DECLASSIFICATION DATE AND AUTHORITY. 6. REVIEW THE INFORMATION TO BE DECLASSIFIED TO DETERMINE IF IT IS EXEMPT FROM DECLASSIFICATION. 7. APPROVE THE DECLASSIFICATION. 8. RECORD THE DECLASSIFICATION DATE AND AUTHORITY.

UNLESS OTHERWISE SPECIFIED	UNLESS OTHERWISE SPECIFIED
DIMENSIONS IN INCHES, TOLERANCES IN PARENS	UNLESS OTHERWISE SPECIFIED
ANGLES	UNLESS OTHERWISE SPECIFIED
FINISHES	UNLESS OTHERWISE SPECIFIED
WELDING	UNLESS OTHERWISE SPECIFIED
WATERPROOFING	UNLESS OTHERWISE SPECIFIED
PAINTS	UNLESS OTHERWISE SPECIFIED
COATINGS	UNLESS OTHERWISE SPECIFIED
PLATING	UNLESS OTHERWISE SPECIFIED
TEXT AND DIMENSIONS	UNLESS OTHERWISE SPECIFIED
APPLICATION	UNLESS OTHERWISE SPECIFIED
COMPLIANCE CODE	UNLESS OTHERWISE SPECIFIED

REV	IND	REF DES	CODE	DRG	PART OR IDENTIFYING NO	QUANTITY	DESCRIPTION

DATE	CLASS	TITLE
12-7-66	A	FUNCTIONAL SCHEMATIC, EI LOCK-OUT & FORCE LOGIC

REV	IND	REF DES	CODE	DRG	PART OR IDENTIFYING NO	QUANTITY	DESCRIPTION

DRAWING NO. 7075162

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVED

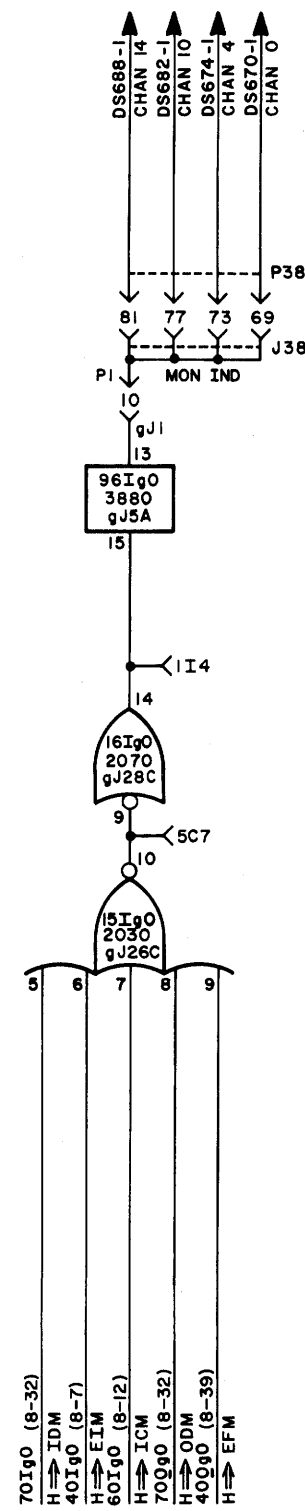
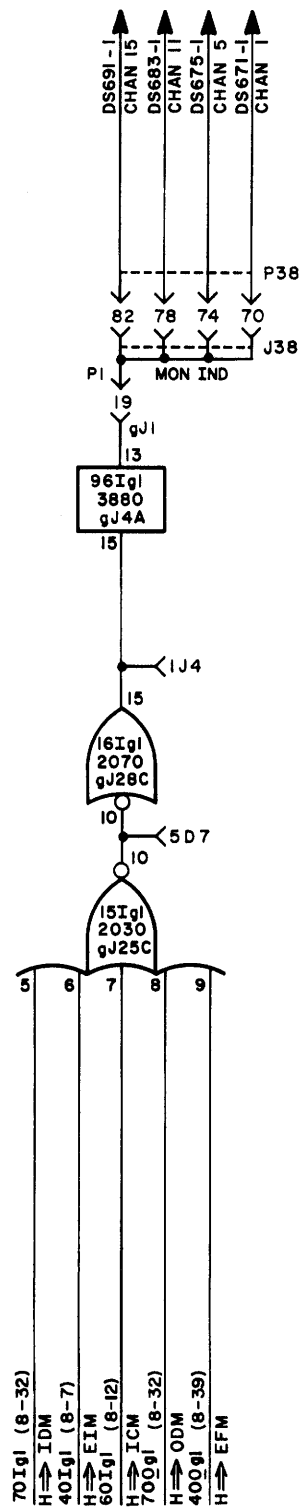
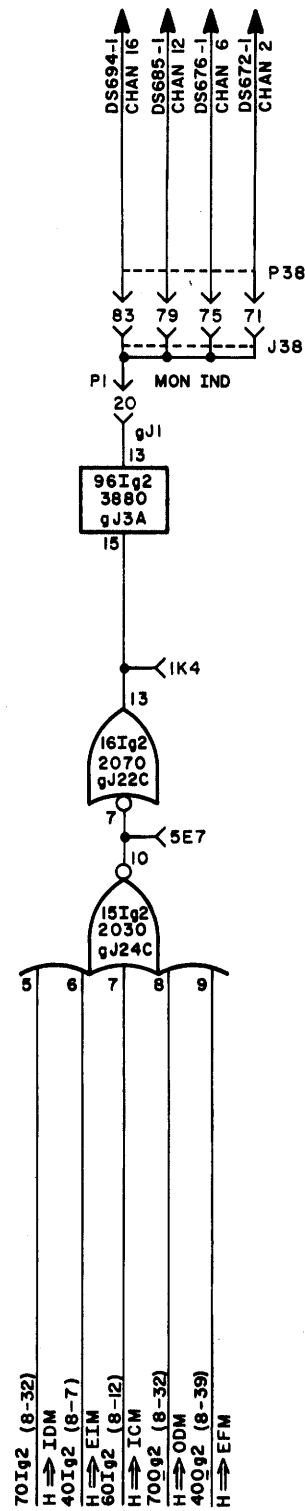
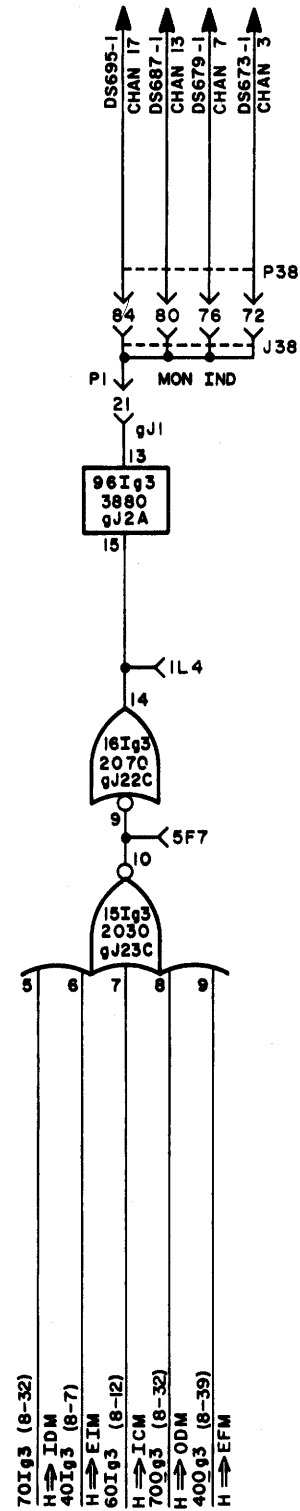


FIGURE 8-49

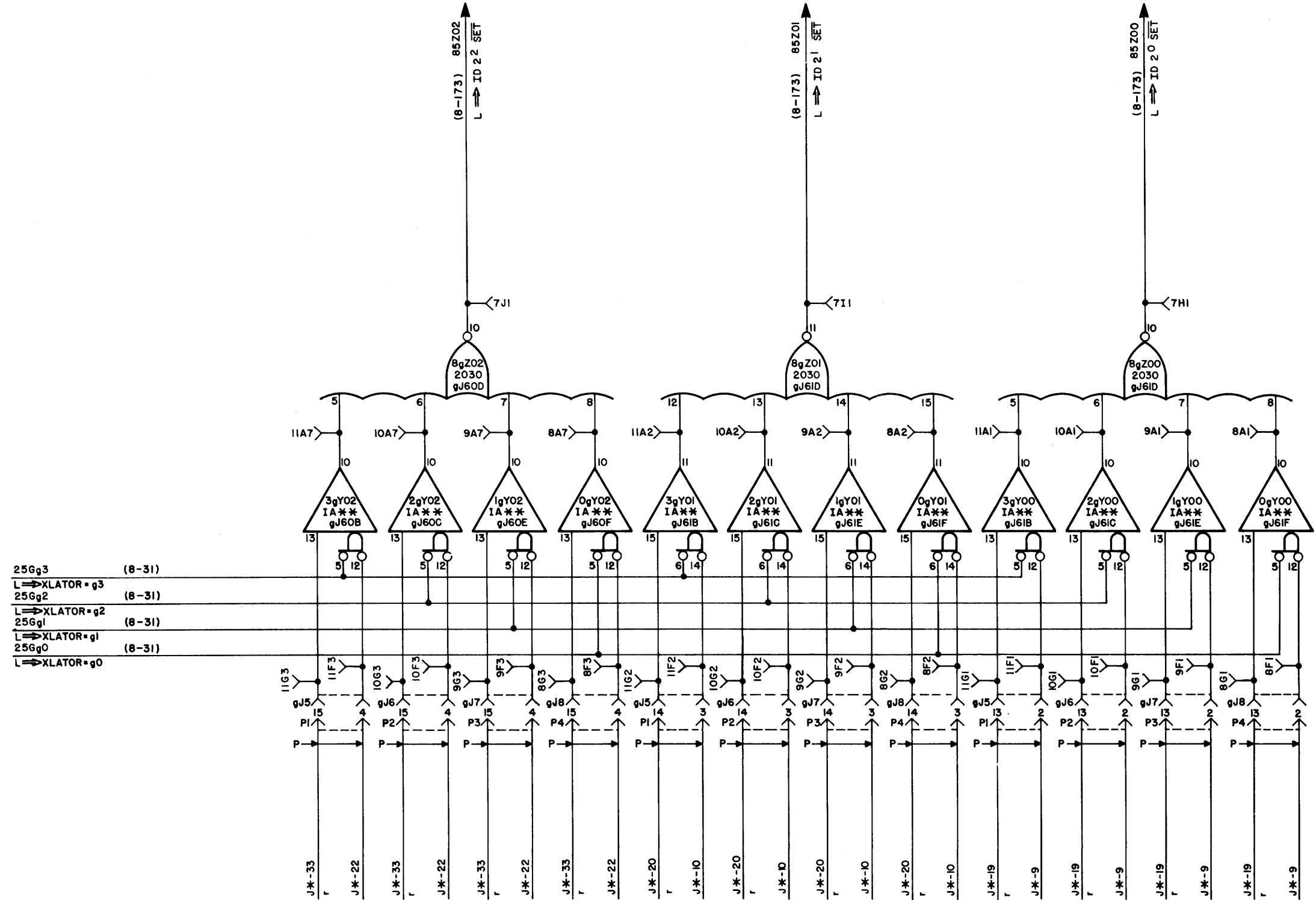
IDENT NO. 7032642-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:
 ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY MANNER OR BY ANY MEANS, OR IN ANY MANNER OR BY ANY MEANS, WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

UNLESS OTHERWISE SPECIFIED:	
DIMENSION IN INCHES	TOLERANCE
2 PLACE DECIMALS	± .005
1 PLACE DECIMALS	± .010
ANGLES	± .005
HOLE DIAMETER TOLERANCE	
Ø THRU .250	± .005
.251 THRU .500	± .005
.501 & LARGER	± .010
THREADS: EXCEPT AS NOTED BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION, INT CL 2B	
MATERIAL	FINISH
APPLICATION	
COMMODITY CODE:	

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
			LAYOUT	DATE	CLASS	UNIVAC DIVISION OF SPERRY RAND CORPORATION
			DRAFTSMAN V. STEEBER	3-10-65	A	
			CHECKER B. POPOV	9-15-65	TITLE FUNCTIONAL SCHEMATIC, MONITOR IND	
			ENGINEER R. OULICKY	9-15-65	CODE IDENT NO. 90536	
			APPROVAL <i>[Signature]</i>	9-15-65	SIZE D	DWG NO. 7032642
					SCALE	SHEET 1 OF 1

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		71686	SEE EIR		8/15/65	[Signature]



25Gg3 (8-31)
 L → XLATOR = g3
 25Gg2 (8-31)
 L → XLATOR = g2
 25Gg1 (8-31)
 L → XLATOR = g1
 25Gg0 (8-31)
 L → XLATOR = g0

FIGURE 8-50

* INPUT CHANNEL	0	1	2	3	4	5	6	7	10	11	12	13	14	15	16	17
I/O JACK	27	16	4	5	28	17	6	7	18	19	8	9	20	21	10	11

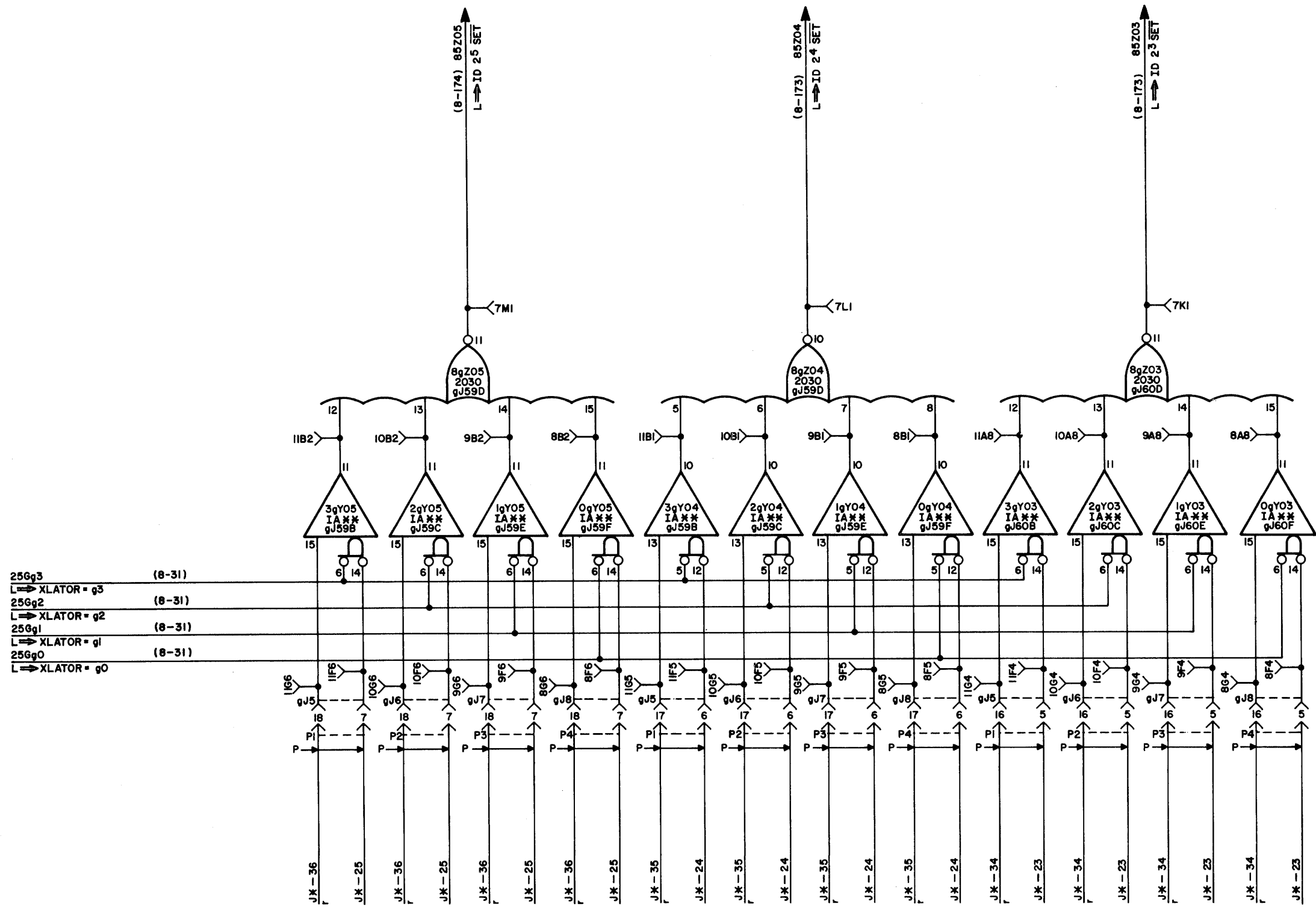
** IA WILL BE A 2090 FOR SLOW INTERFACE OR A 2320 FOR FAST INTERFACE.

IDENT NO. 7032602-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:
 ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE REPRODUCED, COPIED, OR OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION

UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE		CLASS	
DIMENSION IN INCHES TOLERANCE ON		3 PLACE DECIMALS		3-16-65		A	
HOLE DIAMETER TOLERANCE		± .003		DRAFTSMAN		ROLAN BITZER	
THREADS: EXT. CL. 2A, INT. CL. 2B		CHECKER		ENGINEER		ENGINEER	
MATERIAL		APPROVAL		TITLE		FUNCTIONAL SCHEMATIC, INPUT DATA AMPS STAGES 00-02	
FINISH		[Signature]		CODE IDENT NO.		90536	
COMMODITY CODE		[Signature]		SIZE		D	
		[Signature]		DWG NO.		7032602	
		[Signature]		SCALE		WEIGHT	
		[Signature]		SHEET		1 OF 1	

REVISIONS				CHK	DATE	APPROVED
SYM	ZONE	EIR	DESCRIPTION			
A		71686	SEE EIR			<i>ee/ep/ast</i>



25Gg3 (8-31)
 L → XLATOR = g3
 25Gg2 (8-31)
 L → XLATOR = g2
 25Gg1 (8-31)
 L → XLATOR = g1
 25Gg0 (8-31)
 L → XLATOR = g0

FIGURE 8-51

INPUT CHANNEL	0	1	2	3	4	5	6	7	10	11	12	13	14	15	16	17
I/O JACK	27	16	4	5	28	17	6	7	18	19	8	9	20	21	10	11

*** IA WILL BE A 2090 FOR SLOW INTERFACE OR A 2320 FOR FAST INTERFACE.

IDENT NO. 7032603-00

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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES, TOLERANCE OR 2 PLACE DECIMALS	± .005
ANGLES	± .010
HOLE DIAMETER TOLERANCE	± .005
0 THRU .250	± .005
.251 THRU .500	± .005
.501 & LARGER	± .010
THREADS: EXT. CL. INT. CL. 2B	
MATERIAL	
FINISH	

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
LAYOUT			DATE	CLASS	UNIVAC	
DRAFTSMAN R. CALTON			3-16-65	A	DIVISION OF SPERRY RAND CORPORATION	
CHECKER B. POPOV			9-15-65	TITLE FUNCTIONAL SCHEMATIC, INPUT DATA AMPS STAGES 03-05		
ENGINEER R. OULICKY			9-15-65	CODE IDENT NO. SIZE DWG NO.		
APPROVAL <i>R. Oulicky</i>			9-15-65	90536	D	7032603
COMMODITY CODE			SCALE	WEIGHT	SHEET 1 OF 1	

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		71686	SEE EIR			<i>[Signature]</i>

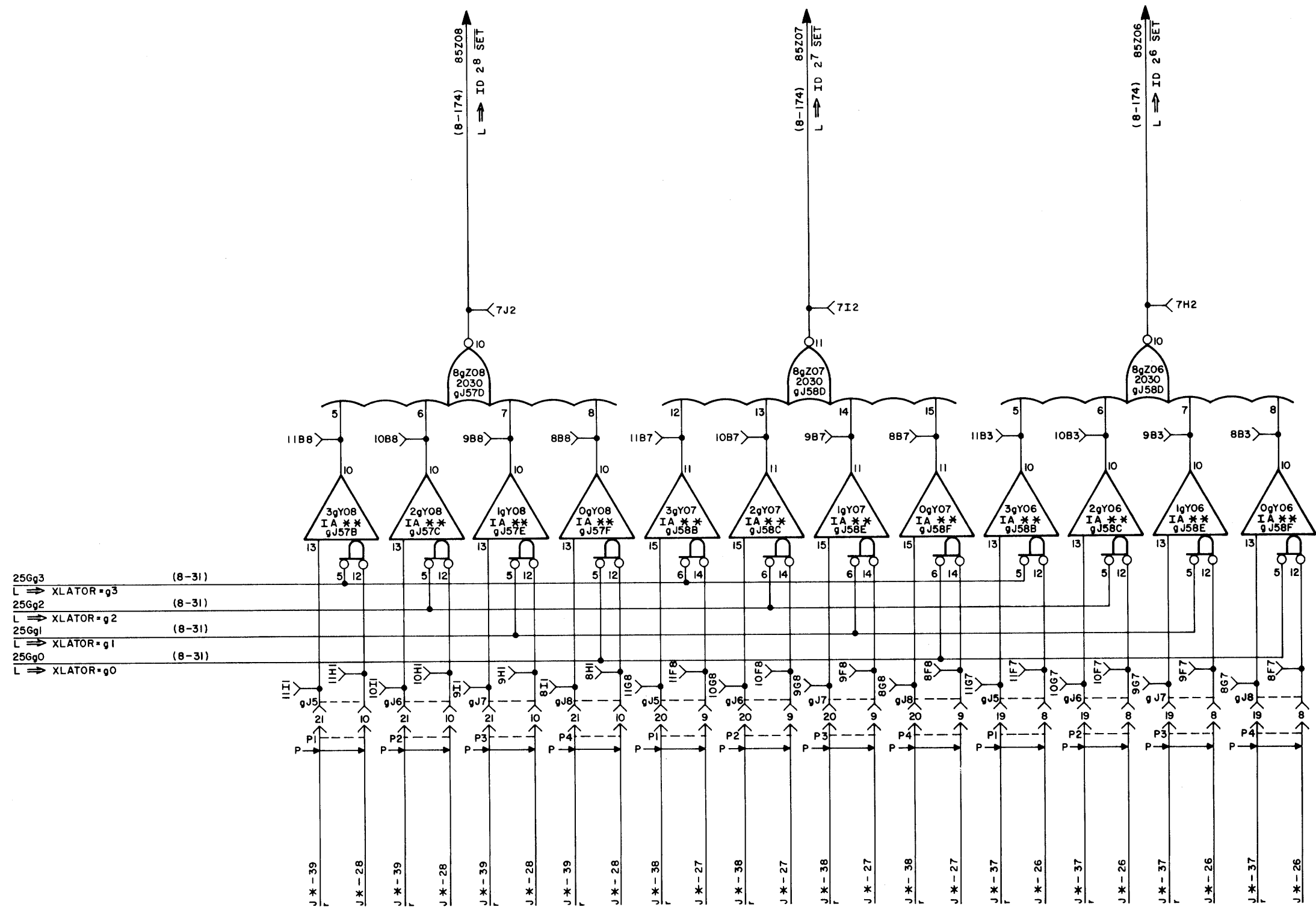


FIGURE 8-52

25Gg3 (8-31)
 L → XLATOR=g3
 25Gg2 (8-31)
 L → XLATOR=g2
 25Gg1 (8-31)
 L → XLATOR=g1
 25Gg0 (8-31)
 L → XLATOR=g0

* INPUT CHANNEL	0	1	2	3	4	5	6	7	10	11	12	13	14	15	16	17
I/O JACK	27	16	4	5	28	17	6	7	18	19	8	9	20	21	10	11

** IA WILL BE A 2090 FOR SLOW INTERFACE OR A 2320 FOR FAST INTERFACE.

IDENT NO. 7032604-00

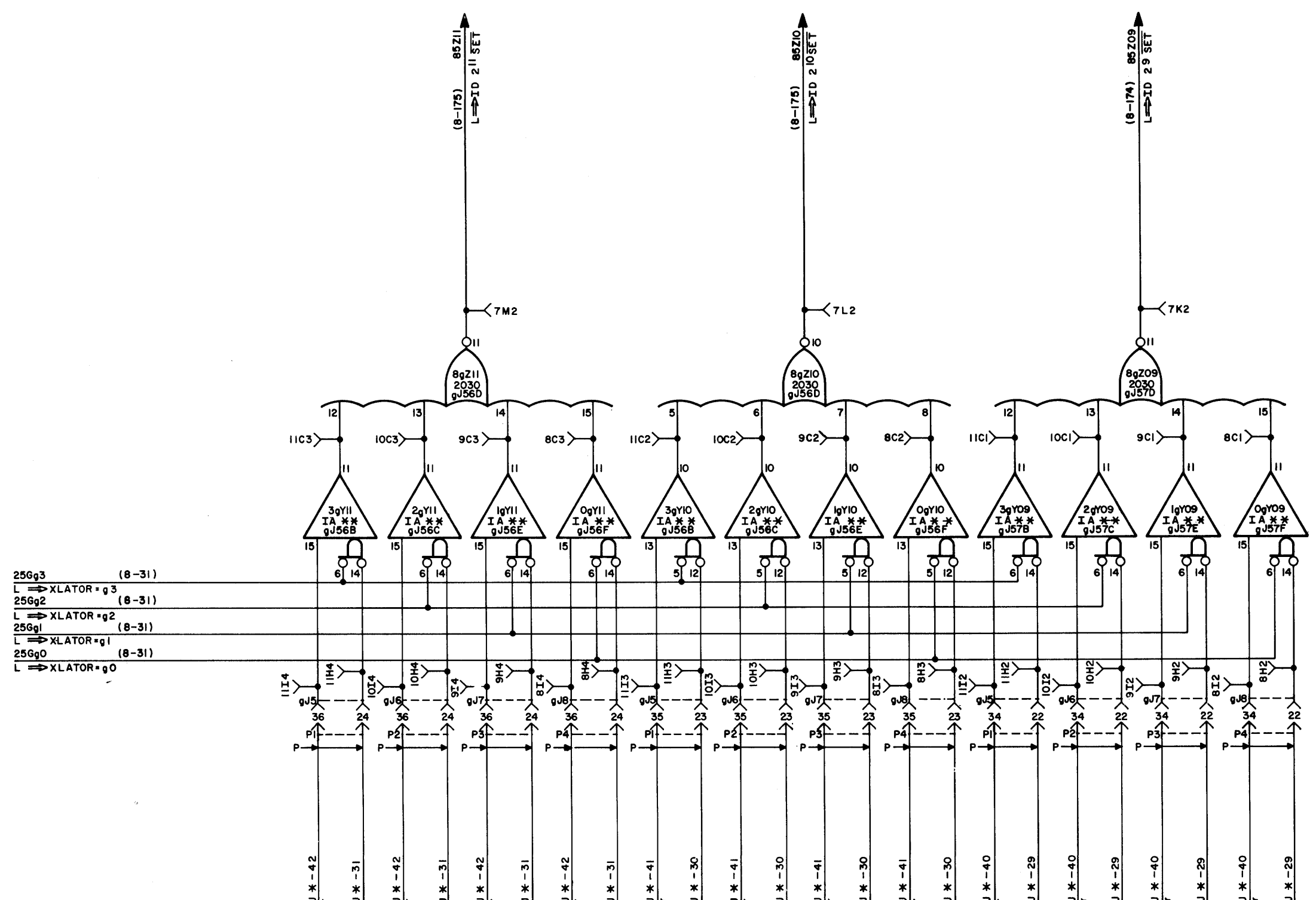
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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES TOLERANCE ON 2 PLACE DECIMALS	3 PLACE DECIMALS
ANGLES	
HOLE DIAMETER TOLERANCE	
0 THRU .250	.251 THRU .500
+ .003	+ .005
-.002	-.003
THREADS EXCEPT DIA. INT CL 2B	
MATERIAL	
FINISH	

LAYOUT	DATE	CLASS	UNIVAC	
DRAFTSMAN	3-17-65	A	DIVISION OF SPERRY RAND CORPORATION	
R. CALTON			TITLE	
CHECKER	B. POPOV		FUNCTIONAL SCHEMATIC, INPUT DATA AMPS STAGES 06-08	
ENGINEER	R. OULICKY		CODE IDENT NO.	
APPROVAL	<i>[Signature]</i>		90536	D
COMMODITY CODE			7032604	
			SCALE	WEIGHT
				SHEET 1 of 1

REVISIONS				CHK	DATE	APPROVED
SYM	ZONE	EIR	DESCRIPTION			
A		71686	SEE EIR			<i>[Signature]</i>



25Gg3 (8-31)
 L → XLATOR = g3
 25Gg2 (8-31)
 L → XLATOR = g2
 25Gg1 (8-31)
 L → XLATOR = g1
 25Gg0 (8-31)
 L → XLATOR = g0

* INPUT CHANNEL	0	1	2	3	4	5	6	7	10	11	12	13	14	15	16	17
I/O JACK	27	16	4	5	28	17	6	7	18	19	8	9	20	21	10	11

** IA WILL BE A 2090 FOR SLOW INTERFACE OR A 2320 FOR FAST INTERFACE.

FIGURE 8-53

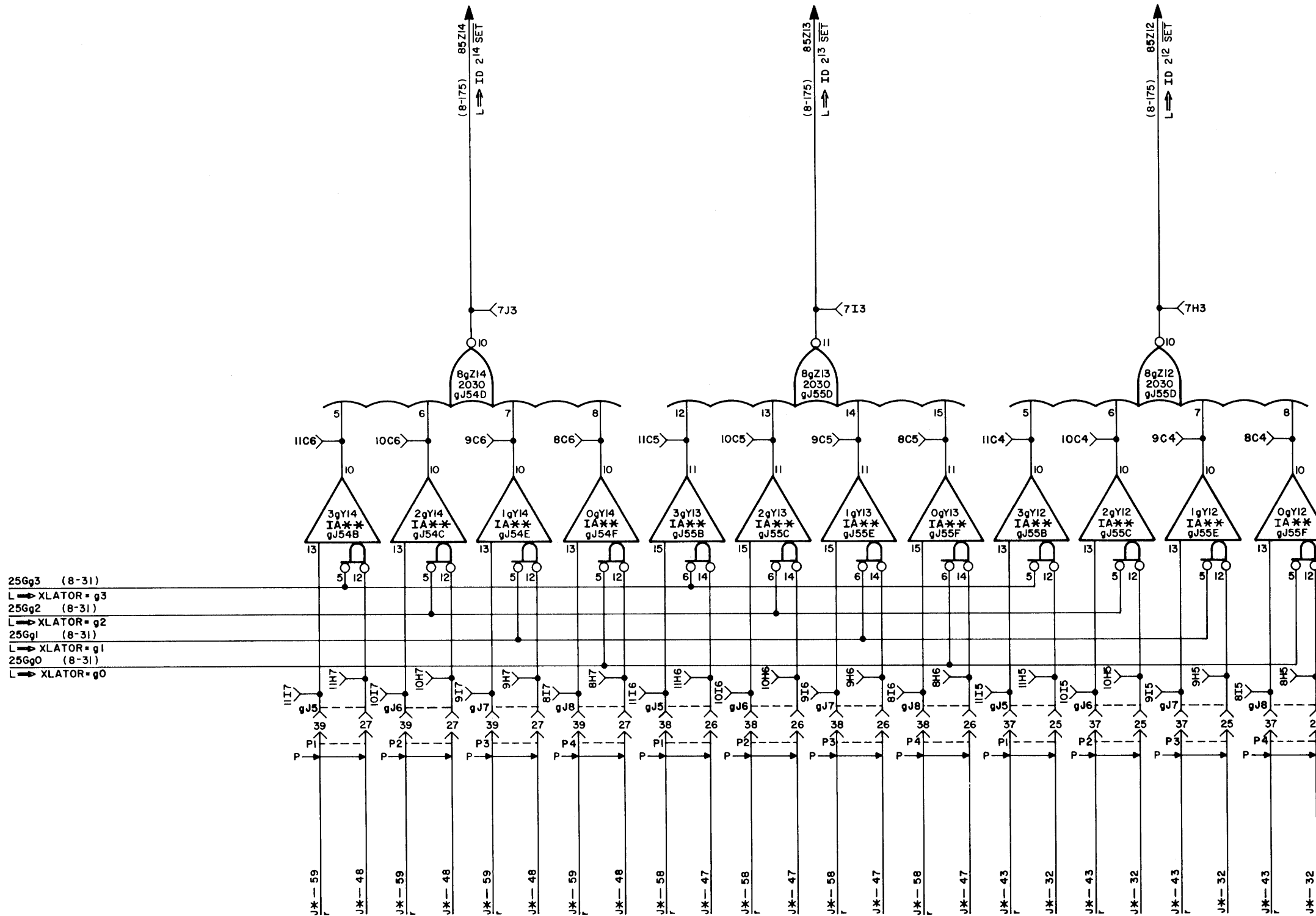
IDENT NO. 7032605-00

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UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE		CLASS	
DIMENSION IN INCHES TOLERANCE OF 2 PLACE DECIMALS		3 PLACE DECIMALS		3-18-65		A	
HOLE DIAMETER TOLERANCE		FINISH		DRAFTSMAN		TITLE	
0 THRU .250 ±.003		.251 THRU .500 ±.005		R. CALTON		FUNCTIONAL SCHEMATIC, INPUT DATA AMPS STAGES 09-11	
.501 & LARGER ±.010		MATERIAL		CHECKER		APPROVAL	
THREADS: EXCEPT AS INT. CL. 2B		APPLICATION		B. POPOV		R. OULICKY	
COMMODITY CODE		FINISH		APPROVAL		CODE IDENT NO.	
				<i>[Signature]</i>		90536	
						D	
						7032605	
						SCALE	
						WEIGHT	
						SHEET 1 OF 1	

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		71686	SEE EIR			<i>[Signature]</i>



25Gg3 (8-31)
 L → XLATOR = g3
 25Gg2 (8-31)
 L → XLATOR = g2
 25Gg1 (8-31)
 L → XLATOR = g1
 25Gg0 (8-31)
 L → XLATOR = g0

FIGURE 8-54

* INPUT CHANNEL	0	1	2	3	4	5	6	7	10	11	12	13	14	15	16	17
I/O JACK	27	16	4	5	28	17	6	7	18	19	8	9	20	21	10	11

** IA WILL BE A 2090 FOR SLOW INTERFACE OR A 2320 FOR FAST INTERFACE

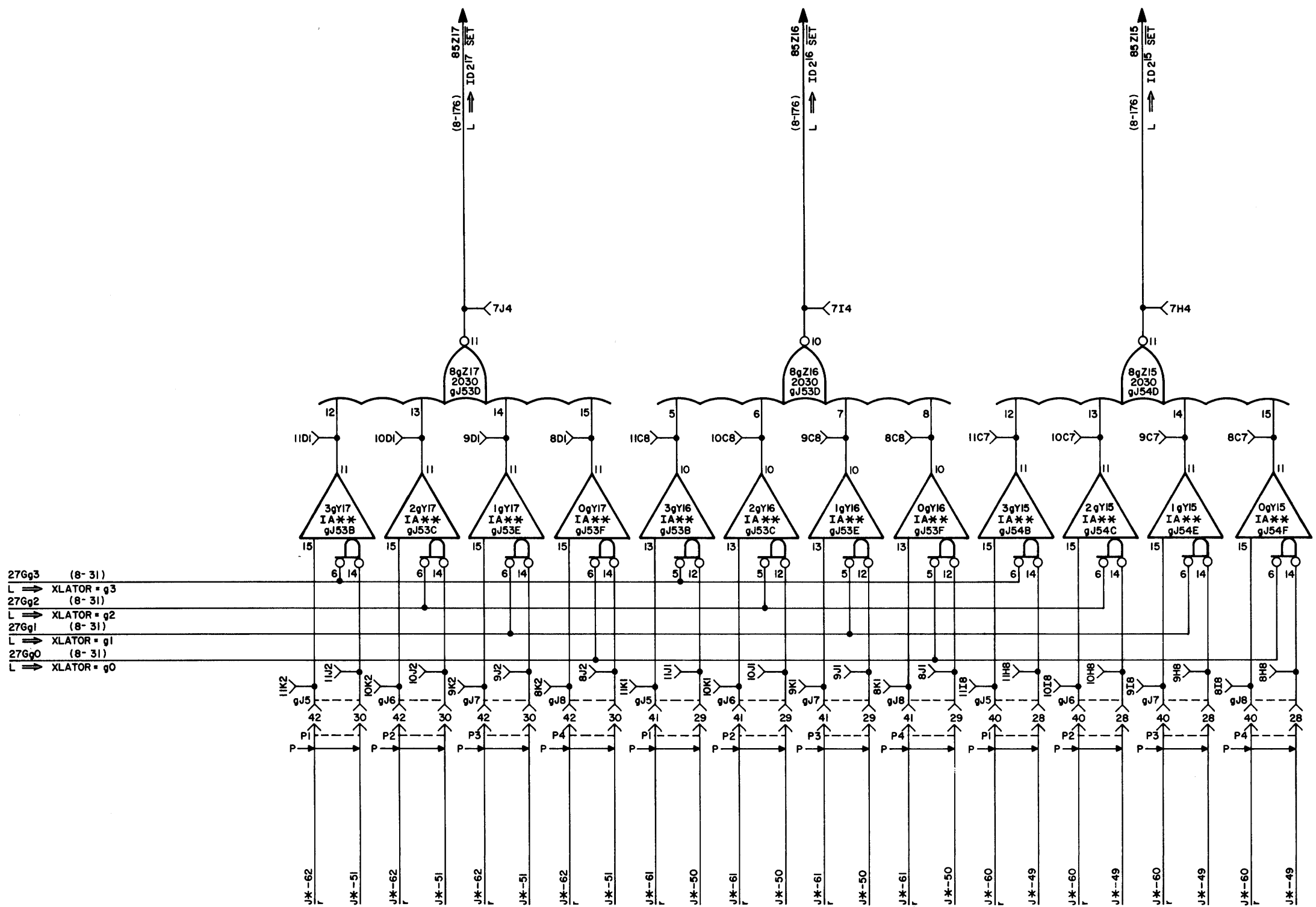
IDENT NO. 7032606-00

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UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE	CLASS	LIST OF MATERIAL	
DIMENSION IN INCHES TOLERANCE ON 2 PLACE DECIMALS		3 PLACE DECIMALS		3-16-65	A	UNIVAC	
HOLE DIAMETER TOLERANCE		ANGLES		DRAFTSMAN		DIVISION OF SPERRY RAND CORPORATION	
0 THRU .250		.005		R. CALTON		TITLE	
.251 THRU .500		.010		CHECKER		FUNCTIONAL SCHEMATIC,	
.501 & LARGER		.020		B. POPOV		INPUT DATA AMPS	
MATERIAL		THINLADS EXCEPT INT CL 2B		ENGINEER		STAGES 12-14	
FINISH		APPLICATION		R. OULICKY		CODE IDENT NO.	
NEXT ASST		EQUIPMENT		APPROVAL		SIZE	
COMMODITY CODE		FINISH		<i>[Signature]</i>		DWG NO.	
				9-15-65		90536	
						D	
						7032606	
						SCALE	
						WEIGHT	
						SHEET 1 OF 1	

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		71686	SEE EIR			



27Gg3 (8-31)
 L ⇒ XLATOR = g3
 27Gg2 (8-31)
 L ⇒ XLATOR = g2
 27Gg1 (8-31)
 L ⇒ XLATOR = g1
 27Gg0 (8-31)
 L ⇒ XLATOR = g0

FIGURE 8-55

* INPUT CHANNEL	0	1	2	3	4	5	6	7	10	11	12	13	14	15	16	17
I/O JACK	27	16	4	5	28	17	6	7	18	19	8	9	20	21	10	11

** IA WILL BE A 2090 FOR SLOW INTERFACE OR A 2320 FOR FAST INTERFACE.

IDENT NO. 7032607-00

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DIMENSION IN INCHES	TOLERANCE ON 3 PLACE DECIMALS
0 THRU .250	± .005
.251 THRU .500	± .003
.501 & LARGER	± .010
HOLE DIAMETER TOLERANCE	
0 THRU .250	+ .003
.251 THRU .500	+ .003
.501 & LARGER	+ .010
THREADS	EXT. CL. 2A, INT. CL. 2B
MATERIAL	
FINISH	

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL

CLASS	A	DATE	3-17-65
UNIVAC			
DIVISION OF SPERRY RAND CORPORATION			
DRAFTSMAN	R. CALTON	CHECKER	B. POPOV
ENGINEER	R. OULICKY	DATE	9-16-65
TITLE		CODE IDENT NO.	SIZE
FUNCTIONAL SCHEMATIC, INPUT DATA AMPS STAGES 15-17		90536	D
DWG NO.		7032607	
SCALE	WEIGHT	SHEET 1 OF 1	

REVISIONS				CHK	DATE	APPROVED
SYM	ZONE	EIR	DESCRIPTION			
A		71686	SEE EIR			<i>ap/m/ps/ct</i> 7/2/64

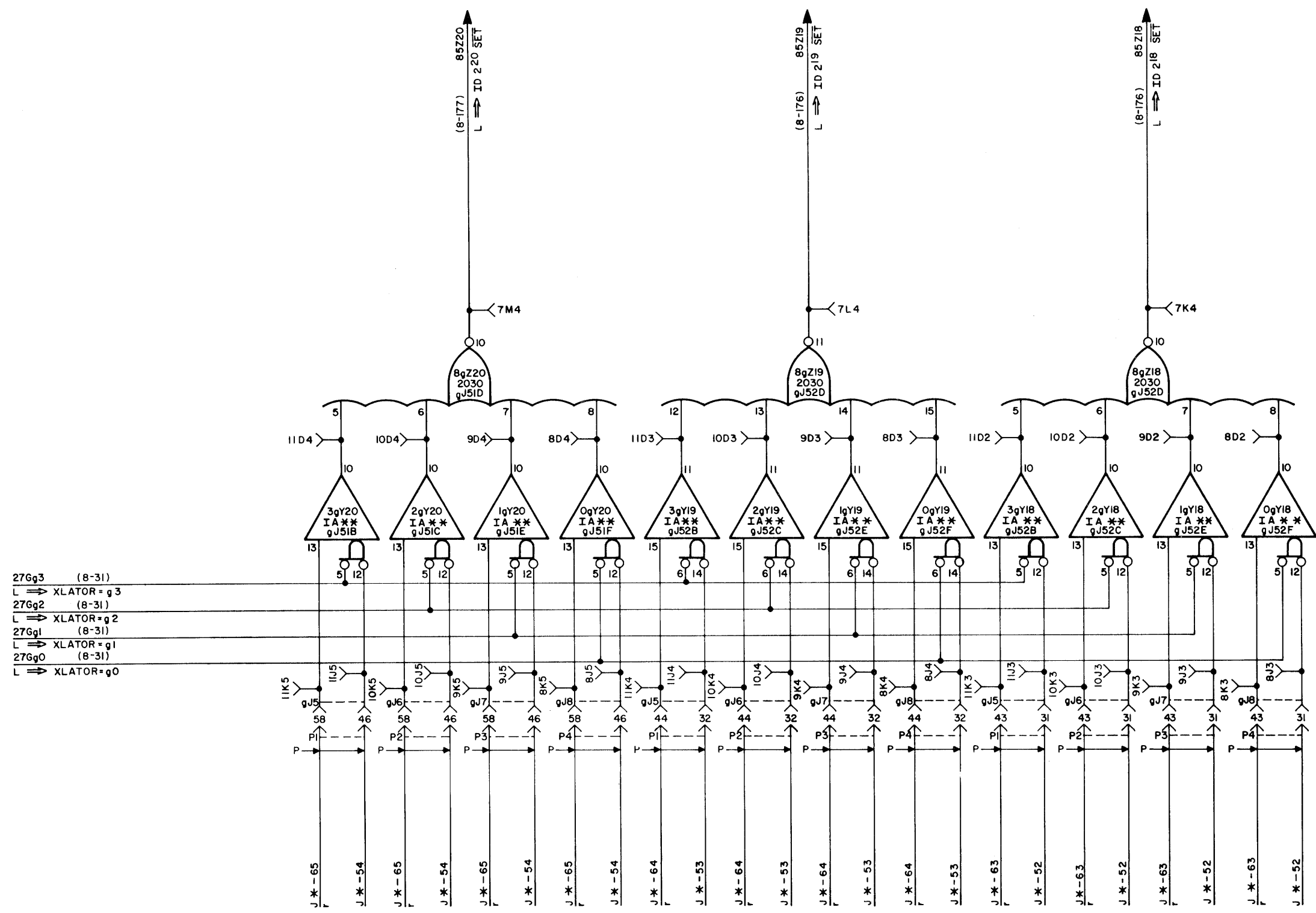


FIGURE 8-56

* INPUT CHANNEL	0	1	2	3	4	5	6	7	10	11	12	13	14	15	16	17
I/O JACK	27	16	4	5	28	17	6	7	18	19	8	9	20	21	10	11

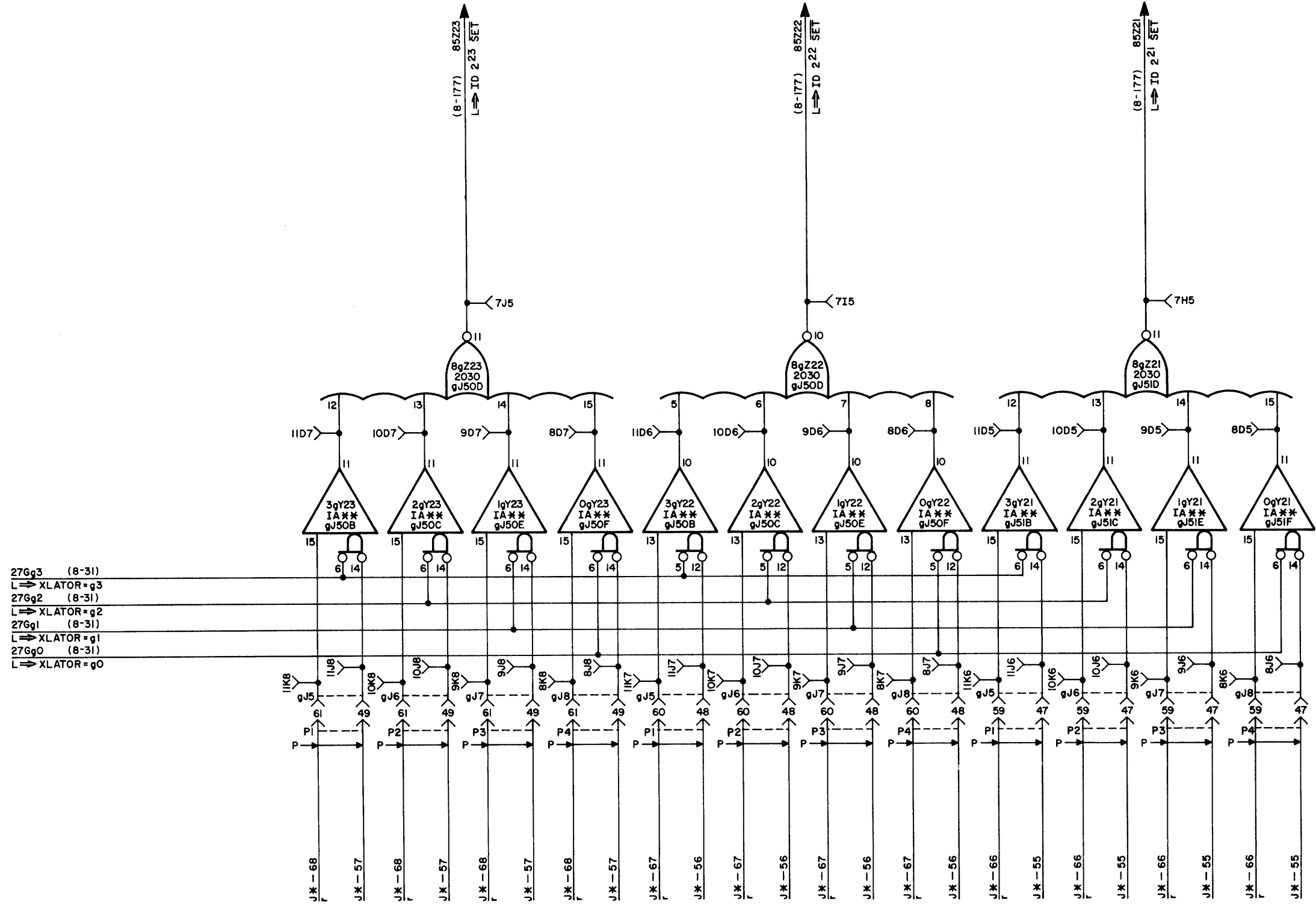
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QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNLESS OTHERWISE SPECIFIED: DIMENSION IN INCHES. TOLERANCE ON: 2 PLACE DECIMALS: .010 3 PLACE DECIMALS: .005 HOLE DIAMETER TOLERANCE: 0 THRU .250: .001 THRU .500: .0015 LARGER + .003 - .002 THREADS: EST. EX. INT. CL 2B MATERIAL: FINISH:		LAYOUT	DATE	CLASS	UNIVAC DIVISION OF SPERRY RAND CORPORATION	
DRAWN BY: R. CALTON		DATE: 3-17-65	CLASS: A	TITLE: FUNCTIONAL SCHEMATIC, INPUT DATA AMPS STAGES 18-20		
CHECKER: B. POPOV		DATE: 9-15-64	CLASS: A	ENGINEER: R. OULICKY		
APPROVAL: <i>R. Oulicky</i>		DATE: 9-15-64	CLASS: A	CODE IDENT NO: 90536		
COMMODITY CODE:		APPLICATION:	FINISH:	SIZE: D	DWG NO: 7032608	SCALE: SHEET 1 OF 1

REVISIONS				CHK	DATE	APPROVED
SYM	ZONE	EJR	DESCRIPTION			
A		71686	SEE EIR			



27Gg3 (8-31)
L ⇒ XLATOR = g3
27Gg2 (8-31)
L ⇒ XLATOR = g2
27Gg1 (8-31)
L ⇒ XLATOR = g1
27Gg0 (8-31)
L ⇒ XLATOR = g0

FIGURE 8-57

* INPUT CHANNEL	0	1	2	3	4	5	6	7	10	11	12	13	14	15	16	17
I/O JACK	27	16	4	5	28	17	6	7	18	19	8	9	20	21	10	11

** IA WILL BE A 2090 FOR SLOW INTERFACE OR A 2320 FOR FAST INTERFACE.

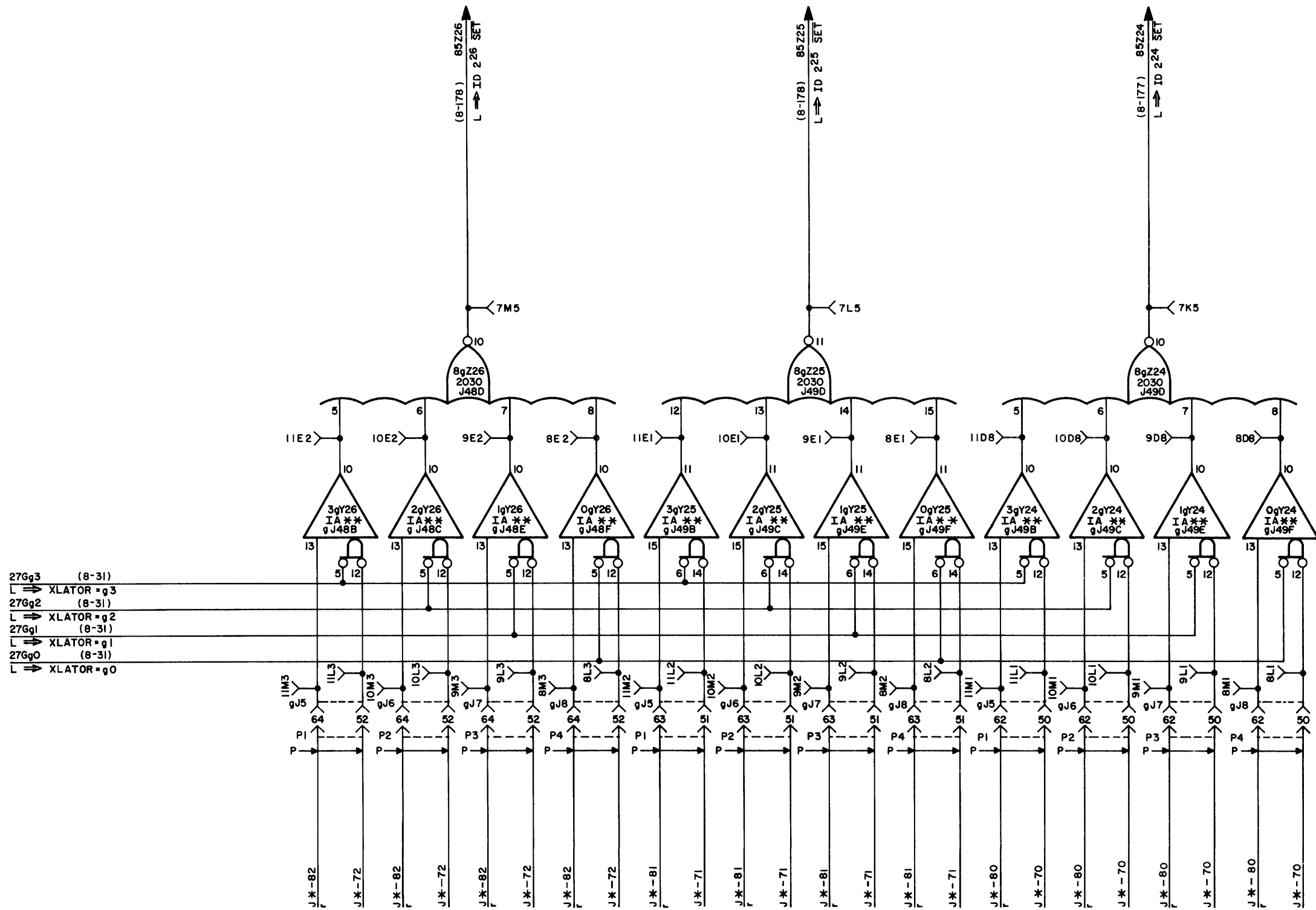
IDENT NO. 7032609-00

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QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNLESS OTHERWISE SPECIFIED			LAYOUT			
DIMENSION IN INCHES TOLERANCE ON			DATE			
2 PLACE DECIMALS			CLASS			
3 PLACE DECIMALS			A			
ANGLES			DRAFTSMAN			
±			RCALTON			
HOLE DIAMETER TOLERANCE			CHECKER			
0 THRU .250			B. POPOV			
+.003			ENGINEER			
-.002			R. OULICKY			
.251 THRU .500			APPROVAL			
+.010			[Signature]			
-.005			DATE			
THREADS EXCEPT CL 2A, INT CL 2B			3-18-65			
MATERIAL			TITLE			
FINISH			FUNCTIONAL SCHEMATIC, INPUT DATA AMPS STAGES 21-23			
APPLICATION			CODE IDENT NO.			
COMMODITY CODE			90536			
			SIZE			
			D			
			DWG NO.			
			7032609			
			SCALE			
			WEIGHT			
			SHEET 1 OF 1			

REVISIONS				CHK	DATE	APPROVED
SYM	ZONE	EIR	DESCRIPTION			
A		71686	SEE EIR			<i>[Signature]</i>



27Gg3 (8-31)
 L ⇒ XLATOR = g3
 27Gg2 (8-31)
 L ⇒ XLATOR = g2
 27Gg1 (8-31)
 L ⇒ XLATOR = g1
 27Gg0 (8-31)
 L ⇒ XLATOR = g0

FIGURE 8-58

* INPUT CHANNEL	0	1	2	3	4	5	6	7	10	11	12	13	14	15	16	17
I/O JACK	27	16	4	5	28	17	6	7	18	19	8	9	20	21	10	11

** IA WILL BE A 2090 FOR SLOW INTERFACE OR A 2320 FOR FAST INTERFACE.

IDENT NO. 7032610-00

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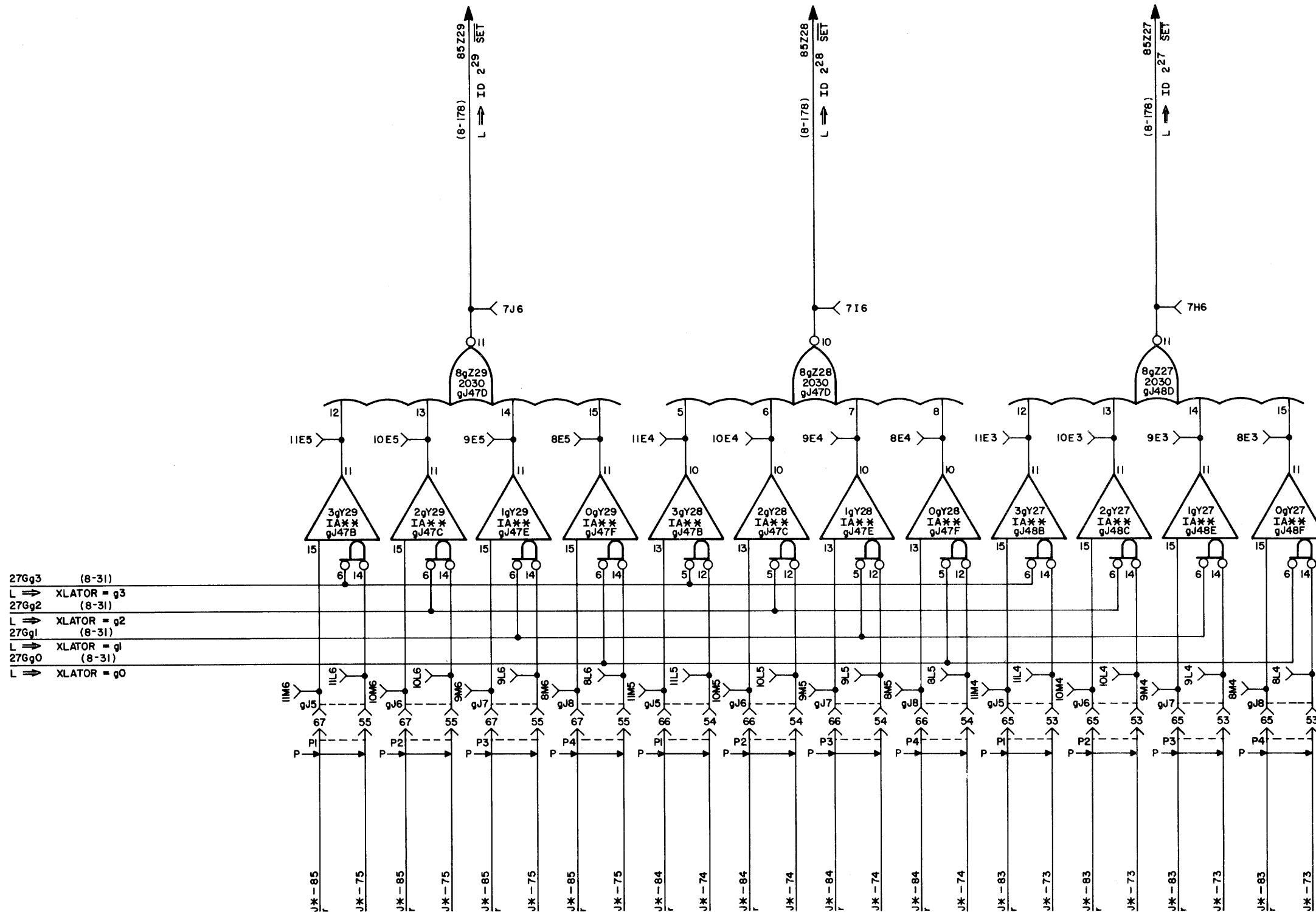
QTY	REF	DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

UNLESS OTHERWISE SPECIFIED		LAYOUT	DATE	CLASS
DIMENSION IN INCHES TOLERANCE OR				A
2 PLACE DECIMALS				
3 PLACE DECIMALS				
ANGLES				
HOLE DIAMETER TOLERANCE				
0 THRU .250				
.251 THRU .500				
.501 & LARGER				
+ .003				
+ .005				
- .002				
- .003				
- .005				
THREADS: EX. CL. 2A, INT. CL. 2B				
MATERIAL				
FINISH				

DRAFTSMAN	R. CALTON	DATE	3-19-65
CHECKER	B. POPOV		
ENGINEER	R. OULICKY		
APPROVAL	<i>[Signature]</i>		

TITLE		UNIVAC	
FUNCTIONAL SCHEMATIC, INPUT DATA AMPS STAGES 24-26		DIVISION OF SPERRY RAND CORPORATION	
CODE IDENT NO.	SIZE	DWG NO.	
90536	D	7032610	
SCALE	WEIGHT	SHEET	OF 1

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		71686	SEE EIR			<i>[Signature]</i>



27Gg3 (8-31)
 L → XLATOR = g3
 27Gg2 (8-31)
 L → XLATOR = g2
 27Gg1 (8-31)
 L → XLATOR = g1
 27Gg0 (8-31)
 L → XLATOR = g0

FIGURE 8-59

* INPUT CHANNEL	0	1	2	3	4	5	6	7	10	11	12	13	14	15	16	17
I/O JACK	27	16	4	5	28	17	6	7	18	19	8	9	20	21	10	11

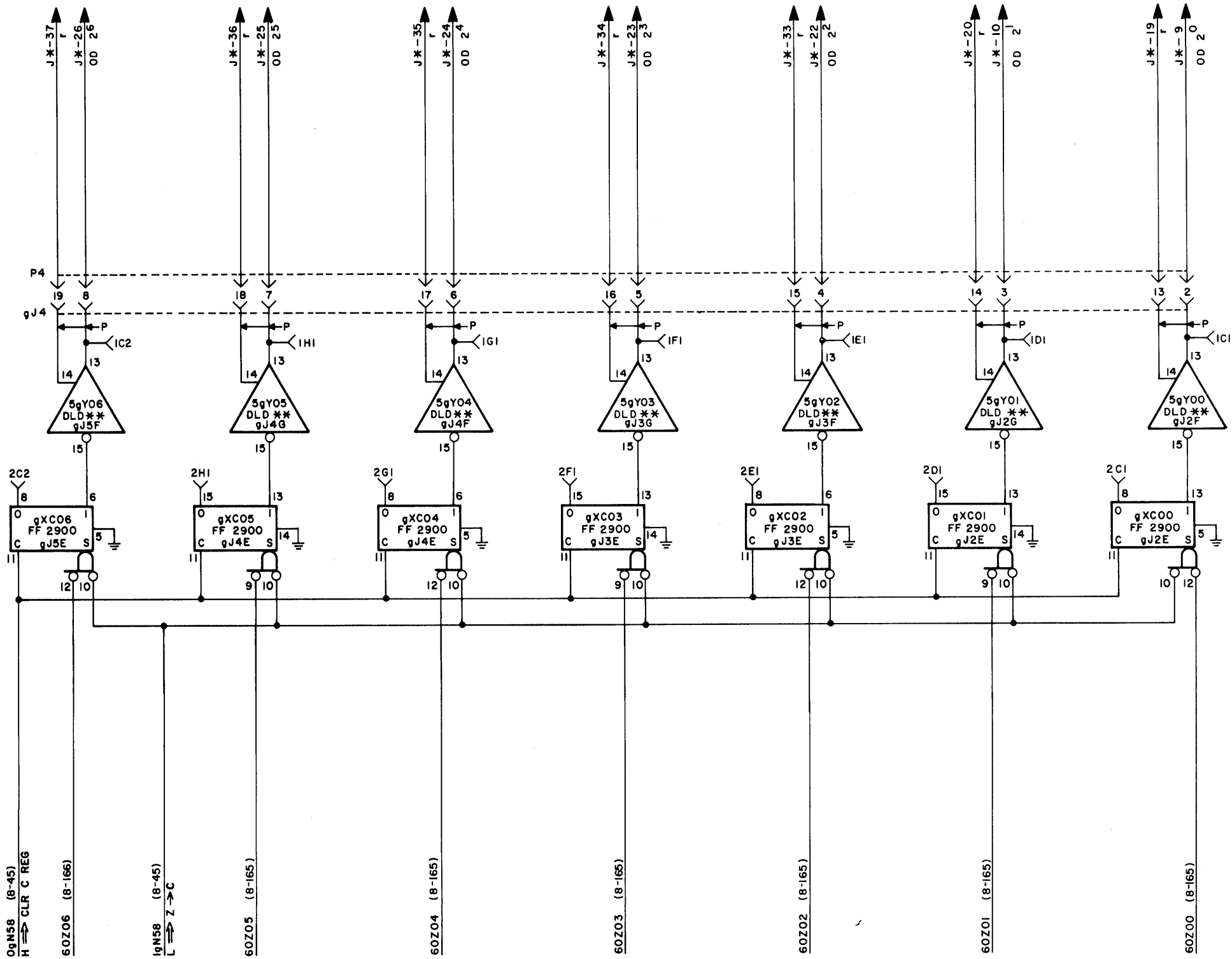
** IA WILL BE A 2090 FOR SLOW INTERFACE OR A 2320 FOR FAST INTERFACE.

IDENT NO. 7032611-00

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QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNLESS OTHERWISE SPECIFIED			LAYOUT			
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS			DATE			
± .003			CLASS			
± .005			A			
± .010			UNIVAC			
± .015			DIVISION OF SPERRY RAND CORPORATION			
± .020			DRAFTSMAN			
± .030			R. CALTON			
± .040			CHECKER			
± .050			B. POPOV			
± .060			ENGINEER			
± .070			R. OULICKY			
± .080			APPROVAL			
± .090			<i>[Signature]</i>			
± .100			CODE IDENT NO.			
± .110			90536			
± .120			SIZE			
± .130			D			
± .140			DWG NO.			
± .150			7032611			
± .160			SCALE			
± .170			WEIGHT			
± .180			SHEET			
± .190			OF 1			

REVISIONS				
NO.	DATE	DESCRIPTION	CHK.	APPROVED



H → L

FIGURE 8-60

* OUTPUT CHANNEL	0	1	2	3	4	5	6	7	10	11	12	13	14	15	16	17
I/O JACK	29	30	31	32	33	34	35	36	23	24	25	26	12	13	14	15

** DLD WILL BE A 2140 FOR SLOW INTERFACE OR A 2340 FOR FAST INTERFACE.

IDENT. NO. 7032626-00

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QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL

DESIGN ENGINEER	V. STEEBER	DATE	3-17-65
CHECKER	B. POPOV		
ENGINEER	R. OULICKY		
APPROVAL	<i>[Signature]</i>		

CLASS	A
TITLE	FUNCTIONAL SCHEMATIC, C REGISTER BITS 00-06
CODE IDENT NO.	90536
SIZE	D
DWG NO.	7032626
SCALE	
WEIGHT	
SHEET	
OF	

REVISIONS			
SYM	DATE	DESCRIPTION	APPROVED

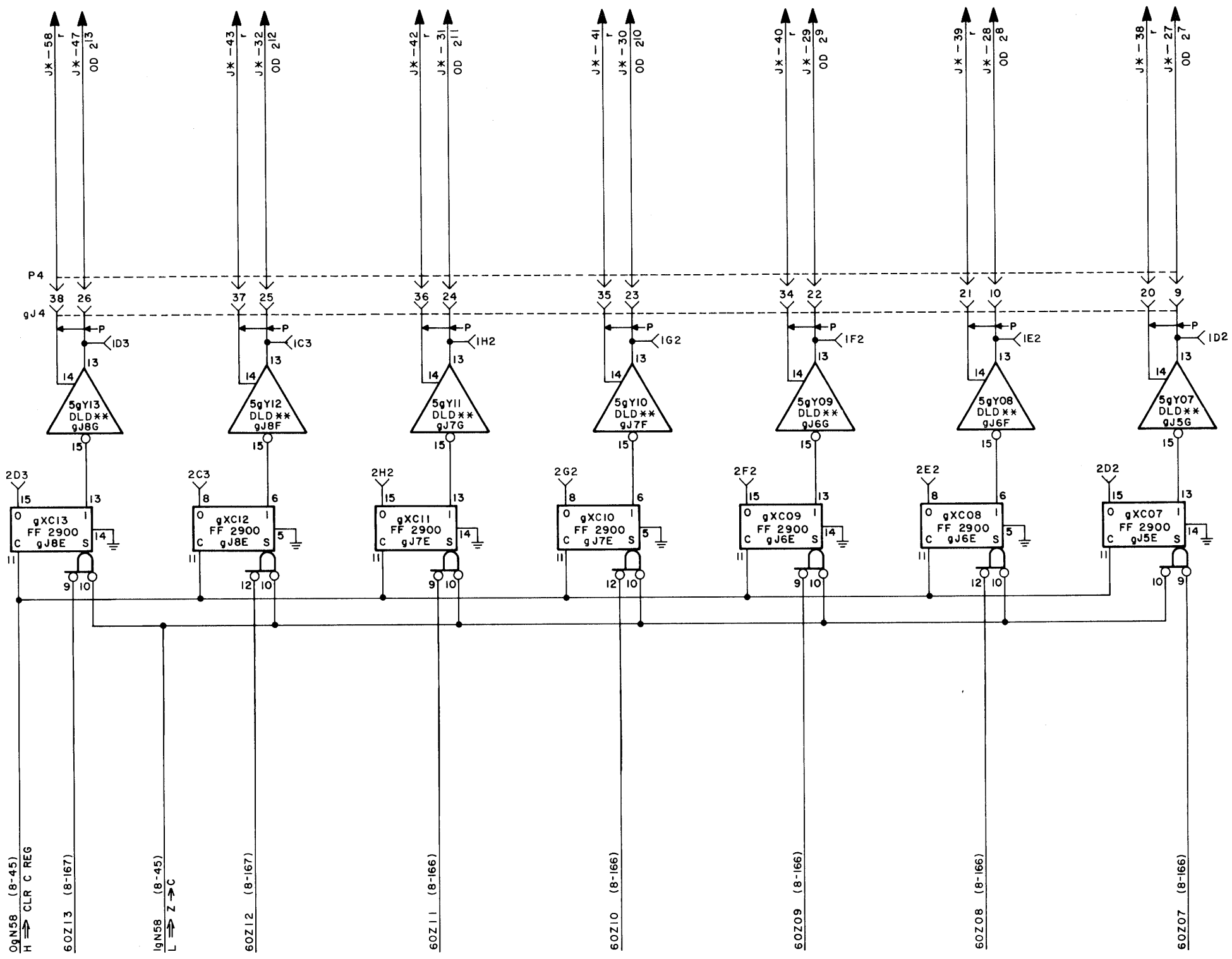


FIGURE 8-61

* OUTPUT CHANNEL	0	1	2	3	4	5	6	7	10	11	12	13	14	15	16	17
I/O JACK	29	30	31	32	33	34	35	36	23	24	25	26	12	13	14	15

** DLD WILL BE A 2140 FOR SLOW INTERFACE OR A 2340 FOR FAST INTERFACE.

IDENT. NO. 7032627-00

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

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL

UNIVAC	
DIVISION OF SPERRY RAND CORPORATION	
TITLE	
FUNCTIONAL SCHEMATIC, C REGISTER BITS 07-13	
CODE IDENT NO.	DWG NO.
90536	7032627
SCALE	SHEET OF 1

REVISIONS				
REV	DATE	DESCRIPTION	BY	APP'D

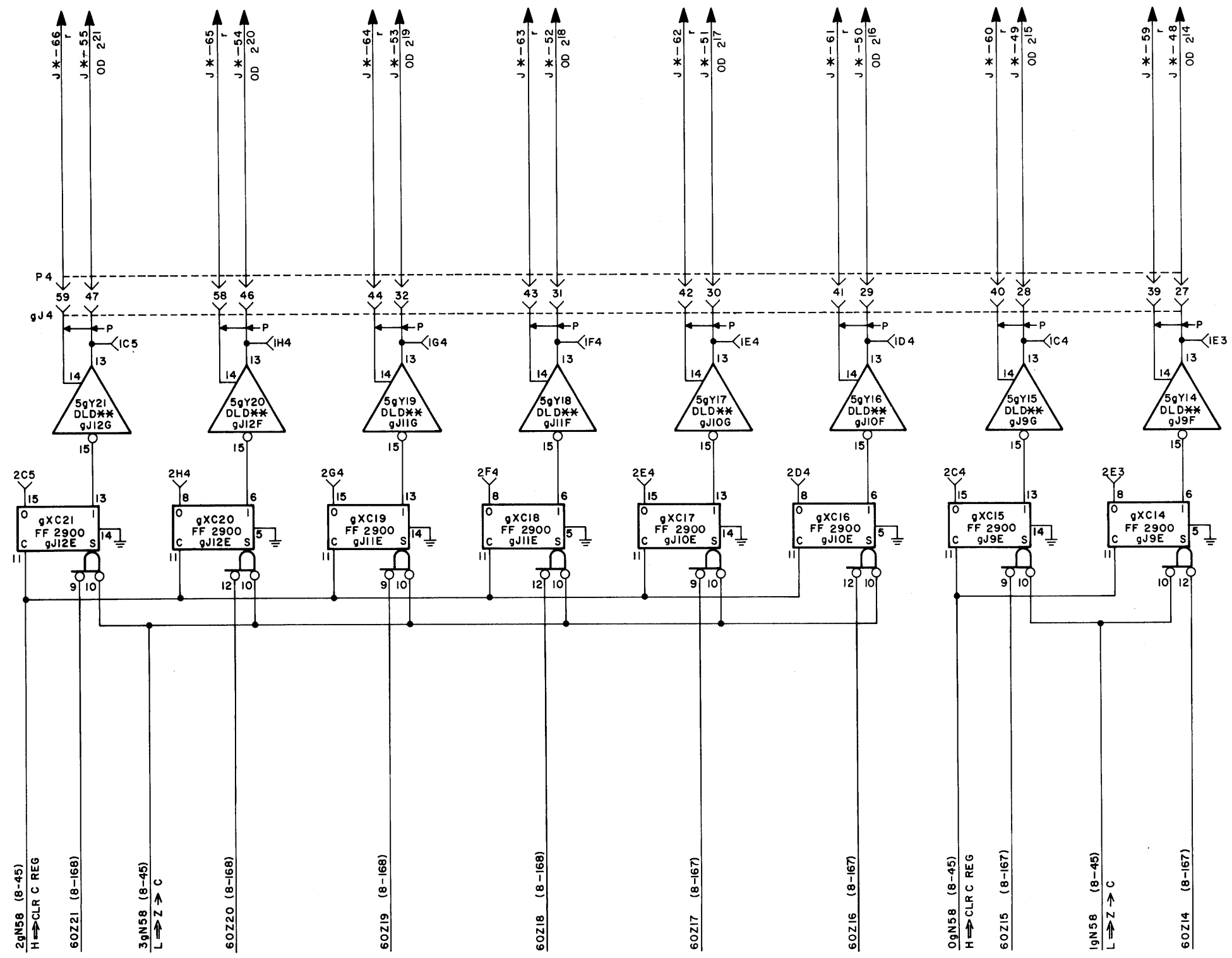


FIGURE 8-62

* OUTPUT CHANNEL	0	1	2	3	4	5	6	7	10	11	12	13	14	15	16	17
I/O JACK	29	30	31	32	33	34	35	36	23	24	25	26	12	13	14	15

** DLD WILL BE A 2140 FOR SLOW INTERFACE OR A 2340 FOR FAST INTERFACE.

IDENT NO. 7032649-00

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QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

UNLESS OTHERWISE SPECIFIED		LAYOUT	DATE	CLASS

LIST OF MATERIAL		UNIVAC	

FUNCTIONAL SCHEMATIC, C REGISTER BITS 14-21	
DRAFTSMAN V. STEEBER	DATE 3-18-65
CHECKER B. POPOV	TITLE FUNCTIONAL SCHEMATIC, C REGISTER BITS 14-21
ENGINEER R. OULICKY	APPROVAL <i>[Signature]</i>
CODE IDENT NO. 90536	SIZE D
DWG NO. 7032649	SHEET OF 1

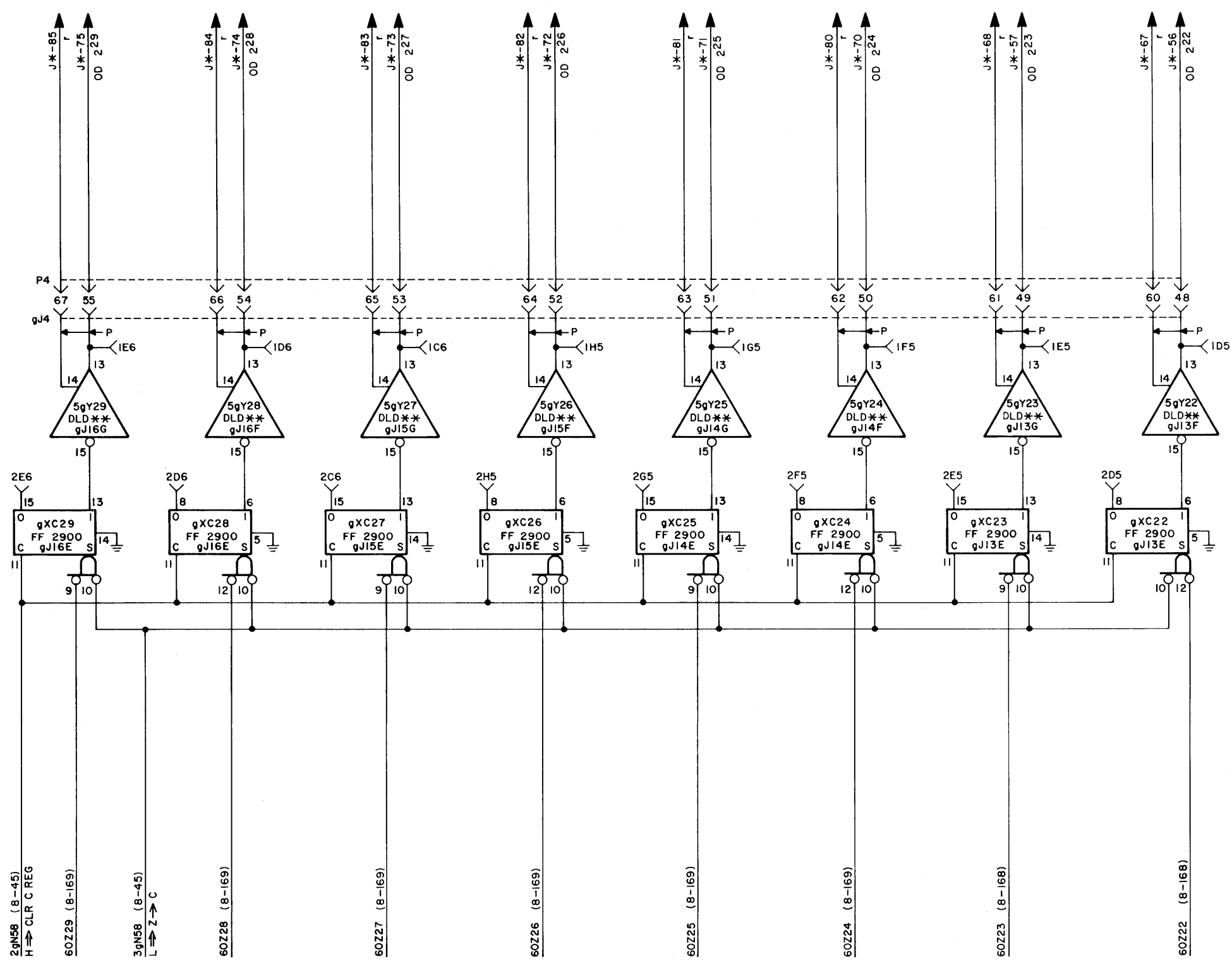


FIGURE 8-63

* OUTPUT CHANNEL

0	1	2	3	4	5	6	7	10	11	12	13	14	15	16	17	
I/O JACK	29	30	31	32	33	34	35	36	23	24	25	26	12	13	14	15

** DLD WILL BE A 2140 FOR SLOW INTERFACE OR A 2340 FOR FAST INTERFACE

IDENT NO. 7032650-00

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LIST OF MATERIAL QTY REQD, FIND, REF DES, CYCL IDENT, DWG SIZE, PART OR IDENTIFYING NO, NOMENCLATURE OR DESCRIPTION	
CLASS A	
TITLE FUNCTIONAL SCHEMATIC, C REGISTER BITS 22-29	
DATE 3-18-65	CLASS D
DRAWN BY V. STEEBER	DWG NO. 7032650
CHECKED BY B. POPOV	CODE IDENT NO. 90536
ENGINEER R. OULICKY	SIZE D
APPROVAL <i>[Signature]</i>	SHEET 1 OF 1

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	DATE
A	4088		INTERCOMPUTER TERMINATION	

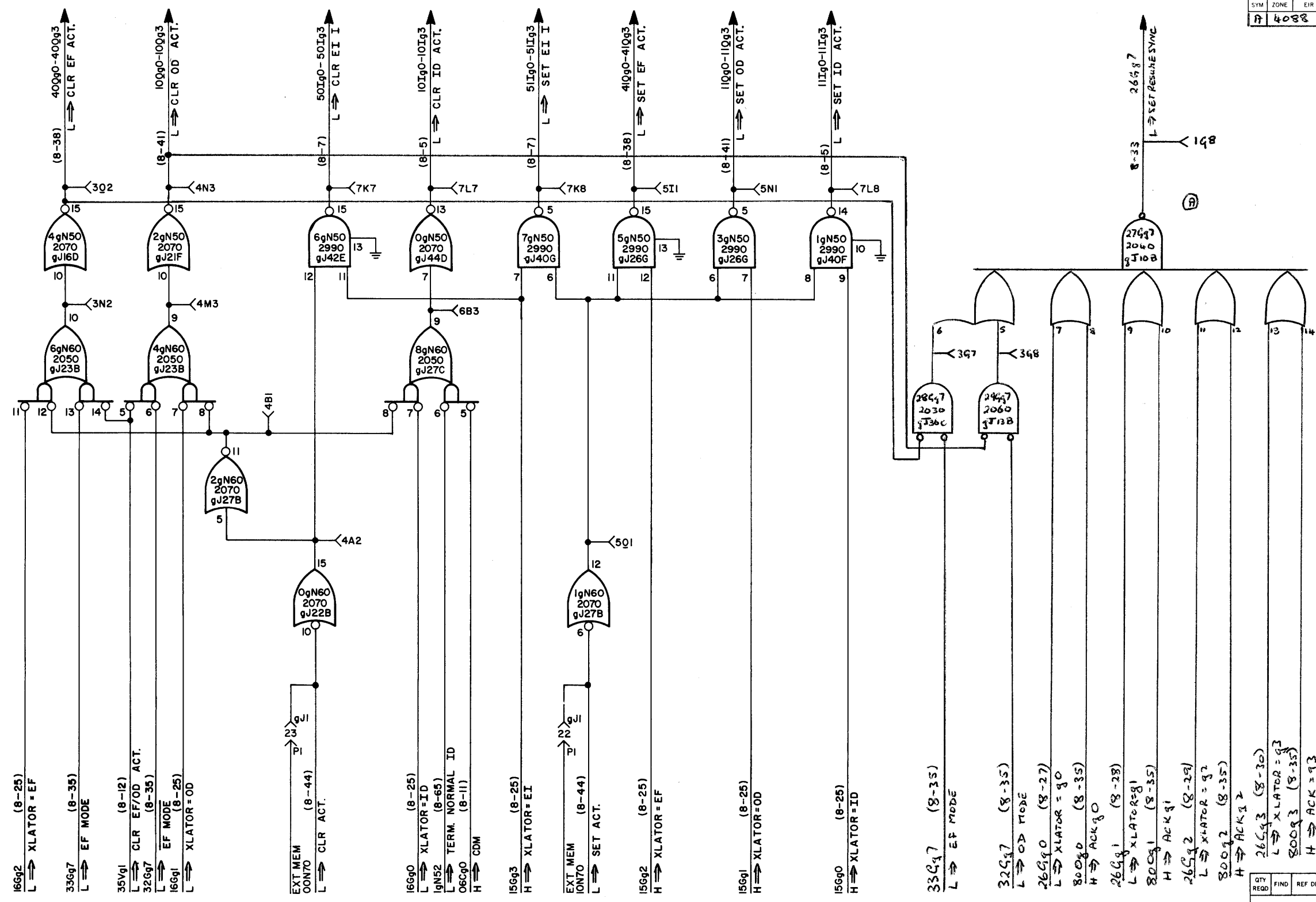


FIGURE 8-64

QTY	FIND	REF DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD			IDENT	SIZE	IDENTIFYING NO.	

UNLESS OTHERWISE SPECIFIED		LAYOUT	DATE	CLASS	LIST OF MATERIAL	
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS		DRAFTSMAN	12-7-66	A	UNIVAC	
DIMENSION IN INCHES. TOLERANCE ON 3 PLACE DECIMALS		E. BICKETT			DIVISION OF SPERRY RAND CORPORATION	
HOLE DIAMETER TOLERANCE		CHECKER			TITLE	
0 THRU .350	± .005	B. POPOV	8-31-67		FUNCTIONAL SCHEMATIC, ACTIVE CONTROL	
.351 THRU .500	± .005	ENGINEER			CODE IDENT NO.	
.501 & LARGER	± .010	J. LAMBING	8-31-67		SIZE	
THREADS: EXT. CL. INT. CL. 2B					DWG NO.	
MATERIAL					90536	
FINISH					D	
COMMODITY CODE					7075163	
					SCALE	
					WEIGHT	
					SHEET 1 OF 1	

IDENT NO. 7075163-00

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REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	DATE

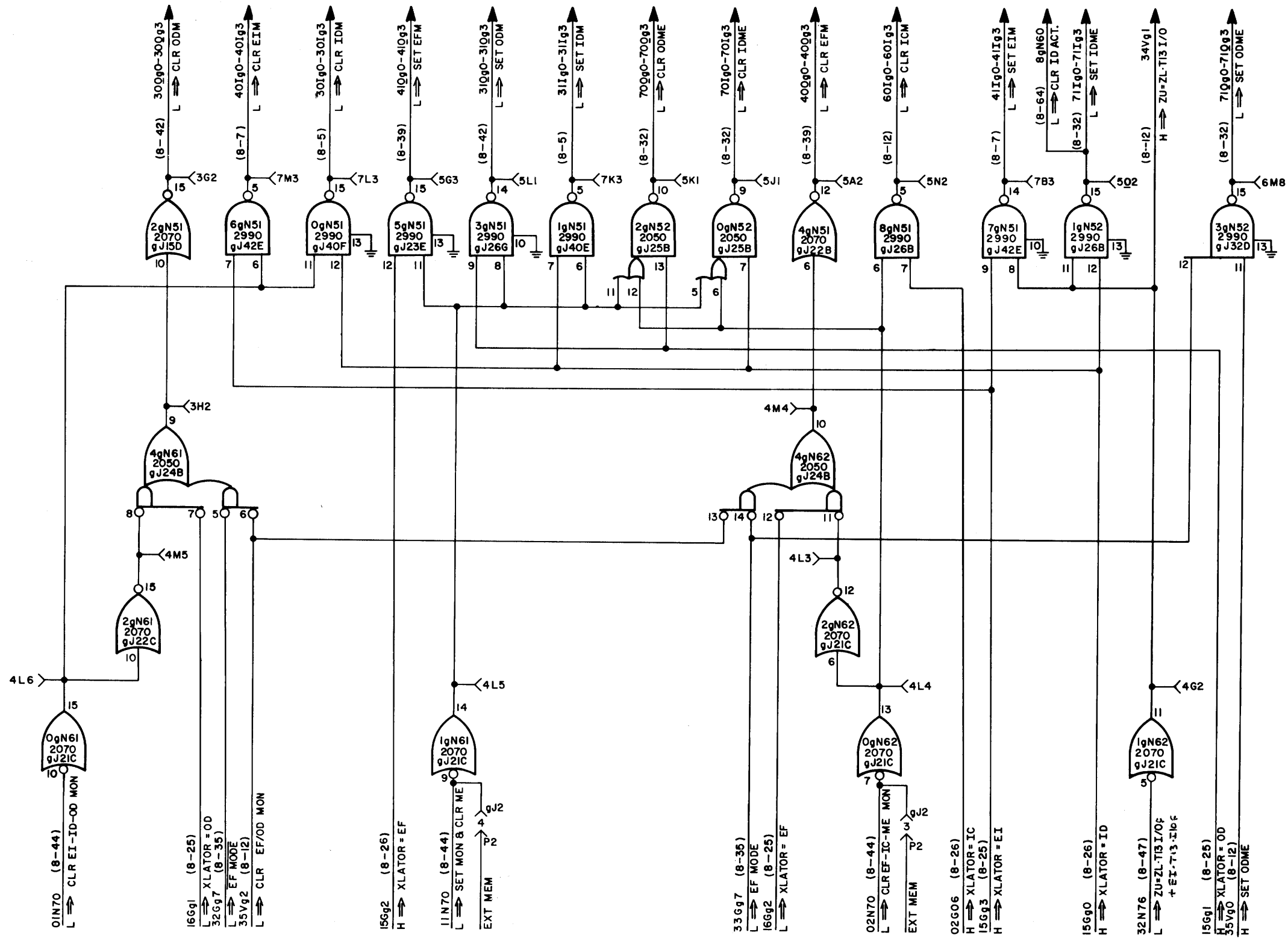


FIGURE 8-65

IDENT NO. 7075164-00

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UNLESS OTHERWISE SPECIFIED:	
DIMENSION IN INCHES, TOLERANCE ON 2 PLACE DECIMALS	ANGLES
HOLE DIAMETER TOLERANCE	
THREADS: EXT. CL. 2A, INT. CL. 2B	
MATERIAL	
FINISH	

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
LAYOUT			DATE	CLASS	UNIVAC	
DRAFTSMAN			12-7-66	A	DIVISION OF SPERRY RAND CORPORATION	
E. BICKETT					TITLE	
CHECKER			5-31-67		FUNCTIONAL SCHEMATIC, MONITOR CONTROL	
B. POPOV						
ENGINEER			5-31-67			
J. LAMBING						
APPROVAL			5-31-67		CODE IDENT NO.	SIZE
[Signature]					90536	D
					DWG NO.	7075164
					SCALE	WEIGHT
					SHEET 1 OF 1	

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	APPROVED
A	3557		CHP I/O TIO INTERRUPT CORRECTION	
B	3557A		CHP I/O TIO INTERRUPT CORRECTION	

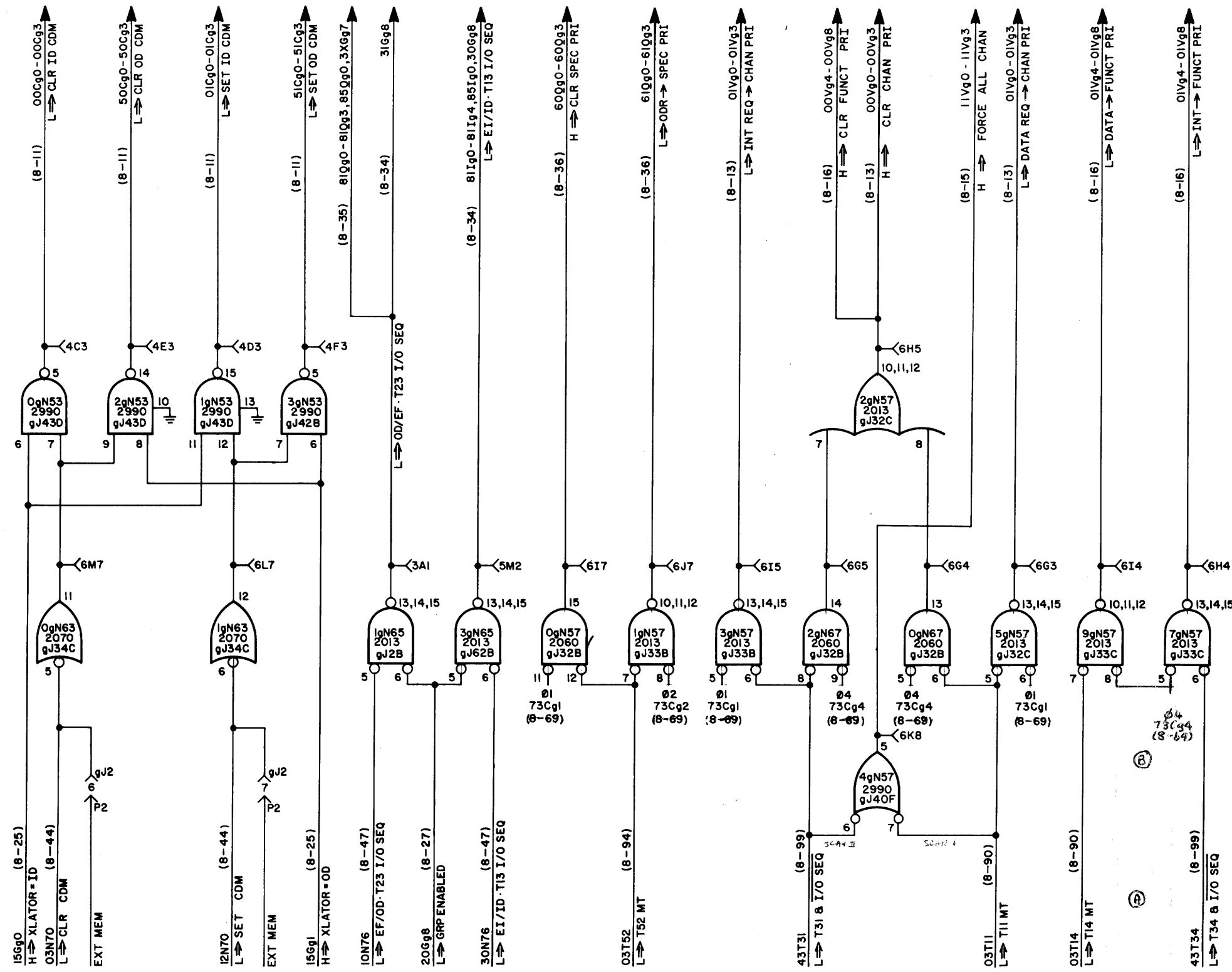


FIGURE 8-66

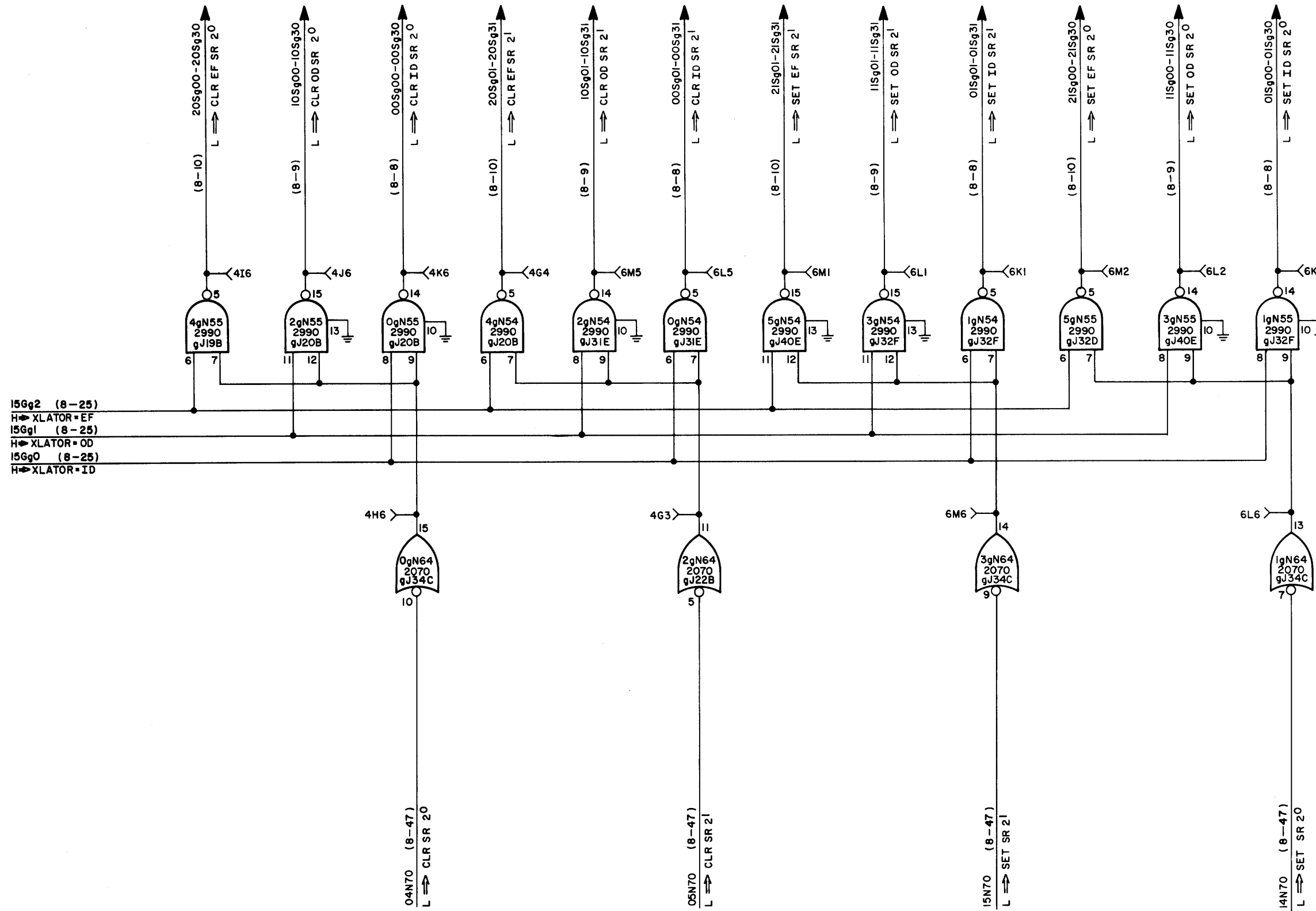
IDENT NO. 7075165-00

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QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNLESS OTHERWISE SPECIFIED			LAYOUT			
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS			DATE			
±			CLASS			
±			A			
HOLE DIAMETER TOLERANCE			DRAFTSMAN			
0 THRU .250 ±.003			E. BICKETT			
.251 THRU .500 ±.005			DATE			
.501 & LARGER ±.010			12-7-66			
THREADS: EXT. CL. 2A, INT. CL. 2B			CHECKER			
FINISH			B. POPOV			
MATERIAL			ENGINEER			
APPLICATION			J. LAMBING			
COMMODITY CODE			APPROVAL			
			[Signature]			
			DATE			
			3-31-67			
			CODE IDENT NO.			
			90536			
			SIZE			
			D			
			DWG NO.			
			7075165			
			SCALE			
			WEIGHT			
			SHEET			
			OF			

REVISIONS					
REV	DATE	DESCRIPTION	CHK	DATE	APPROVED
A	77399	SEE EIR		4-22-66	BWP



15Gg2 (8-25)
H-XLATOR=EF
15Gg1 (8-25)
H-XLATOR=OD
15Gg0 (8-25)
H-XLATOR=ID

FIGURE 8-67

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
CLASS			UNIVAC			
DRAFTSMAN			DIVISION OF SPERRY RAND CORPORATION			
CHECKER			TITLE			
ENGINEER			FUNCTIONAL SCHEMATIC, SR CONTROL			
APPROVAL			DATE			
DATE			CLASS			
DATE			A			
DATE			3-1-65			
DATE			9-15-65			
DATE			9-15-65			
DATE			15-65			
CODE IDENT NO	SIZE	DWG NO				
90536	D	7032620				
SCALE	WEIGHT	SHEET 1 OF 1				

IDENT NO. 7032620-00

THIS DOCUMENT CONTAINS INFORMATION RELATING TO THE NATIONAL DEFENSE SCIENCE AND ENGINEERING PROGRAM

UNLESS INDICATED OTHERWISE, THIS DOCUMENT IS UNCLASSIFIED

DESIGNED BY	DATE	CLASS
CHECKED BY	DATE	CLASS
ENGINEER	DATE	CLASS
APPROVAL	DATE	CLASS

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		77402	SEE EIR		9-1-66	BVP

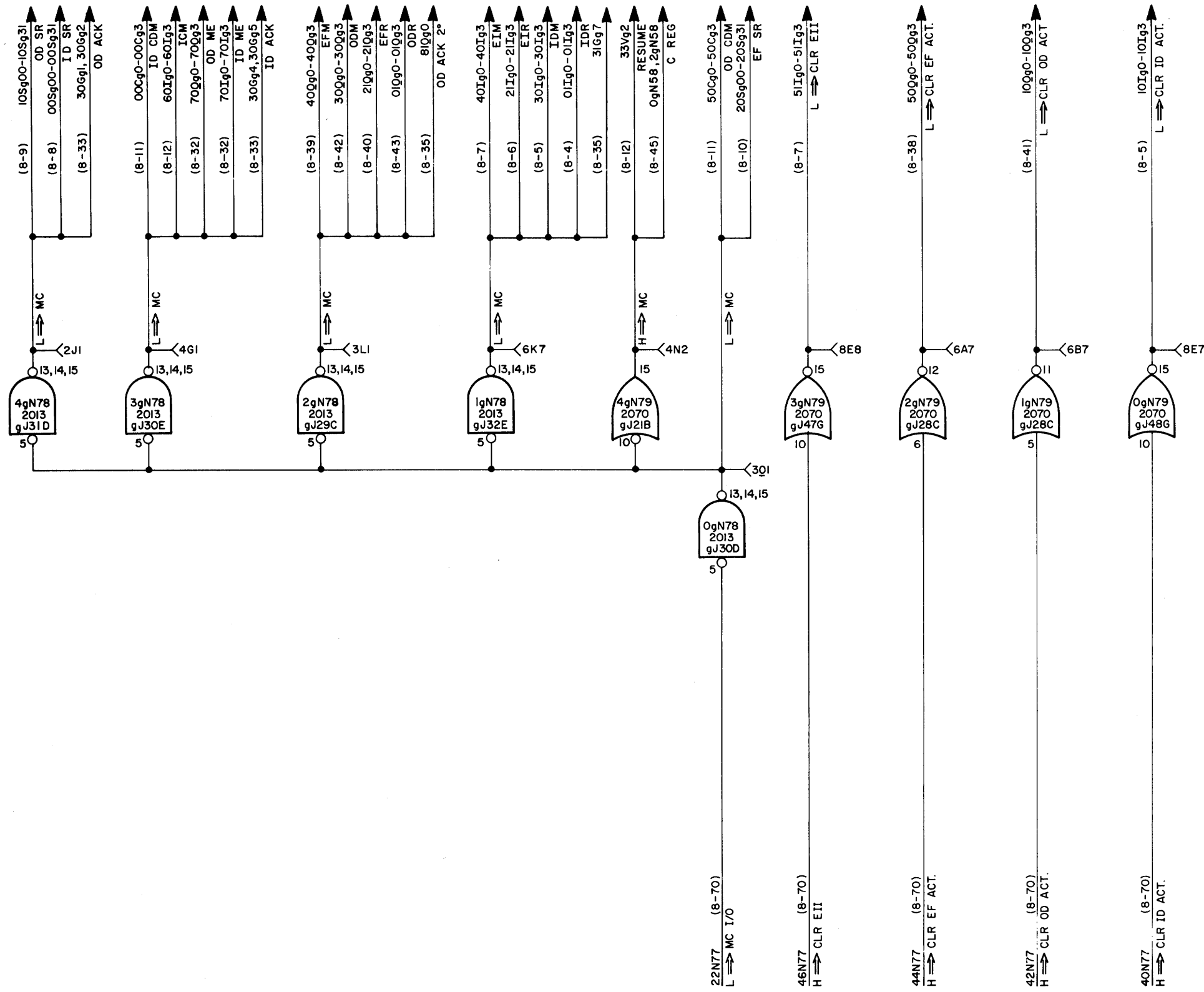
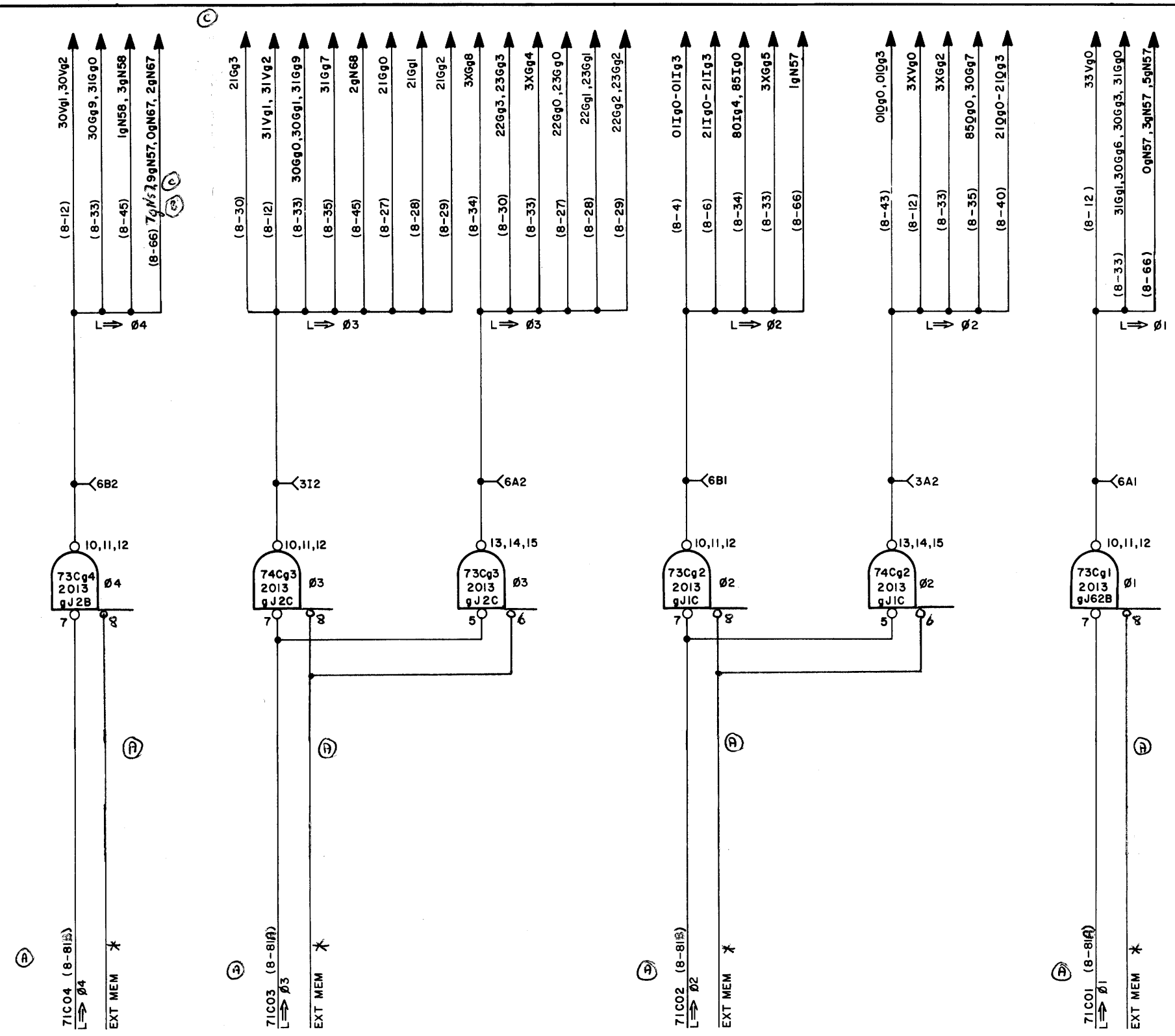


FIGURE 8-68

IDENT NO 7032734-00

LIST OF MATERIAL		PART OR IDENTIFYING NO		NOMENCLATURE OR DESCRIPTION	
CLASS	A	UNIVAC		DIVISION OF GENERAL ELECTRIC CORPORATION	
DATE	4-7-65	TITLE		FUNCTIONAL SCHEMATIC, I/O CLEAR LOGIC	
DESIGNED BY	R. CALTON	CHECKED BY	B. POPOV	DATE	9-1-66
APPROVED BY	R. OULICKY	DATE	9-1-66	CODE IDENT NO	90536
SIZE	D	DWG NO	7032734	WEIGHT	
SHEET	1	OF	1		

REVISIONS			
SYM	ZONE	EIR	DESCRIPTION
A	35c3		COMPUTER TIMING CORRECTION.
B	35s7		CHP IIC TIC INTERRUPT CORRECTION
C	35s7A		CHP IIC TIC INTERRUPT CORRECTION.



* USED ONLY WHEN CHASSIS IN EMU.

FIGURE 8-69

IDENT NO. 7075166-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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UNLESS OTHERWISE SPECIFIED		
DIMENSION IN INCHES	TOLERANCE ON	
2 PLACE DECIMALS	3 PLACE DECIMALS	ANGLES
±	±	±
HOLE DIAMETER TOLERANCE		
5 THRU 250	251 THRU 500	501 & LARGER
+ .003	+ .005	+ .010
-.002	-.003	-.005
THREADS: EXT. CL. 2A, INT. CL. 2B		
MATERIAL	FINISH	
APPLICATION	EQUIPMENT	
COMMODITY CODE	DATE	

LAYOUT	DATE	CLASS
DRAFTSMAN E. BICKETT	12-7-66	A
CHECKER B. POPOV	3-31-67	
ENGINEER J. LAMBING	3-31-67	
APPROVED <i>J. Lambing</i>	3-31-67	

LIST OF MATERIAL		UNIVAC	
DIVISION OF SPERRY RAND CORPORATION		TITLE	
FUNCTIONAL SCHEMATIC,		I/O CLOCK DRIVERS	
CODE IDENT NO.	SIZE	DWG NO.	
90536	D	7075166	
SCALE	WEIGHT	SHEET OF	

REVISIONS			
SYM	ZONE	EIR	APPROVED

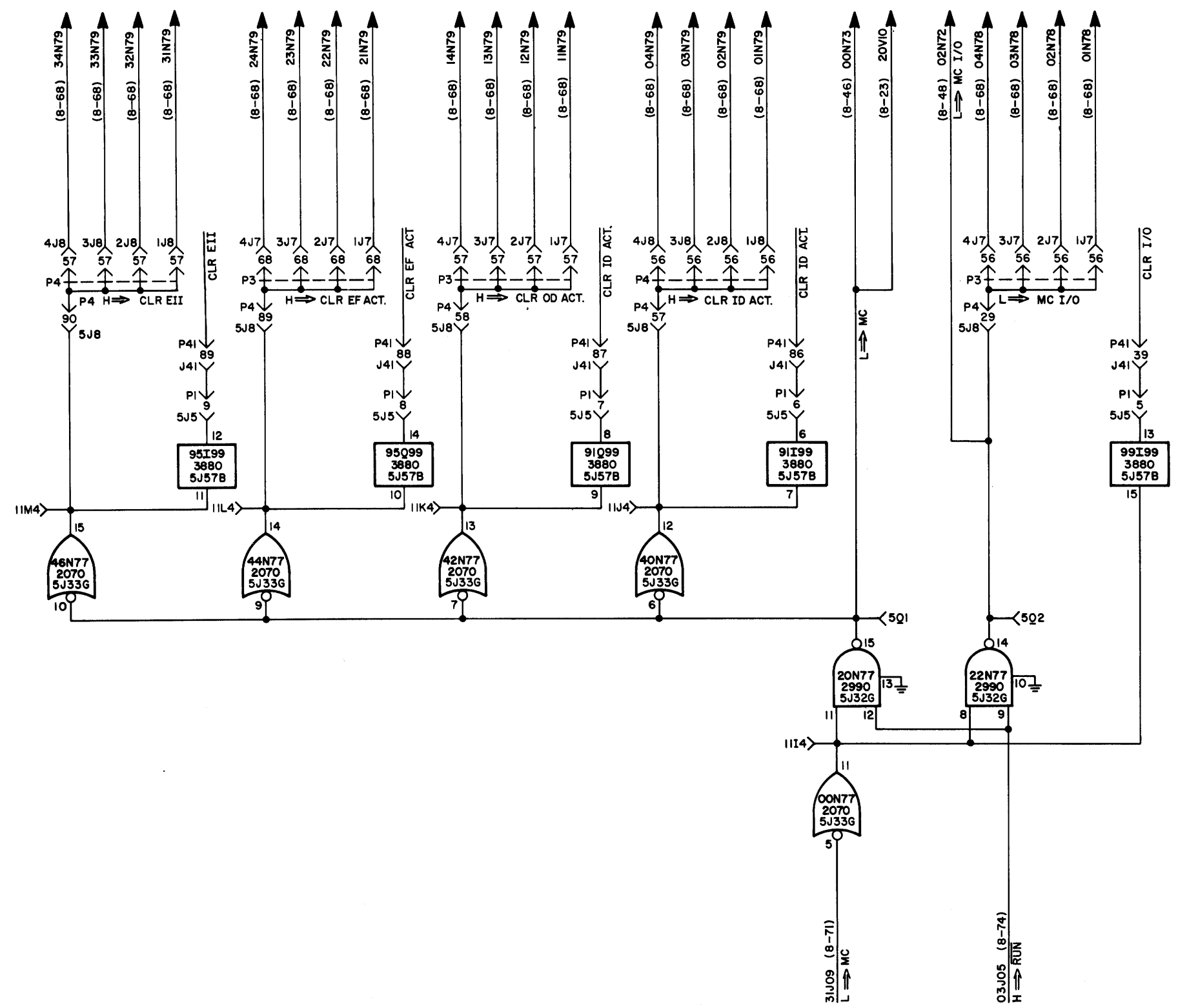


FIGURE 8-70

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
			CLASS	UNIVAC		
			DATE	DIVISION OF SPERRY RAND CORPORATION		
			DRAFTSMAN	R. C. PETERSON		
			CHECKER	12-9-66	TITLE	
			ENGINEER	5-31-67	FUNCTIONAL SCHEMATIC, I/O MASTER CLEAR	
			APPROVAL	5-31-67	CODE IDENT NO.	
					SIZE	DWG NO.
					90536	D 7075167
					SCALE	WEIGHT
						SHEET 1 OF 1

IDENT NO. 7075167-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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UNLESS OTHERWISE SPECIFIED		
DIMENSION IN INCHES, TOLERANCE OR 2 PLACE DECIMALS	3 PLACE DECIMALS	ANGLES
HOLE DIAMETER TOLERANCE		
0 THRU .250	.251 THRU .500	.501 & LARGER
+ .003	+ .005	+ .010
- .002	- .003	- .005
THREADS: EXT. CL. RA, INT. CL. 2B		
MATERIAL	FINISH	
APPLICATION		
COMMODITY CODE		

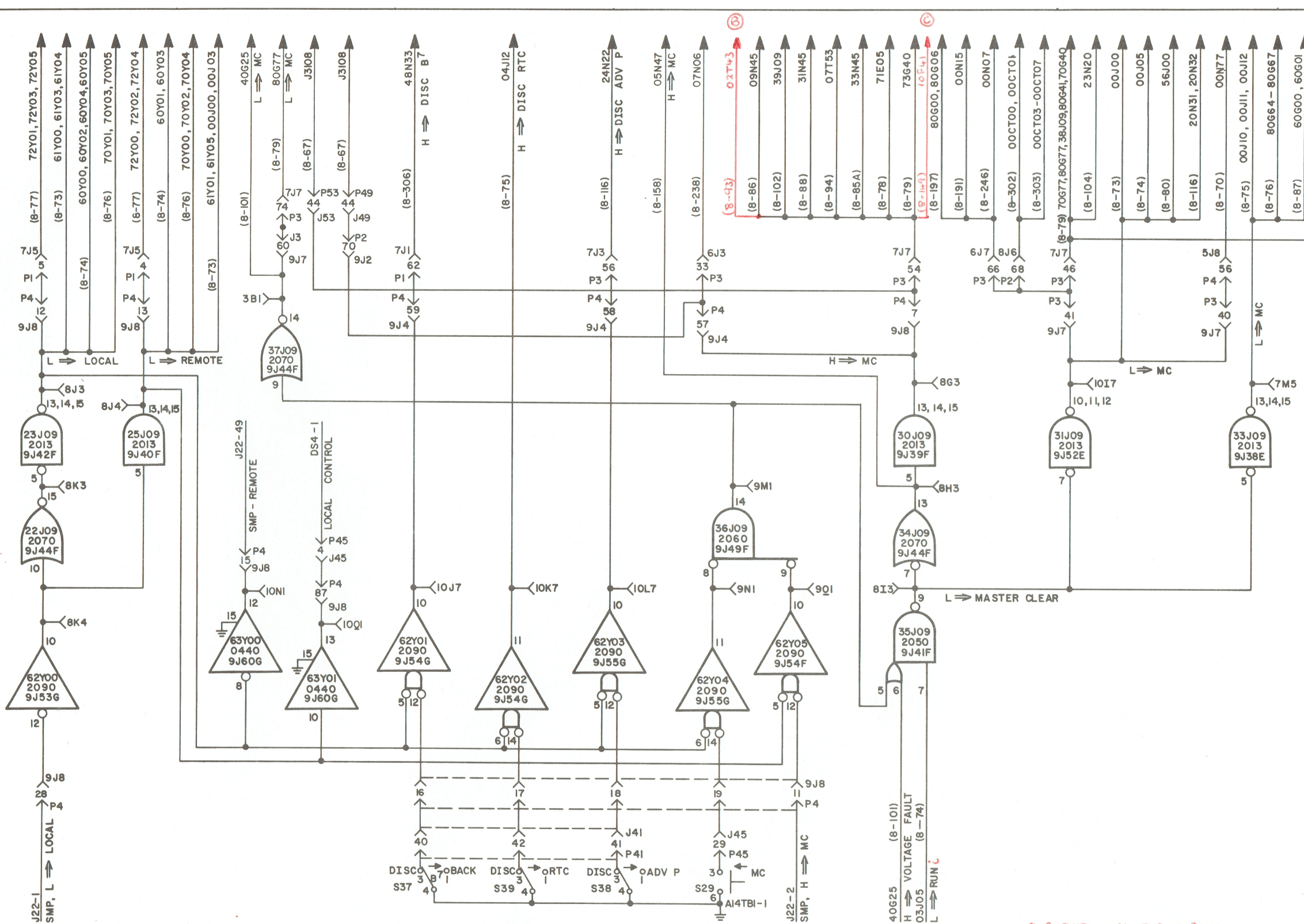


FIGURE 8-71

SMP SYSTEMS MONITORING PANEL

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
		UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS	UNIVAC DIVISION OF SPERRY RAND CORPORATION
		DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS 3 PLACE DECIMALS ANGLES ± ± ±	G.S.WHEBBE	12-12-66	A	
		HOLE DIAMETER TOLERANCE 0 THRU .250 ±.003 .251 THRU .500 ±.005 .501 & LARGER ±.010	CHECKER			TITLE FUNCTIONAL SCHEMATIC, CONSOLE CONTROL I & MASTER CLEAR
		THREADS: EXT. CL. 2A, INT. CL. 2B	B. POPOV	3-31-67		
		MATERIAL	ENGINEER			CODE IDENT NO. SIZE DWG NO. 90536 D 7075168
		FINISH	D. HAIR	5-31-67		
		APPLICATION	APPROVAL			ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DEALT WITH IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.
		EQUIPMENT				SCALE
		COMMODITY CODE				WEIGHT
						SHEET OF

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED
A		71685	SEE EIR	8/10/65
B		77407	SEE EIR	8/25/66
C	E11935	F=64,65	LOGIC CORRECTION	
D	E11944	F=60,65	LOGIC CORRECTION	
E	E11952	B SKIP INSTRUCTION	CORRECTION	
F	E13243	17 BIT MODE & BOOTSTRAP	COMPATIBILITY	
G	E13321	17 BIT MODE INTERRUPT JUMP		
H	E13396	COMPUTER I/O MOD		
I	3741	DISABLE EXT JIC ON FAULT		

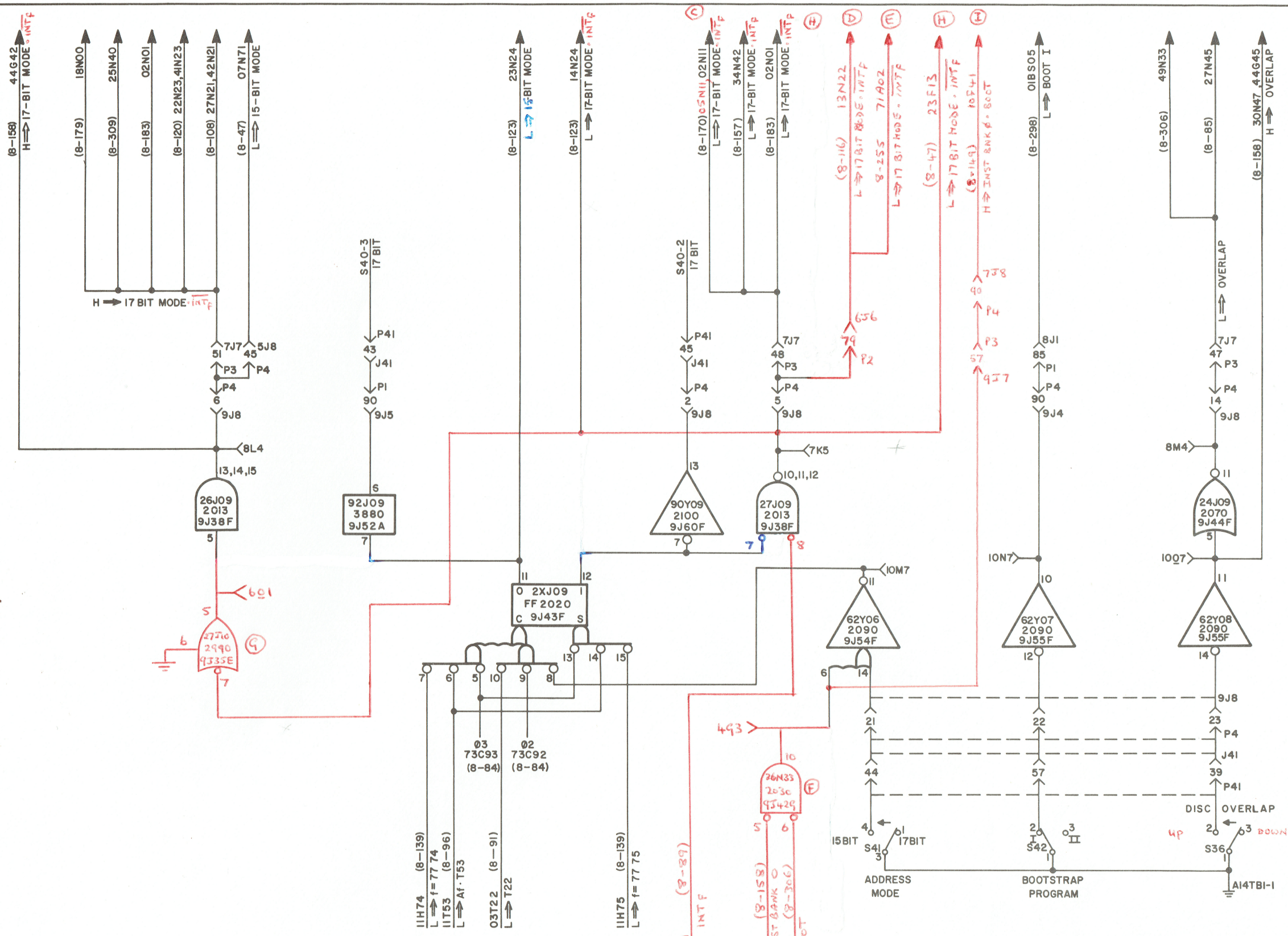


FIGURE 8-72

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						

UNLESS OTHERWISE SPECIFIED		LAYOUT	DATE	CLASS
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ±		R. L. JOHNSON	8-10-65	A
HOLE DIAMETER TOLERANCE ±		CHECKER		TITLE
0 THRU .250 ± .003		B. POPOV		FUNCTIONAL SCHEMATIC, CONSOLE CONTROL 2
.251 THRU .500 ± .005		ENGINEER		
.501 & LARGER ± .010		D. HAIR		
THREADS: EXT. CL. 2A, INT. CL. 2B		APPROVAL		
MATERIAL				
FINISH				

IDENT NO. 7032911-00	THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:
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QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						

IDENT NO. 7032911-00

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REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED
A	3508		COMPUTER TIMING CORRECTION	

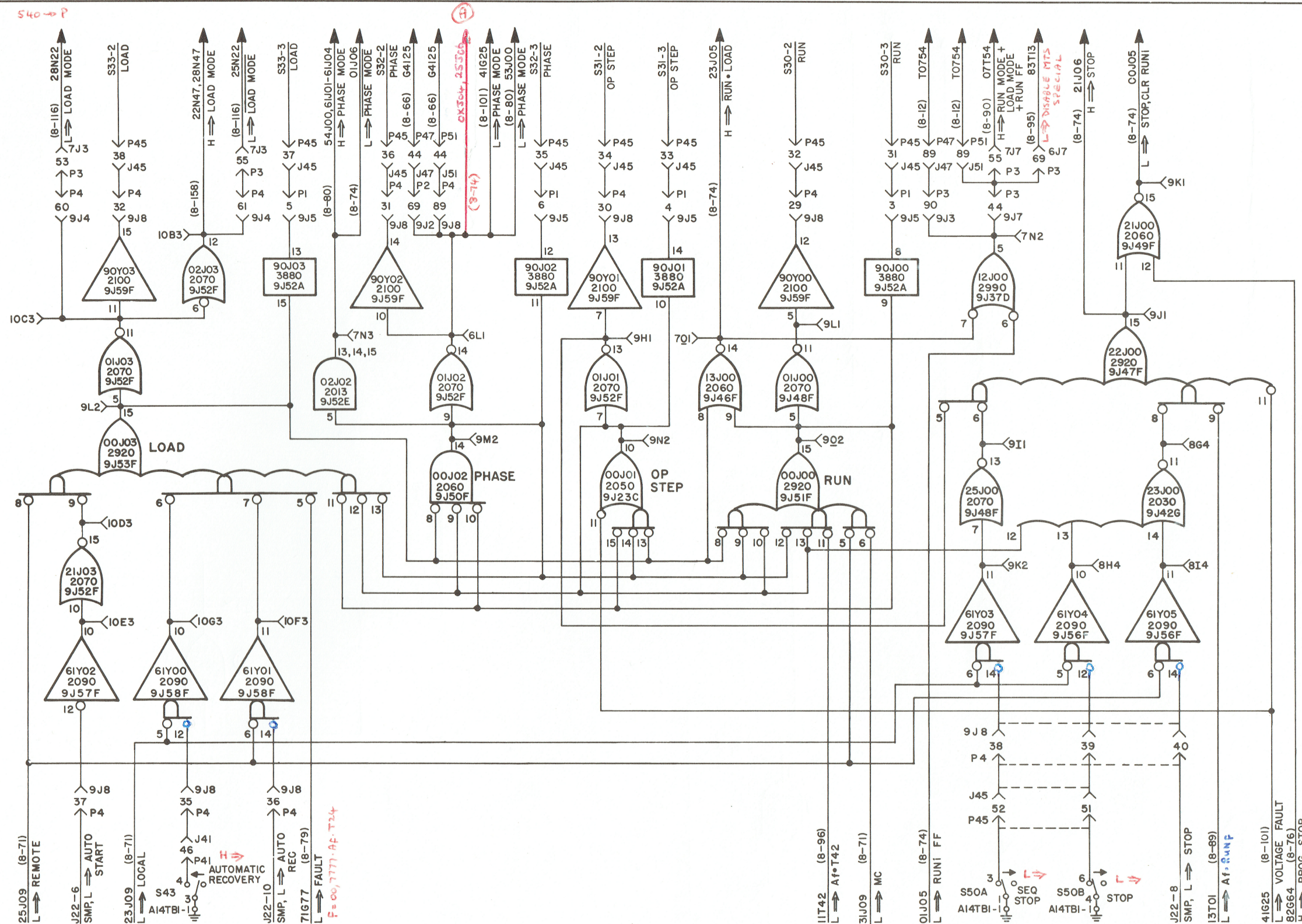


FIGURE 8-73

IDENT NO. 7075169-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS	R. C. PETERSON	12-9-66	A
HOLE DIAMETER TOLERANCE	CHECKER		
THREADS: EXT. CL. 2A, INT. CL. 2B	ENGINEER		
	APPROVED		

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL			
CLASS	TITLE	CODE IDENT NO.	SIZE
A	FUNCTIONAL SCHEMATIC, CONSOLE CONTROL 3	90536	D
		7075169	

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		71685	SEE EIR		8/11/66	
B		77401	SEE EIR		2/22/66	
C	E12501		1230 STOP CORRECTION			
D	3508		COMPUTER TIME CORRECTION			

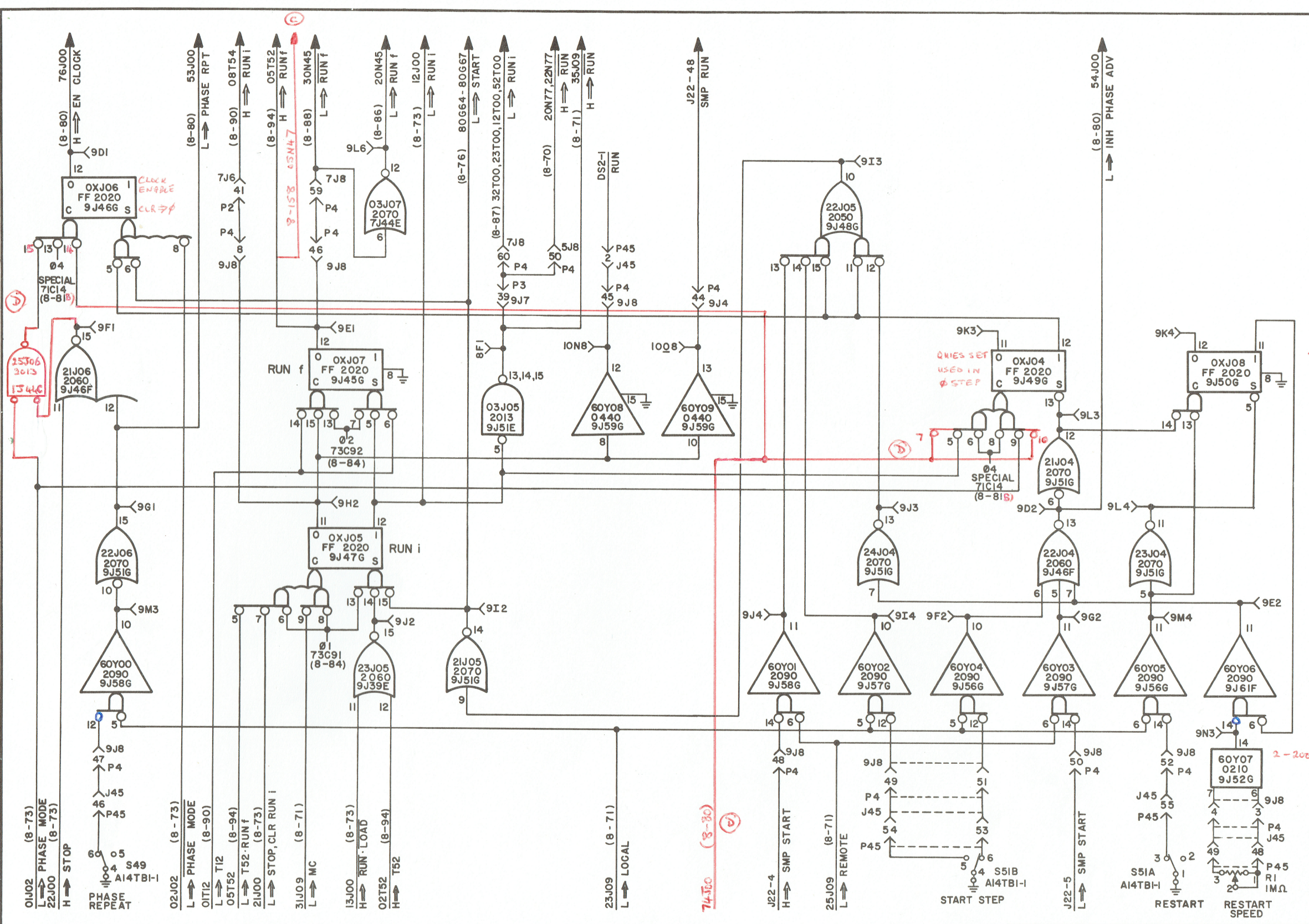


FIGURE 8-74

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNIVAC DIVISION OF SPERRY RAND CORPORATION						
DRAFTSMAN W.C. MEGGERS			DATE 3-11-65		CLASS A	
CHECKER B. POPOV			ENGINEER D. HAIR		TITLE FUNCTIONAL SCHEMATIC, CONSOLE CONTROL 4	
APPROVAL <i>[Signature]</i>			DATE 9/15/65		CODE IDENT NO. 90536	
COMMUNITY CODE			FINISH		SIZE D	
APPLICATION			EQUIPMENT		DWG NO. 7032698	
NEXT ASY			MATERIAL		SCALE	
COMMUNITY CODE			FINISH		WEIGHT	
					SHEET OF	

IDENT NO. 7032698-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INCURRED AGREEMENT:
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UNITS - OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
NUMERICAL IN INCHES: TOLERANCE ON 2 PLACE DECIMALS 3 PLACE DECIMALS 4 PLACE DECIMALS			
MATERIAL			
FINISH			

REVISIONS					
SYM	ZONE	ERR	DESCRIPTION	DATE	APPROVED
A	E13310		INTERCOMPUTER TIME-OUT CHANGE		
B	E13684		INTERCOMPUTER ENABLE		

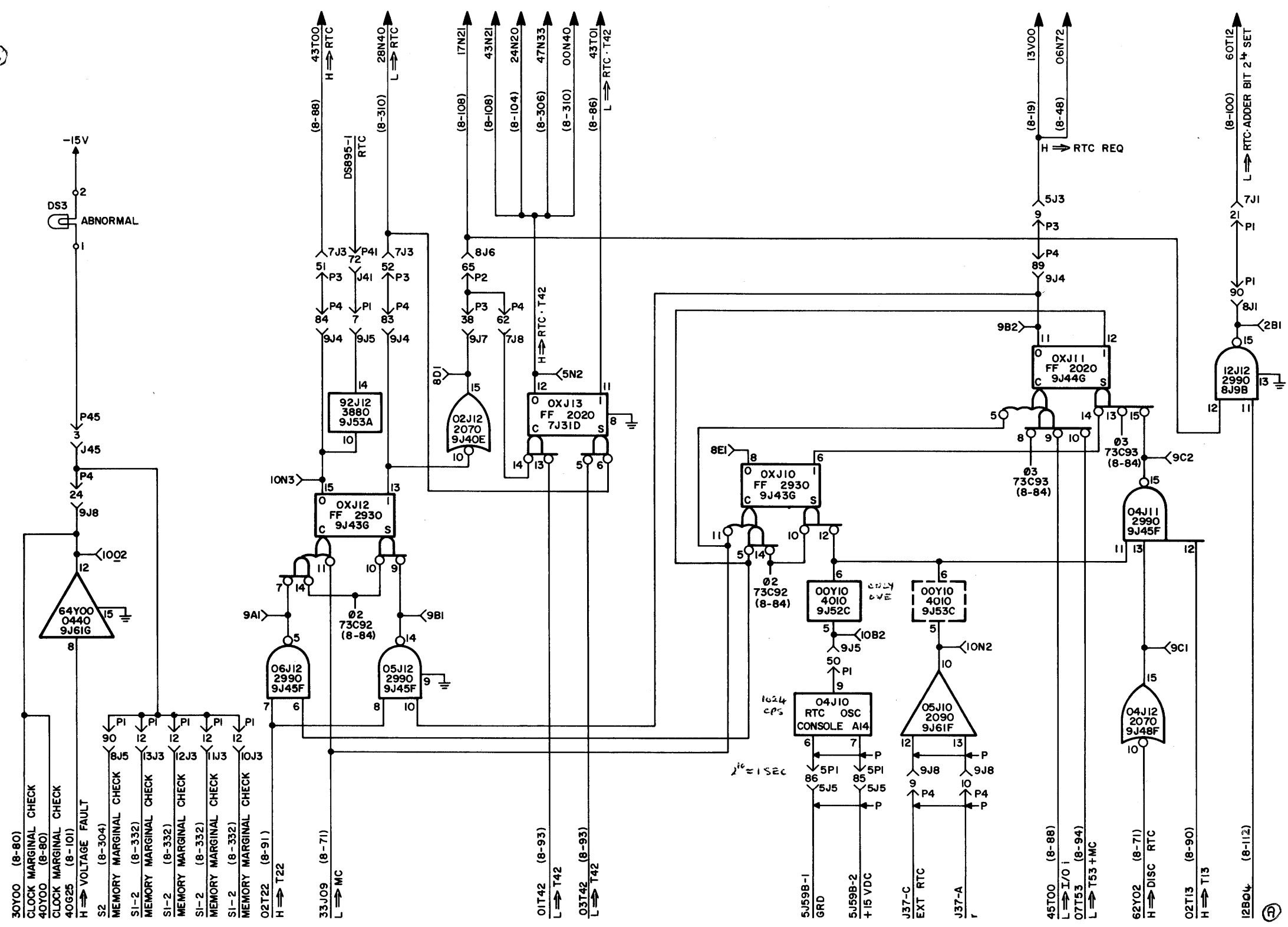


FIGURE 8-75

IDENT NO. 7075170-00

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UNLESS OTHERWISE SPECIFIED		DIMENSION IN INCHES. TOLERANCE ON 3 PLACE DECIMALS		DATE		CLASS	
2 PLACE DECIMALS	±	3 PLACE DECIMALS	±	12-9-66	A		
HOLE DIAMETER TOLERANCE				DRAFTSMAN			
0 THRU .250	± .005	.251 THRU .500	± .010	R.C. PETERSON			
.501 & LARGER	± .015			CHECKER			
THREADS: EXT. CL. 2A, INT. CL. 2B				R.E. STRELNIKS			
MATERIAL				ENGINEER			
				J. LAMBING			
FINISH				APPROVED			
				<i>J. Lambing</i>			
NEXT ASSY		EQUIPMENT		COMMODITY CODE		APPLICATION	

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
						LIST OF MATERIAL

UNIVAC		DIVISION OF SPERRY RAND CORPORATION	
TITLE		FUNCTIONAL SCHEMATIC, RTC & ABNORMAL	
CODE IDENT NO.	SIZE	DWG NO.	
90536	D	7075170	
SCALE	WEIGHT	SHEET 1 OF 1	

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED

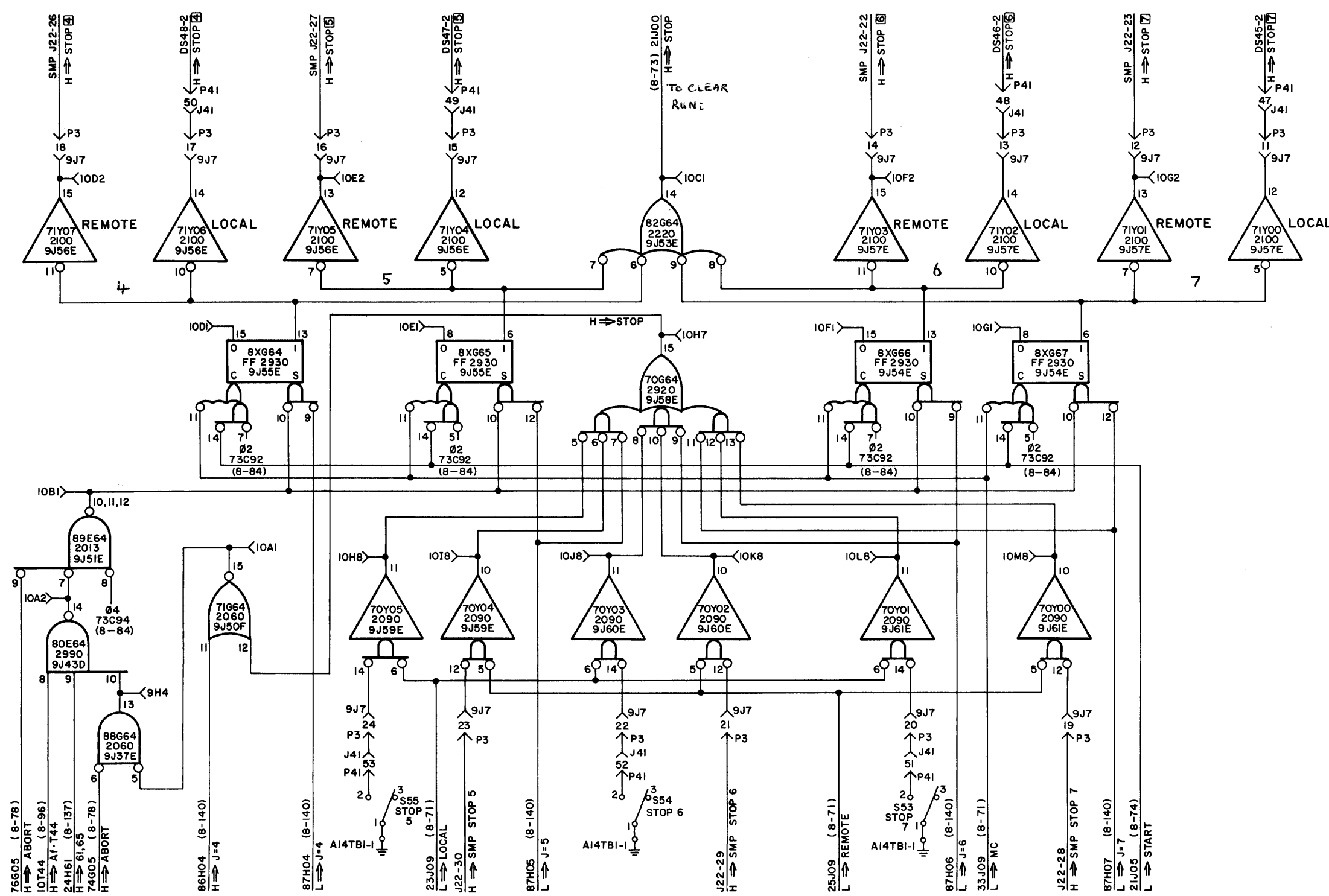


FIGURE 8-76

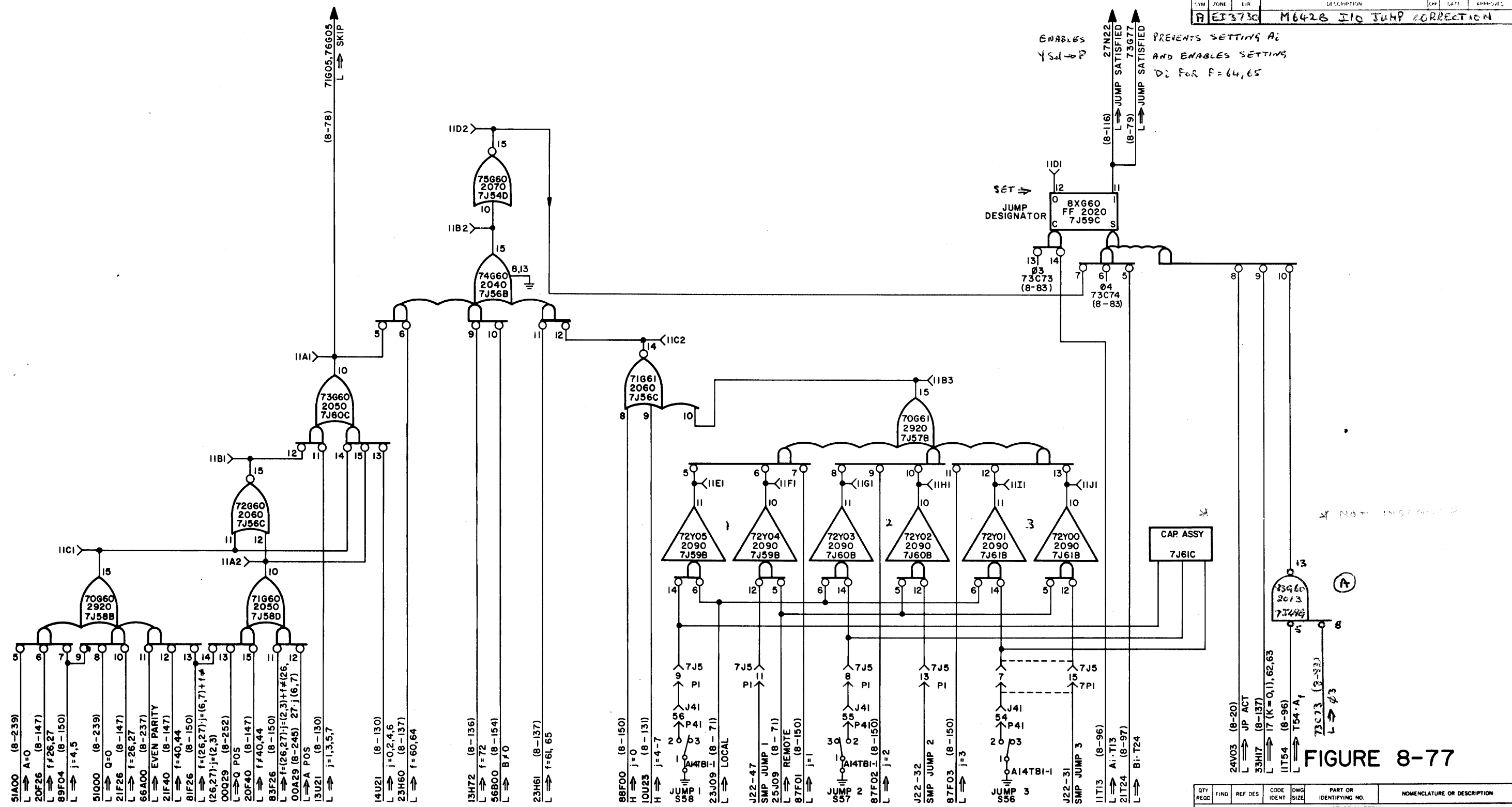
IDENT NO. 7032709-00

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UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE	CLASS	PART OR IDENTIFYING NO.		NOMENCLATURE OR DESCRIPTION	
DIMENSION IN INCHES TOLERANCE ON 2 PLACE DECIMALS ±		3 PLACE DECIMALS ±		5-25-65	A	UNIVAC		DIVISION OF SPERRY RAND CORPORATION	
HOLE DIAMETER TOLERANCE		ANGLES ±				DRAFTSMAN		TITLE	
0 THRU .250 ±.003		.251 THRU .500 ±.005				D. LODGE		FUNCTIONAL SCHEMATIC, PROGRAM STOP CONTROL	
.501 & LARGER ±.010		.001 & LARGER ±.005				CHECKER			
THREADS: EXT. CL 2A, INT. CL 2B		FINISH				B. POPOV			
MATERIAL		APPLICATION				ENGINEER			
NEXT ASSY		EQUIPMENT				G. KREGNESS			
COMMODITY CODE		FINISH				APPROVAL			
						DW		9-15-65	
						CODE IDENT NO.		SIZE	
						90536		D	
						DWG NO.		7032709	
						SCALE		WEIGHT	
								SHEET 1 OF 1	

REVISIONS				
SYM	ZONE	REV	DESCRIPTION	DATE
A	EI373C		M642B I/O JUMP CORRECTION	



ENABLES
Y Set → P

PREVENTS SETTING A_i
AND ENABLES SETTING
D_i FOR F=64,65

* NOT INCLUDED

FIGURE 8-77

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

IDENT NO. 7075171-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE		CLASS	
DIMENSION IN INCHES. TOLERANCE OR 2 PLACE DECIMALS		R.C. PETERSON		12-9-66		A	
± .003		CHECKER		R.E. STRELNIKS		TITLE	
± .005		ENGINEER		J. LAMBING		FUNCTIONAL SCHEMATIC, PROGRAM JUMP CONTROL	
± .010		APPROV		R. J. Lambing		CODE IDENT NO.	
± .015		COMMODITY CODE		5-31-67		SIZE	
± .020		FINISH				D	
HOLE DIAMETER TOLERANCE		MATERIAL		5-31-67		DWG NO.	
0 THRU .250 ±.003						90536	
.251 THRU .500 ±.005						7075171	
.501 THRU 1.000 ±.010						SCALE	
1.001 THRU 2.000 ±.015						WEIGHT	
2.001 THRU 3.000 ±.020						SHEET	
3.001 THRU 4.000 ±.025						OF	
4.001 THRU 5.000 ±.030							
5.001 THRU 6.000 ±.035							
6.001 THRU 7.000 ±.040							
7.001 THRU 8.000 ±.045							
8.001 THRU 9.000 ±.050							
9.001 THRU 10.000 ±.055							
10.001 THRU 12.000 ±.060							
12.001 THRU 15.000 ±.065							
15.001 THRU 20.000 ±.070							
20.001 THRU 25.000 ±.075							
25.001 THRU 30.000 ±.080							
30.001 THRU 40.000 ±.085							
40.001 THRU 50.000 ±.090							
50.001 THRU 60.000 ±.095							
60.001 THRU 70.000 ±.100							
70.001 THRU 80.000 ±.105							
80.001 THRU 90.000 ±.110							
90.001 THRU 100.000 ±.115							
100.001 THRU 125.000 ±.120							
125.001 THRU 150.000 ±.125							
150.001 THRU 200.000 ±.130							
200.001 THRU 250.000 ±.135							
250.001 THRU 300.000 ±.140							
300.001 THRU 400.000 ±.145							
400.001 THRU 500.000 ±.150							
500.001 THRU 600.000 ±.155							
600.001 THRU 700.000 ±.160							
700.001 THRU 800.000 ±.165							
800.001 THRU 900.000 ±.170							
900.001 THRU 1000.000 ±.175							
OVER 1000.000 ±.180							
THREADS: EX. CL 2A, INT CL 2B							

REVISIONS					
SYM	ZONE	ERR	DESCRIPTION	DATE	APPROVED
A	3799		PREVENT ERRONEOUS ABORT		
B	0092		ABORT MOD		

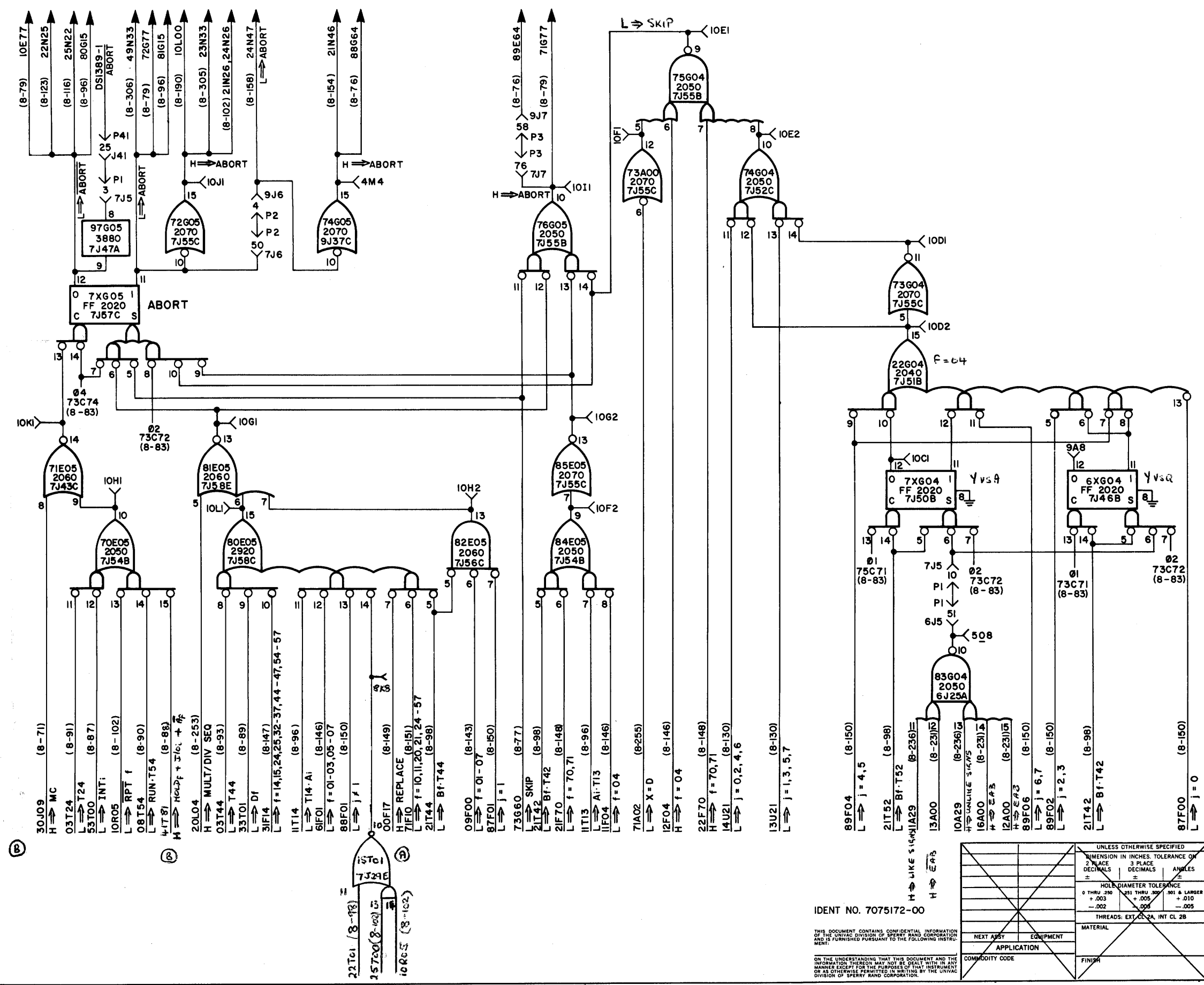


FIGURE 8-78

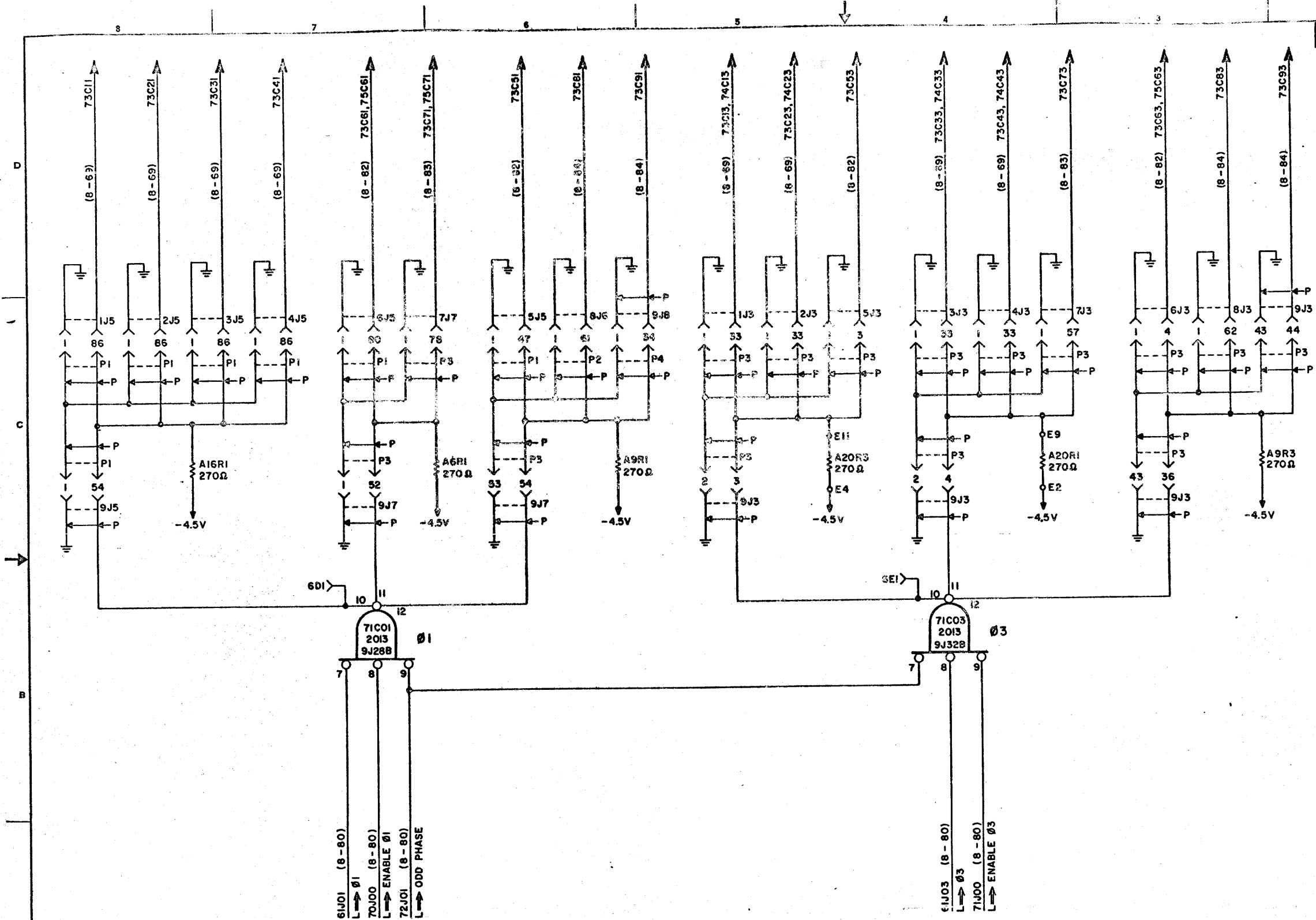
QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNIVAC						
DIVISION OF SPERRY RAND CORPORATION						
DRAFTSMAN R.C. PETERSON			DATE 12-9-66		TITLE FUNCTIONAL SCHEMATIC, ABORT LOGIC	
CHECKER R.E. STRELNIEKS			DATE 3-31-67		ENGINEER J. LAMBING	
APPROVAL <i>J. Lambing</i>			DATE 3-31-67		CODE IDENT NO. 90536	
COMMODITY CODE			FINISH		SIZE D	
APPLICATION			MATERIAL		DWG NO. 7075172	
NEXT ASBY			EQUIPMENT		SCALE	
FINISH			WEIGHT		SHEET 1 OF 1	

IDENT NO. 7075172-00

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REVISIONS						
ZONE	LTR	EIR	DESCRIPTION - FOR DETAILS SEE EIR	CHK	DATE	APPROVED



61J01 (8-80)
 L → Ø1
 70J00 (8-80)
 L → ENABLE Ø1
 72J01 (8-80)
 L → ODD PHASE

61J03 (8-80)
 L → Ø3
 71J00 (8-80)
 L → ENABLE Ø3

FIGURE 8-81A

IDENT NO. 7084753-00

UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES TOL. ON 2 PLACE 3 PLACE ANGLES DECIMALS DECIMALS + - + - HOLE DIA. TOL. 0 THRU .250 .251 THRU .500 .501 AND LARGER + .003 + .003 + .010 - .002 - .003 - .005 THREADS: EXT. CL 2A, INT. CL 2B COMMODITY CODE	LAYOUT	DATE	CLASS
	DRAFTSMAN E. MILLER	10-10-68	A
	CHECKER M. SHULSTAD	RES 10-16-68	
	ENGINEER R. CURRIE	RJC 11-5-68	
APPROVAL S.C. Olson			
TITLE		SIZE	CODE IDENT.
FUNCTIONAL SCHEMATIC, MASTER CLOCK DISTRIBUTION ODD PHASES		D	90536
DWG NO.		DWG NO.	
7084753		7084753	
SCALE	WEIGHT	SHEET 1 OF 1	

DO NOT SCALE THIS PRINT

DWG. NO. 7084753

REVISIONS			
ZONE	LTR	EIR	DESCRIPTION - FOR DETAILS SEE EIR
47	3508		COMPUTER TIMING CORRECTION

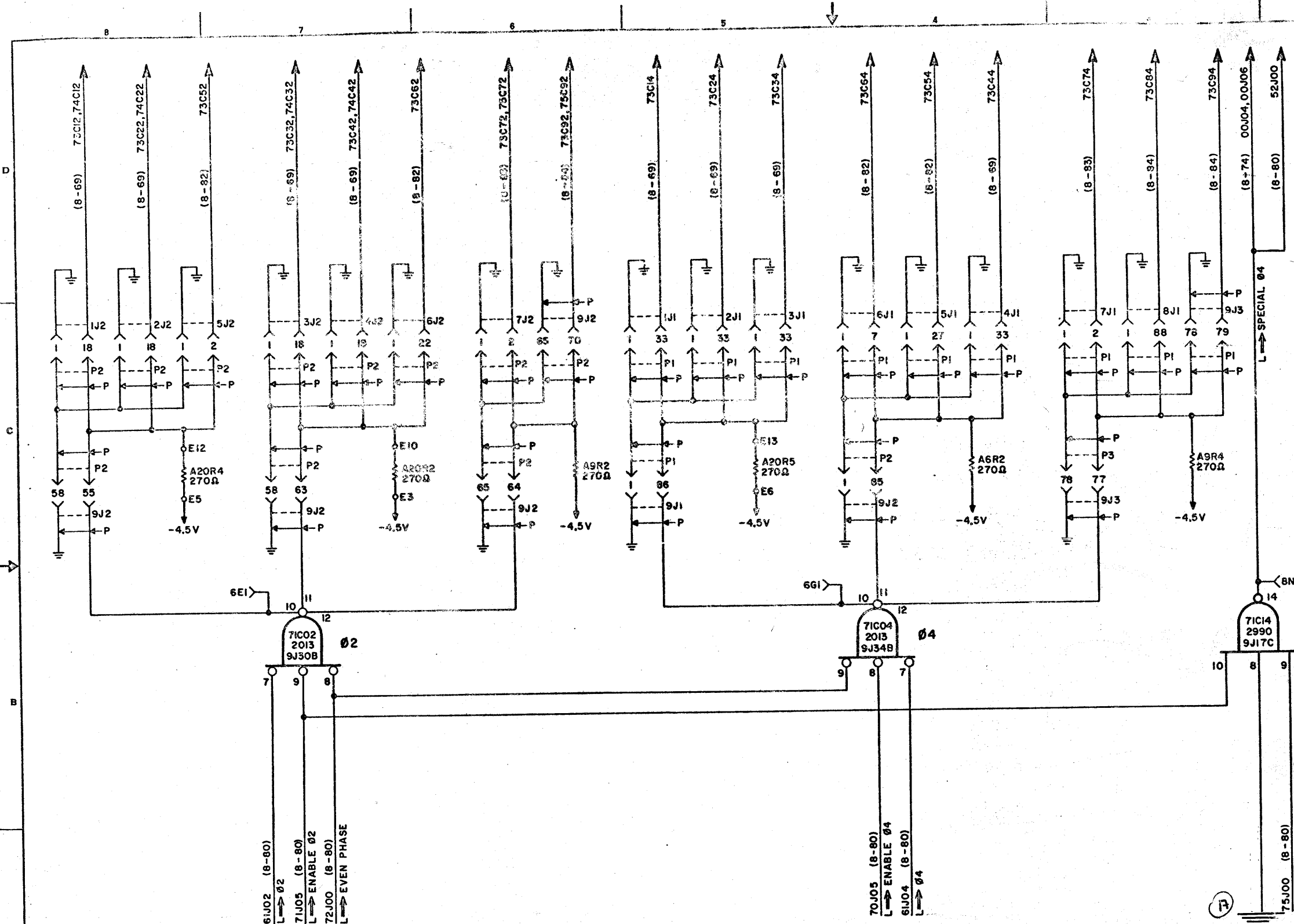


FIGURE 8-81B

IDENT NO. 7084754-00

UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES TOL ON 2 PLACE 3 PLACE ANGLES DECIMALS DECIMALS + - HOLE DIA. TOL 0 THRU .251 THRU .501 AND LARGER .250 +.003 - .002 + .005 + .010 - .003 THREADS: EXT. CL 2A, INT. CL 2B COMMODITY CODE	LAYOUT	DATE	CLASS	UNIVAC DEFENSE SYSTEMS DIVISION DIVISION OF SPERRY RAND CORPORATION UNIVAC PARK, ST. PAUL, MINN. 55116
	DRAFTSMAN E. MILLER	10-10-68	A	
	CHECKER M. SHULSTAD	10-16-68		
	ENGINEER R. CURRIE	11-5-68		
APPROVAL J.C. Olson		11-5-68		TITLE FUNCTIONAL SCHEMATIC, MASTER CLOCK DISTRIBUTION EVEN PHASES
				SIZE CODE IDENT. NO. DWG NO. D 80536 7084754
				SCALE WEIGHT SHEET 1 OF 1

DO NOT SCALE THIS PRINT

DWG. NO. 7084754 B

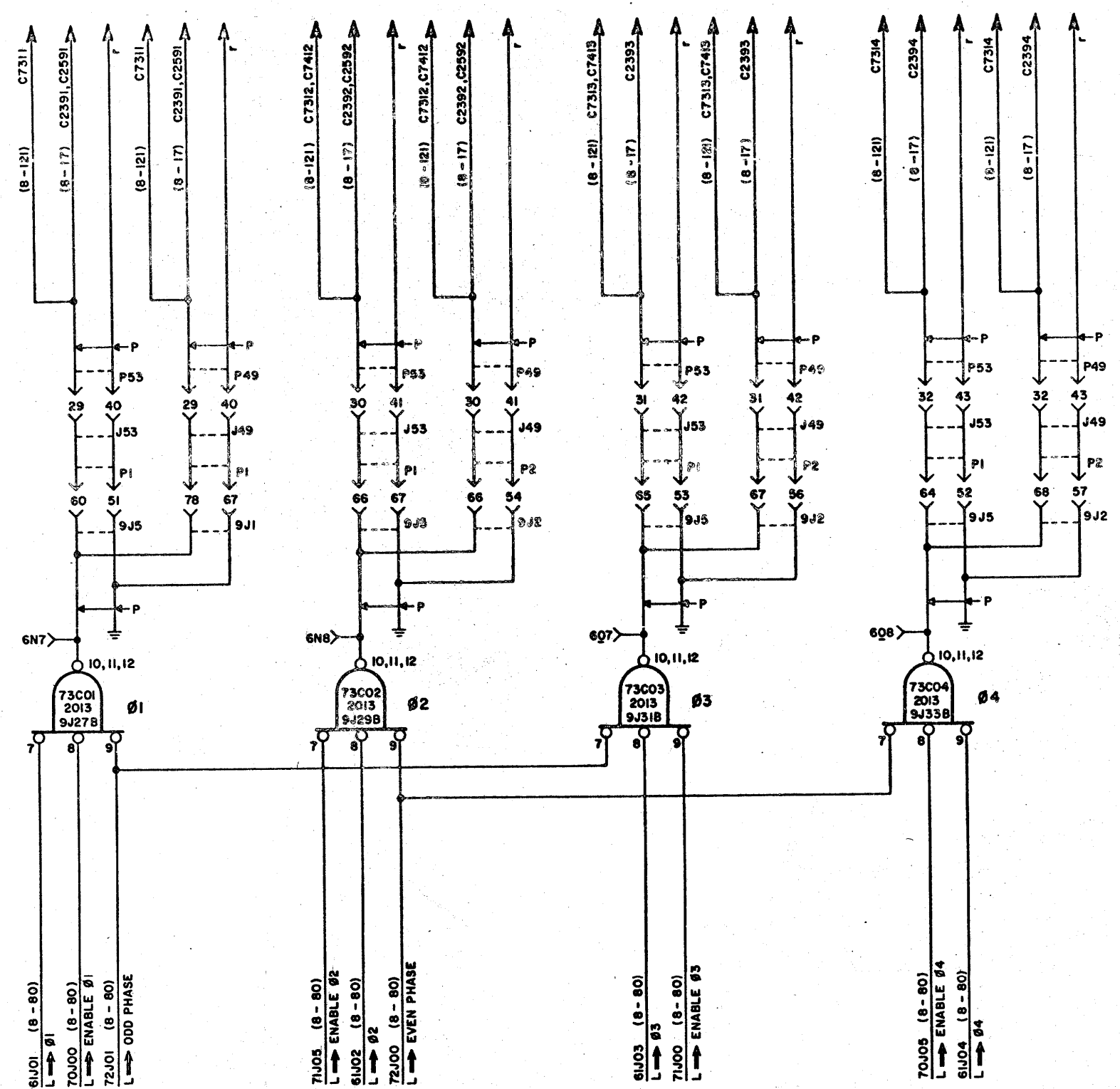


FIGURE 8-81C

IDENT NO. 7084755-00

UNLESS OTHERWISE SPECIFIED, DIMENSIONS IN INCHES TOL. ON 2 PLACE DECIMALS 3 PLACE DECIMALS ANGLES + .003 - .002	LAYOUT	DATE	CLASS	UNIVAC DEFENSE SYSTEMS DIVISION <small>DIVISION OF SHERY RAND CORPORATION UNIVAC PARK, ST. PAUL, MINN. 55118</small>
		10-11-68	A	
HOLE DIA. TOL. 0 THRU .251 X THRU .501 AND LARGER + .003 - .002	ENGINEER R. CURRIE	CHECKER M. SHULSTAD	TITLE FUNCTIONAL SCHEMATIC, MASTER CLOCK DISTRIBUTION TO EMU	SIZE D
THREADS: EXT. CL 2A, INT. CL 2B COMMODITY CODE	APPROVAL <i>LC Olson</i>		NO. IDENT. S0333	DWG NO. 7084755
			SCALE	WEIGHT

DO NOT SCALE THIS PRINT

SHEET 1 OF 1

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A	3508		COMPUTER TRUNK CORRECTION			
B						

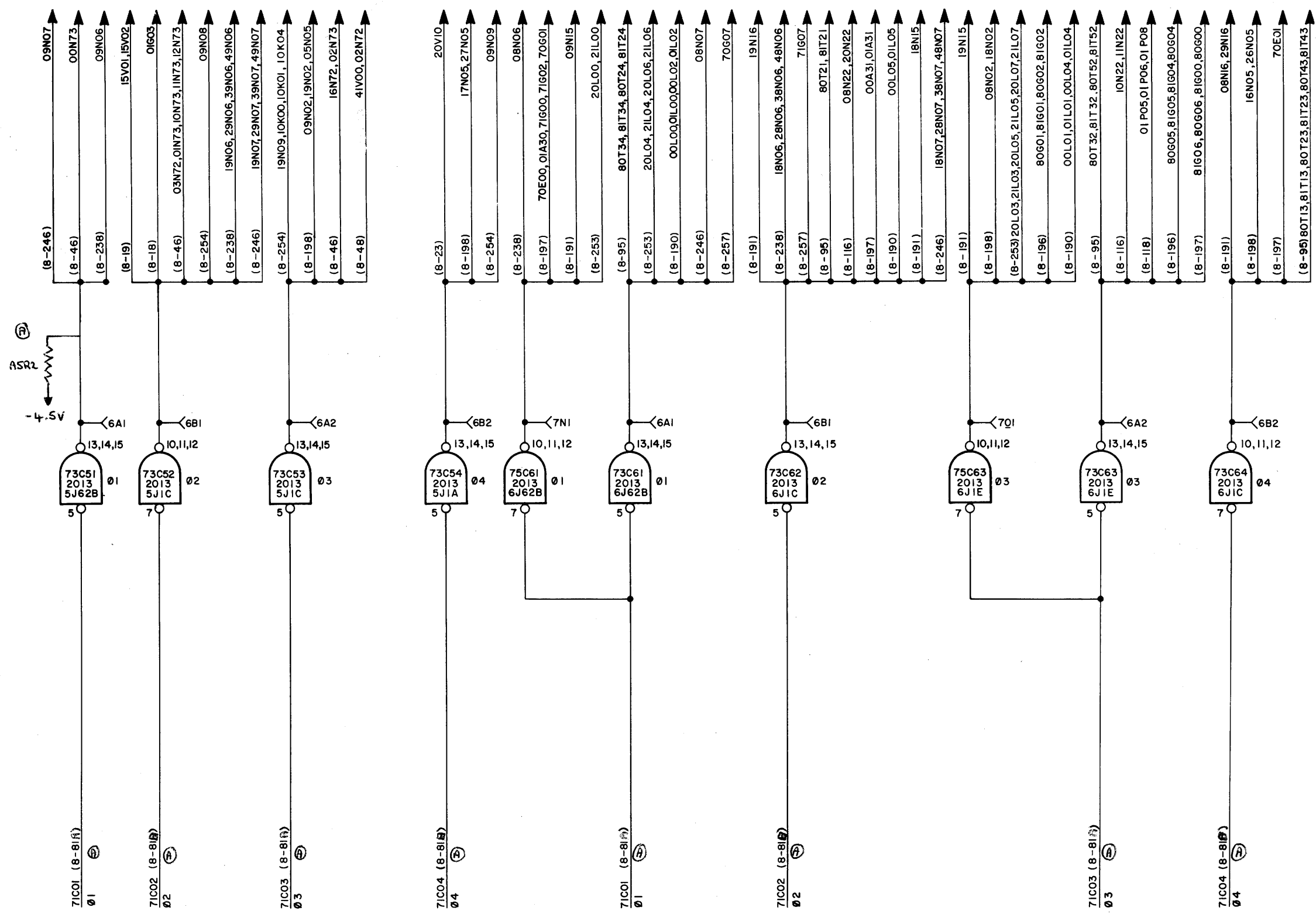


FIGURE 8-82

QTY	FIND	REF	DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	
LIST OF MATERIAL								
				CLASS	UNIVAC			
				DATE	DIVISION OF SPERRY RAND CORPORATION			
				DRAFTSMAN	TITLE			
				R.C. PETERSON	FUNCTIONAL SCHEMATIC, CLOCK DISTRIBUTION CHASSIS 5 & 6			
				CHECKER	CODE IDENT NO.			
				R.E. STRELNEKS	SIZE			
				ENGINEER	DWG NO.			
				D. HAIR	90536 D 7075175			
				APPROVAL	SCALE			
				<i>[Signature]</i>	WEIGHT			
					SHEET OF			

IDENT NO. 7075175-00

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UNLESS OTHERWISE SPECIFIED		
DIMENSION IN INCHES	TOLERANCE ON 2 PLACE DECIMALS	
±	±	ANGLES
HOLE DIAMETER TOLERANCE		
0 THRU .250	.251 THRU .500	.501 & LARGER
+ .003	+ .005	+ .010
-.002	-.003	-.005
THREADS: EXT. CL. 2A, INT. CL. 2B		
MATERIAL	FINISH	
APPLICATION	COMMODITY CODE	

REVISIONS			
SYM	ZONE	EIR	DESCRIPTION
A	E13314		EXT I/O FIF CORRECTION
B	E13317		EXT INT HOLD ACTIVE FIF MOD
C	E13375		5 Part 642B EMU INTERFACE MOD
D	E13730		1642B I/O JUMP CORRECTION
E	3508		COMPUTER TIMING CORRECTION

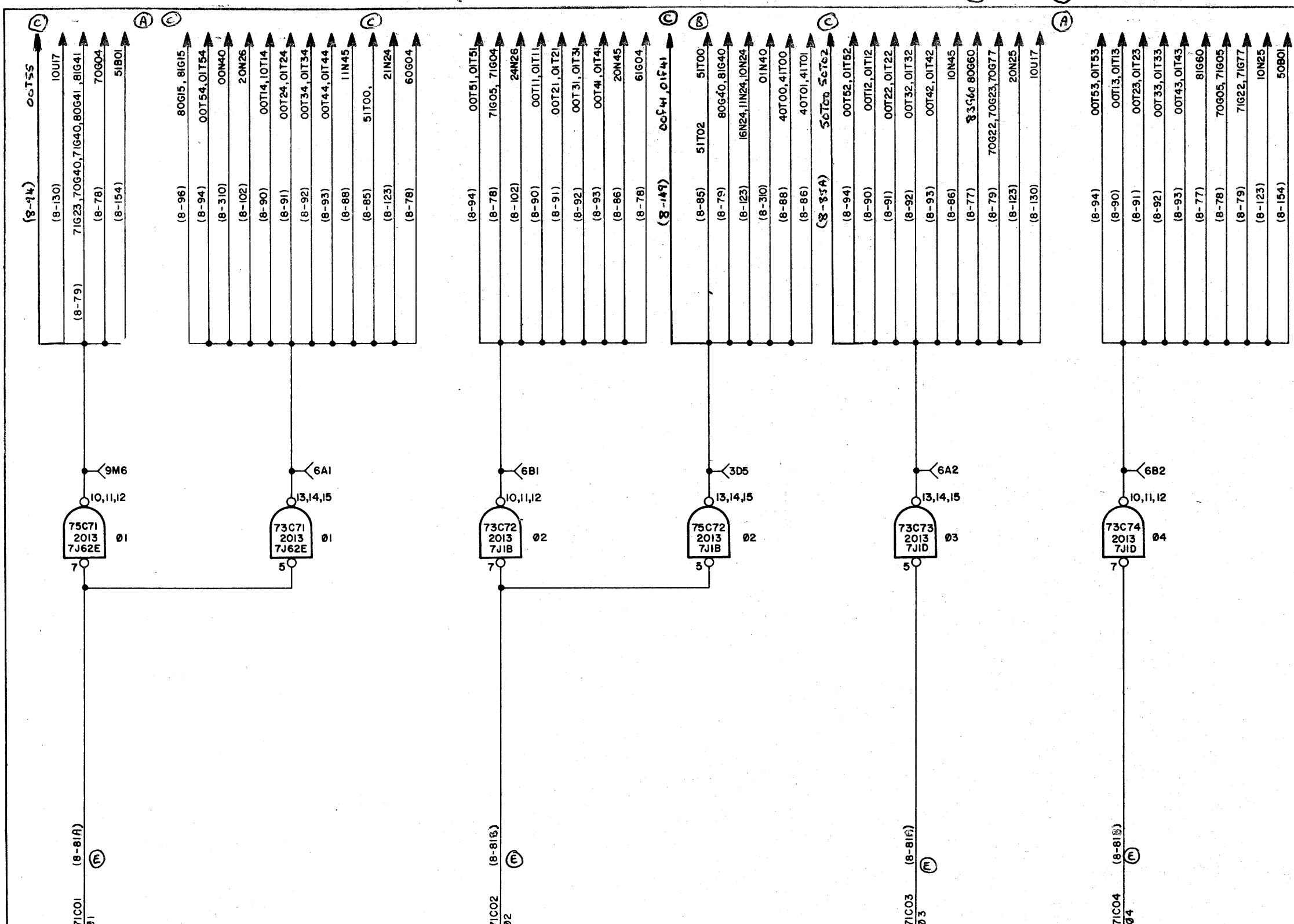


FIGURE 8-83

QTY	FIND	REF DES	CODE	QTY	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

UNLESS OTHERWISE SPECIFIED		LAYOUT	DATE	CLASS	A	UNIVAC DIVISION OF SPERRY RANG CORPORATION
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS ± 0.005			12-10-6			
DIMENSION IN INCHES. TOLERANCE ON 3 PLACE DECIMALS ± 0.002		DRAFTSMAN		TITLE	FUNCTIONAL SCHEMATIC, CLOCK DISTRIBUTION CHASSIS 7	
HOLE DIAMETER TOLERANCE		CHECKER				
0 THRU .250 ± .003		ENGINEER				
.251 THRU .500 ± .002		APPROVED				
.501 & LARGER ± .010						
THREADS: EXT. CL. 2A, INT. CL. 2B						
MATERIAL					CODE IDENT NO.	SIZE
FINISH					90536	D
NEXT ASSY					DWG NO.	7075176
EQUIPMENT					SCALE	WEIGHT
APPLICATION						SHEET 1 OF 1
COMMENTS (C/D)						

IDENT NO. 7075176-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RANG CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING AGREEMENT:
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REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED
A	E13316		HOLD TIMEOUT MOD	
B	3508		COMPUTER TIMING CORRECTION	
C	4002		CDM9E1 STATUS LOGIC CORRECTION	
D	4166		EMU HOLD TIME OUT MOD.	

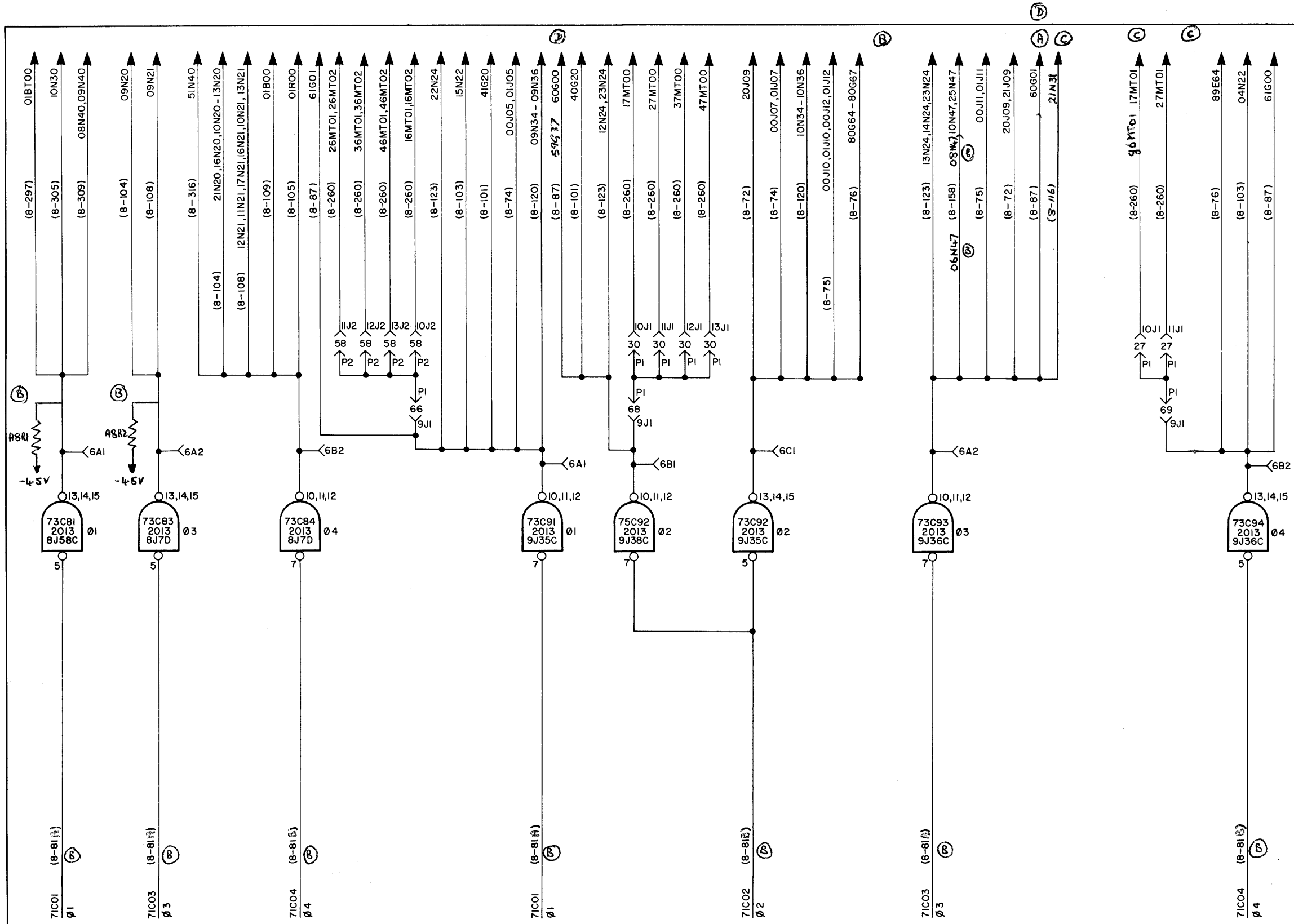


FIGURE 8-84

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL							
							UNIVAC DIVISION OF SPERRY RAND CORPORATION
							FUNCTIONAL SCHEMATIC, CLOCK DISTRIBUTION CHASSIS 8 & 9
CLASS		DATE		DRAWN		TITLE	
A		12-10-66		R. C. PETERSON			
DRAFTSMAN		CHECKER		ENGINEER			
R. C. PETERSON		R. E. STRELNIEKS		D. HAIR			
APPROVAL		DATE		DATE			
[Signature]		3-31-67		5-31-67			
CODE IDENT NO.		SIZE		DWG NO.			
90536		D		7075177			
SCALE		WEIGHT		SHEET		OF	

IDENT NO. 7075177-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:
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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES. TOLERANCE ON	
2 PLACE DECIMALS	± .005
3 PLACE DECIMALS	± .002
ANGLES	± .005
HOLE DIAMETER TOLERANCE	
0 THRU .250	± .005
.251 THRU .500	± .002
.501 & LARGER	± .010
THREADS: EXT. CL 2A, INT. CL 2B	
MATERIAL	
FINISH	

REVISIONS						
ZONE	LTR	EIR	DESCRIPTION - FOR DETAILS SEE EIR	CHK	DATE	APPROVED
A	E13375		5 PART 642 B HD INTERFACE MOD			
B	3557A		CMR IIC-110 INTERRUPT CORRECTION			

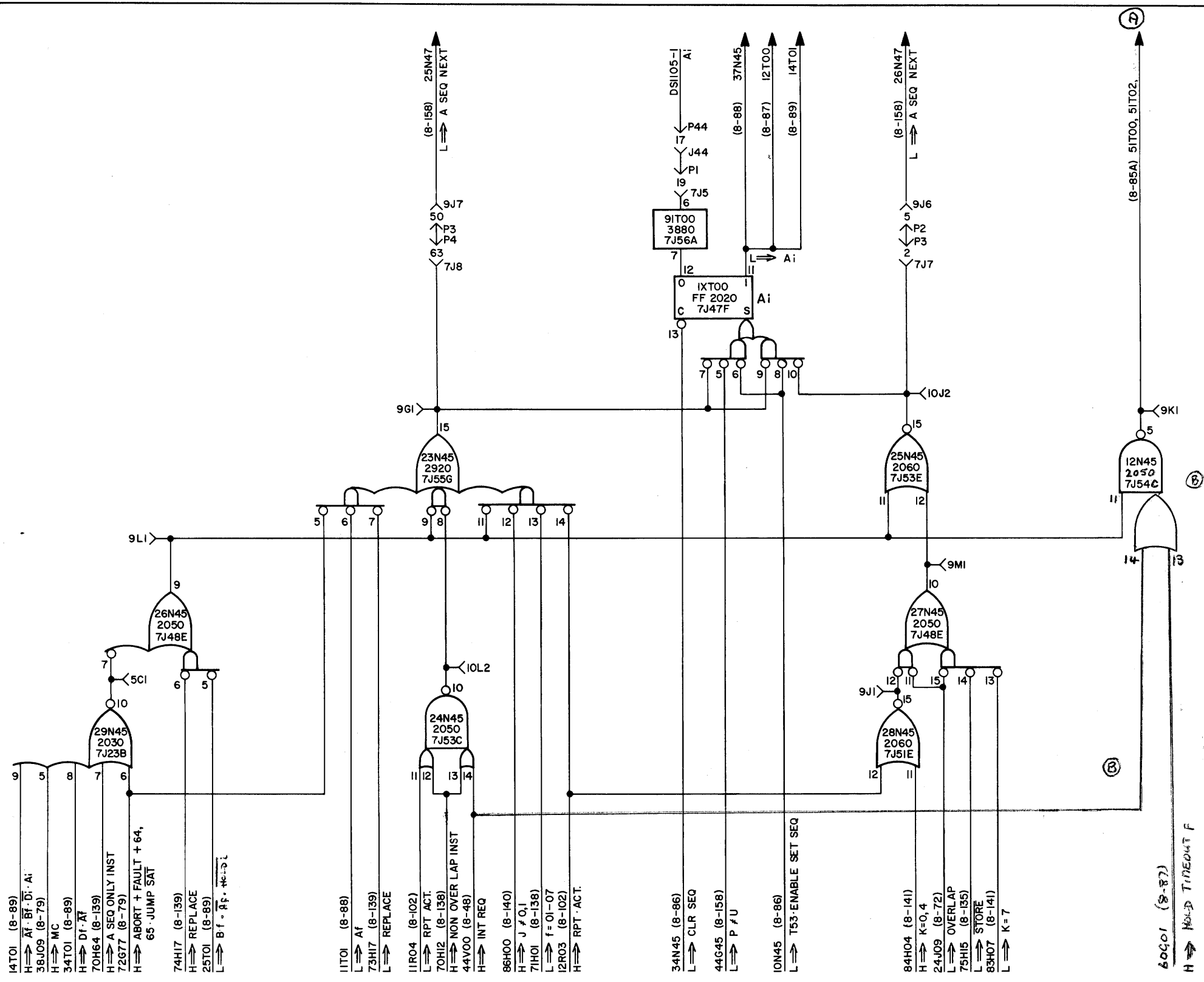


FIGURE 8-85

IDENT NO. 7075178-00

UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES TOL. ON 2 PLACE 3 PLACE ANGLES DECIMALS DECIMALS + + + - - - HOLE DIA. TOL. 0 THRU .251 THRU .501 AND LARGER +.003 +.005 +.010 -.002 -.003 -.005 THREADS: EXT. CL 2A, INT CL 2B COMMODITY CODE	LAYOUT	DATE	CLASS	UNIVAC DEFENSE SYSTEMS DIVISION <small>DIVISION OF SPERRY RAND CORPORATION UNIVAC PARK, ST. PAUL, MINN. 55116</small> TITLE FUNCTIONAL SCHEMATIC, SEQUENCER INITIAL I SIZE D CODE IDENT. NO. 90536 DWG NO. 7075178 SCALE WEIGHT SHEET 1 OF 1
	DRAFTSMAN E. BICKETT	12/2/66	A	
	CHECKER B. POPOV	BP	3-31-67	
	ENGINEER D. HAIR	DH	3-31-67	

REVISIONS				
ZONE	LTR	EIR	DESCRIPTION - FOR DETAILS SEE EIR	CHK DATE APPROVED
A	E13215		EMU CHANNEL PRIORITY CHANGE	
B	E13317		EXT INT HOLD ACTIVE FIF MOD	
C	E13375		S PART 6426 EMU INTERFALE MOD	

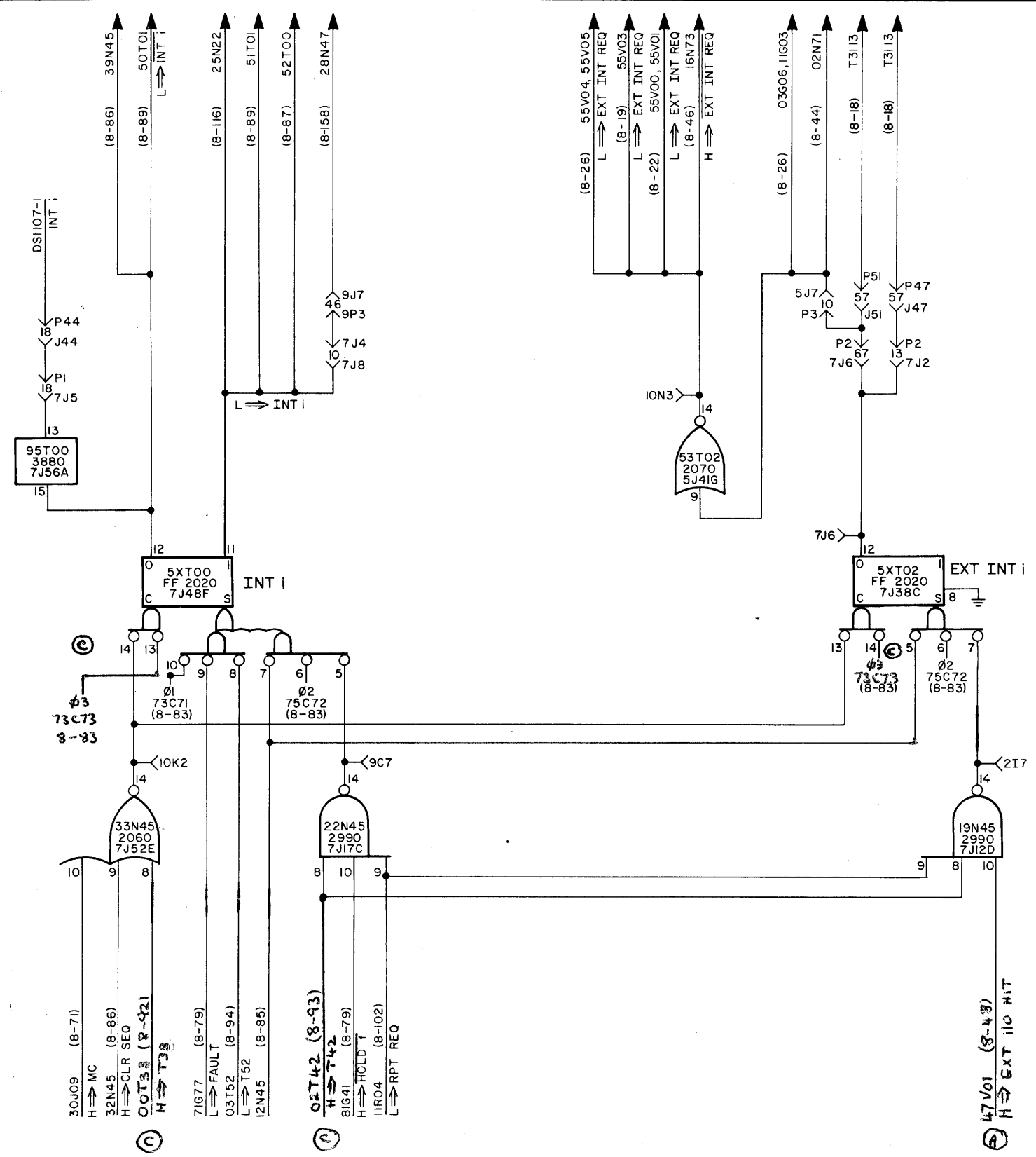


FIGURE 8-85A

IDENT NO. 7075239-00

UNLESS OTHERWISE SPECIFIED		LAYOUT	DATE	CLASS	UNIVAC DEFENSE SYSTEMS DIVISION	
DIMENSIONS IN INCHES TOL. ON		DRAFTSMAN	12-5-66	A	DIVISION OF SPERRY RAND CORPORATION UNIVAC PARK, ST. PAUL, MINN. 55118	
2 PLACE	3 PLACE	G.S. WHEBBE			TITLE	
DECIMALS	DECIMALS	CHECKER			FUNCTIONAL SCHEMATIC,	
+	+	B. POPOV	3-31-67		SEQUENCER INITIAL IA	
0 THRU	.251 THRU	ENGINEER			SIZE	CODE IDENT.
.250	.500	D. FREE	3-31-67		D	NO. 90536
+ .003	+ .005	APPROVAL			DWG NO.	7075239
- .002	- .003				SCALE	WEIGHT
HOLE DIA. TOL.				SHEET 1		OF 1
THREADS: EXT. CL 2A, INT. CL 2B						
COMMODITY CODE						

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVED
A	E12621		SR 110 CORRECTION		
B	0092		ABORT MOD		

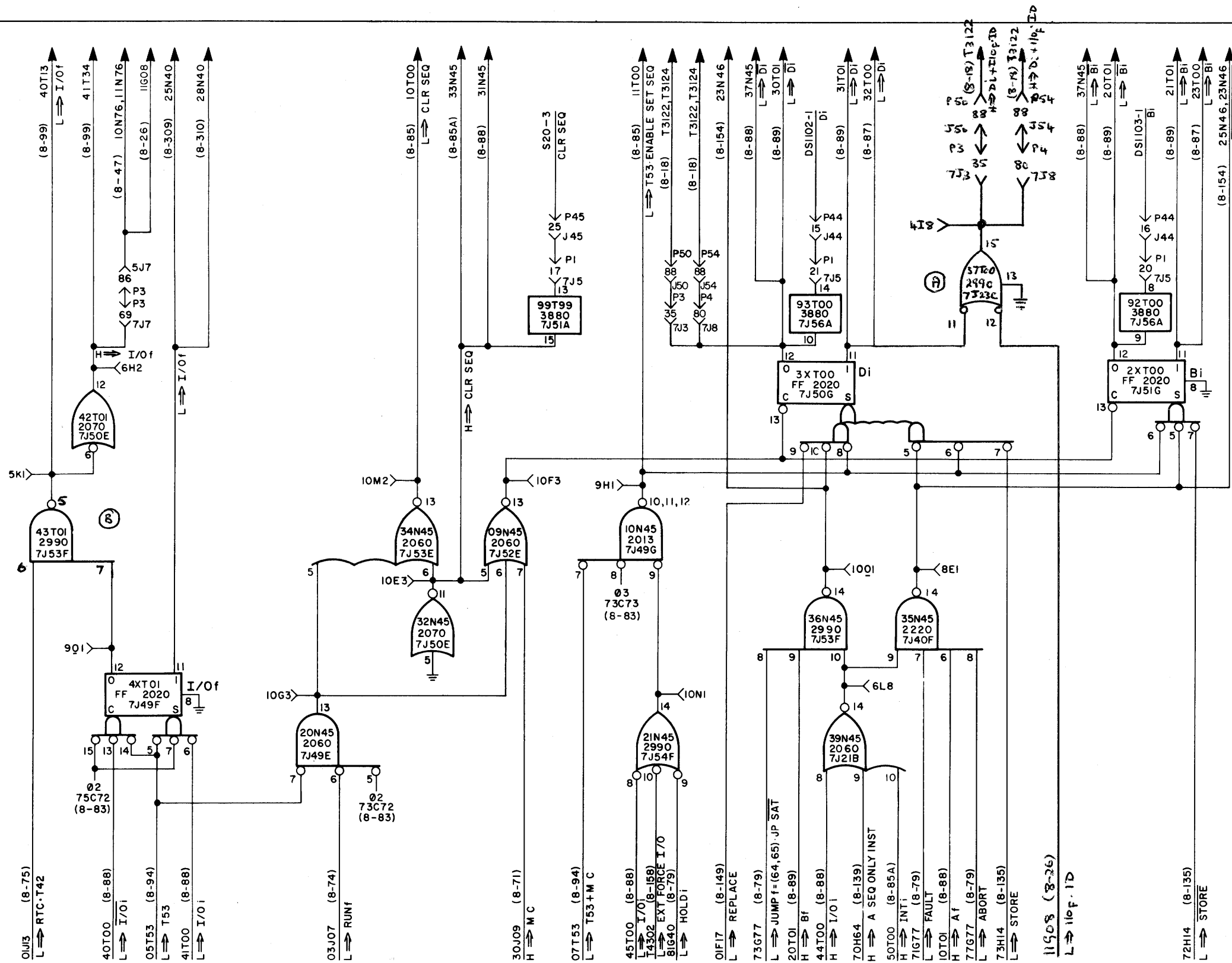


FIGURE 8-86

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL							
UNLESS OTHERWISE SPECIFIED				LAYOUT		DATE	
DIMENSION IN INCHES. TOLERANCE OF				CLASS		CLASS	
2 PLACE DECIMALS				E. BICKETT		12-12-66	
3 PLACE DECIMALS				CHECKER		3-31-67	
ANGLES				B. POPOV		3-31-67	
HOLE DIAMETER TOLERANCE				ENGINEER		3-31-67	
0 THRU .390 +.003				D. HAIR		3-31-67	
.391 THRU .500 +.003				APPROVAL			
.501 & LARGER +.010							
THREADS: EX. CL. 2A, INT. CL. 2B							
MATERIAL							
FINISH							
NEXT ASSY							
EQUIPMENT							
APPLICATION							
COMMODITY CODE							
IDENT NO. 7075179-00							
THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT.							
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CODE IDENT NO.		SIZE		DWG NO.			
90536		D		7075179			
SCALE		WEIGHT		SHEET		OF 1	

REVISIONS						
ZONE	LTR	EIR	DESCRIPTION -- FOR DETAILS SEE EIR	CHK	DATE	APPROVED
A	E13316		HOLD TIMEOUT MOD			
B	E13319		SR110 STORAGE AND TP CORRECTION			
C	E13465		HOLD B FINAL MOD			
D	3747		PREVENT ERRONEOUS ABORT			
E	4166		EMU HOLD TIMEOUT MOD			
F	3557A		CMP IC T10 INTERRUPT CORRECTION			
G	4270		HOLD TIMEOUT CORRECTION			
H	0209		642/EMU CONFLICT CHANGE			
J	0091		HOLD FINAL TIMING MOD.			

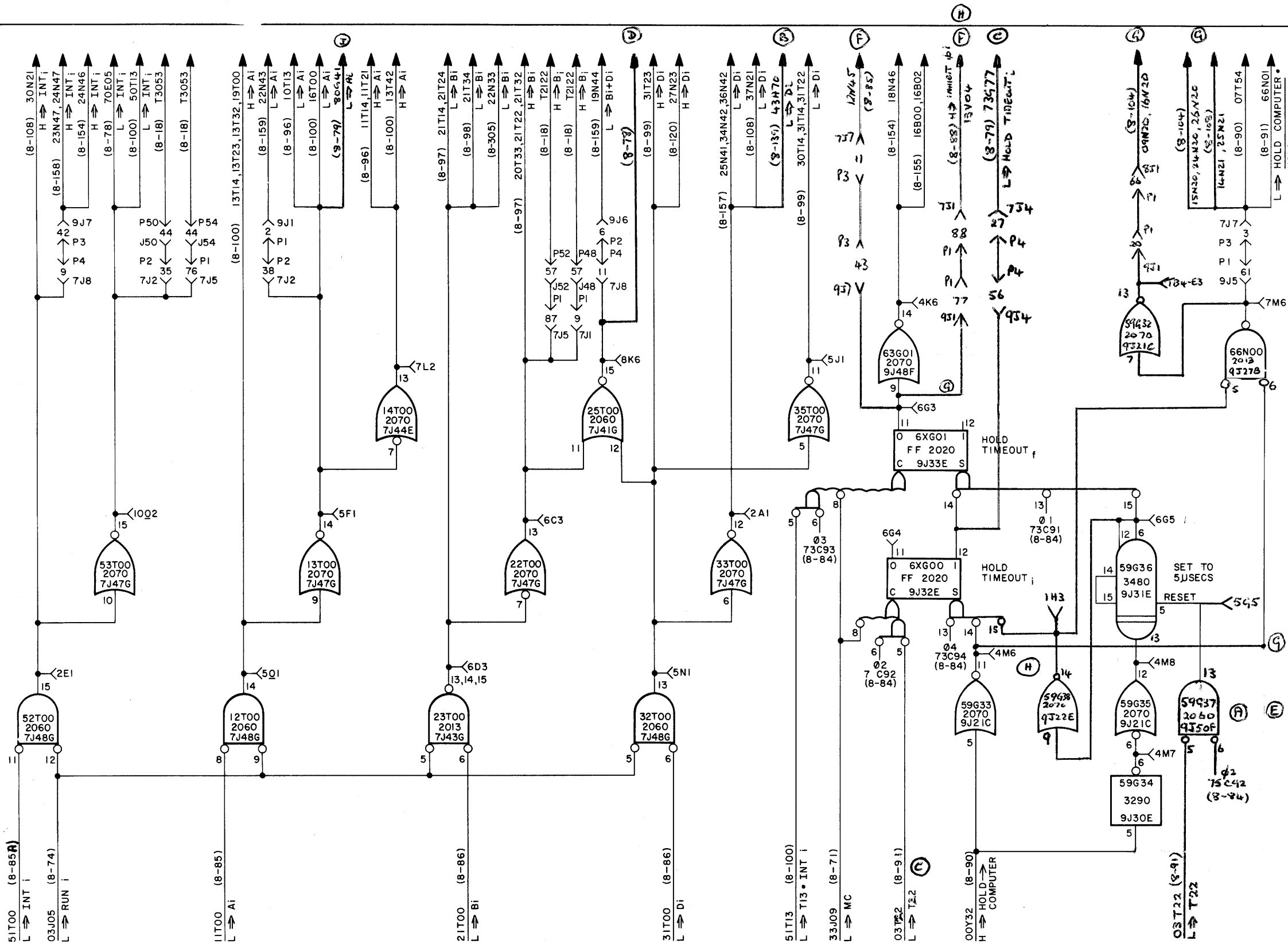


FIGURE 8-87

IDENT NO. 7075180-00

UNLESS OTHERWISE SPECIFIED, DIMENSIONS IN INCHES TOL. ON 2 PLACE 3 PLACE ANGLES DECIMALS DECIMALS	LAYOUT	DATE	CLASS	UNIVAC DEFENSE SYSTEMS DIVISION	
	DRAFTSMAN D. RADCLIFFE	12-15-67	A	DIVISION OF SPERRY RAND CORPORATION UNIVAC PARK, ST. PAUL, MINN. 55116	
HOLE DIA. TOL. 0 THRU .250 THRU .501 AND LARGER + .003 + .005 + .010 - .002 - .003 - .005	CHECKER R. NEWMAN		TITLE	FUNCTIONAL SCHEMATIC, SEQUENCER, INITIAL DISTRIBUTION	
THREADS: EXT. CL 2A, INT. CL 2B COMMODITY CODE	ENGINEER D. HAIR		SIZE	CODE IDENT. NO. 90536	DWG NO. 7075180
	APPROVAL <i>[Signature]</i>		SCALE	WEIGHT	SHEET 1 OF 1

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED
A	E13375		SPART 642B EHM INTERFACE MOD	
B	E13396		COMPUTER I/O MOD	
C	4166		EHM HOLD TIME OUT	
D	0209		6421 EHM CONFLICT CHANGE	
E	0092		ABORT MOD	

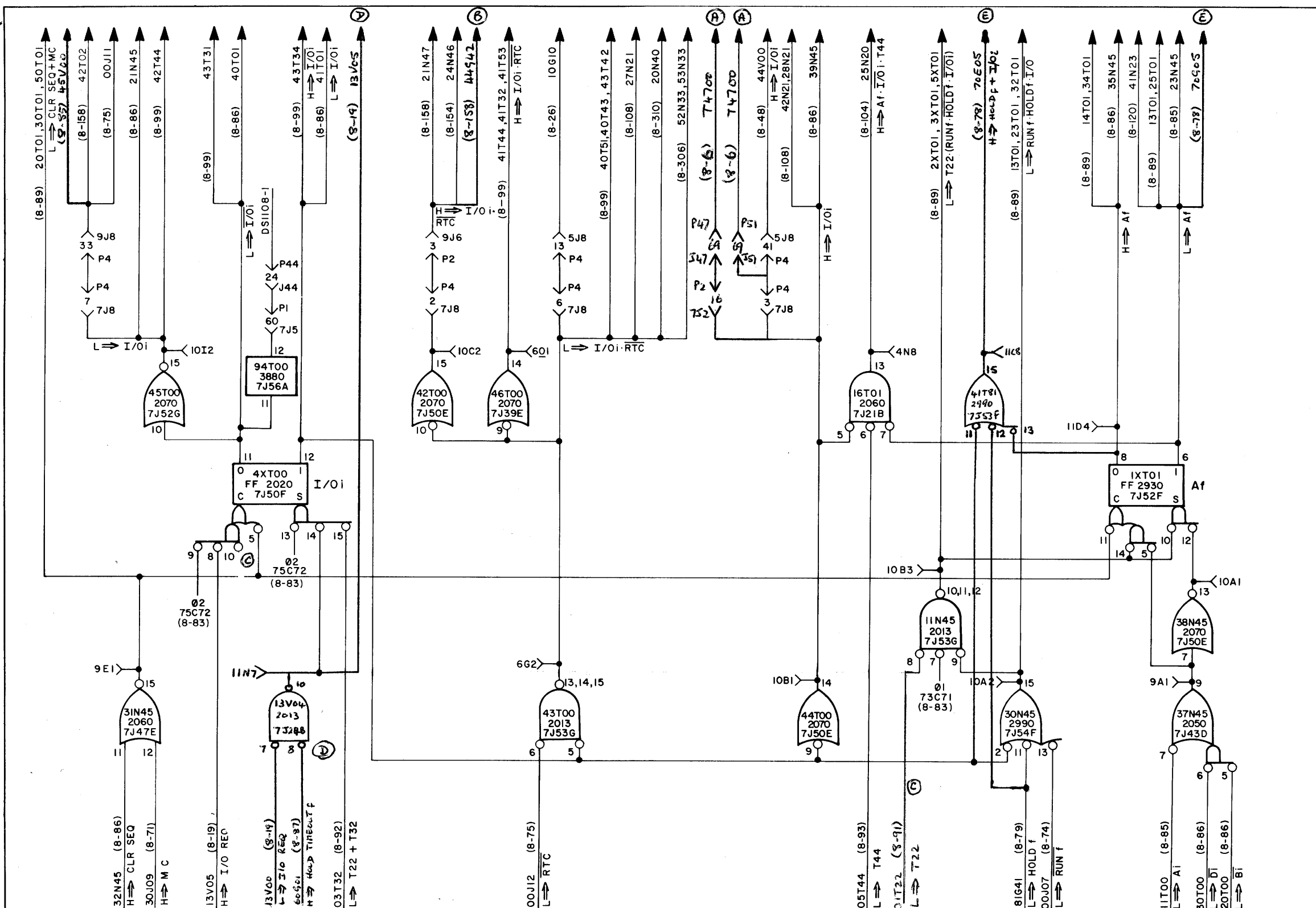


FIGURE 8-88

IDENT NO. 7075181-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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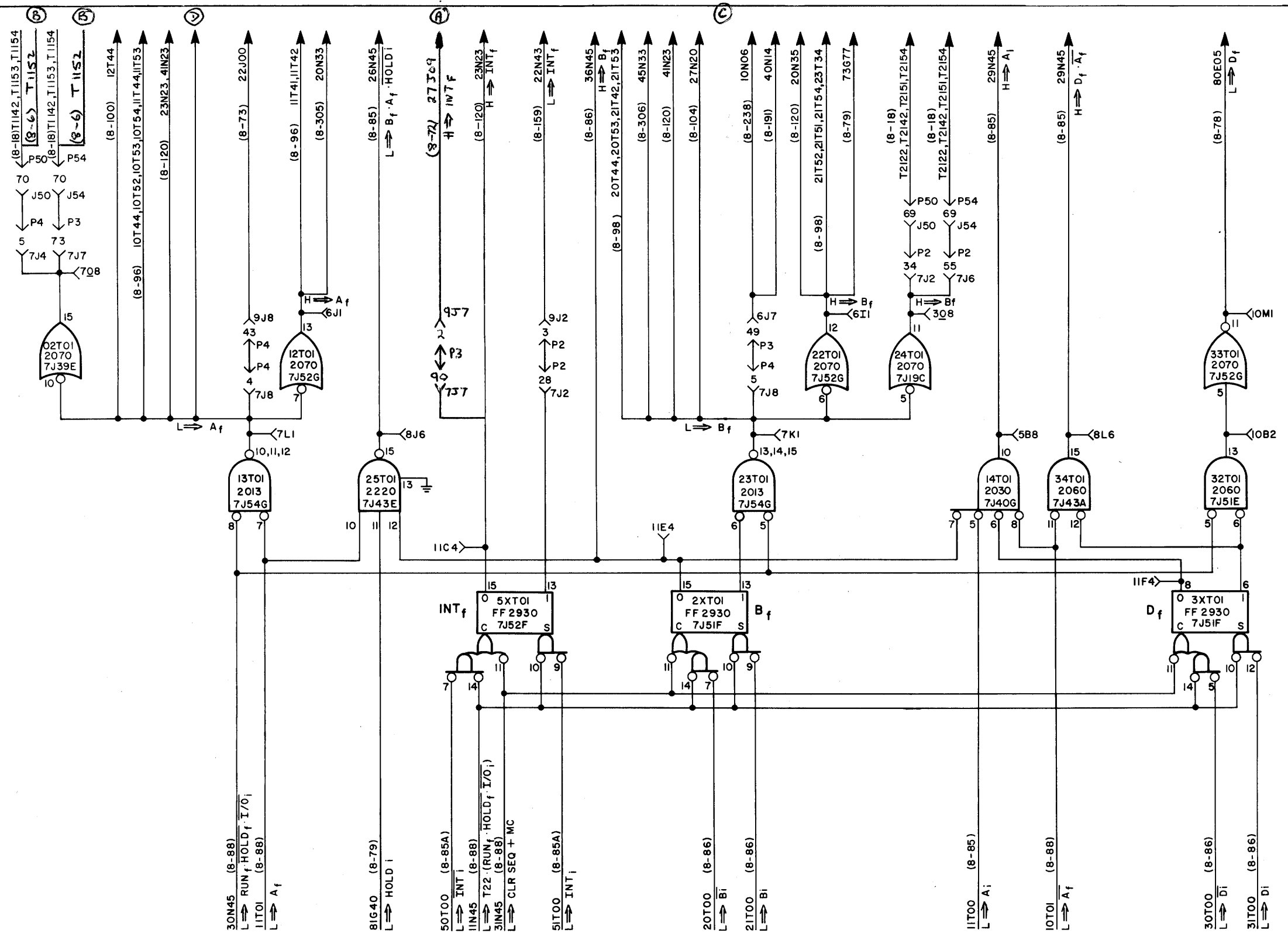
UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES TOLERANCE ON 2 PLACE DECIMALS	± .005
DIMENSION IN INCHES TOLERANCE ON 3 PLACE DECIMALS	± .001
HOLE DIAMETER TOLERANCE	
0 THRU .250	± .005
.251 THRU .500	± .005
.501 & LARGER	± .010
THREADS: EXT. CL 2A, INT. CL 2B	
MATERIAL	FINISH

QTY	FIND	REF	DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

CLASS	DATE	CLASS	DATE
A	12-10-67	A	3-31-67

DRAFTSMAN	R. C. PETERSON
CHECKER	B. POPOV
ENGINEER	D. HAIR
APPROVAL	<i>[Signature]</i>

TITLE	FUNCTIONAL SCHEMATIC, SEQUENCER FINAL I
CODE IDENT NO.	90536
SIZE	D
DWG NO.	7075181
SCALE	WEIGHT



REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A	E13321		17 BIT MODE INTERRUPT JUMP			
B	E13355		I/O CONTROL MEMORY ADDRESS - EHU			
C	3799		PREVENT ERRONEOUS ABORT			
D	0092		ABORT MOD			

FIGURE 8-89

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
			DATE	CLASS	UNIVAC DIVISION OF SPERRY RAND CORPORATION	
			12-11-66	A		
				FUNCTIONAL SCHEMATIC, SEQUENCER FINAL 2		
CODE IDENT NO.		SIZE	DWG NO.			
90536		D	7075182			
SCALE		WEIGHT	SHEET OF			

IDENT NO. 7075182-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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UNLESS OTHERWISE SPECIFIED		
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS		3 PLACE DECIMALS
HOLE DIAMETER TOLERANCE		ANGLES
0 THRU .250	.251 THRU .500	.501 & LARGER
+ .003	+ .002	+ .010
- .002	- .003	- .005
THREADS: EXT. CL. 2A, INT. CL. 2B		
MATERIAL	FINISH	
APPLICATION	EQUIPMENT	
COMMODITY CODE	DATE	

LAYOUT	DATE	CLASS
DRAFTSMAN	12-11-66	A
R.C. PETERSON		
CHECKER	3-3-67	
R.E. STRELNIKS		
ENGINEER	3-3-67	
D. HAIR		
APPROVAL	3-3-67	

REVISIONS					
SYM	ZONE	ERR	DESCRIPTION	DATE	APPROVED
A	E13356		EXT 110 ENABLE CORRECTION		
B	E13375		S PART 642 B EMU INTERFACE MOD		
C	4270		HOLD TIMEOUT CORRECTION		
D	4265		116428 TO EMU TIMING MOD		

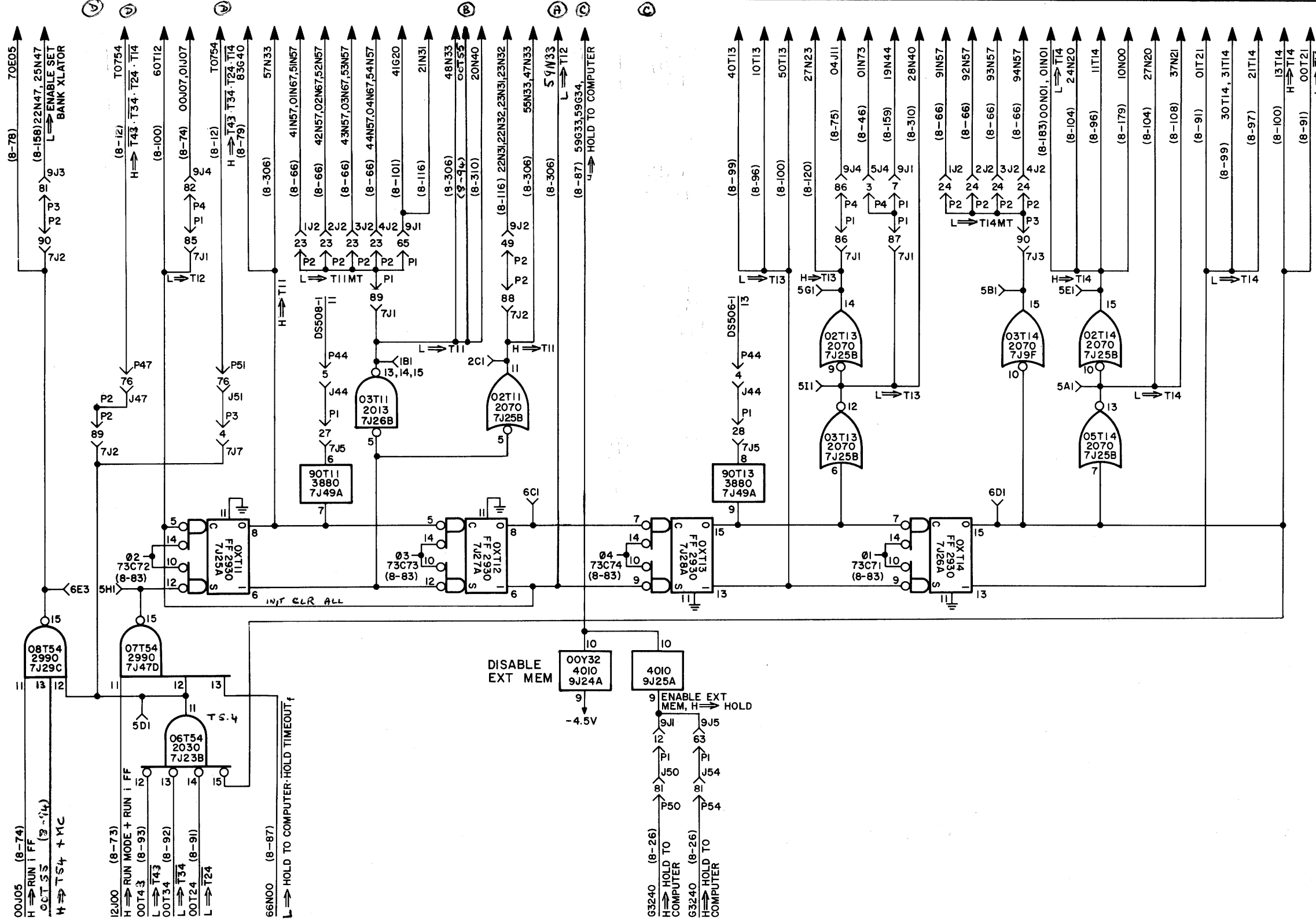


FIGURE 8-90

IDENT NO. 7075183-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE		CLASS
DIMENSION IN INCHES. TOLERANCE OR						A
2 PLACE DECIMALS		3 PLACE DECIMALS		ANGLES		
±		±		±		
HOLE DIAMETER TOLERANCE						
0 THRU .250		.251 THRU .500		.501 & LARGER		
+ .003		+ .005		+ .010		
- .002		- .005		- .005		
THREADS: EXT. CL. 2A, INT. CL. 2B						
MATERIAL						
FINISH						
NEXT ASSY		EQUIPMENT		APPLICATION		
COMMODITY CODE						
DRAFTSMAN		E. BICKETT		DATE		12-9-66
CHECKER		B. POPOV		TITLE		FUNCTIONAL SCHEMATIC, MAIN TIMING CYCLE I
ENGINEER		D. FREE		DATE		3-31-67
APPROVED		<i>[Signature]</i>		DATE		3-31-67
CODE IDENT NO.		SIZE		DWG NO.		90536 D 7075183
SCALE		WEIGHT		SHEET		1 OF 1

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	DATE
A	E13465		HOLD B FINAL MOD	
B	4166		EMU HOLD TIMEOUT MOD	

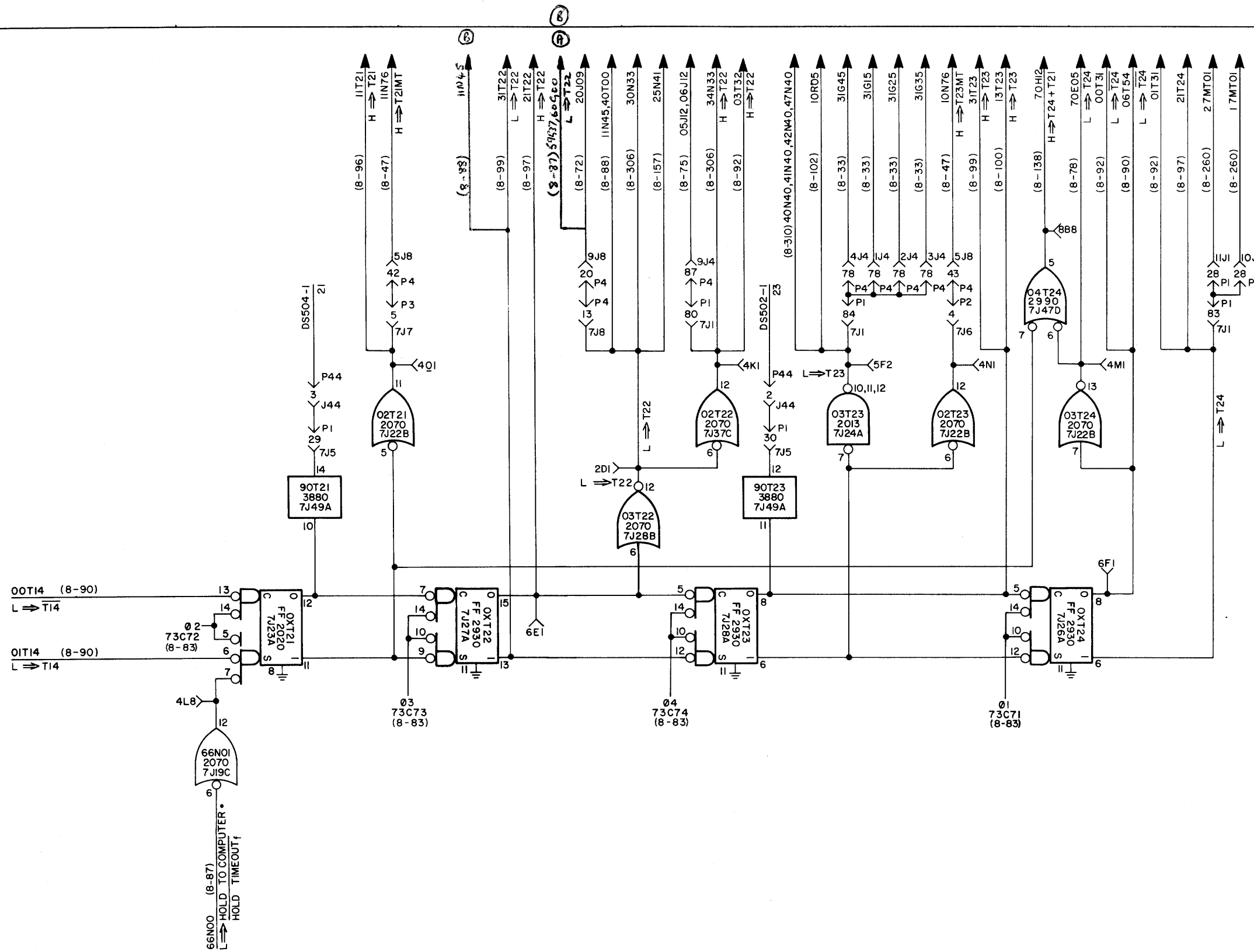


FIGURE 8-91

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
			CLASS	DATE	UNIVAC	
			A	12-10-66	DIVISION OF SPERRY RAND CORPORATION	
			TITLE			
			FUNCTIONAL SCHEMATIC, MAIN TIMING CYCLE 2			
			CODE IDENT NO.	SIZE	DWG NO.	
			90536	D	7075184	
			SCALE	WEIGHT	SHEET 1 OF 1	

IDENT NO. 7075184-00

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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES	TOLERANCE ON
2 PLACE DECIMALS	3 PLACE DECIMALS
± .005	± .002
HOLE DIAMETER TOLERANCE	
0 THRU .250	.251 THRU .500
+ .003	+ .005
-.002	-.005
301 & LARGER	
+ .010	
THREADS: EXT. CL. 2A, INT. CL. 2B	
MATERIAL	
FINISH	

LAYOUT	DATE	CLASS
DRAFTSMAN		A
G. ERLANDSON	12-10-66	
CHECKER		
B. POPOV	3-31-67	
ENGINEER		
D. HAIR	3-31-67	
APPROVAL		
	3-31-67	

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVED
A	E13375		5 PART 642B EMU INTERFACE MOD		

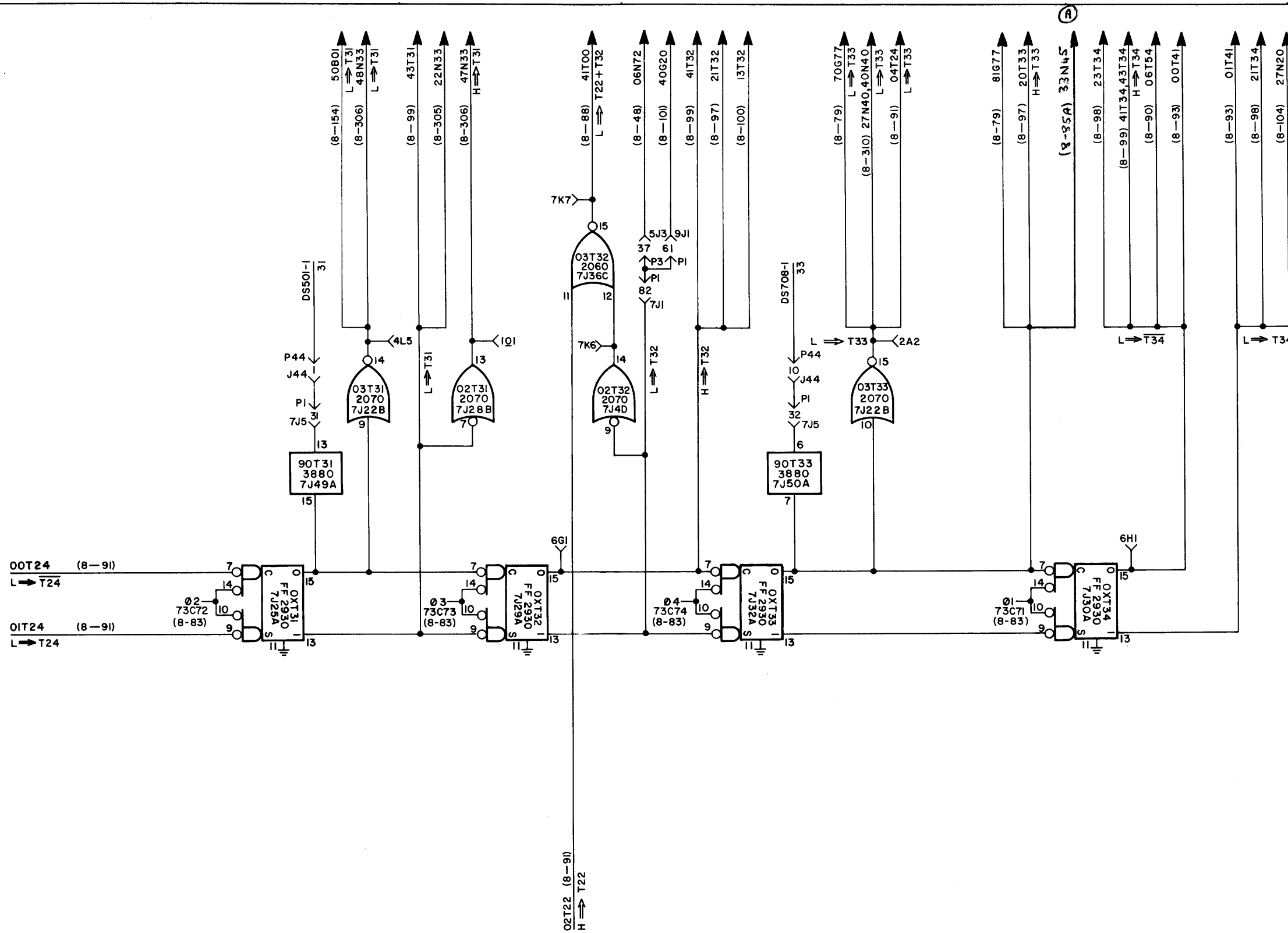


FIGURE 8-92

IDENT NO. 7075243-00

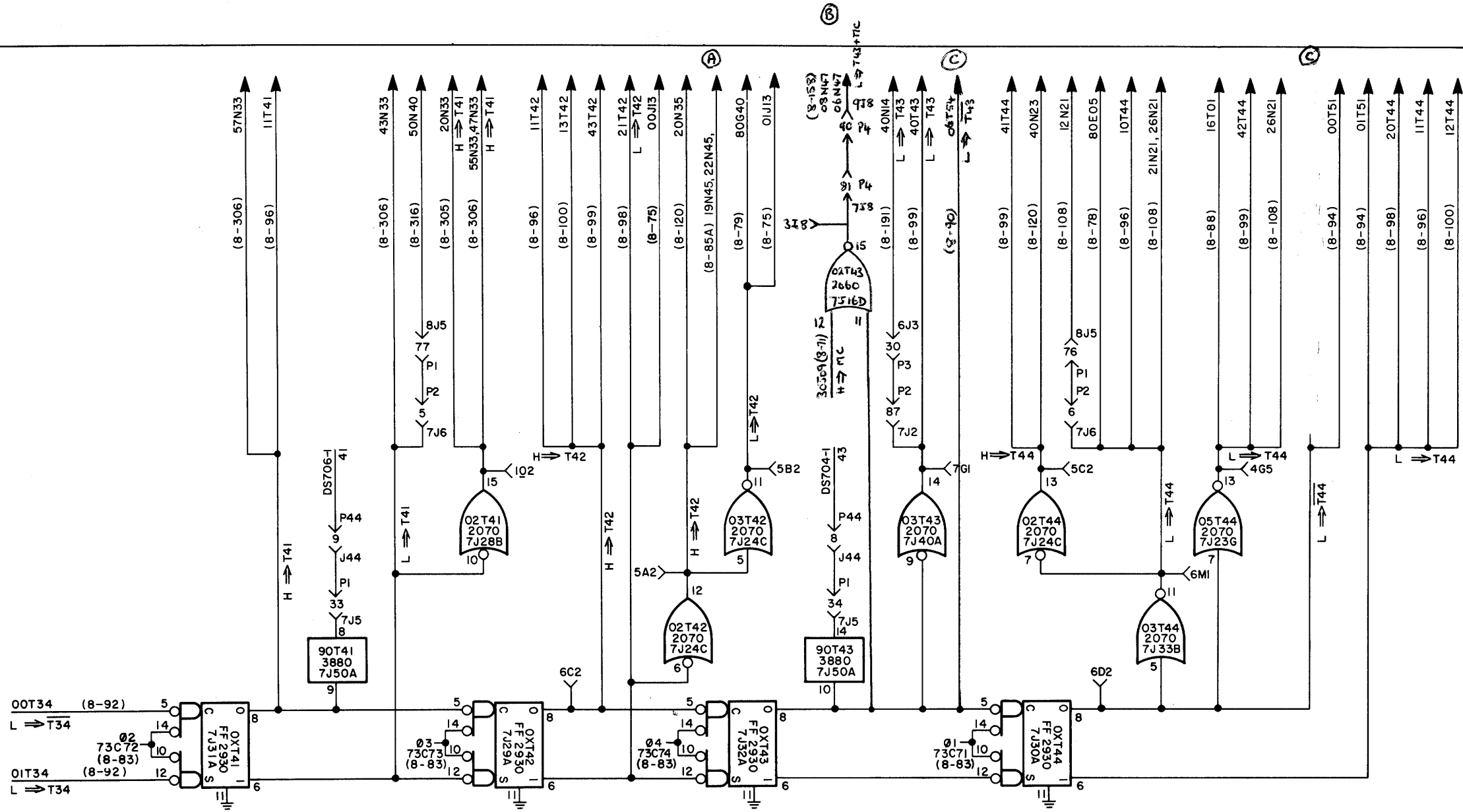
THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNLESS OTHERWISE SPECIFIED			LAYOUT			
DIMENSION IN INCHES. TOLERANCE ON			DATE			
2 PLACE DECIMALS			CLASS			
3 PLACE DECIMALS			A			
ANGLES			DRAFTSMAN			
±			G. HUBER			
HOLE DIAMETER TOLERANCE			DATE			
0 THRU .250			2-24-67			
.251 THRU .500			CHECKER			
.501 & LARGER			D. ERICKSON			
+ .003			DATE			
- .002			3-31-67			
- .005			ENGINEER			
- .005			D. FREE			
THREADS: EXT. CL 2A, INT. CL 2B			DATE			
MATERIAL			3-31-67			
FINISH			APPROVAL			
NEXT ASSY			EQUIPMENT			
APPLICATION			COMMODITY CODE			
UNLESS OTHERWISE SPECIFIED			DATE			
DIMENSION IN INCHES. TOLERANCE ON			CLASS			
2 PLACE DECIMALS			A			
3 PLACE DECIMALS			DRAFTSMAN			
ANGLES			G. HUBER			
±			DATE			
HOLE DIAMETER TOLERANCE			2-24-67			
0 THRU .250			CHECKER			
.251 THRU .500			D. ERICKSON			
.501 & LARGER			DATE			
+ .003			3-31-67			
- .002			ENGINEER			
- .005			D. FREE			
THREADS: EXT. CL 2A, INT. CL 2B			DATE			
MATERIAL			3-31-67			
FINISH			APPROVAL			
NEXT ASSY			EQUIPMENT			
APPLICATION			COMMODITY CODE			

FUNCTIONAL SCHEMATIC, MAIN TIMING CYCLE 3

CODE IDENT NO. 90536
 SIZE D
 DWG NO. 7075243



REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVED
A	E13375		5 PART 642B EHU INTERFACE MOD		
B	3508		COMPUTER TIMING CORRECTION.		
C	4265		M642B to EHU TIMING MOD		

FIGURE 8-93

IDENT NO. 7075185-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNLESS OTHERWISE SPECIFIED			LAYOUT			
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS			DATE			
± .005			CLASS			
± .010			A			
± .015			DRAFTSMAN			
± .020			E. BICKETT			
± .030			DATE			
± .040			12-9-66			
± .050			TITLE			
± .060			FUNCTIONAL SCHEMATIC, MAIN TIMING CYCLE 4			
± .070			CHECKER			
± .080			B. POPOV			
± .090			DATE			
± .100			9-31-67			
± .110			ENGINEER			
± .120			D. HAIR			
± .130			DATE			
± .140			9-31-67			
± .150			APPROVED			
± .160			<i>D. Hair</i>			
± .170			DATE			
± .180			9-31-67			
± .190			CODE IDENT NO.			
± .200			90536			
± .210			SIZE			
± .220			D			
± .230			DWG NO.			
± .240			7075185			
± .250			SCALE			
± .260			WEIGHT			
± .270			SHEET 1 OF 1			

REVISIONS			
SYM	ZONE	EIR	DESCRIPTION
A	4265		17642B To ERM Timing HD

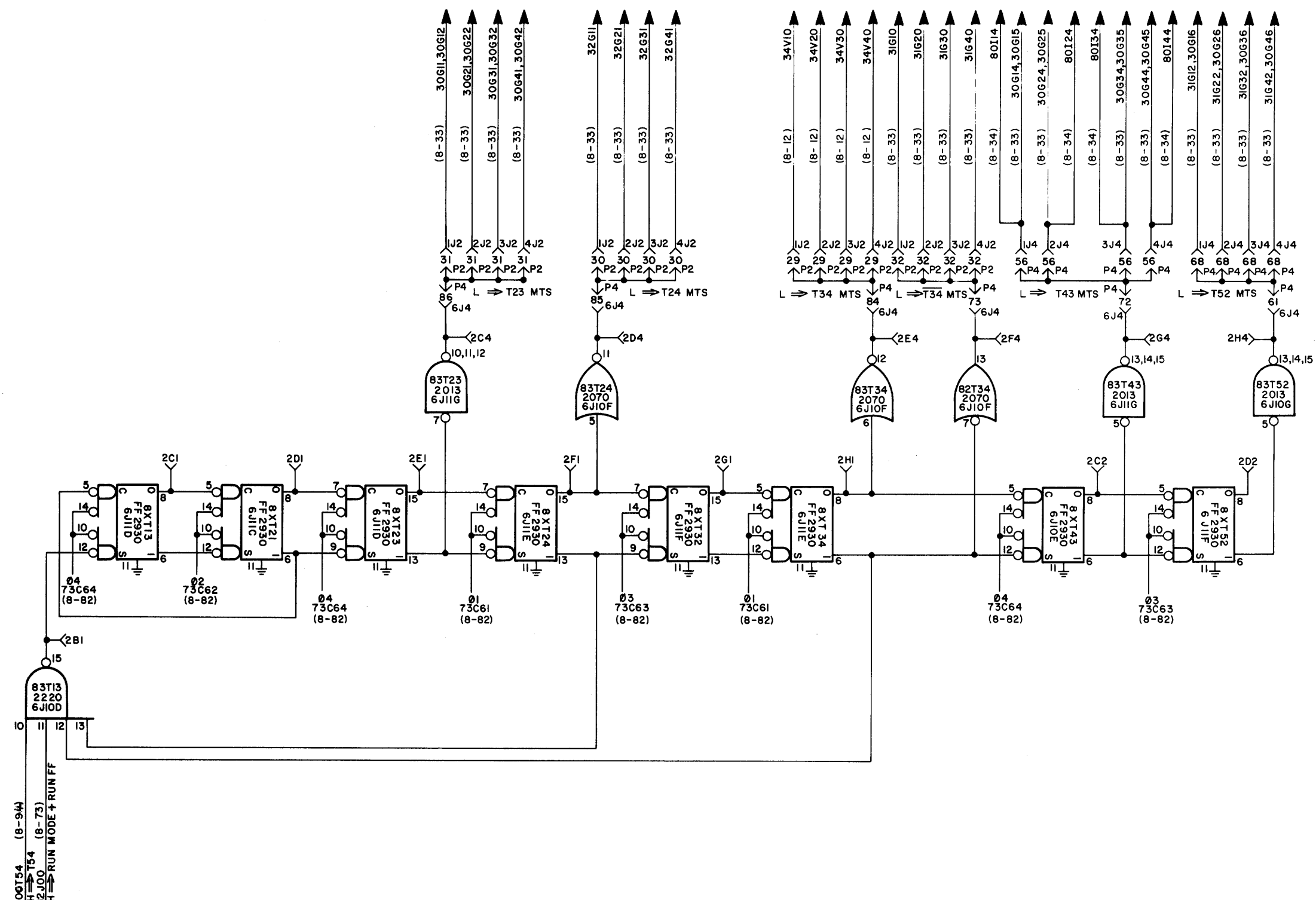


FIGURE 8-95

00T54 (8-94)
H T54 (8-73)
H RUN MODE + RUN FF

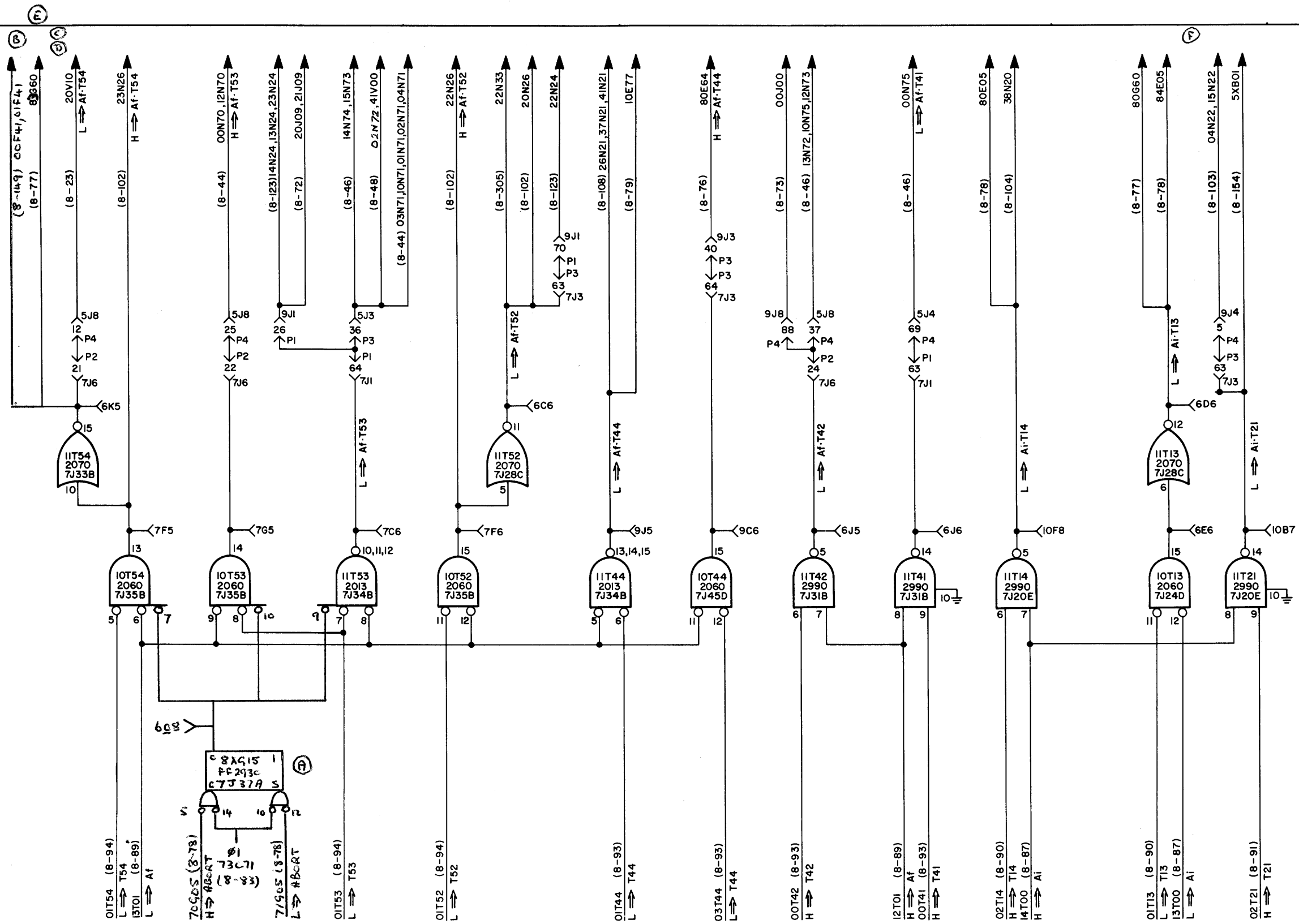


IDENT NO.7032852-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:
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QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS DIMENSIONS IN ANGLES HOLE DIAMETER TOLERANCE 0 THRU .250 ±.003 .251 THRU .500 ±.005 .501 & LARGER ±.010 THREADS: EXT. CL. 2A, INT. CL. 2B	LAYOUT	DATE	CLASS	UNIVAC DIVISION OF SPERRY RAND CORPORATION FUNCTIONAL SCHEMATIC, MAIN TIMING SPECIAL USED IN I10
	DRAFTSMAN E.D. OLSON	5-26-65	A	
	CHECKER B. POPOV	9-15-65		
	ENGINEER D. HAIR	9-15-65		
APPROVAL D. W. Hanger	9-15-65	90536	D	7084761
COMMUNITY CODE	FINISH	SCALE	WEIGHT	SHEET 1 OF 1



REVISIONS			
SYM	ZONE	EIR	DESCRIPTION
A	E11933	F=66	LOGIC CORRECTION
B	E13314		EXT I/O FIF CORRECTION
C	E13317		EXT INT HOLD ACTIVE FIF MOD
D	E13375		S PART 642 B EMU INTERFACE MOD
E	E13730		H642 B I/O JUMP CORRECTION
F	0091		HOLD FINAL TIMING MOD

FIGURE 8-96

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	

IDENT NO. 7075245-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

UNLESS OTHERWISE SPECIFIED		LAYOUT	DATE	CLASS	LIST OF MATERIAL	
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS		G. HIRSCH	3-7-67	A	UNIVAC	
DIMENSION IN INCHES. TOLERANCE ON 3 PLACE DECIMALS		CHECKER	3-31-67	DIVISION OF SPERRY RAND CORPORATION		
HOLE DIAMETER TOLERANCE		ENGINEER	3-31-67	TITLE		
0 THRU .250 +.003		D. FREE		FUNCTIONAL SCHEMATIC, SEQUENCE TIMING I		
.251 THRU .500 +.005		APPROVAL		CODE IDENT NO.	SIZE	DWG NO.
.501 & LARGER +.010				90536	D	7075245
THREADS: EXT. CL. 2A, INT. CL. 2B				SCALE	WEIGHT	SHEET OF
MATERIAL						
FINISH						

REVISIONS			
SYM	ZONE	EIR	DESCRIPTION

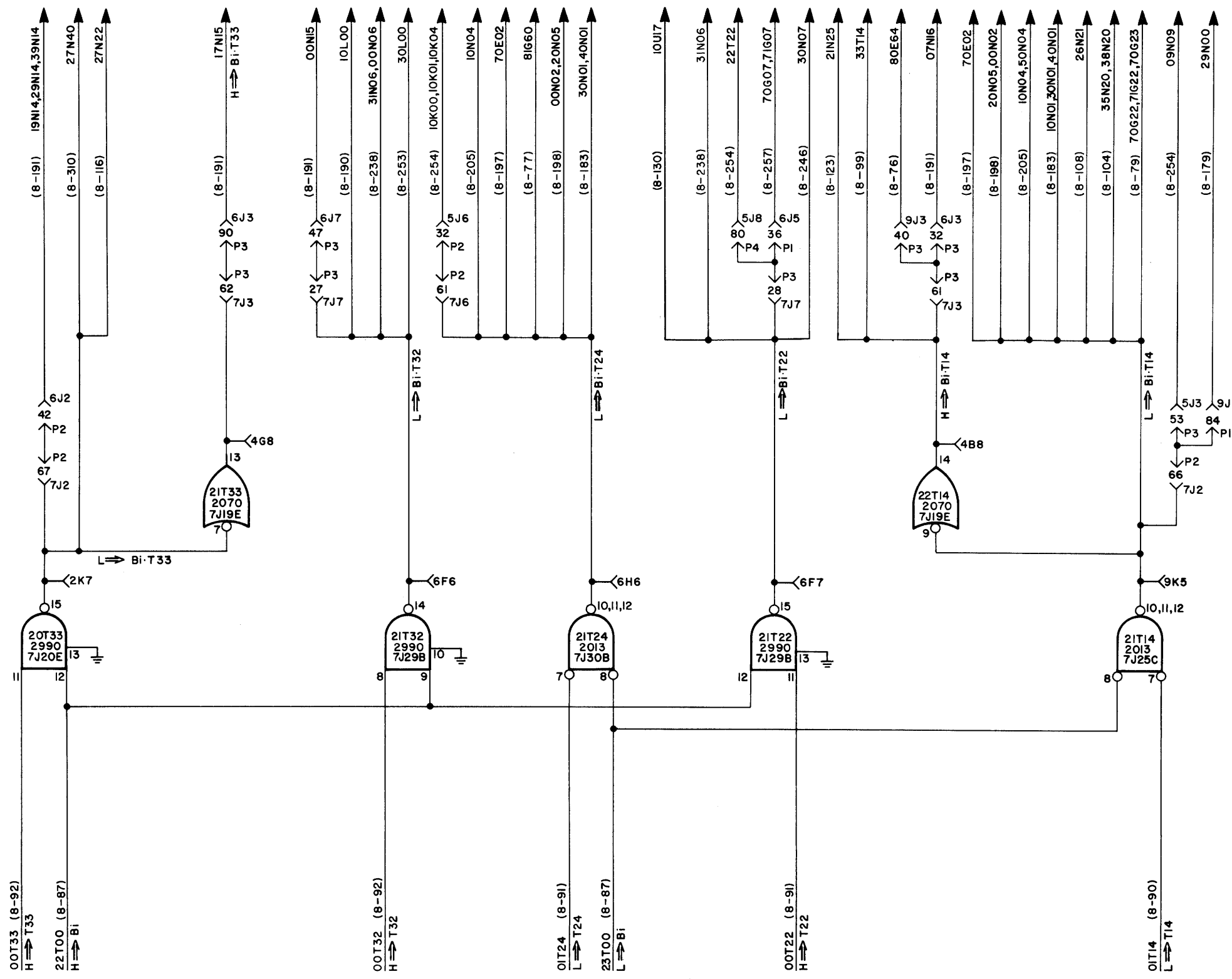


FIGURE 8-97

IDENT NO. 7075248-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL			
QTY	FIND	REF DES	CODE IDENT

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS ± .005 3 PLACE DECIMALS ± .001 ANGLES ± .005	LAYOUT	DATE	CLASS
HOLE DIAMETER TOLERANCE 0 THRU .500 + .003 +.005 -.002	DRAFTSMAN G. HIRSCH	3-7-67	A
THREADS: EXT. CL. 2A, INT. CL. 2B	CHECKER STRELNIEKS	3-31-67	TITLE FUNCTIONAL SCHEMATIC, SEQUENCE TIMING 2
MATERIAL	ENGINEER D. FREE	3-31-67	CODE IDENT NO. 90536
FINISH	APPROVED <i>[Signature]</i>	3-31-67	SIZE D
			DWG NO. 7075248
			SCALE
			WEIGHT
			SHEET OF

REVISIONS			
SYM	ZONE	DESCRIPTION	DATE
A	71688	SEE EIR	8/10/65
B	E13313	13,17K2 INSTRUCTION CORRECTION.	
C	3799	PREVENT ERRONEOUS ABORT	

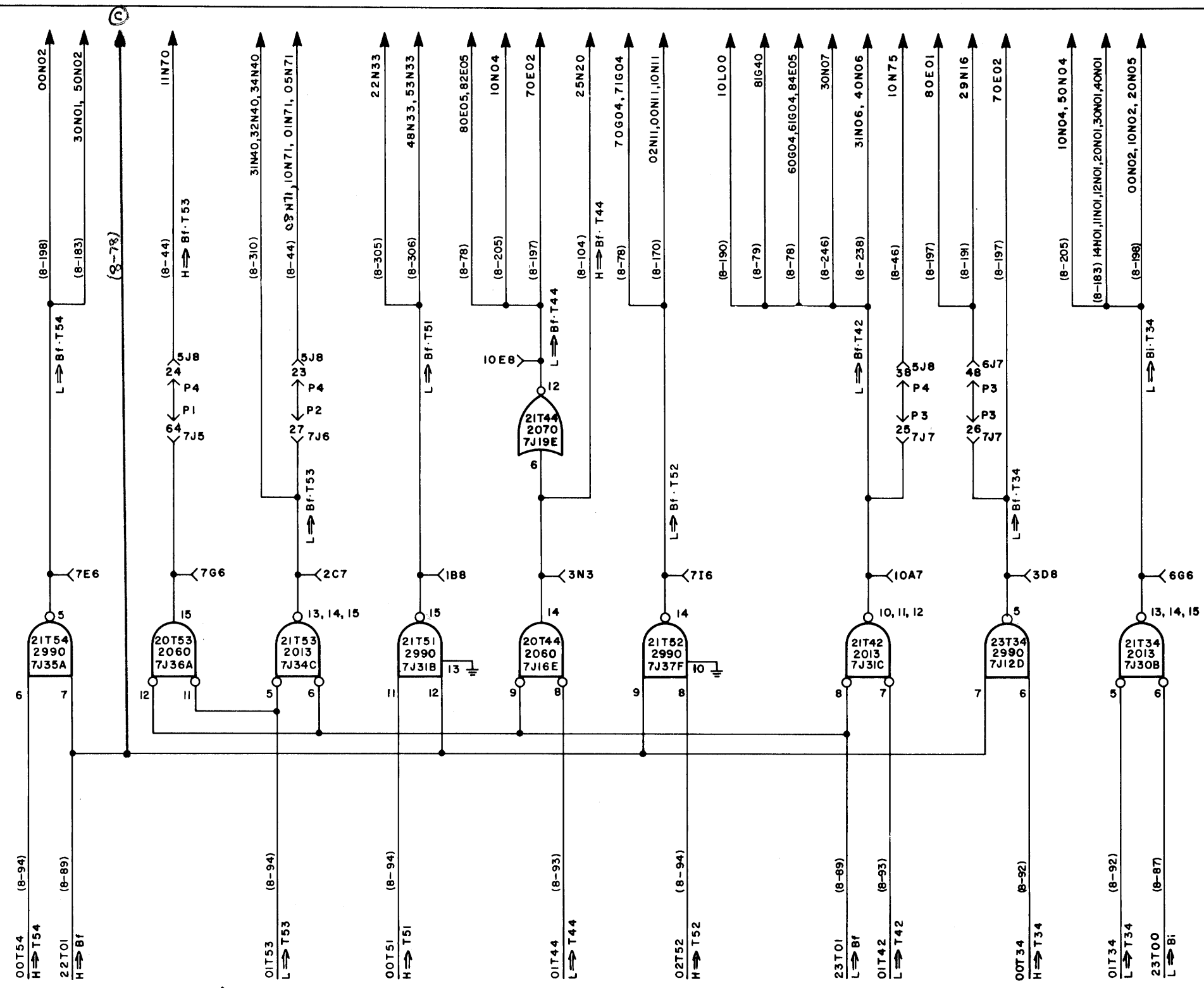


FIGURE 8-98

IDENT NO. 7032907-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE SPERRY RAND CORPORATION. IN CONSIDERATION OF THE RECEIPT OF THIS DOCUMENT, THE RECIPIENT AGREES NOT TO REPRODUCE, COPY, USE OR TRANSMIT THIS DOCUMENT AND OF THE INFORMATION THEREIN CONTAINED, IN WHOLE OR IN PART OR TO SUFFER SUCH ACTION BY OTHERS, FOR ANY PURPOSE EXCEPT WITH THE WRITTEN PERMISSION, FIRST OBTAINED, OF SPERRY RAND CORP. AND FURTHER AGREES TO SURRENDER SAME TO SPERRY RAND CORPORATION UPON DEMAND.

UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE	CLASS
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS ± .005		K. R. POWERS		8-12-65	A
HOLE DIAMETER TOLERANCE		CHECKER		TITLE	
0 THRU .250 ± .005		B. POPOV		FUNCTIONAL SCHEMATIC, SEQUENCE TIMING 3	
.250 THRU .500 ± .005		ENGINEER		CODE IDENT NO. 90536	
.500 THRU 1.000 ± .005		D. HAIR		SIZE D	
THREADS: EXT. CL. 2A, INT. CL. 2B		APPROVAL		DWG. NO. 7032907	
MATERIAL		SCALE		WEIGHT	
FINISH		SHEET		OF	

REVISIONS			
SYM	ZONE	EIR	DESCRIPTION
A	0166		FALSE CONFLICT MOD

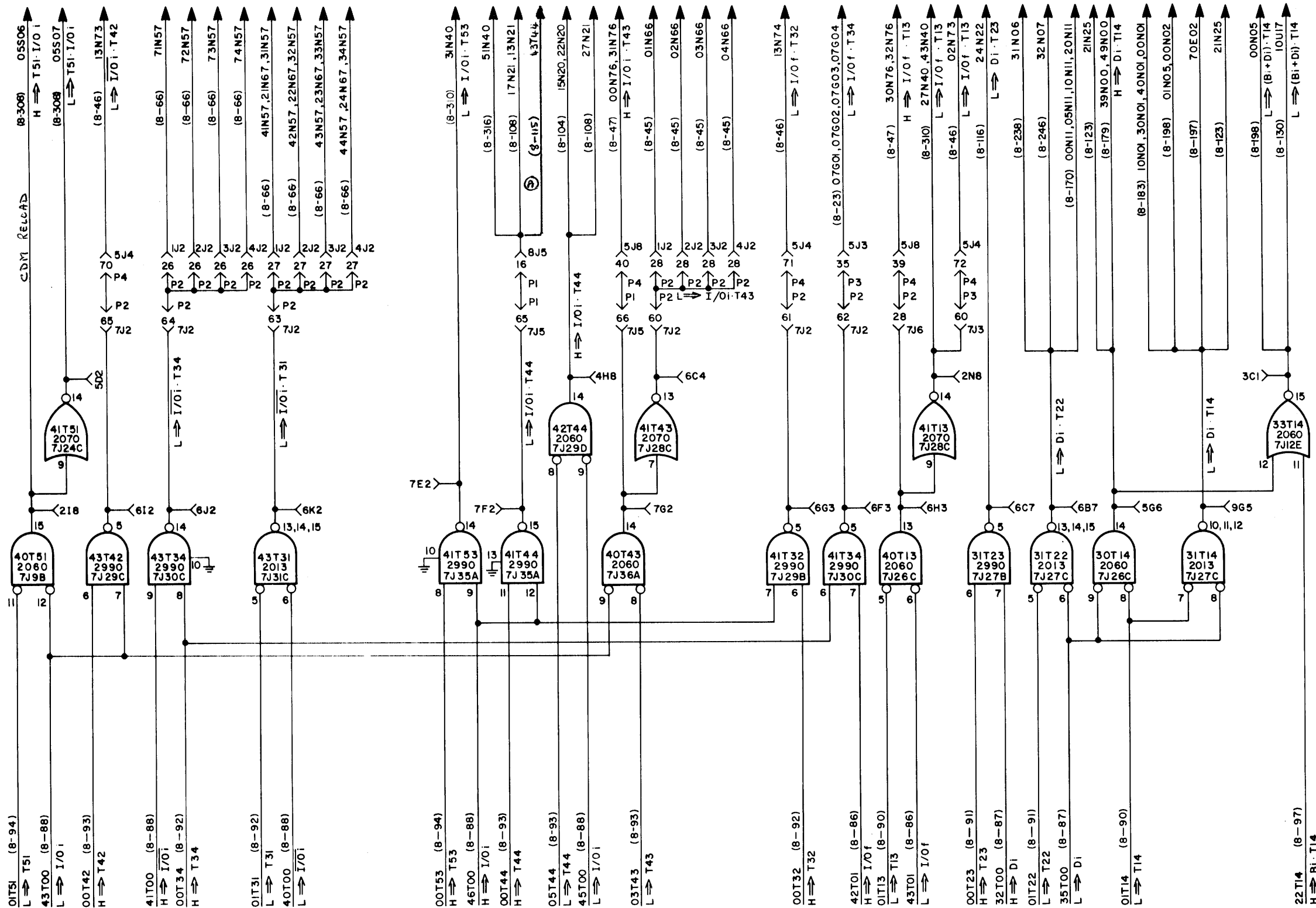


FIGURE 8-99

IDENT NO. 7075187-00

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UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE		CLASS	
DIMENSION IN INCHES TOLERANCE ON		DRAFTSMAN		2/2/66		A	
2 PLACE DECIMALS		D. ERICKSON				TITLE	
3 PLACE DECIMALS		CHECKER		R.E. STRELNIKS		FUNCTIONAL SCHEMATIC, SEQUENCE TIMING 4	
ANGLES		ENGINEER		D. HAIR		CODE IDENT NO.	
HOLD DIAMETER TOLERANCE		APPROVAL				SIZE	
0 THRU .250						90536	
.251 THRU .500						D	
.501 & LARGER						DWG NO.	
+ .003						7075187	
+ .005						SCALE	
- .002						WEIGHT	
- .005						SHEET	
THREADS: EXT. CL. 2A, INT. CL. 2B						OF	
MATERIAL							
FINISH							

REVISIONS			
SYM	ZONE	EIR	DESCRIPTION
A	E13310		INTERCOMPUTER TIME OUT CHANGE
B	E13314		EXT 110 FIF CORRECTION
C			

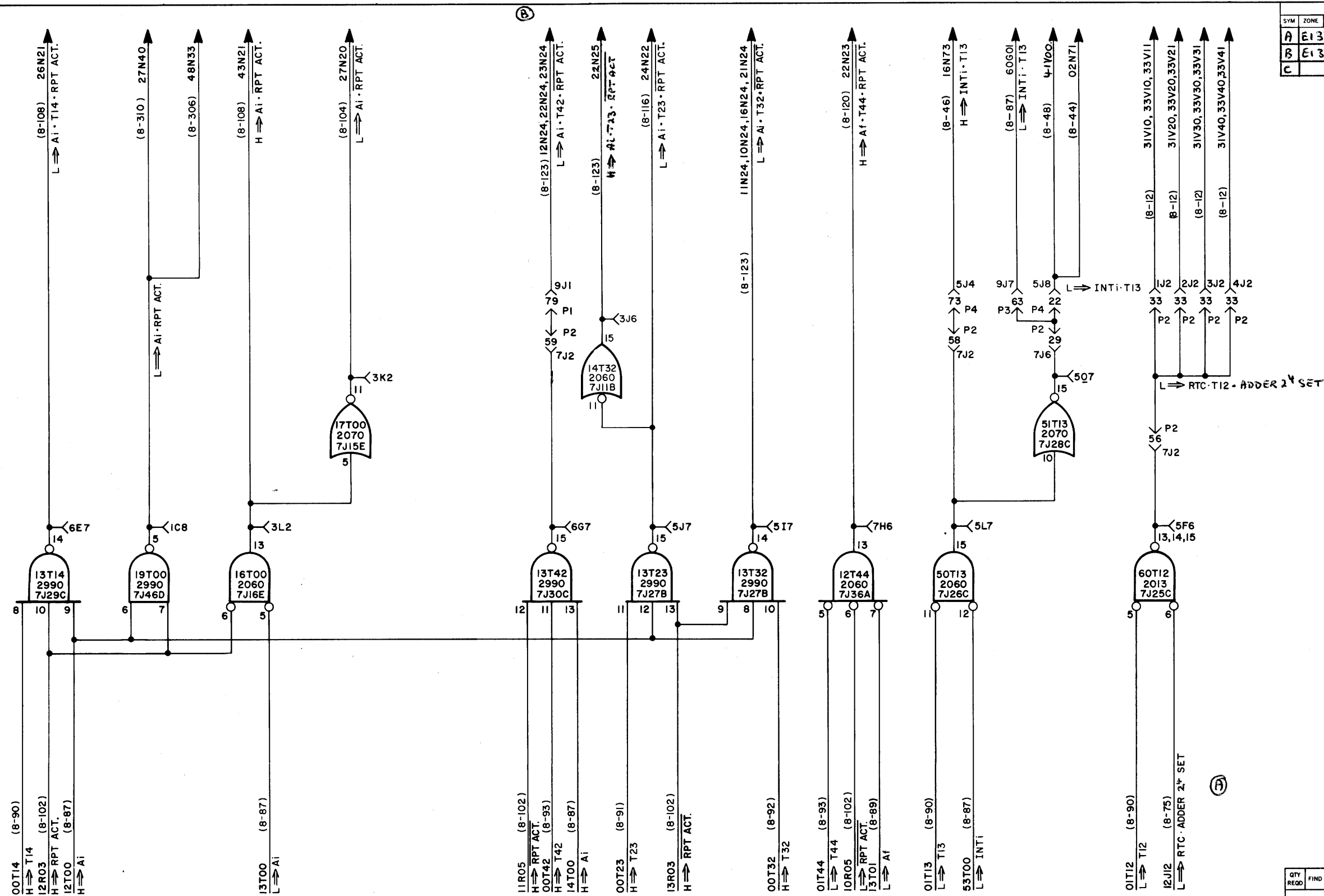


FIGURE 8-100

IDENT NO. 7075188-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE	CLASS	LIST OF MATERIAL	
DIMENSION IN INCHES. TOLERANCE OR 2 PLACE DECIMALS		E. BICKETT		12-9-66	A	UNIVAC	
±		CHECKER				DIVISION OF SPERRY RAND CORPORATION	
±		B. POPOV		8-31-67		TITLE	
±		ENGINEER		5-31-67		FUNCTIONAL SCHEMATIC, SEQUENCE TIMING 5	
±		D. HAIR		8-31-67		CODE IDENT NO.	SIZE
±		APPROVAL				90536	D
±						DWG NO.	7075188
±						SCALE	WEIGHT
±						SHEET 1 OF 1	

REVISIONS			
SYM	ZONE	EIR	DESCRIPTION
A	3508		COMPUTER TIMING CORRECTION.

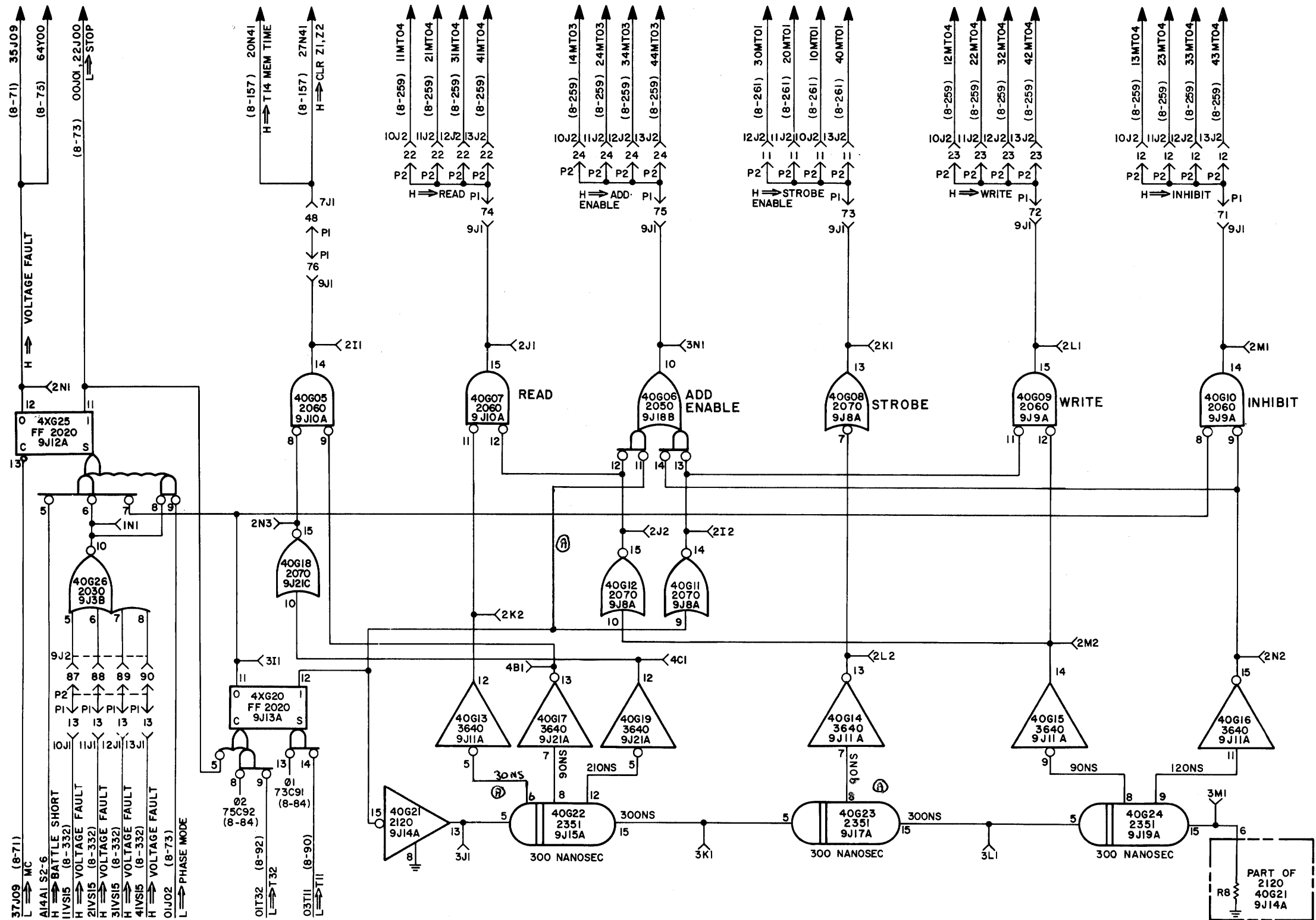


FIGURE 8-101

QTY	FIND	REF DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD			IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL						
			CLASS	DATE	UNIVAC	
			A	3-7-67	DIVISION OF SPERRY RAND CORPORATION	
			TITLE			
			FUNCTIONAL SCHEMATIC, MEMORY TIMING			
			ENGINEER	DATE	CODE IDENT NO. SIZE DWG NO.	
			D. FREE	3-31-67	90536 D 7075242	
			APPROVAL	DATE	SCALE WEIGHT SHEET 1 OF 1	
			<i>[Signature]</i>	3-31-67		

IDENT NO. 7075242-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS ±			A
HOLE DIAMETER TOLERANCE 0 THRU .250 ±.003 .251 THRU .500 ±.005 .501 & LARGER ±.010			
THREADS: EXT. CL. 2A, INT. CL. 2B			
MATERIAL			
FINISH			

REVISIONS			
SYM	ZONE	EIR	DESCRIPTION
A	3744		PREVENT ERRONEOUS ABORT

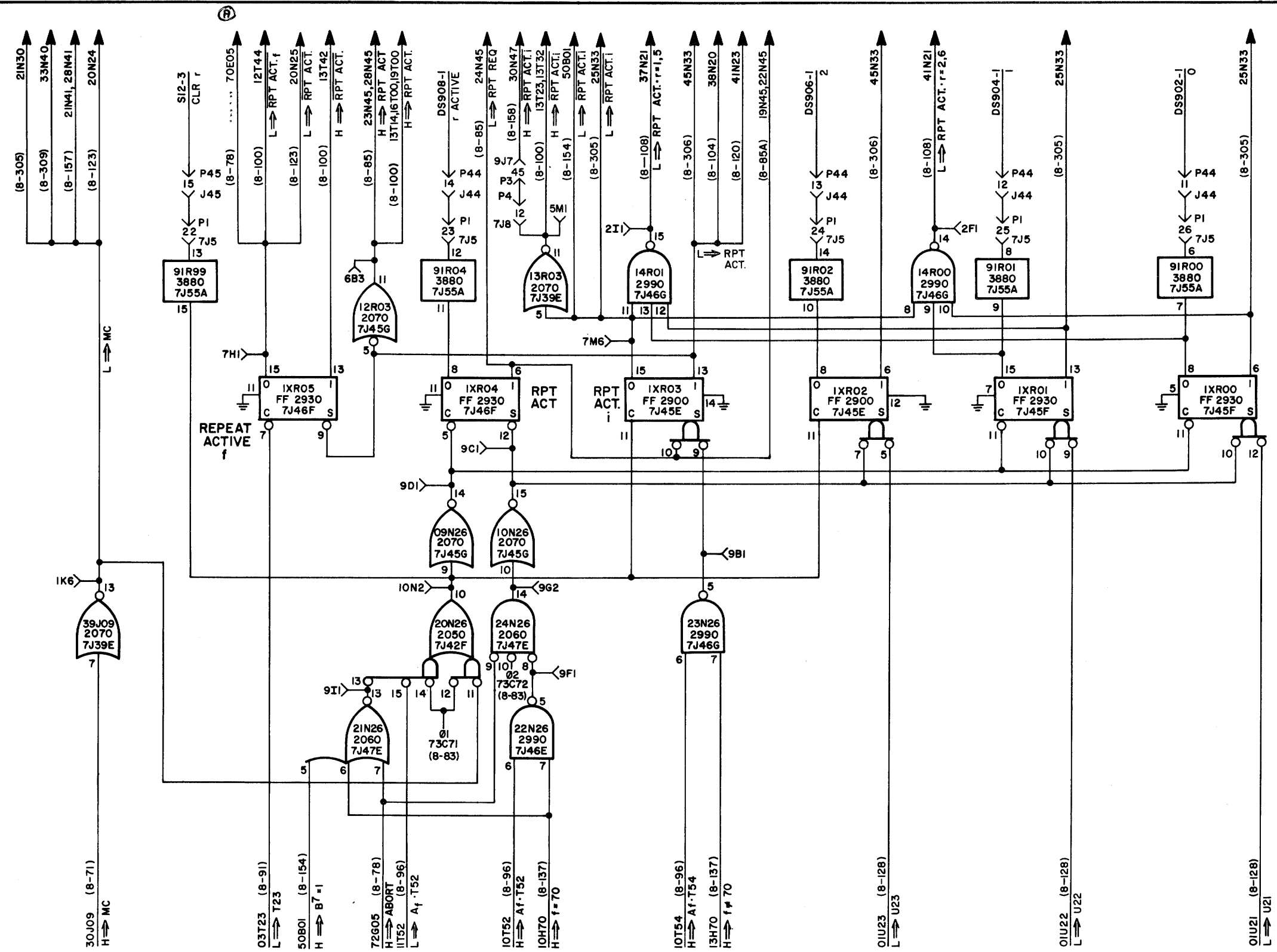


FIGURE 8-102

IDENT NO. 7075189-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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UNLESS OTHERWISE SPECIFIED		DIMENSION IN INCHES: TOLERANCE ON	
2 PLACE DECIMALS	3 PLACE DECIMALS	ANGLES	
± .003	± .005	± .010	
HOLE DIAMETER TOLERANCE			
0 THRU .250	.251 THRU .500	.501 & LARGER	
± .003	± .005	± .010	
THREADS: EXPT. CL. 2A, INT. CL. 2B			
MATERIAL		FINISH	
APPLICATION		COMMODITY CODE	

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
CLASS			UNIVAC			
DRAFTSMAN			E. BICKETT			
CHECKER			B. POPOV			
ENGINEER			D. HAIR			
APPROVAL			<i>[Signature]</i>			
DATE			12-10-66			
TITLE			FUNCTIONAL SCHEMATIC, r DESIGNATOR			
CODE IDENT NO.		SIZE		DWG NO.		
90536		D		7075189		
SCALE			SHEET 1 OF 1			

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED

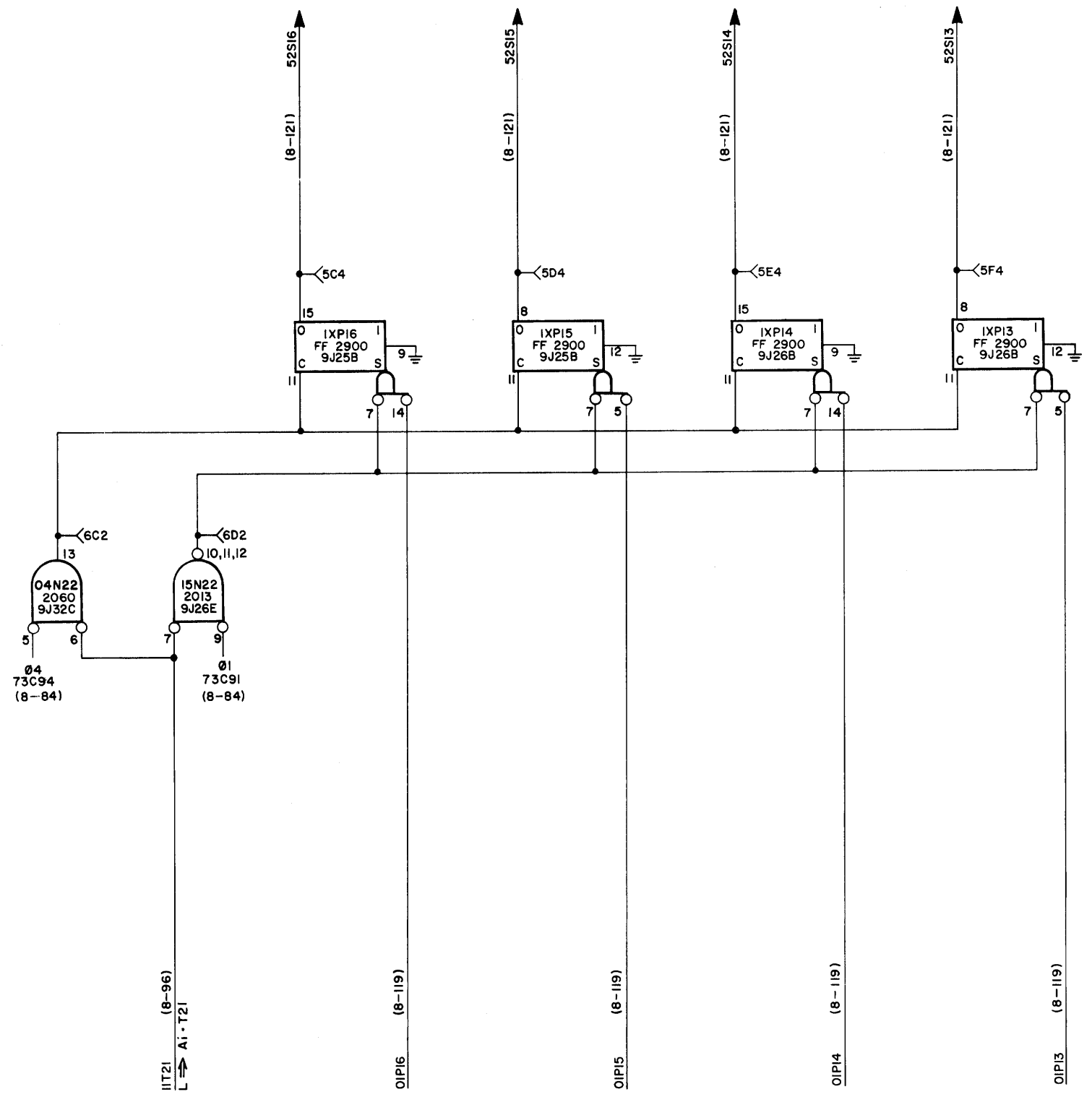


FIGURE 8-103

IDENT NO. 7032914 - 00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:
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QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL							
UNLESS OTHERWISE SPECIFIED				LAYOUT		DATE	
DIMENSION IN INCHES TOLERANCE OR				M. MOSENG		5-20-65	
2 PLACE DECIMALS				CHECKER		TITLE	
3 PLACE DECIMALS				B. POPOV		FUNCTIONAL SCHEMATIC, PR REGISTER	
ANGLES				ENGINEER		CLASS	
HOLE DIAMETER TOLERANCE				D. HAIR		A	
0 THRU .250				APPROVAL		CODE IDENT NO.	
.003				DU Morgan		90536	
.251 THRU .500				FINISH		SIZE	
.005						D	
.501 & LARGER						DWG NO.	
+ .010						7032914	
- .005						SCALE	
THREADS: EXT. CL. 2A, INT. CL. 2B						WEIGHT	
MATERIAL						SHEET	
APPLICATION						OF	
COMMODITY CODE							

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		71689	SEE EIR			
B	4270		HOLD TIMEOUT CORRECTION			

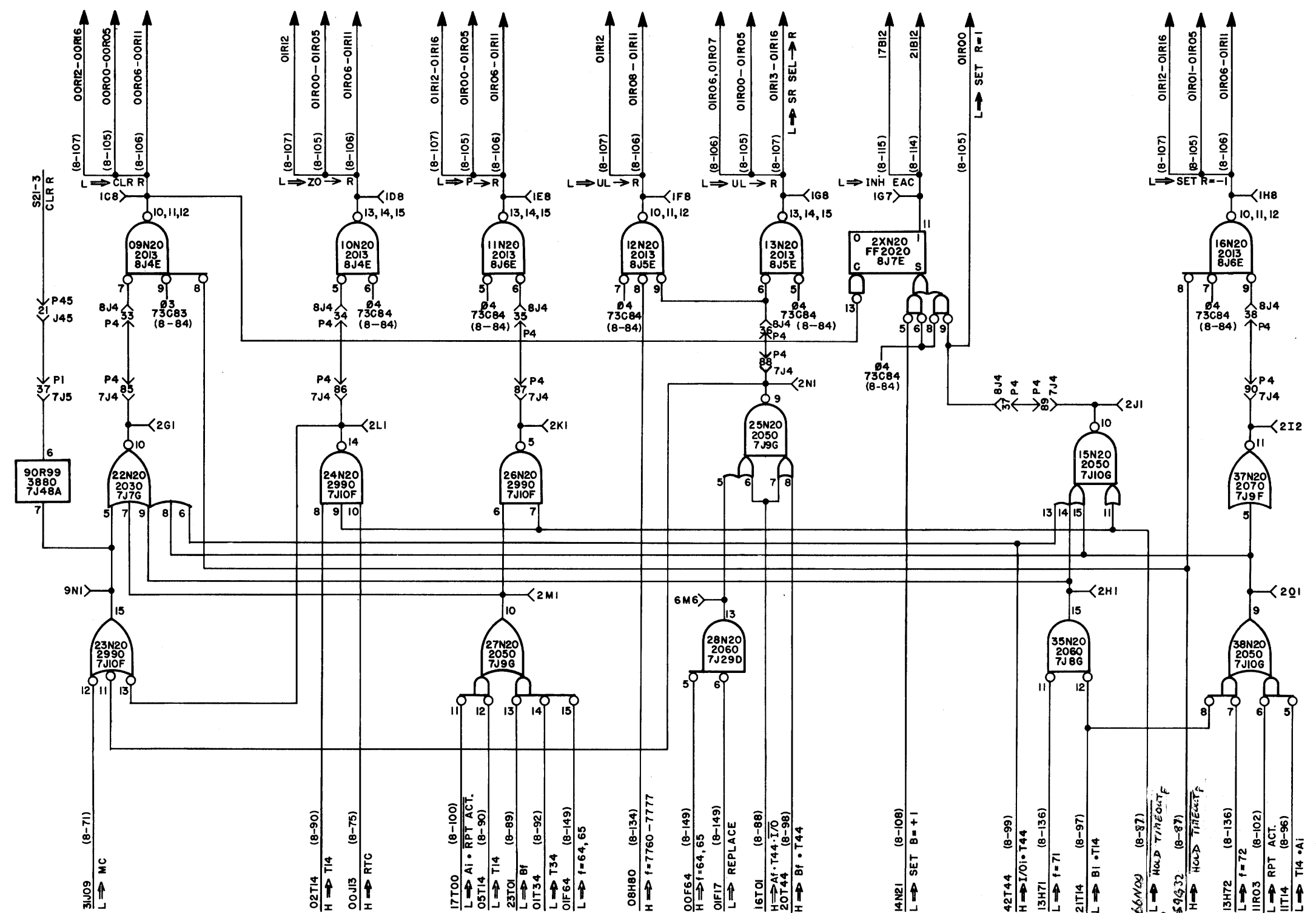


FIGURE 8-104

QTY	FIND	REF DES	CODE IDENT	OWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
			CLASS		UNIVAC	
			DATE		DIVISION OF SPERRY RAND CORPORATION	
			DRAFTSMAN		TITLE	
			R. STEBBINS		FUNCTIONAL SCHEMATIC, R REGISTER COMMAND ENABLES	
			CHECKER		CODE IDENT NO. SIZE DWG NO.	
			B. POPOV		90536 D 7032690	
			ENGINEER		SCALE WEIGHT SHEET OF	
			D. HAIR			
			APPROVAL			

IDENT NO. 7032690-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT.

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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES	TOLERANCE OR DECIMALS
2 PLACE DECIMALS	3 PLACE DECIMALS
ANGLES	
HOLE DIAMETER TOLERANCE	
0 THRU .250	.001 THRU .500
.251 THRU .500	.001 THRU .500
.501 & LARGER	.001 THRU .500
THREADS: EXT. CL. 2A, INT. CL. 2B	
MATERIAL	
FINISH	

LAYOUT	DATE	CLASS
R. STEBBINS	2-17-65	A
CHECKER		
B. POPOV		
ENGINEER		
D. HAIR		
APPROVAL		

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED

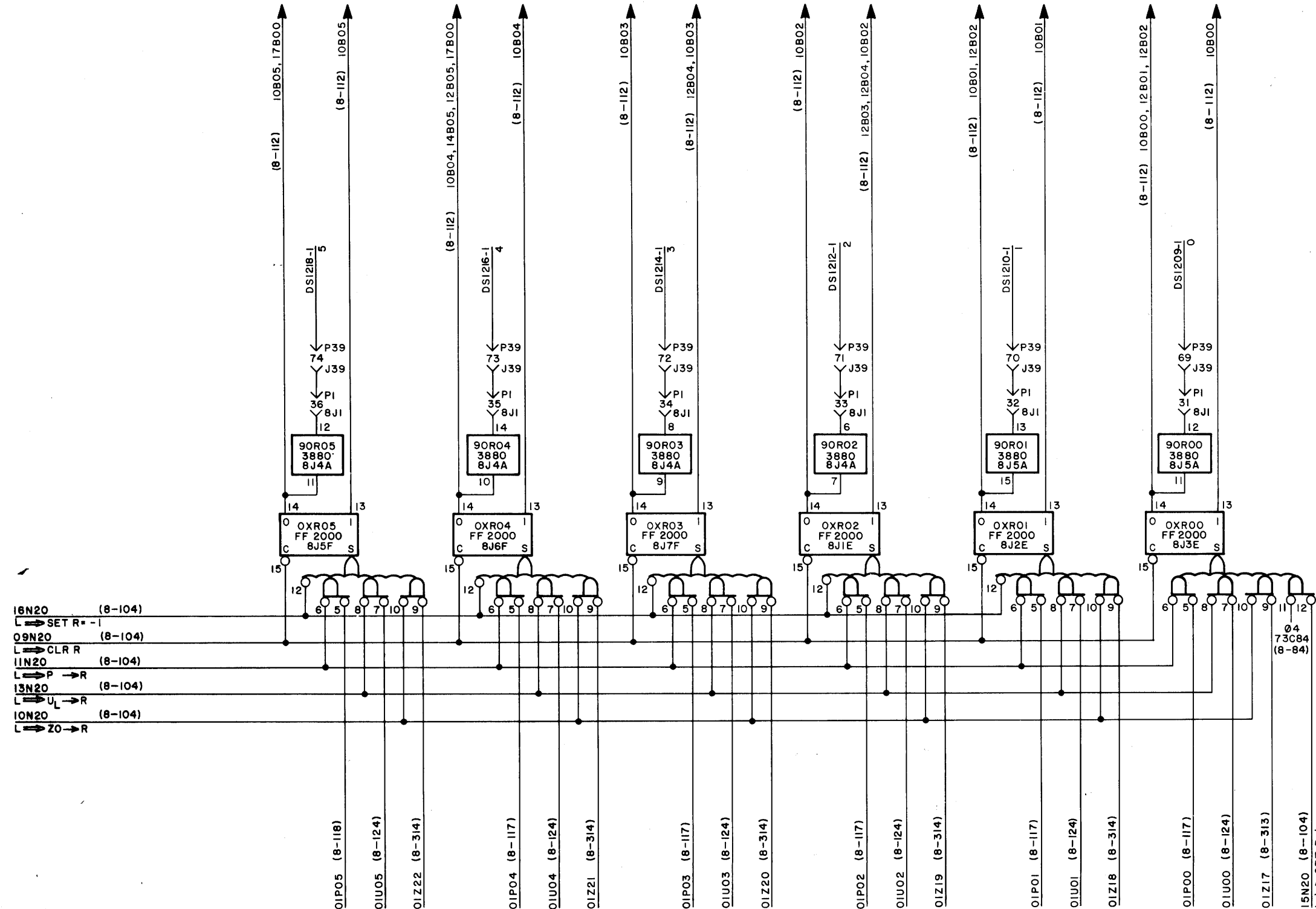


FIGURE 8-105

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
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LIST OF MATERIAL

IDENT NO. 7032691-00

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UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE	CLASS
DIMENSION IN INCHES. TOLERANCE ON		DRAFTSMAN		8-20-65	A
2 PLACE DECIMALS ±		F. MANNING			
3 PLACE DECIMALS ±		CHECKER			
ANGLES ±		B. POPOV			
HOLE DIAMETER TOLERANCE		ENGINEER			
0 THRU .250 ± .005		D. HAIR			
.251 THRU .500 ± .010		APPROVAL			
.501 & LARGER ± .015		D. Hair 9-15-65			
THREADS: EXT. CL. 2A, INT. CL. 2B		MATERIAL			
FINISH		APPLICATION			
NEXT ASSY		EQUIPMENT			
COMMODITY CODE		FINISH			
TITLE		CODE IDENT NO.		SIZE	DWG NO.
FUNCTIONAL SCHEMATIC, R REGISTER BITS 00-05		90536		D	7032691
SCALE		WEIGHT		SHEET 1 OF 1	

REVISIONS				CHK	DATE	APPROVED
SYM	ZONE	EIR	DESCRIPTION			
A		71689	SEE EIR			<i>[Signature]</i>

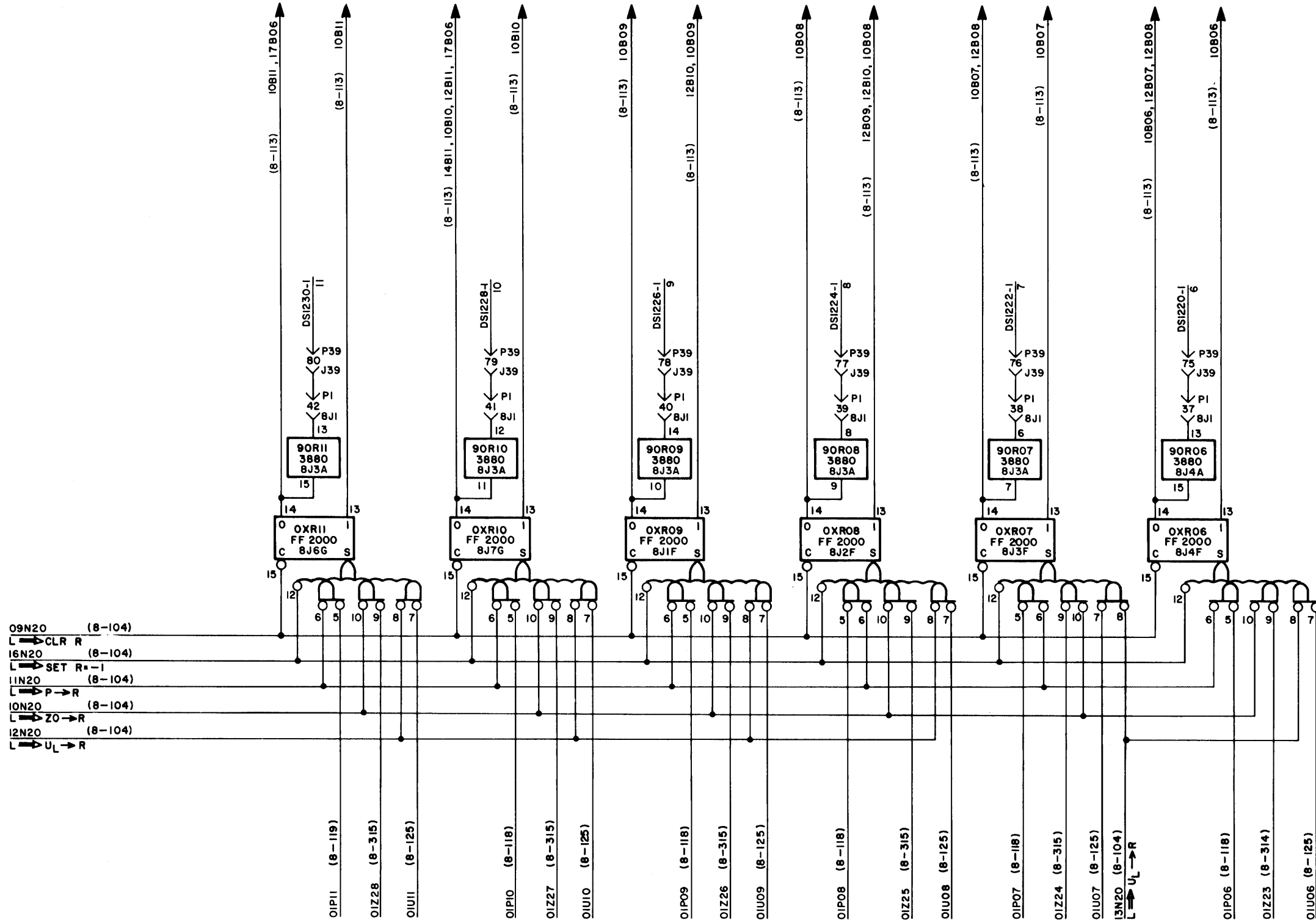


FIGURE 8-106

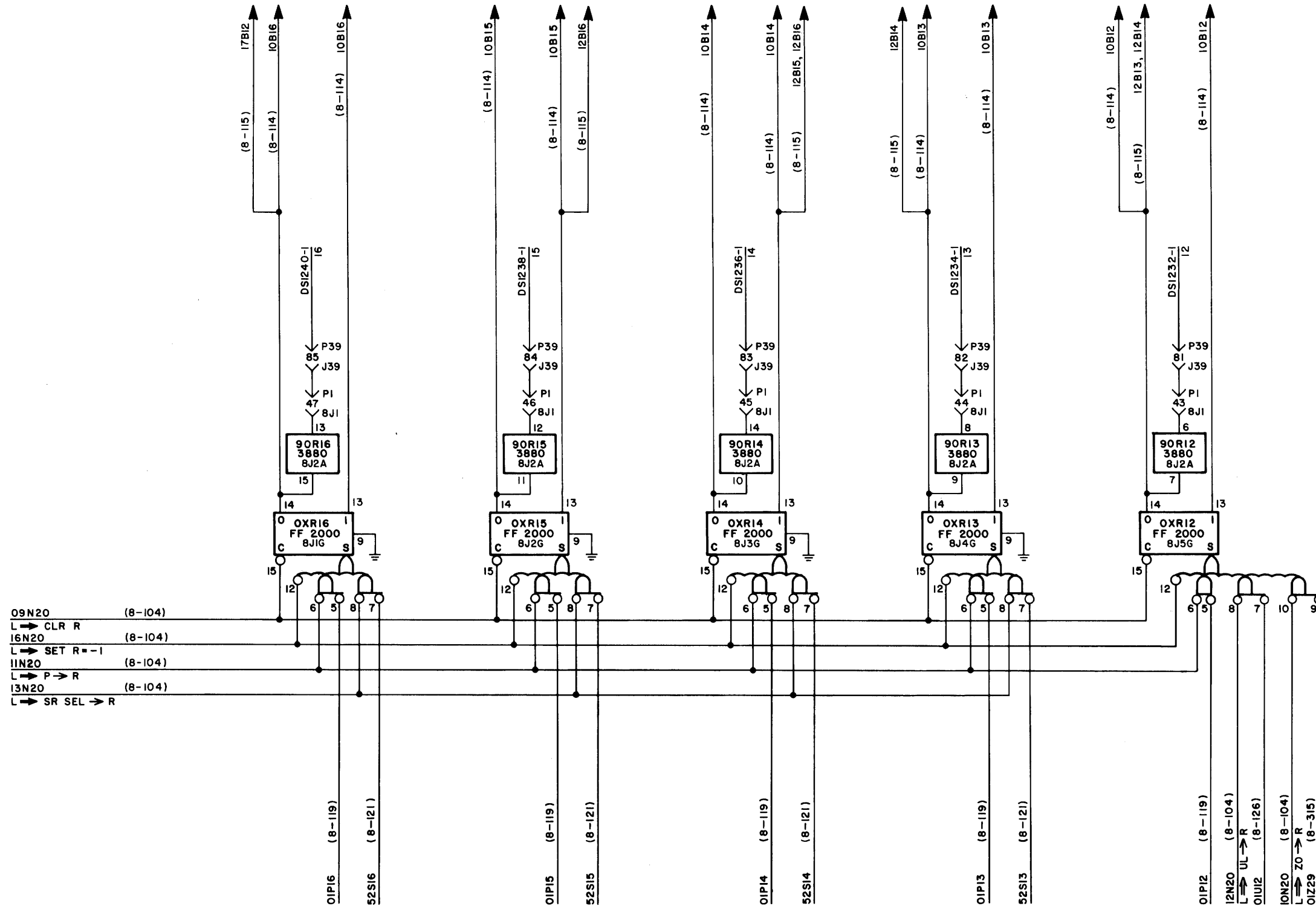
QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						

IDENT NO. 7032692-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREIN MAY NOT BE DISCLOSED IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCE OF 2 PLACE DECIMALS 3 PLACE DECIMALS ANGLES HOLE DIAMETER TOLERANCE 0 THRU .250 +.003 +.005 +.010 .251 THRU .500 +.003 +.005 +.010 .501 & LARGER +.005 +.010 THREADS EXCL. INT. CL. 2B MATERIAL FINISH	LAYOUT DRAFTSMAN R. BRASKI	DATE 2-22-65	CLASS A
	CHECKER B. POPOV	ENGINEER D. HAIR	TITLE FUNCTIONAL SCHEMATIC, R REGISTER BITS O6-11
APPROVAL <i>[Signature]</i>	APPLICATION EQUIPMENT	CODE IDENT NO. 90536	SIZE D
COMMODITY CODE	DWG NO. 7032692	SCALE	SHEET OF

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED
A		71689	SEE EIR	SP/valley/M/M



09N20 (8-104)
 L → CLR R
 16N20 (8-104)
 L → SET R = -1
 11N20 (8-104)
 L → P → R
 13N20 (8-104)
 L → SR SEL → R

FIGURE 8-107

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL							
UNLESS OTHERWISE SPECIFIED						LAYOUT	
DIMENSION IN INCHES TOLERANCE ON						DATE	
2 PLACE DECIMALS ± .005						CLASS	
3 PLACE DECIMALS ± .0005						A	
HOLE DIAMETER TOLERANCE						DRAFTSMAN	
0 THRU .250 ± .003						R. BRASKI	
.251 THRU .500 ± .002						CHECKER	
.501 & LARGER ± .010						B. POPOV	
THREADS EXCEPT INT CL 2B						ENGINEER	
FINISH						D. HAIR	
APPROVAL						APPROVAL	
COMMODITY CODE						8/15/65	
NEXT ASSEMBLY EQUIPMENT APPLICATION						DATE	
DATE						2-23-65	
CLASS						TITLE	
A						FUNCTIONAL SCHEMATIC, R REGISTER BITS 12-16	
CODE IDENT NO.						SIZE	
90536						D	
DWG NO.						7032693	
SCALE						SHEET OF	

IDENT NO. 7032693-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:
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REVISIONS			DATE	APPROVED
SYM	ZONE	EIR	DESCRIPTION	
A		71689	SEE EIR	
B		77400	SEE EIR	
C		E13396	COMPUTER I/O MOD	
D		4270	HOLD TIMEOUT CORRECTION	

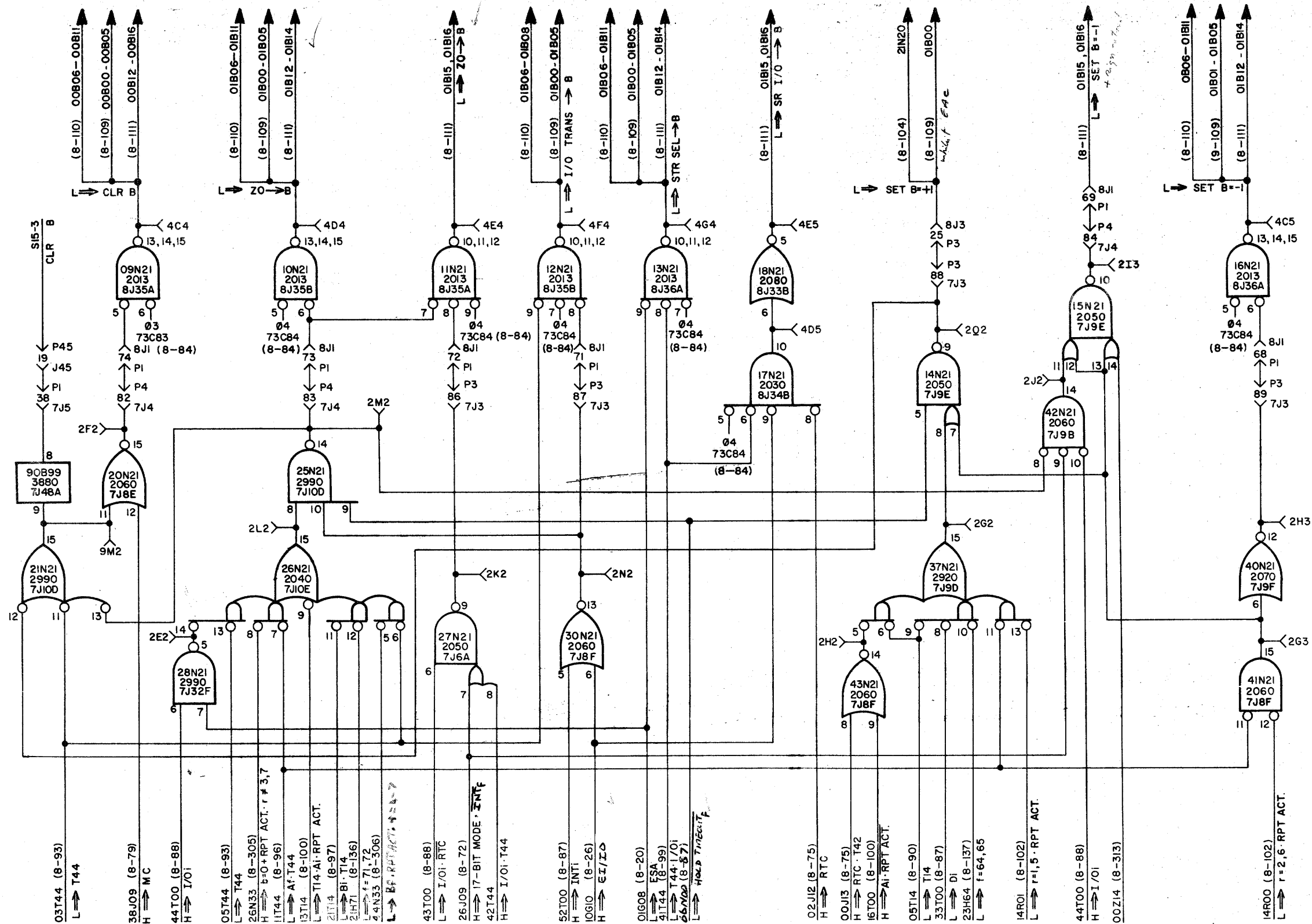


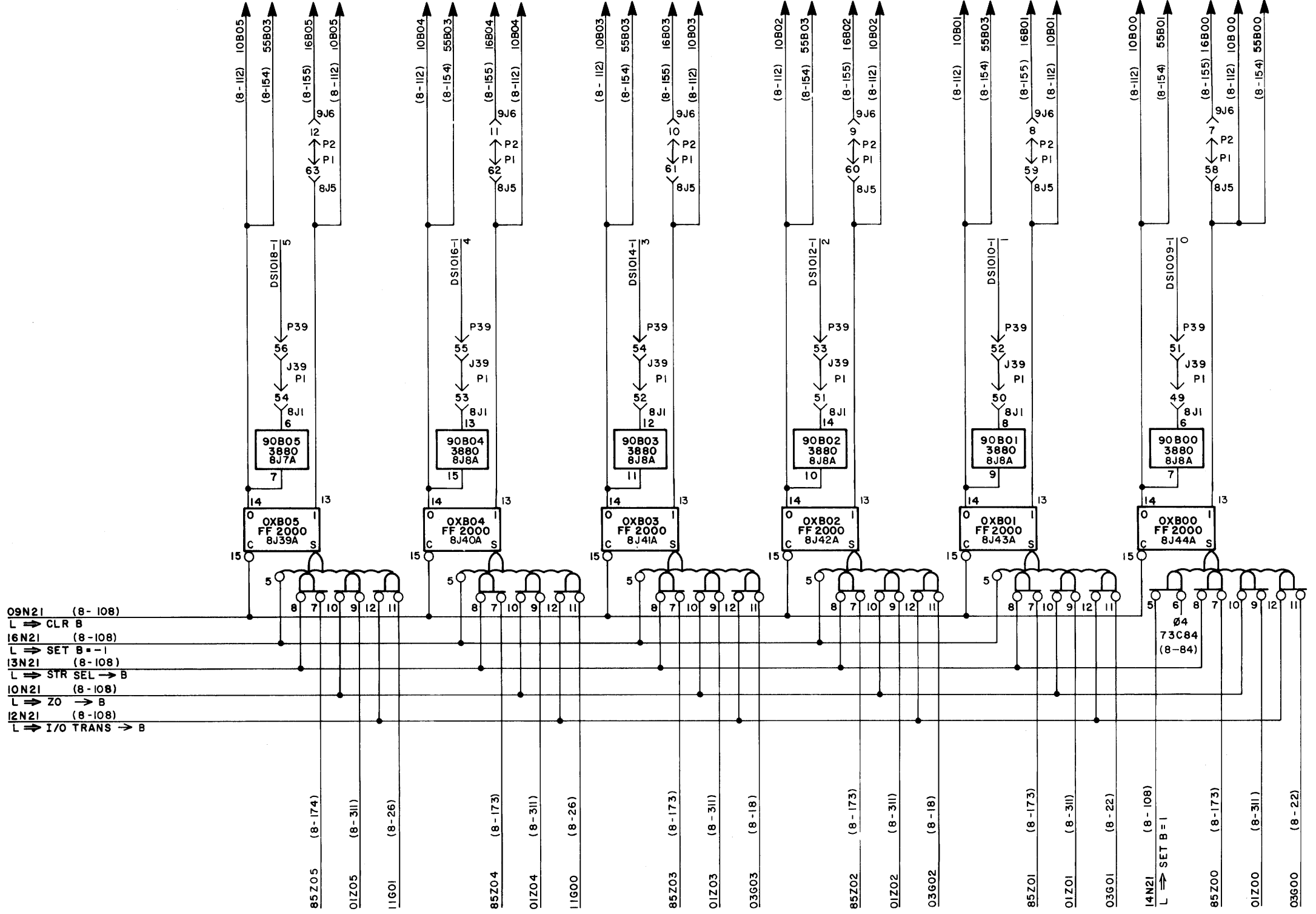
FIGURE 8-108

IDENT NO. 7032686-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

UNLESS OTHERWISE SPECIFIED:		LAYOUT		DATE		CLASS	
DIMENSION IN INCHES TOLERANCE ON:		R M BECKMAN		5-20-65		A	
2 PLACE DECIMALS		DRAWN		CHECKER		TITLE	
3 PLACE DECIMALS		B POPOV		D HAIR		FUNCTIONAL SCHEMATIC, B REGISTER COMMAND ENABLES	
ANGLE'S		ENGINEER		APPROVAL		CODE IDENT NO. 90536	
HOLE DIAMETER TOLERANCE:		D HAIR		9-15-65		SIZE D	
0 THRU .250 ± .003		D HAIR		9-15-65		DWG NO. 7032686	
.251 THRU .500 ± .005		D HAIR		9-15-65		SCALE	
.501 & LARGER ± .010		D HAIR		9-15-65		WEIGHT	
THREADS EXCEPT AS NOTED		D HAIR		9-15-65		SHEET 1 OF 1	
MATERIAL		D HAIR		9-15-65			
FINISH		D HAIR		9-15-65			

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	APPROVED



- 09N21 (8-108)
L → CLR B
- 16N21 (8-108)
L → SET B = -1
- 13N21 (8-108)
L → STR SEL → B
- 10N21 (8-108)
L → ZO → B
- 12N21 (8-108)
L → I/O TRANS → B

INDICATOR to B
 EI 2000
 ID 4000
 OD 4000
 ER 2000
 IC 4000
 E.I. 2000

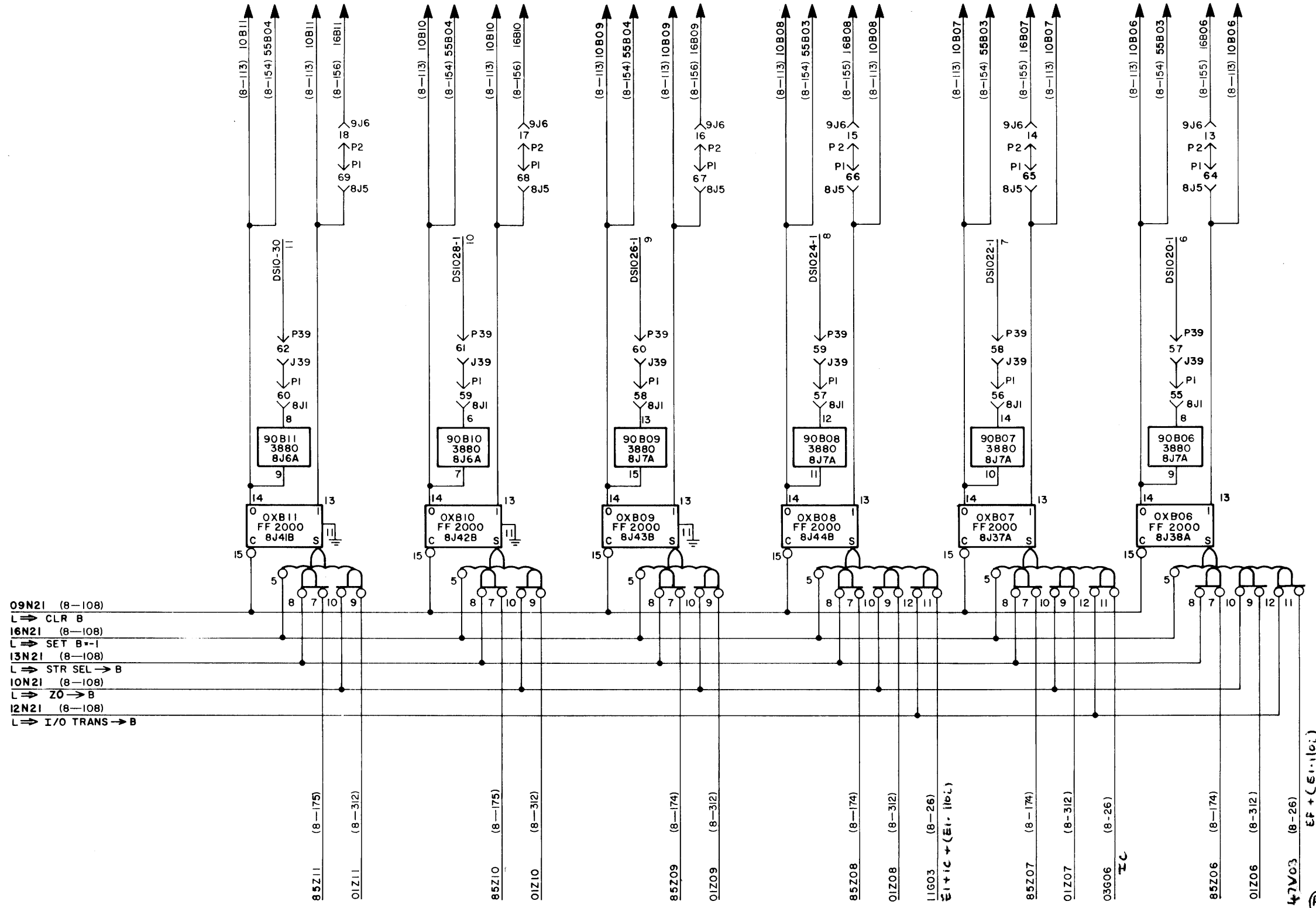
FIGURE 8-109

QTY	FIND	REF DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL	

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS ± .005 ANGLES ± .010 HOLE DIAMETER TOLERANCE 0 THRU .250 ± .005 .251 THRU .500 ± .010 LARGER THAN .500 ± .010 THREADS: EXT. CL. 2B INT. CL. 2B	LAYOUT DATE CLASS DRAFTSMAN R. STEBBINS 23-65 CHECKER B. POPOV ENGINEER D. HAIR APPROVAL R. W. M... 9-15-65
IDENT NO. 7032678-00	TITLE FUNCTIONAL SCHEMATIC B REGISTER BITS 00-05
THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT	CODE IDENT NO. 90536 SIZE D DWG NO. 7032678
ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE REPRODUCED IN ANY MANNER OR FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION	SCALE WEIGHT SHEET OF

REV	DATE	BY	DESCRIPTION
A	E13215	EMU CHANNEL PRIORITY CHANGE	



- 09N21 (8-108)
- L → CLR B
- 16N21 (8-108)
- L → SET B-1
- 13N21 (8-108)
- L → STR SEL → B
- 10N21 (8-108)
- L → Z0 → B
- 12N21 (8-108)
- L → I/O TRANS → B

FIGURE 8-110

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL		
QTY	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION

IDENT NO. 7075190-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNITED STATES GOVERNMENT. UNLESS INDICATED OTHERWISE, INFORMATION AND TECHNICAL DATA ARE UNCLASSIFIED AND PUBLICLY AVAILABLE.

UNLESS OTHERWISE SPECIFIED:	LAYOUT	DATE	CLASS
DIMENSION IN INCHES: TOLERANCE ON FRACTIONS: ±.005 DECIMALS: ±.010	DRAFTSMAN R. C. PETERSON	12-8-66	TITLE FUNCTIONAL SCHEMATIC B REGISTER BITS 06-11
HOLE DIAMETER TOLERANCE: Ø THRU .250: ±.005 Ø THRU .500: ±.010 Ø LARGER: ±.015	CHECKER R. E. STRELNIKS	3-31-67	ENGINEER D. HAIR
THREADS: EXCEPT AS NOTED, INT. CL. 2B	APPROVAL <i>D. Hair</i>	5-31-67	CODE IDENT NO. 90536
MATERIAL	APPLICATION		SIZE D
FINISH			DWG NO. 7075190

UNIVAC
DIVISION OF SPERRY RAND CORPORATION

SCALE WEIGHT SHEET 1 OF 1

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED

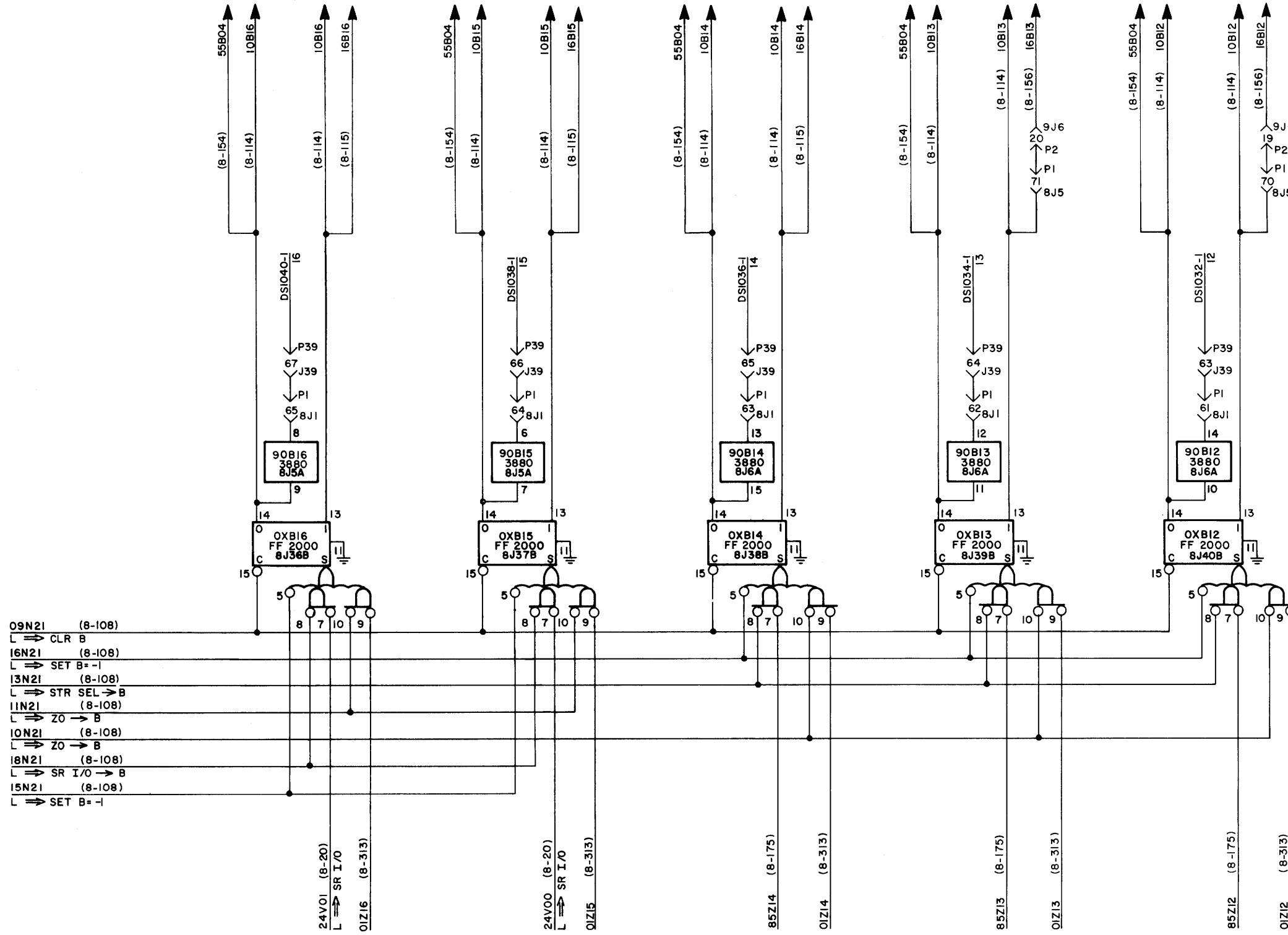


FIGURE 8-III

- 09N21 (8-108)
L ⇒ CLR B
- 16N21 (8-108)
L ⇒ SET B=-1
- 13N21 (8-108)
L ⇒ STR SEL → B
- 11N21 (8-108)
L ⇒ ZO → B
- 10N21 (8-108)
L ⇒ ZO → B
- 18N21 (8-108)
L ⇒ SR I/O → B
- 15N21 (8-108)
L ⇒ SET B=-1

24V01 (8-20)
L ⇒ SR I/O
01Z16 (8-313)

24V00 (8-20)
L ⇒ SR I/O
01Z15 (8-313)

85Z14 (8-175)
01Z14 (8-313)

85Z13 (8-175)
01Z13 (8-313)

85Z12 (8-175)
01Z12 (8-313)

IDENT NO. 7032680-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNLESS OTHERWISE SPECIFIED			LAYOUT			
DIMENSION IN INCHES. TOLERANCE OR 2 PLACE DECIMALS			DATE			
HOLE DIAMETER TOLERANCE			CLASS			
0 THRU .250			A			
.251 THRU .500			DRAFTSMAN			
.501 & LARGER			R. STEBBINS			
THREADS: EXT. CL. 2A, INT. CL. 2B			CHECKER			
MATERIAL			B. POPOV			
FINISH			ENGINEER			
NEXT ASSY			D. HAIR			
EQUIPMENT			APPROVAL			
APPLICATION			9.15.65			
COMMODITY CODE			UNIVAC			
			DIVISION OF SPERRY RAND CORPORATION			
			TITLE			
			FUNCTIONAL SCHEMATIC,			
			B REGISTER			
			BITS 12-16			
			CODE IDENT NO.			
			90536			
			SIZE			
			D			
			DWG NO.			
			7032680			
			SCALE			
			WEIGHT			
			SHEET			
			OF			

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED
A		71689	SEE EIR	art/ajp/klc 11/1/65
B		E13310	INTERCOMPUTER TIME OUT CHANGE	

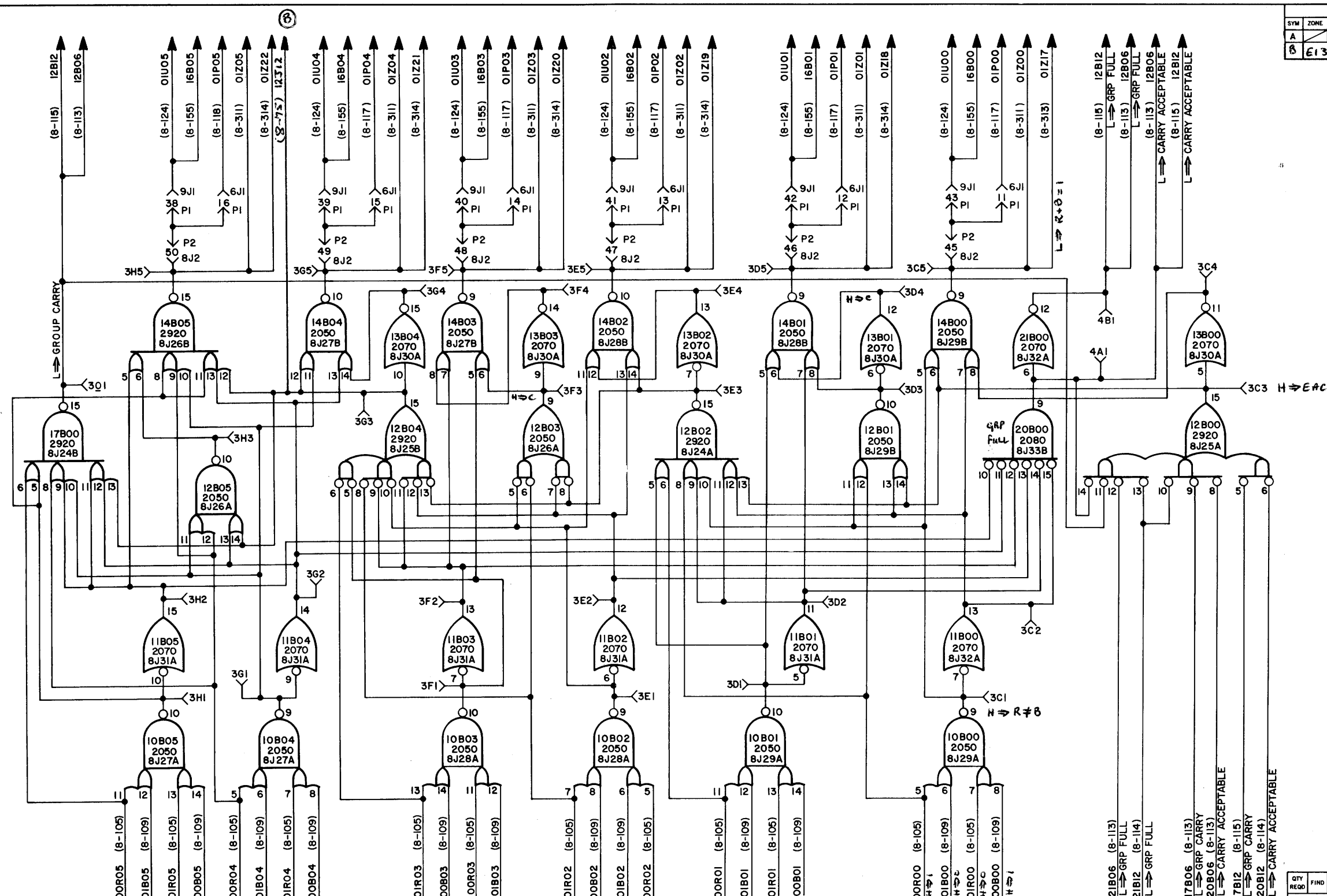


FIGURE 8-112

IDENT NO. 7032687-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENTS:

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UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE	CLASS	NOMENCLATURE OR DESCRIPTION	
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS ± .005		DRAFTSMAN G. S. WHEBBE		5-20-65	A	UNIVAC DIVISION OF SPERRY RAND CORPORATION	
HOLE DIAMETER TOLERANCE		CHECKER B. POPOV		9-15-65	TITLE		
+ .003 thru .250		ENGINEER D. HAIR		9-15-65	FUNCTIONAL SCHEMATIC, CONTROL ADDER BITS 00-05		
- .002 thru .003		APPROVAL			CODE IDENT NO.	SIZE	DWG NO.
THREADS: EXT. CL. 2A INT. CL. 2B		D. W. Meyer			90536	D	7032687
MATERIAL		FINISH		SCALE		WEIGHT	SHEET OF

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	DRK DATE APPROVED
A		71689	SEE EIR	<i>[Signature]</i> 7/15/65
B	E13310		INTERCOMPUTER TIMEOUT CHANGE	

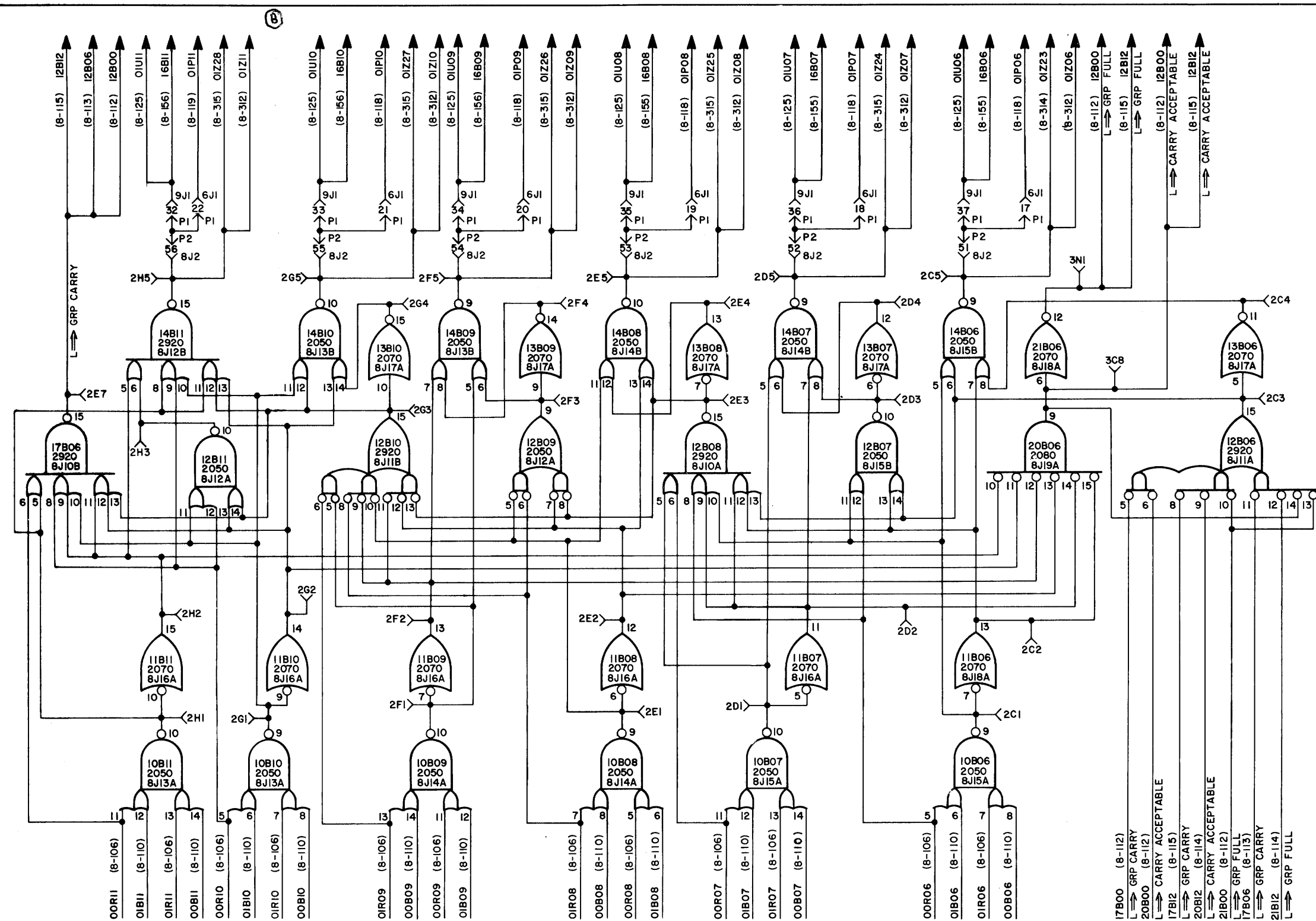


FIGURE 8-113

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

IDENT NO. 7032688-00

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UNLESS OTHERWISE SPECIFIED		LAYOUT	DATE	CLASS	UNIVAC	
DIMENSION IN INCHES. TOLERANCE ON		DRAFTSMAN	5-19-65	A	DIVISION OF SPERRY RAND CORPORATION	
2 PLACE DECIMALS ±		G. S. WHEBBE			TITLE	
3 PLACE DECIMALS ±		CHECKER			FUNCTIONAL SCHEMATIC,	
ANGLES ±		B. POPOV			CONTROL ADDER BITS 06-11	
HOLE DIAMETER TOLERANCE		ENGINEER			CODE IDENT NO.	
5 THRU 250 +.003		D. HAIR			SIZE	
251 THRU 500 +.010		APPROVAL			DWG NO.	
501 & LARGER +.015		<i>[Signature]</i>			90536	
THREADS, EXCEPT AS INT. CL. 2B					D	
MATERIAL					7032688	
FINISH					SCALE	
NEXT ASSEMBLY					WEIGHT	
EQUIPMENT					SHEET 1 OF 1	
APPLICATION						
COMMODITY CODE						

REVISIONS				
SYM	ZONE	EIR	CHK	DATE

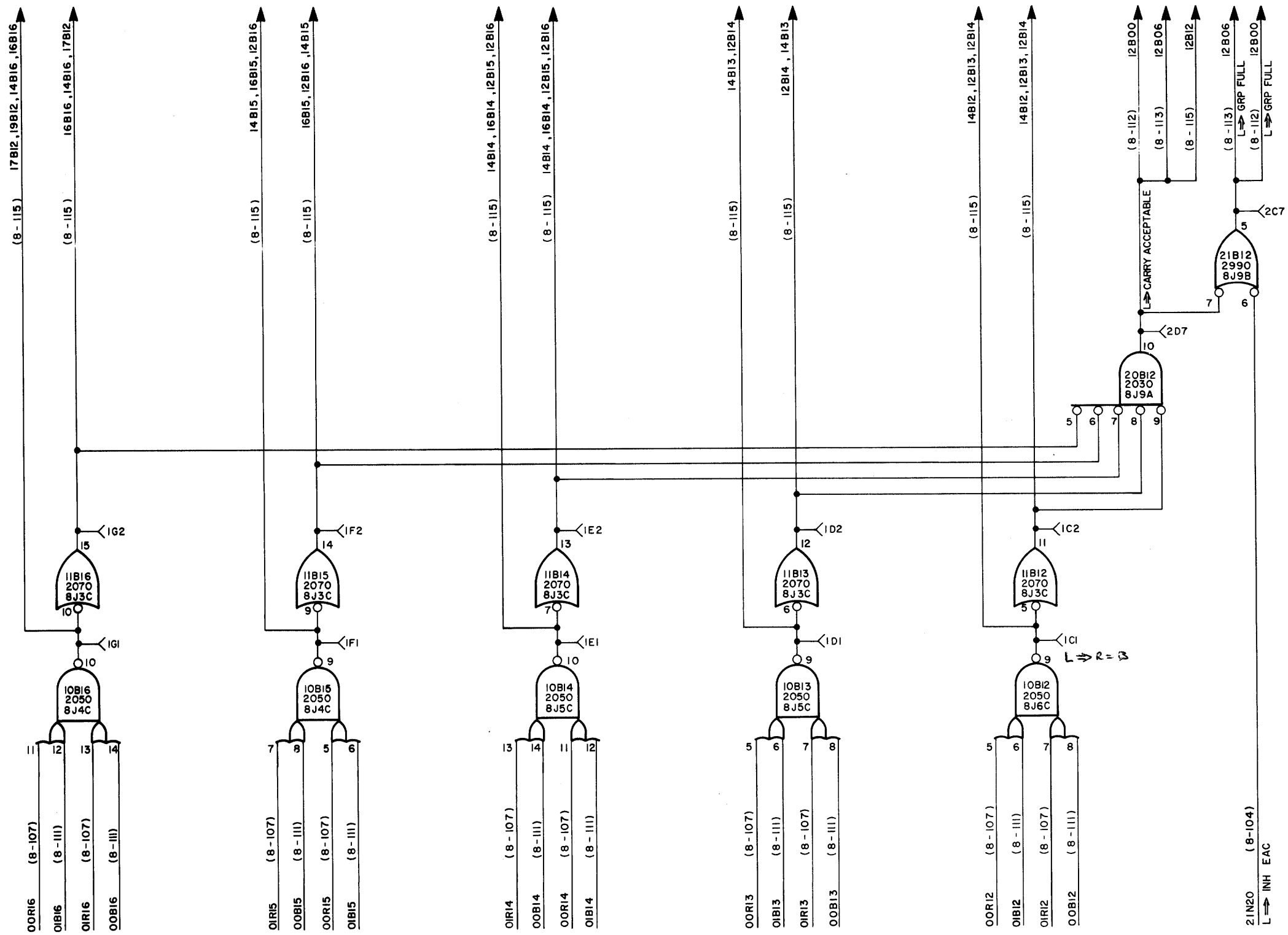


FIGURE 8-114

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL			

UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS	DRAFTSMAN	8-11-65	A
± .003	D. HEUTMAKER		
HOLE DIAMETER TOLERANCE	CHECKER		
0 THRU .350	B. POPOV		
± .003	ENGINEER		
.351 THRU .500	D. HAIR		
± .005	APPROVAL		
.501 & LARGER			
± .010			
± .005			
THREADS: EX. CL. 2A. INT. CL. 2B			
MATERIAL			
FINISH			

IDENT NO. 7032689-00	COMMODITY CODE	APPLICATION	EQUIPMENT	NEXT ASSY

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:	
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UNIVAC	DIVISION OF SPERRY RAND CORPORATION
FUNCTIONAL SCHEMATIC, CONTROL ADDER BITS 12-16	PART I
CODE IDENT NO. 90536	SIZE D
DWG NO. 7032689	
SCALE	WEIGHT
SHEET 1	OF 1

IDENT NO. 7032689-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DISCLOSED IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED
A		71689	SEE EIR	<i>[Signature]</i> <i>[Date]</i>
B	0166		FALSE CONFLICT NO. 2	

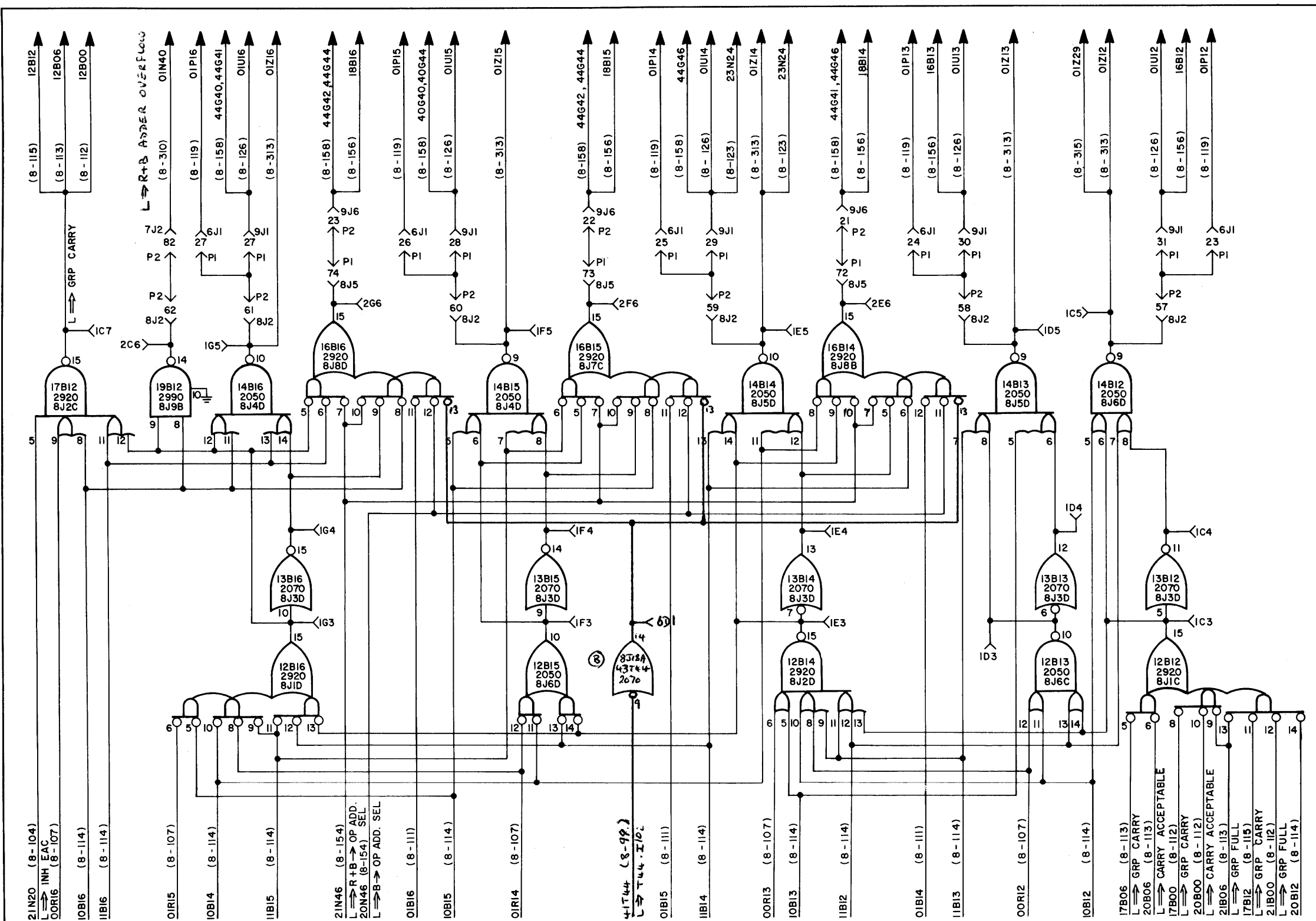


FIGURE 8-115

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

UNLESS OTHERWISE SPECIFIED
 DIMENSION IN INCHES. TOLERANCE ON
 2 PLACE DECIMALS ± .005
 3 PLACE DECIMALS ± .001
 ANGLES ± .005
 HOLE DIAMETER TOLERANCE
 0 THRU .250 ± .003
 .251 THRU .500 ± .002
 .501 & LARGER ± .005
 THREADS: EXPT. CL. 2A, INT. CL. 2B

IDENT NO. 7032941-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:
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LAYOUT		DATE	CLASS	UNIVAC DIVISION OF SPERRY RAND CORPORATION	
DRAFTSMAN R. THORSON		8-12-65	A	TITLE FUNCTIONAL SCHEMATIC, CONTROL ADDER, BITS 12-16 PART 2	
CHECKER B. POPOV		<i>[Signature]</i>		CODE IDENT NO.	SIZE
ENGINEER D. HAIR		<i>[Signature]</i>		90536	D
APPROVAL <i>[Signature]</i>				DWG NO.	7032941
COMMODITY CODE				SCALE	WEIGHT
APPLICATION				SHEET 1 OF 1	

REVISIONS			
SYM	ZONE	REV	DESCRIPTION
A	3508		COMPUTER TIMING CORRECTION.
B	4002		CDM & EI STATUS LOGIC CORRECTION.

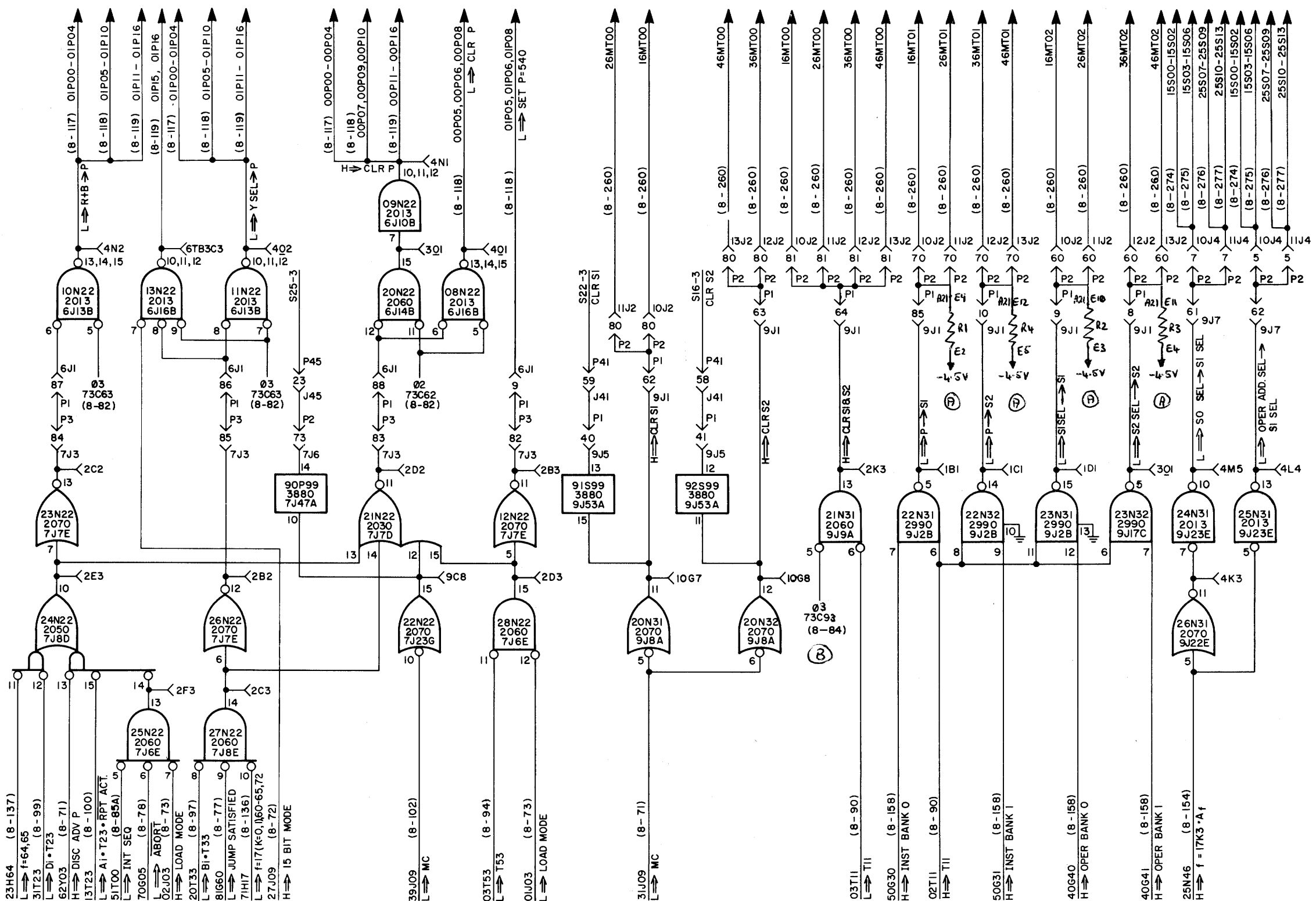


FIGURE 8-116

QTY	FIND	REF	DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL			
UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES TOLERANCE ON 2 PLACE DECIMALS	DRAFTSMAN	1-26-67	A
3 PLACE DECIMALS	G.R. THOMPSON		
ANGLES	CHECKER	5-31-67	
HOLE DIAMETER TOLERANCE	R.E. STRELNIKS		
0 THRU .250			
.003			
.005			
.010			
.015			
.020			
.030			
.050			
.075			
.100			
.125			
.150			
.200			
.250			
.300			
.375			
.450			
.500			
.625			
.750			
.875			
1.000			
1.125			
1.250			
1.375			
1.500			
1.625			
1.750			
1.875			
2.000			
2.125			
2.250			
2.375			
2.500			
2.625			
2.750			
2.875			
3.000			
3.125			
3.250			
3.375			
3.500			
3.625			
3.750			
3.875			
4.000			
4.125			
4.250			
4.375			
4.500			
4.625			
4.750			
4.875			
5.000			
5.125			
5.250			
5.375			
5.500			
5.625			
5.750			
5.875			
6.000			
6.125			
6.250			
6.375			
6.500			
6.625			
6.750			
6.875			
7.000			
7.125			
7.250			
7.375			
7.500			
7.625			
7.750			
7.875			
8.000			
8.125			
8.250			
8.375			
8.500			
8.625			
8.750			
8.875			
9.000			
9.125			
9.250			
9.375			
9.500			
9.625			
9.750			
9.875			
10.000			
10.125			
10.250			
10.375			
10.500			
10.625			
10.750			
10.875			
11.000			
11.125			
11.250			
11.375			
11.500			
11.625			
11.750			
11.875			
12.000			
12.125			
12.250			
12.375			
12.500			
12.625			
12.750			
12.875			
13.000			
13.125			
13.250			
13.375			
13.500			
13.625			
13.750			
13.875			
14.000			
14.125			
14.250			
14.375			
14.500			
14.625			
14.750			
14.875			
15.000			

IDENT NO. 7075240-00

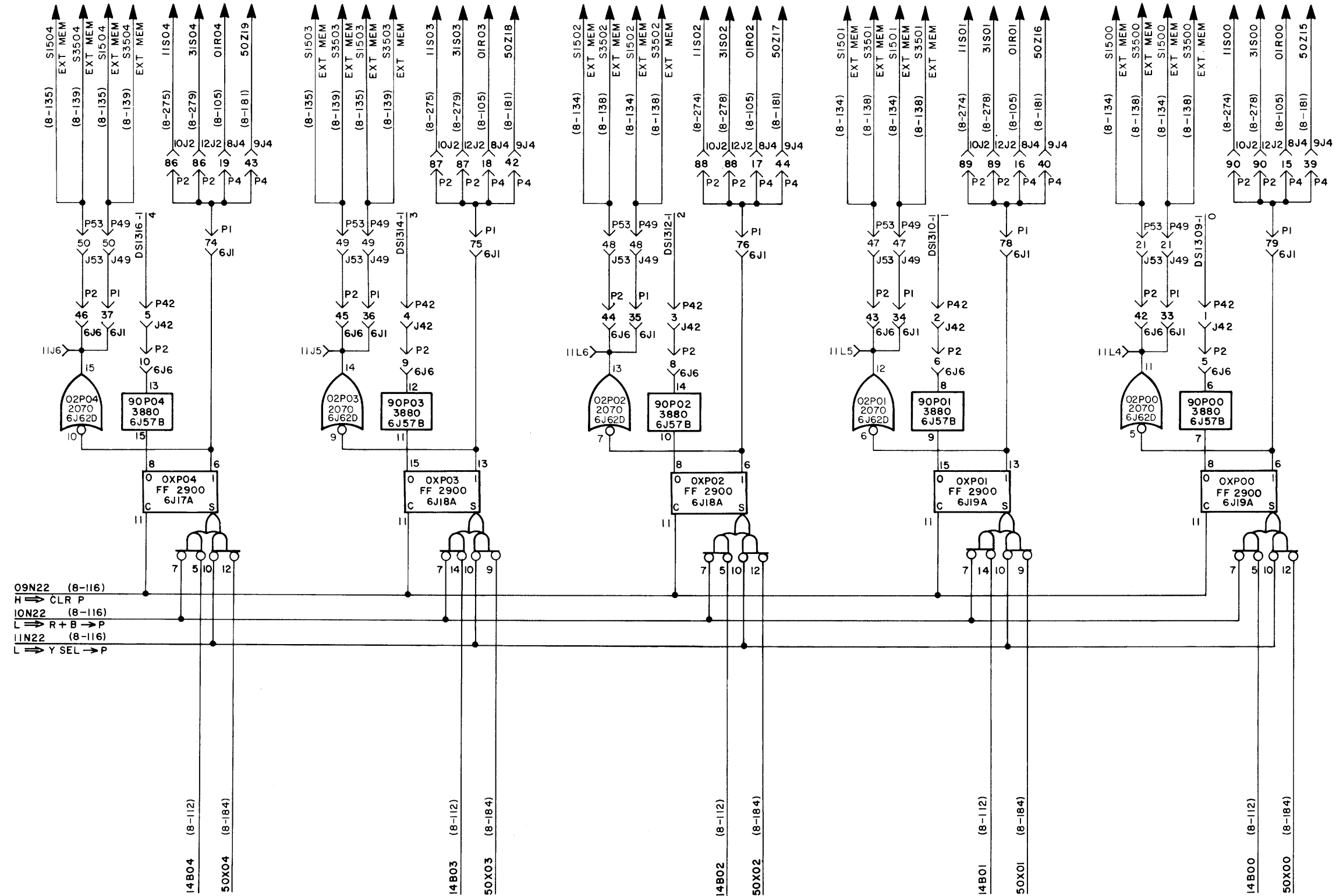
THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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UNLESS OTHERWISE SPECIFIED	FINISH
DIMENSION IN INCHES TOLERANCE ON 2 PLACE DECIMALS	AS MANUFACTURED
3 PLACE DECIMALS	AS MANUFACTURED
ANGLES	AS MANUFACTURED
HOLE DIAMETER TOLERANCE	AS MANUFACTURED
0 THRU .250	AS MANUFACTURED
.251 THRU .500	AS MANUFACTURED
.501 & LARGER	AS MANUFACTURED
THREADS: EXT. CL. 2A, INT. CL. 2B	AS MANUFACTURED

DATE	CLASS
1-26-67	A

UNIVAC			
DIVISION OF SPERRY RAND CORPORATION			
TITLE		CODE IDENT. NO.	SIZE
FUNCTIONAL SCHEMATIC, P REGISTER, SI & S2 COMMAND ENABLES		90536	D
DRAWN BY		DATE	
G.R. THOMPSON		3-31-67	
CHECKED BY		DATE	
R.E. STRELNIKS		5-31-67	
ENGINEER		DATE	
D. FREE		3-31-67	
APPROVAL		DATE	
[Signature]		3-31-67	
SCALE		WEIGHT	SHEET OF
			1 OF 1



09N22 (8-116)
H → CLR P
10N22 (8-116)
L → R + B → P
11N22 (8-116)
L → Y SEL → P

14B04 (8-112) 50X04 (8-184)
14B03 (8-112) 50X03 (8-184)
14B02 (8-112) 50X02 (8-184)
14B01 (8-112) 50X01 (8-184)
14B00 (8-112) 50X00 (8-184)

FIGURE 8-117

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
			CLASS	UNIVAC		
			DRAFTSMAN	DIVISION OF SPERRY RAND CORPORATION		
			DATE	12-9-66		
			CHECKER	B. POPOV		
			ENGINEER	D. HAIR		
			APPROVAL	3-31-67		
			CODE IDENT NO.	SIZE	DWG NO.	
			90536	D	7075191	
			SCALE	WEIGHT	SHEET OF	

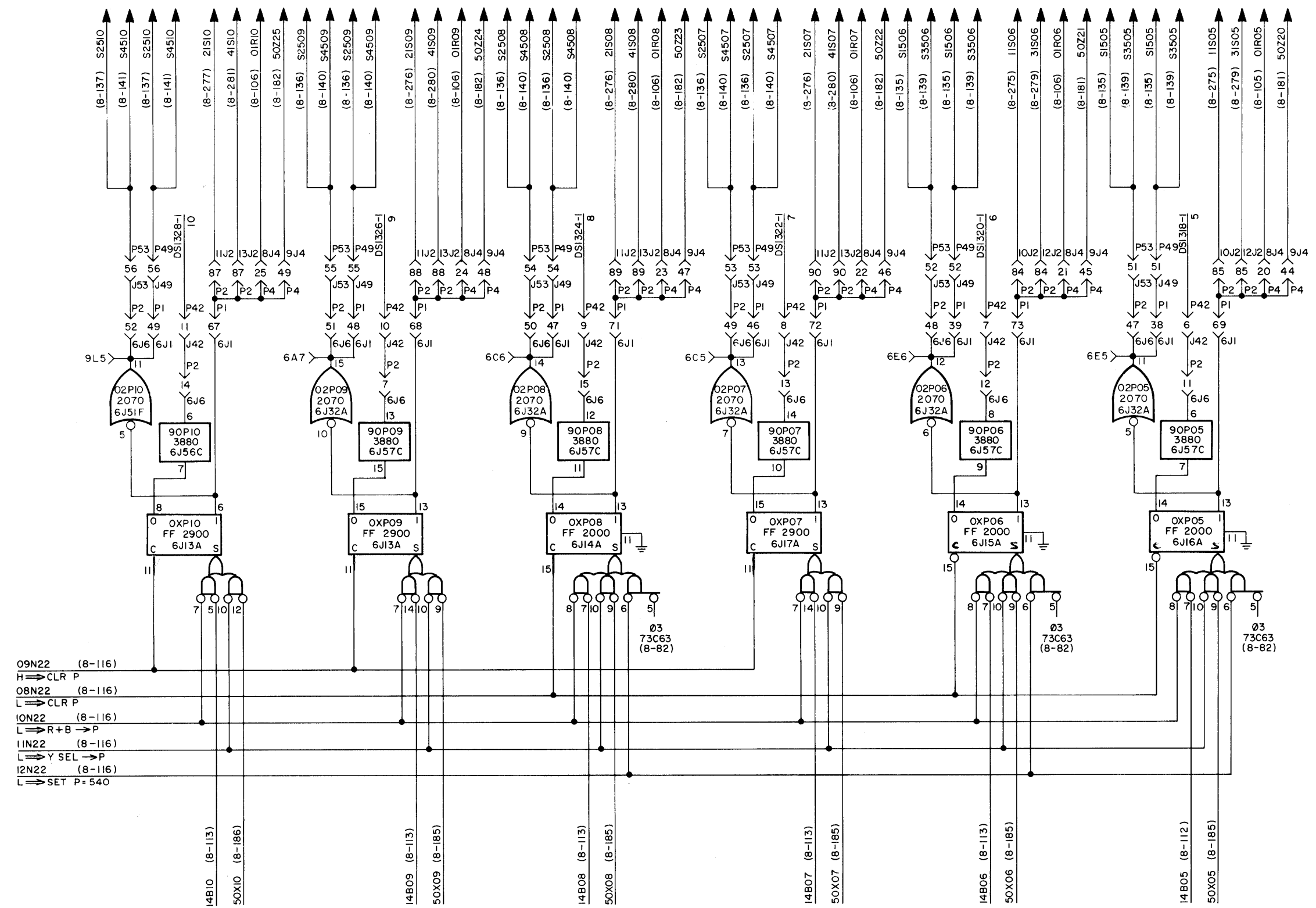
IDENT NO. 7075191-00

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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES, TOLERANCE ON PLACE	3 PLACE DECIMALS
HOLE DIAMETER TOLERANCE	0 THRU .250 +.003 .251 THRU .500 +.005 .501 & LARGER +.010
THREADS	EXT. UNF, INT. CL 2B
MATERIAL	
FINISH	
APPLICATION	
NEXT ASSY	EQUIPMENT
COMMODITY CODE	

REVISIONS						
ZONE	LTR	EIR	DESCRIPTION - FOR DETAILS SEE EIR	CHK	DATE	APPROVED



09N22 (8-116)
 H → CLR P
 08N22 (8-116)
 L → CLR P
 10N22 (8-116)
 L → R + B → P
 11N22 (8-116)
 L → Y SEL → P
 12N22 (8-116)
 L → SET P = 540

FIGURE 8-118

IDENT NO. 7075192-00

UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES TOL. ON 2 PLACE 3 PLACE ANGLES DECIMALS DECIMALS	LAYOUT	DATE	CLASS	UNIVAC DEFENSE SYSTEMS DIVISION DIVISION OF SPERRY RAND CORPORATION UNIVAC PARK, ST. PAUL, MINN. 55118
	DRAFTSMAN D. LODGE	12106	A	
HOLE DIA. TOL. 0 THRU .251 X THRU .501 AND + .003 + .005 + .010 - .002 - .003 - .005	CHECKER B. POPOV	3-31-67	TITLE	FUNCTIONAL SCHEMATIC, P REGISTER BITS 05-10
THREADS: EXT. CL 2A, INT. CL 2B COMMODITY CODE	ENGINEER D. HAIR	3-31-67	SIZE	
	APPROVAL <i>[Signature]</i>	3-31-67	NO.	DWG NO.
			90536	7075192
			SCALE	WEIGHT
				SHEET 1 OF 1

REVISIONS						
ZONE	LTR	EIR	DESCRIPTION - FOR DETAILS SEE EIR	CHK	DATE	APPROVED

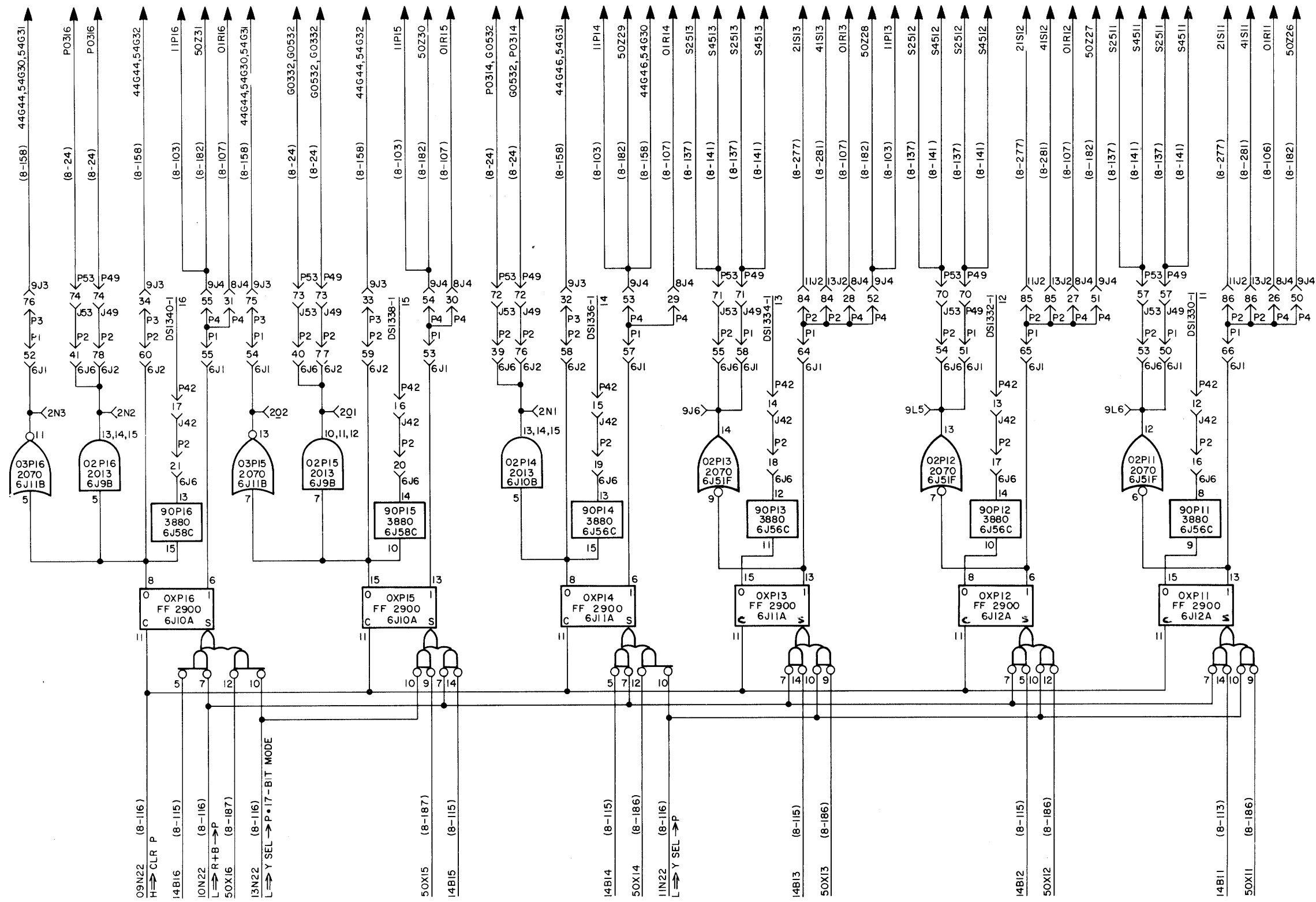


FIGURE 8-119

IDENT NO. 7075193-00

UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES TOL. 2 PLACE 3 PLACE DECIMALS DECIMALS ANGLES + + + - - - HOLE DIA. TOL. 0 THRU .251 THRU .501 AND LARGER + .003 + .005 + .010 - .002 - .003 - .005 THREADS: EXT. CL 2A, INT. CL 2B COMMODITY CODE	LAYOUT	DATE	CLASS	UNIVAC DEFENSE SYSTEMS DIVISION DIVISION OF SPERRY RAND CORPORATION UNIVAC PARK, ST. PAUL, MINN. 55118
		12-12-6	A	
DRAFTSMAN D. LODGE		TITLE FUNCTIONAL SCHEMATIC, P REGISTER BITS 11-16		
CHECKER B. POPOV		ENGINEER D. HAIR		
APPROVAL <i>[Signature]</i>		SIZE	CODE IDENT. NO.	DWG NO.
		D	90536	7075193
SCALE		WEIGHT	SHEET 1 OF 1	

REVISIONS				DATE	APPROVED
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVED
A			SEE EIR	10/22/65	J.H.H.

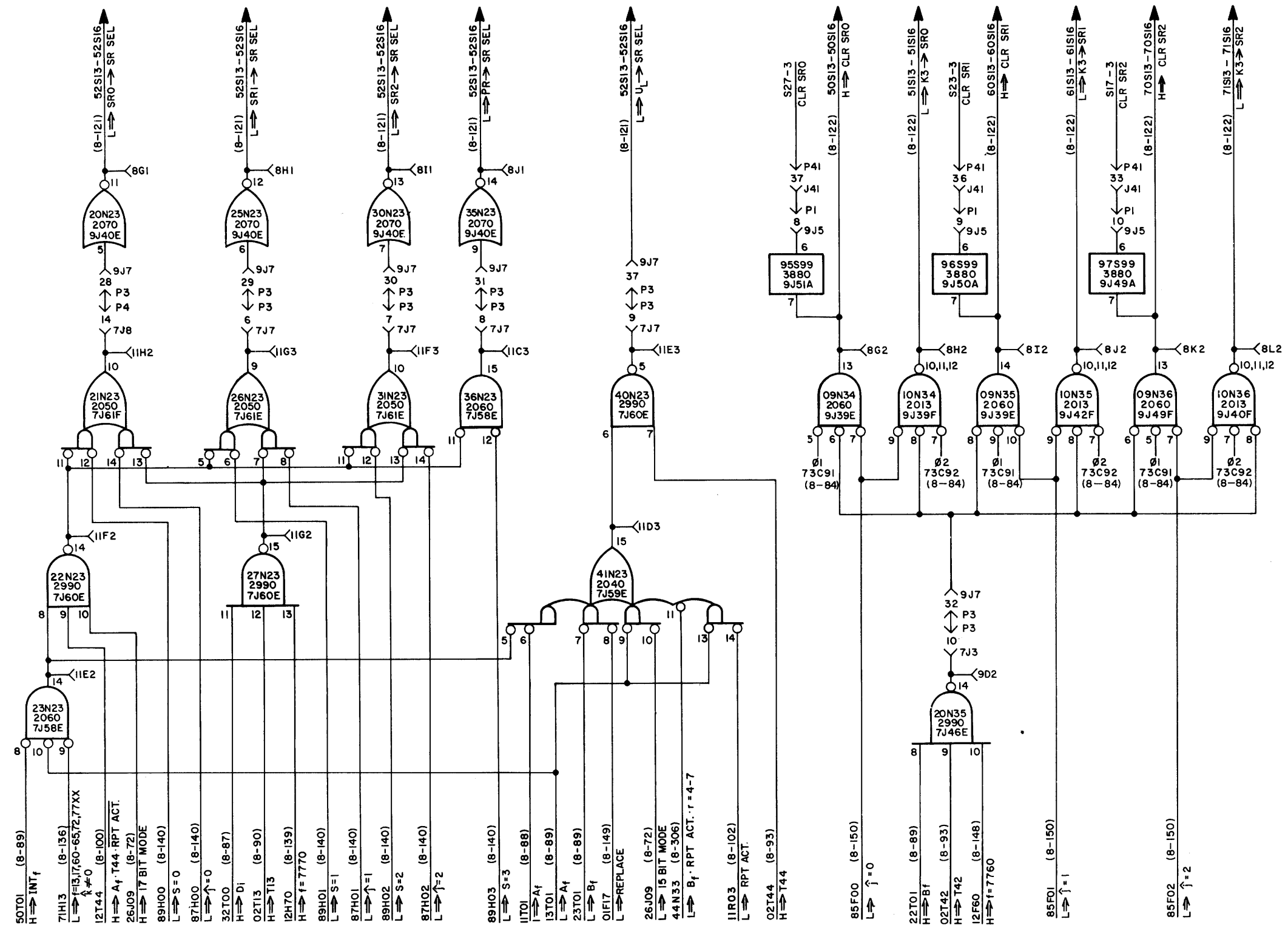


FIGURE 8-120

IDENT NO. 7032660-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES	TOLERANCE
2 PLACE DECIMALS	± 0.005
3 PLACE DECIMALS	± 0.002
ANGLES	± 0.005
HOLE DIAMETER TOLERANCE	
0 THRU .390	± 0.003
.391 THRU .500	± 0.004
.501 & LARGER	± 0.010
THREADS: EXT. CL. 2A, INT. CL. 2B	
MATERIAL	FINISH
APPLICATION	
NEXT ASSY	EQUIPMENT
COMMODITY CODE	

LAYOUT		DATE	CLASS	LIST OF MATERIAL	
DRAFTSMAN		5-4-65	A	UNIVAC	
CHECKER				DIVISION OF SPERRY RAND CORPORATION	
ENGINEER				TITLE	
APPROVAL				FUNCTIONAL SCHEMATIC, SR & SR SELECT CONTROL	
CODE IDENT NO.	SIZE	DWG NO.	90536 D 7032660		
SCALE	WEIGHT	SHEET OF			

REVISIONS				
SYM	ZONE	EJR	DESCRIPTION	CHK DATE APPROVED

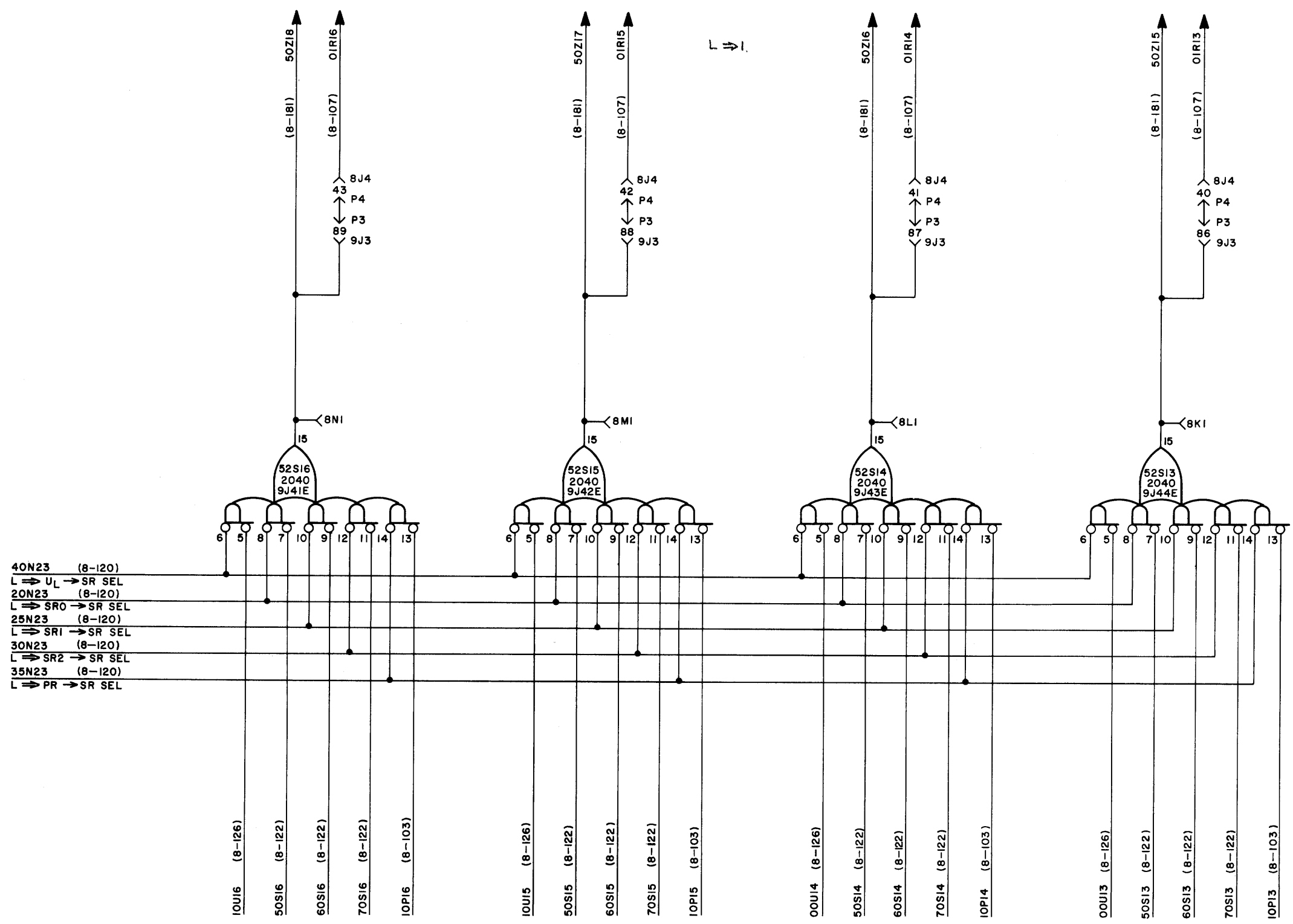


FIGURE 8-121

QTY	FIND	REF DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

IDENT NO. 7032666-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:
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UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS ± .005 3 PLACE DECIMALS ± .001 ANGLE ± .005 HOLE DIAMETER TOLERANCE 0 THRU .250 ± .005 .251 THRU .500 ± .010 .501 & LARGER ± .015 THREADS: EXT. CL 2A, INT. CL 2B MATERIAL FINISH	LAYOUT	DATE	CLASS	UNIVAC DIVISION OF SPERRY RAND CORPORATION FUNCTIONAL SCHEMATIC, SR SELECT
	DRAFTSMAN V. STEEBER	5-21-65	A	
	CHECKER B. POPOV	9/15/65		
	ENGINEER D. HAIR	9-15-65		
NEXT ASSY	EQUIPMENT	APPROVAL D. Hair	9-15-65	CODE IDENT NO. 90536 SIZE D DWG NO. 7032666
APPLICATION	COMMODITY CODE	FINISH	SCALE	WEIGHT SHEET 1 OF 1

REVISIONS				
SYM	ZONE	ERR	DESCRIPTION	CHK DATE APPROVED

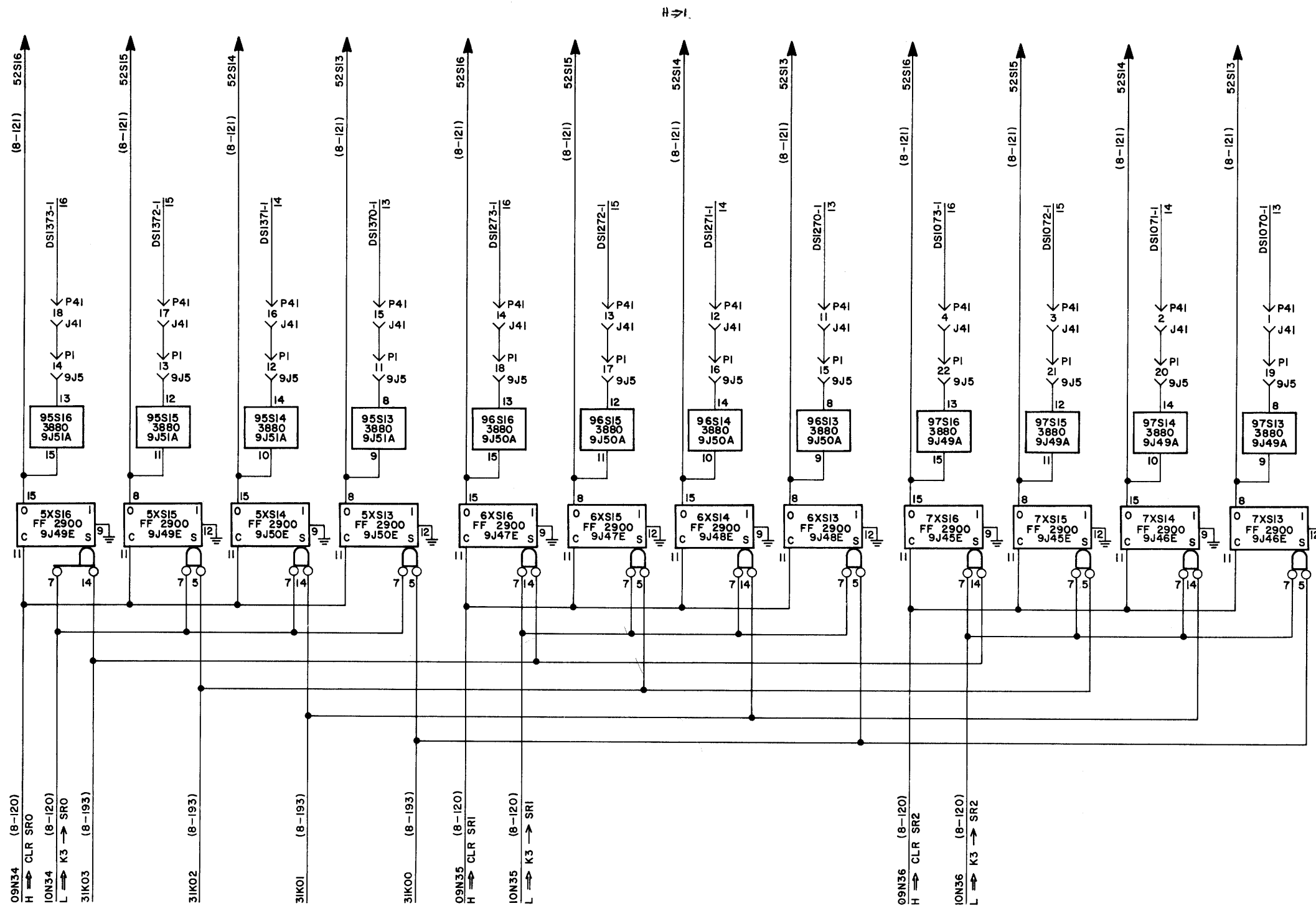


FIGURE 8-122

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

UNLESS OTHERWISE SPECIFIED		LAYOUT	DATE	CLASS
2 PLACE DECIMALS	3 PLACE DECIMALS	DRAFTSMAN	5-6-65	A
±	±	D. KOIVU		
HOLD DIAMETER TOLERANCE		CHECKER		
0 THRU .250 +.003	.251 THRU .500 +.005	B. POPOV		
	.501 & LARGER +.010	ENGINEER		
		D. HAIR		
		APPROVAL		

COMMODITY CODE	APPLICATION	EQUIPMENT	FINISH

CODE IDENT NO.	SIZE	DWG NO.
90536	D	7032668

IDENT NO. 7032668-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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REVISIONS			
SYM	ZONE	EIR	DESCRIPTION
A	Ei3321		17 BIT MODE INTERRUPT JUMP

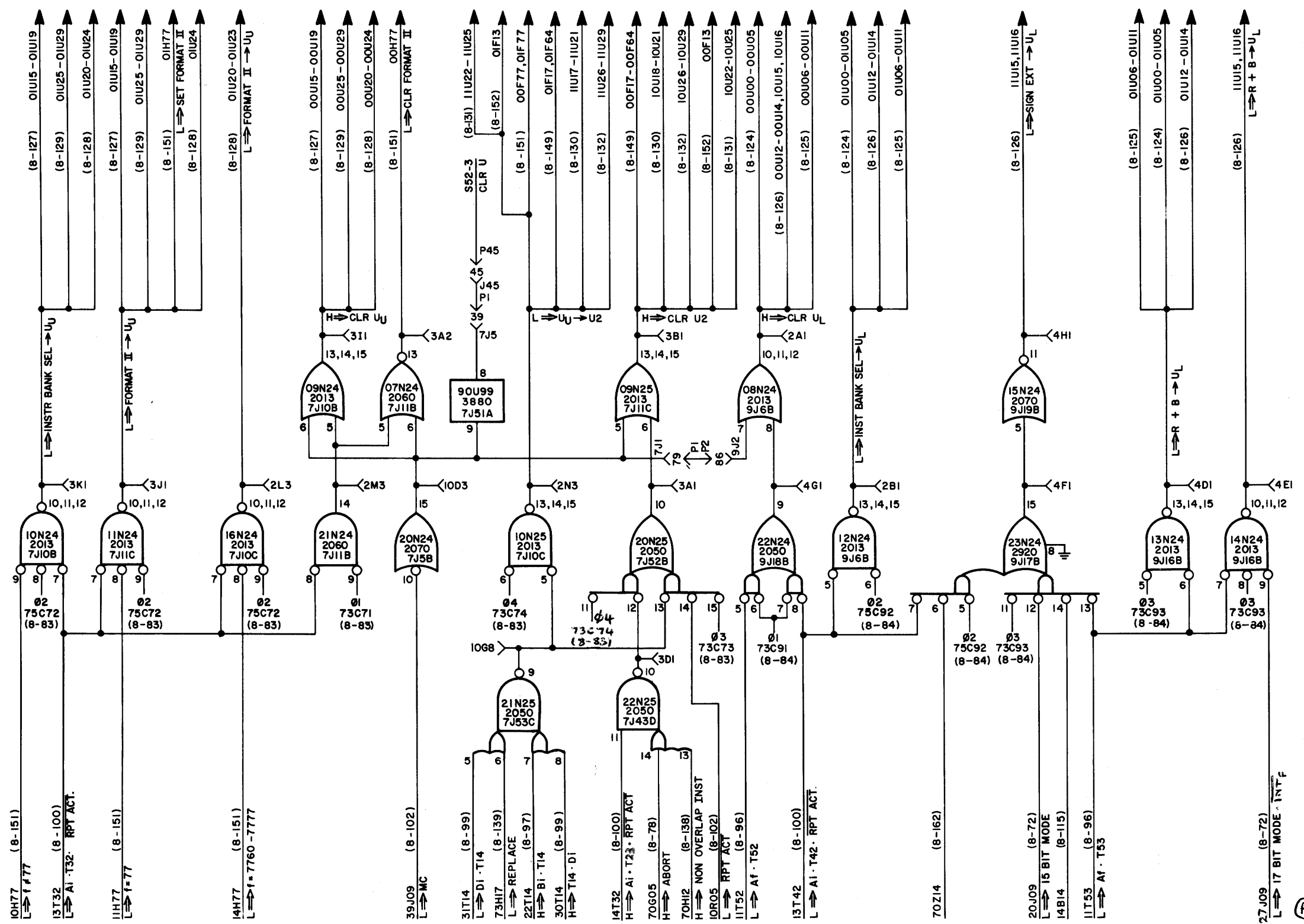


FIGURE 8-123

IDENT NO. 7075246-00

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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES	TOLERANCE ON
2 PLACE DECIMALS	3 PLACE DECIMALS
+	±
HOLE DIAMETER TOLERANCE	
0 THRU .250	±.005
.251 THRU .500	±.010
.501 & LARGER	±.015
THREADS: EXP. CL. 2A, INT. CL. 2B	
MATERIAL	
FINISH	

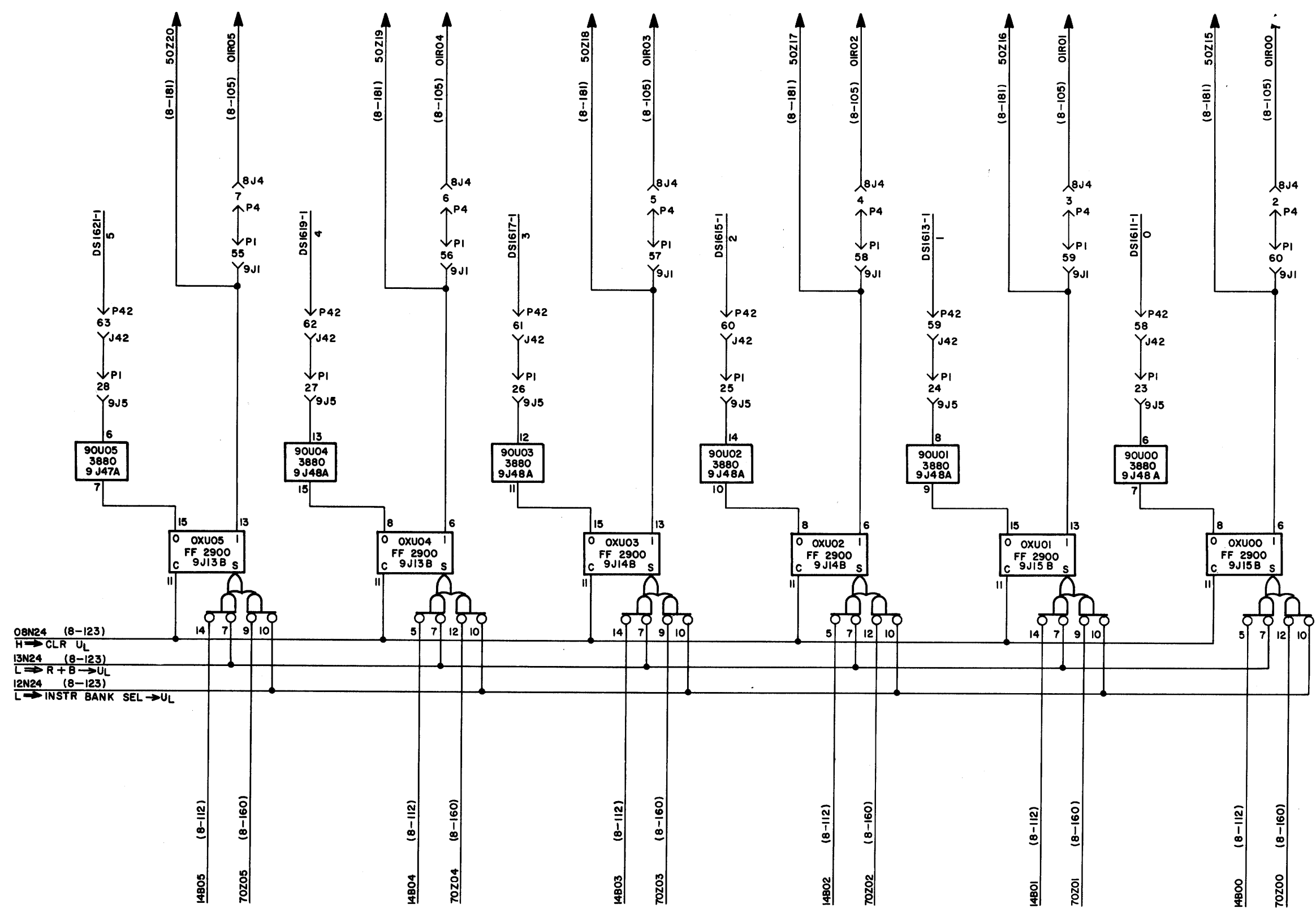
DATE	CLASS
3-7-67	A

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL

UNIVAC	
DIVISION OF SPERRY RAND CORPORATION	
DRAFTSMAN	M. THOMPSON
CHECKER	STRELNIKS
ENGINEER	D. FREE
DATE	3-31-67
TITLE	FUNCTIONAL SCHEMATIC, U & U ₂ COMMAND ENABLES
CODE IDENT NO.	90536
SIZE	D
DWG NO.	7075246
SCALE	
WEIGHT	
SHEET	OF

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		77401	SEE EIR		2/15/64	[Signature]



08N24 (8-123)
H → CLR U_L
13N24 (8-123)
L → R + B → U_L
12N24 (8-123)
L → INSTR BANK SEL → U_L

FIGURE 8-124

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION	
REQD				IDENT	SIZE	IDENTIFYING NO.		
LIST OF MATERIAL								
				CLASS	UNIVAC			
				DRAFTSMAN	DIVISION OF SPERRY RAND CORPORATION			
				R-H PHERNETTON	42265	TITLE		FUNCTIONAL SCHEMATIC, U _L REGISTER BITS 00-05
				CHECKER	ENGINEER			
				B. POPOV	D. HAIR			
				APPROVAL		DATE		
				[Signature]		2/15/64		
				COMMODITY CODE	FINISH	CODE IDENT NO.	SIZE	DWG NO.
						90536	D	7032700
						SCALE	WEIGHT	SHEET OF 1

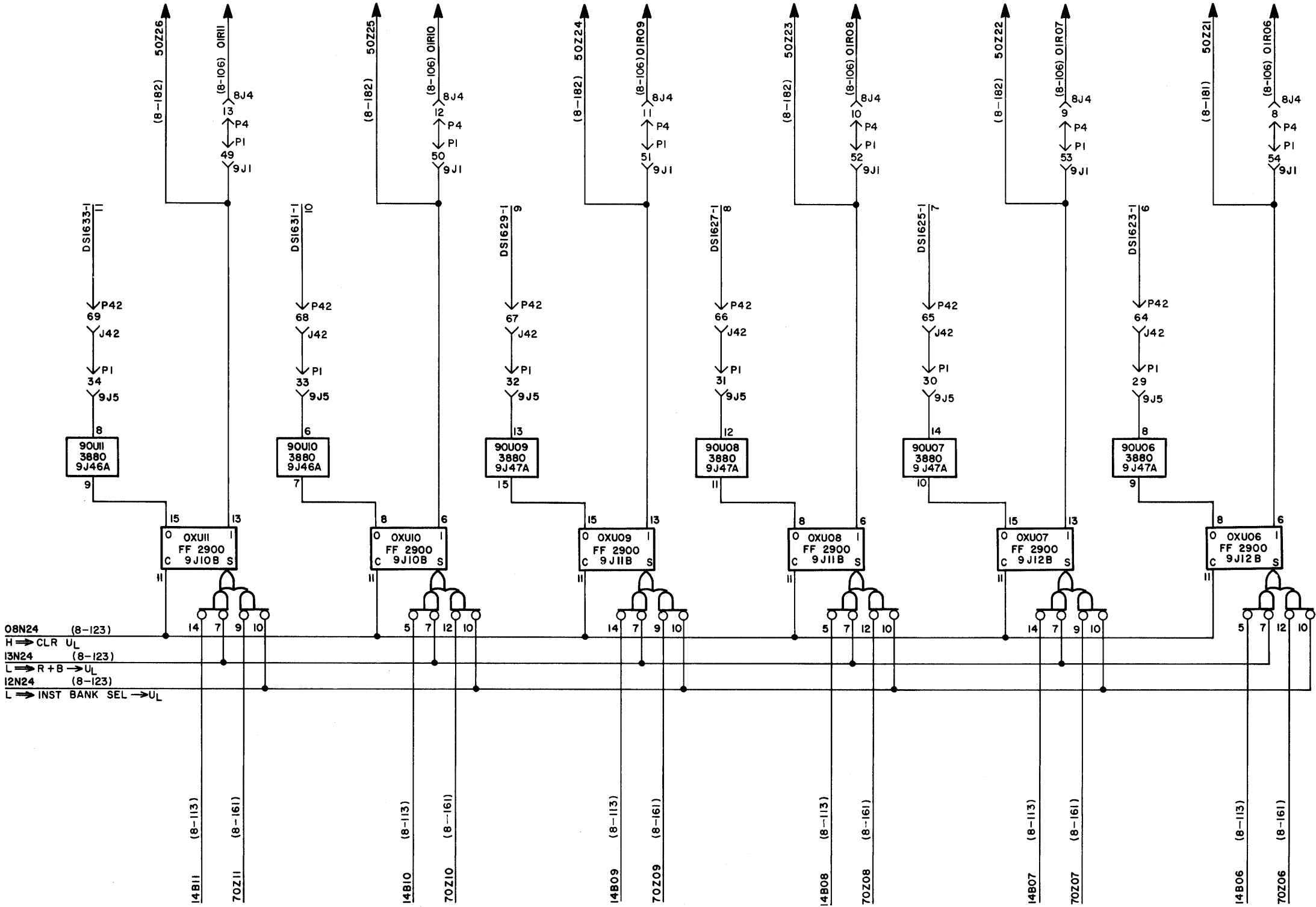
IDENT NO. 7032700-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES	TOLERANCE
2 PLACE DECIMALS	± .005
3 PLACE DECIMALS	± .002
ANGLES	± .005
HOLE DIAMETER TOLERANCE	
0 THRU .250	± .005
.251 THRU .500	± .004
.501 & LARGER	± .003
THREADS EX. CL. INT. CL. 2B	
MATERIAL	
FINISH	

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	APP'D



OBN24 (8-123)
 H → CLR U_L
 I3N24 (8-123)
 L → R + B → U_L
 I2N24 (8-123)
 L → INST BANK SEL → U_L

FIGURE 8-125

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL							

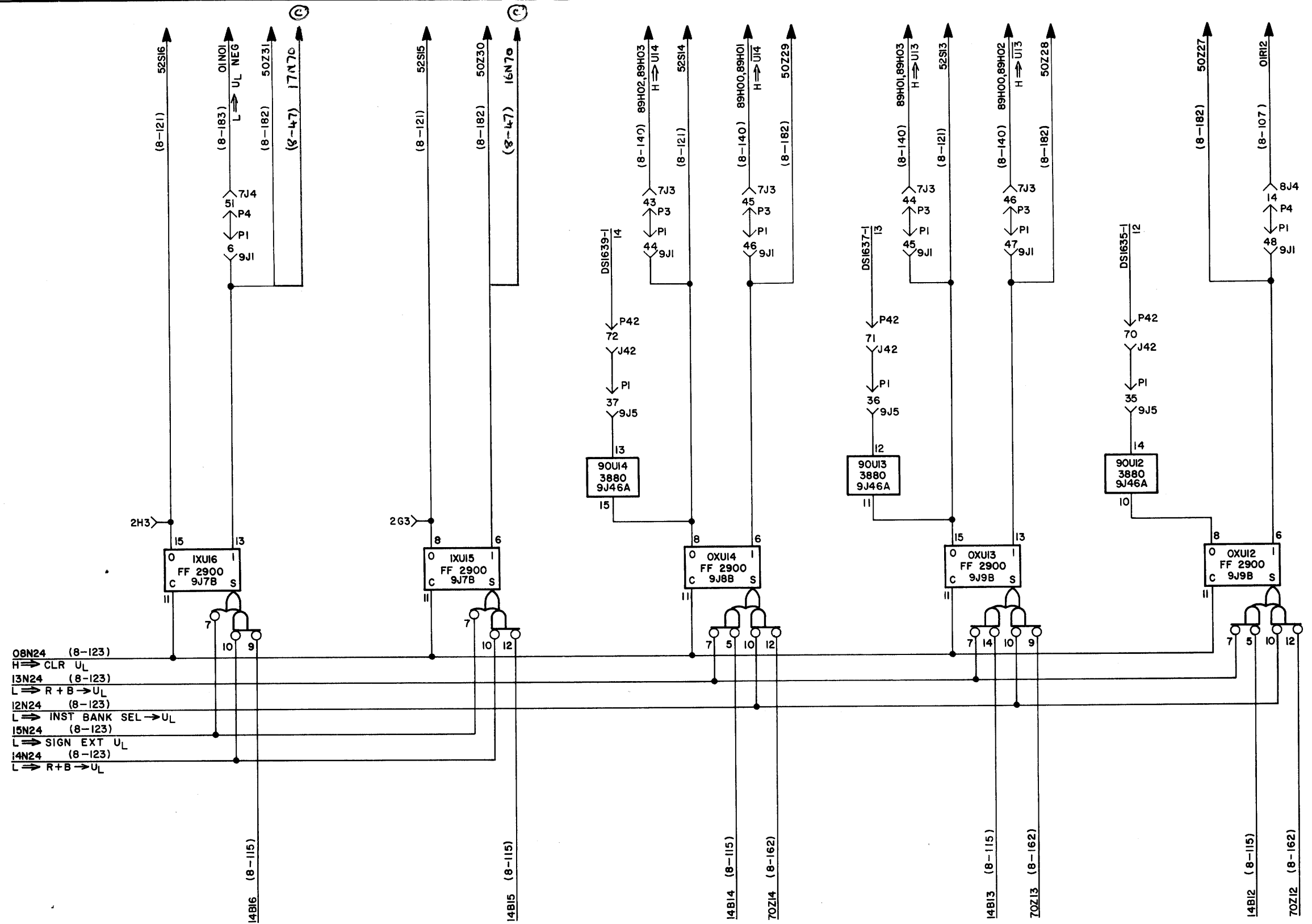
IDENT NO. 7032701-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY-RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:
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UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES TOLERANCE ON 2 PLACE DECIMALS 3 PLACE DECIMALS ANGLES			A
HOLE DIAMETER TOLERANCE	DRAFTSMAN		
0 THRU .250 +.003	R-H PHERNETTON	4/22/65	
.251 THRU .500 +.005	CHECKER		
.501 & LARGER +.010	B. POPOV	4/22/65	
THREADS: EXT. CL 28A, INT. CL 2B	ENGINEER		
	D. HAIR	4/22/65	
	APPROVAL		
	<i>[Signature]</i>	4/22/65	

UNIVAC	TITLE	CODE IDENT NO.	SIZE	DWG NO.
DIVISION OF SPERRY-RAND CORPORATION	FUNCTIONAL SCHEMATIC, U_L REGISTER BITS 06-11	90536	D	7032701

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE
A		71691	SEE EIR		
B		77401	SEE EIR		
C		E13313	13917K2 INSTRUCTION CORRECTION		



08N24 (8-123)
H → CLR U_L
13N24 (8-123)
L → R + B → U_L
12N24 (8-123)
L → INST BANK SEL → U_L
15N24 (8-123)
L → SIGN EXT U_L
14N24 (8-123)
L → R + B → U_L

FIGURE 8-126

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
			CLASS	DATE	UNIVAC DIVISION OF SPERRY RAND CORPORATION	
			DRAFTSMAN	5-12-65	TITLE	
			R-H PHERNETTON		FUNCTIONAL SCHEMATIC, UL REGISTER BITS 12-16	
			CHECKER	9-15-65		
			B. POPOV			
			ENGINEER	9-15-65		
			D. HAIR			
			APPROVAL	9-15-65		
					CODE IDENT NO.	SIZE
					90536	D
					DWG NO.	
					7032702	
					SCALE	WEIGHT
						SHEET 1 OF 1

IDENT NO. 7032702-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES, TOLERANCE ON THIS DRAWING
FINISH
APPLICATION
EQUIPMENT
COMMODITY CODE

REVISIONS				
REV	ZONE	EIR	DESCRIPTION	DATE
A		71691	SEE EIR	8/20/65
B		77384	SEE EIR	9/15/65

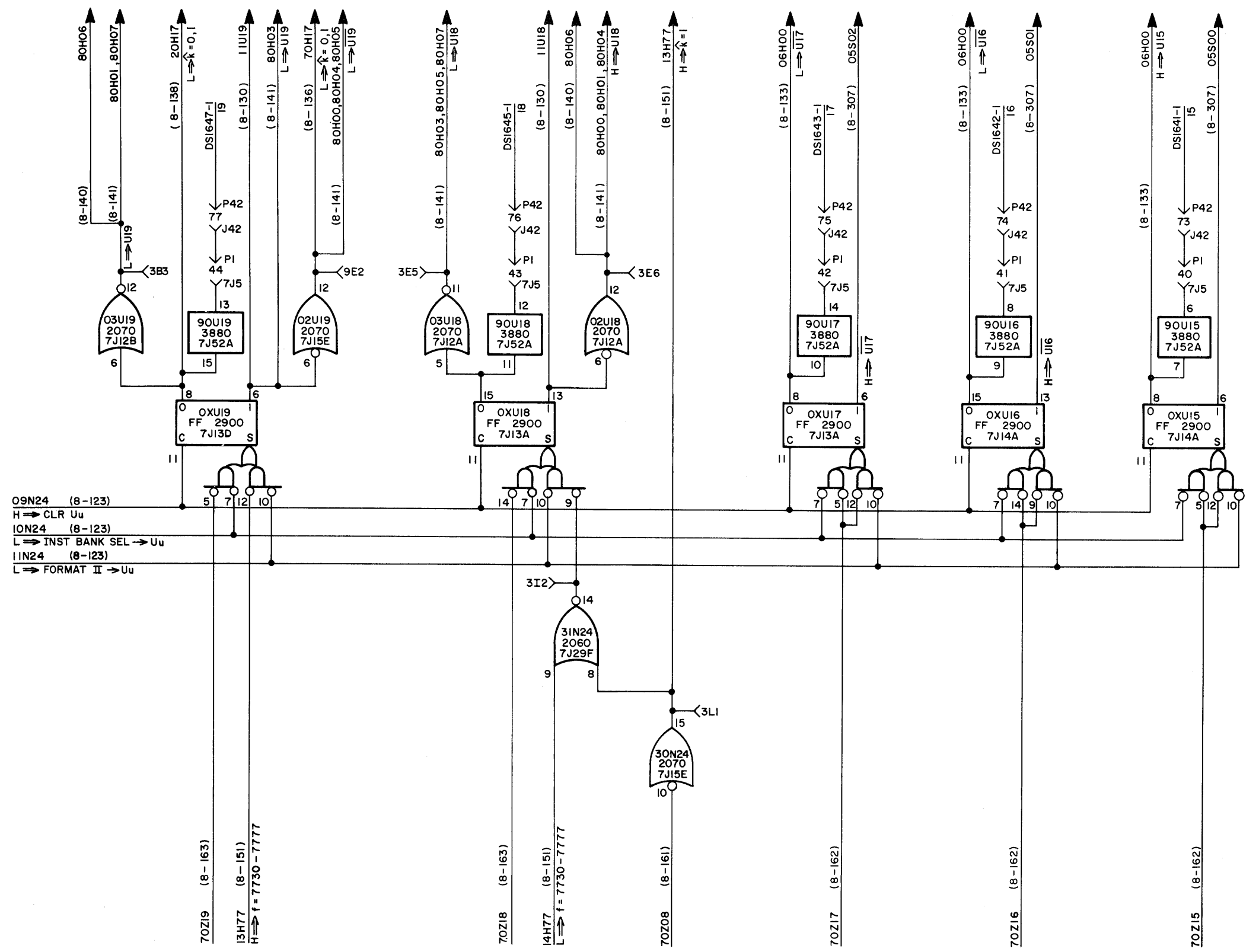


FIGURE 8-127

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
			CLASS	UNIVAC		
			DRAFTSMAN	D.C. WHEELER		
			CHECKER	B. POPOV		
			ENGINEER	D. HAIR		
			DATE	6-9-65		
			TITLE	FUNCTIONAL SCHEMATIC, Uu REGISTER BITS 15-19		
			CODE IDENT NO.	SIZE	DWG NO.	
			90536	D	7032703	
			SCALE	WEIGHT	SHEET 1 OF 1	

IDENT NO. 7032703-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE GENERAL DYNAMICS CORPORATION AND IS FURNISHED PURSUANT TO THE PROVISIONS OF THE...

GENERAL SPECIFICATIONS	FINISH
UNITS	FINISH
APPROVAL	FINISH

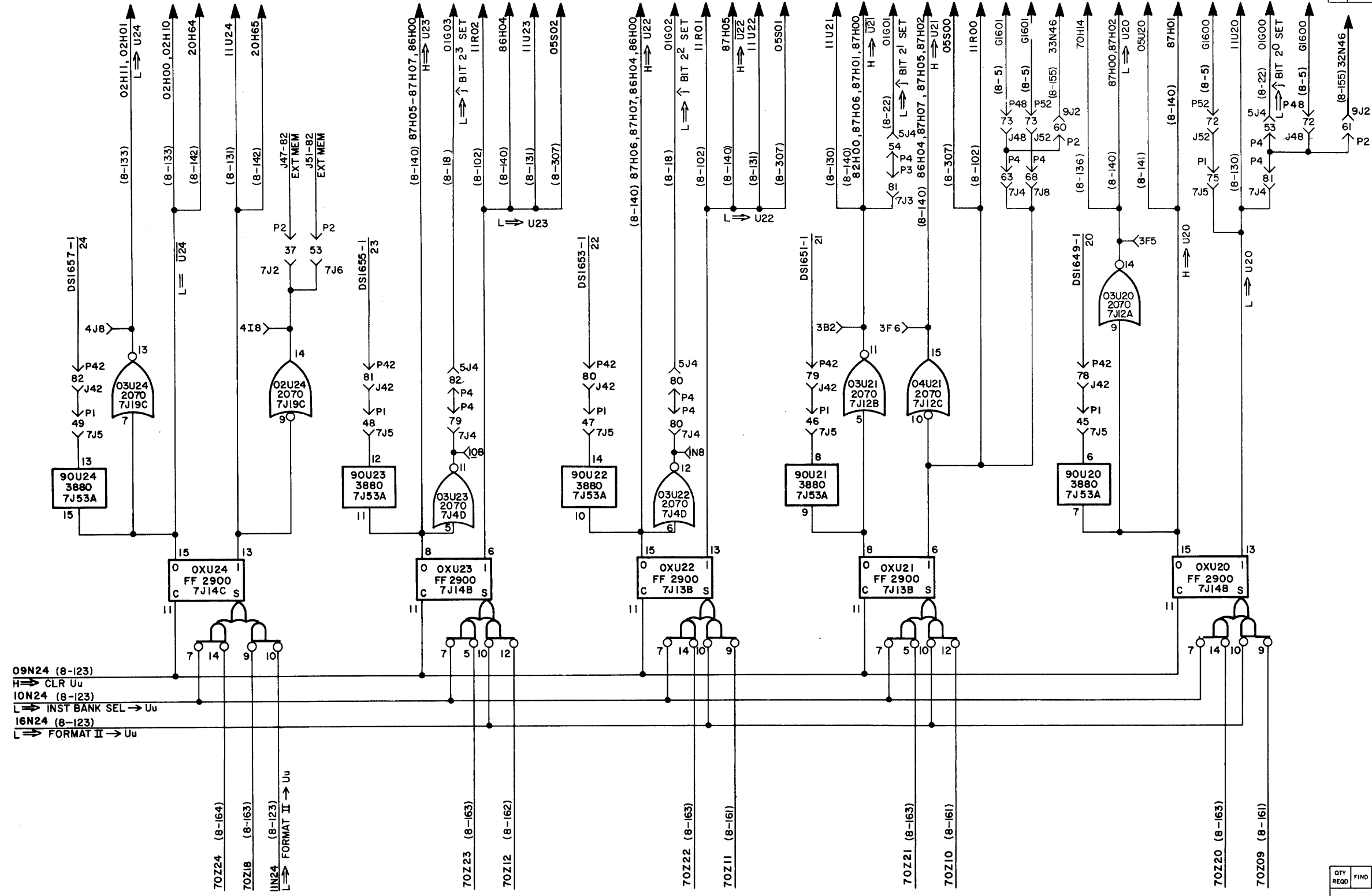


FIGURE 8-128

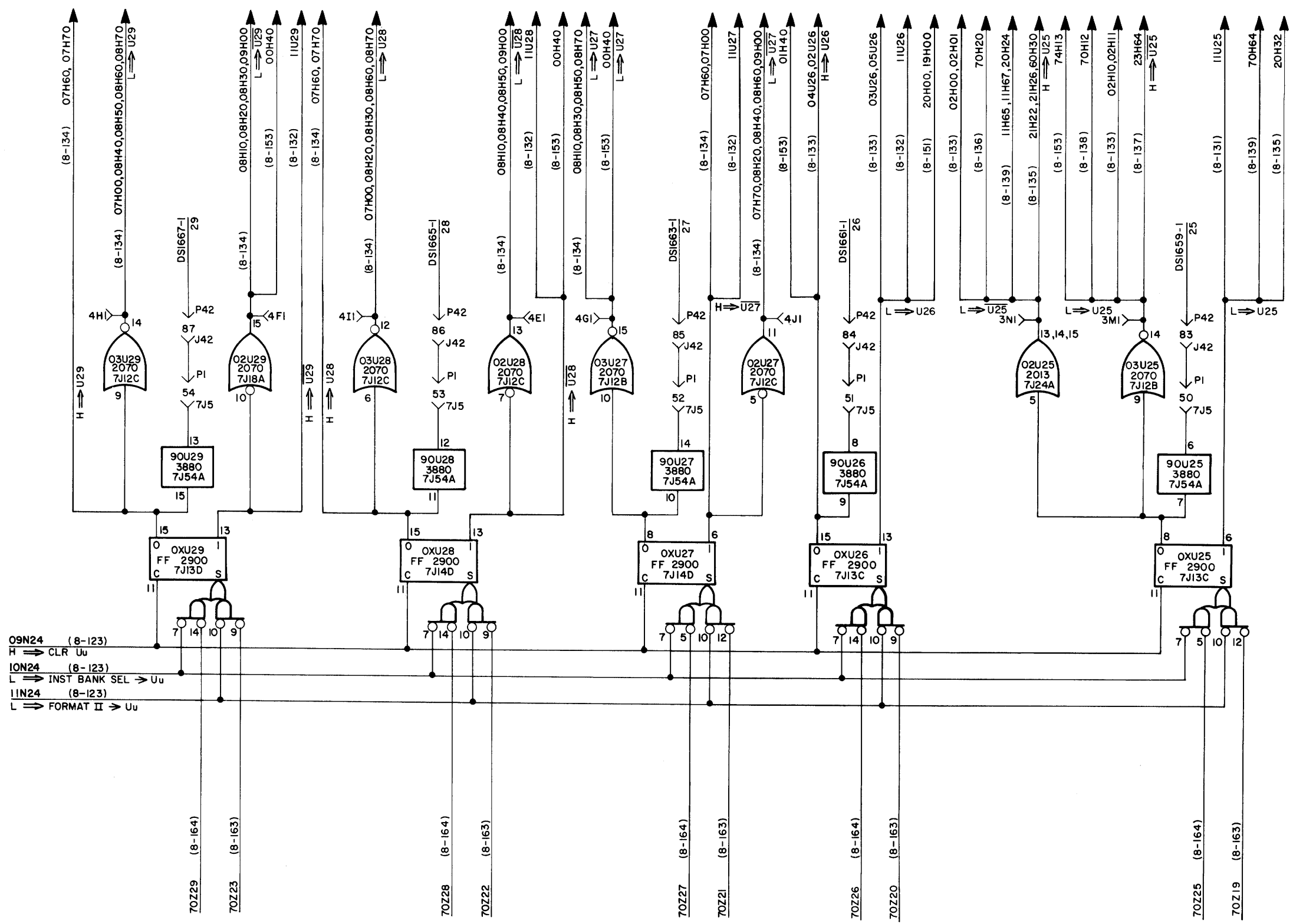
QTY RECD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
			CLASS	DATE	UNIVAC	
			A	12-8-66	DIVISION OF SPERRY RAND CORPORATION	
			DRAFTSMAN	CHECKER	TITLE	
			G. S. WHEBBE	B. POPOV	FUNCTIONAL SCHEMATIC, U REGISTER BITS 20-24	
			ENGINEER	APPROVAL		
			D. HAIR	<i>[Signature]</i>		
			CODE IDENT NO.	SIZE	DWG NO.	
			90536	D	7075194	
			SCALE	WEIGHT	SHEET 1 OF 1	

IDENT NO. 7075194-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES	TOLERANCE ON
2 PLACE DECIMALS	3 PLACE DECIMALS
±	±
HOLE DIAMETER TOLERANCE	
0 THRU .250	.251 THRU .500
+ .003	+ .005
-.002	-.005
THREADS: EXT. CL. 2A, INT. CL. 2B	
MATERIAL	FINISH
NEXT ASY	EQUIPMENT
APPLICATION	
COMMODITY CODE	



09N24 (8-123)
 H ⇒ CLR Uu
 10N24 (8-123)
 L ⇒ INST BANK SEL ⇒ Uu
 11N24 (8-123)
 L ⇒ FORMAT II ⇒ Uu

FIGURE 8-129

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
----------	------	---------	------------	----------	-------------------------	-----------------------------

LIST OF MATERIAL

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS 3 PLACE DECIMALS ANGLE ± ± ± HOLE DIAMETER TOLERANCE 0 THRU .250 .001 THRU .500 .301 & LARGER +.003 +.005 +.010 -.002 .003 -.005 THREADS: EXT. CL. INT. CL. 2B MATERIAL FINISH	LAYOUT	DATE	CLASS	UNIVAC	
	DRAFTSMAN E. BICKETT	12-8-66	A	DIVISION OF SPERRY RAND CORPORATION	
	CHECKER B. POPOV	3-31-67		FUNCTIONAL SCHEMATIC, Uj REGISTER BITS 25-29	
	ENGINEER D. HAIR	3-31-67			
APPROVED <i>R. F. ...</i>	3-31-67		CODE IDENT NO.	SIZE	DWG NO.
			90536	D	7075195
			SCALE	WEIGHT	SHEET 1 OF 1

IDENT NO. 7075195-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:
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REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	APPROVED

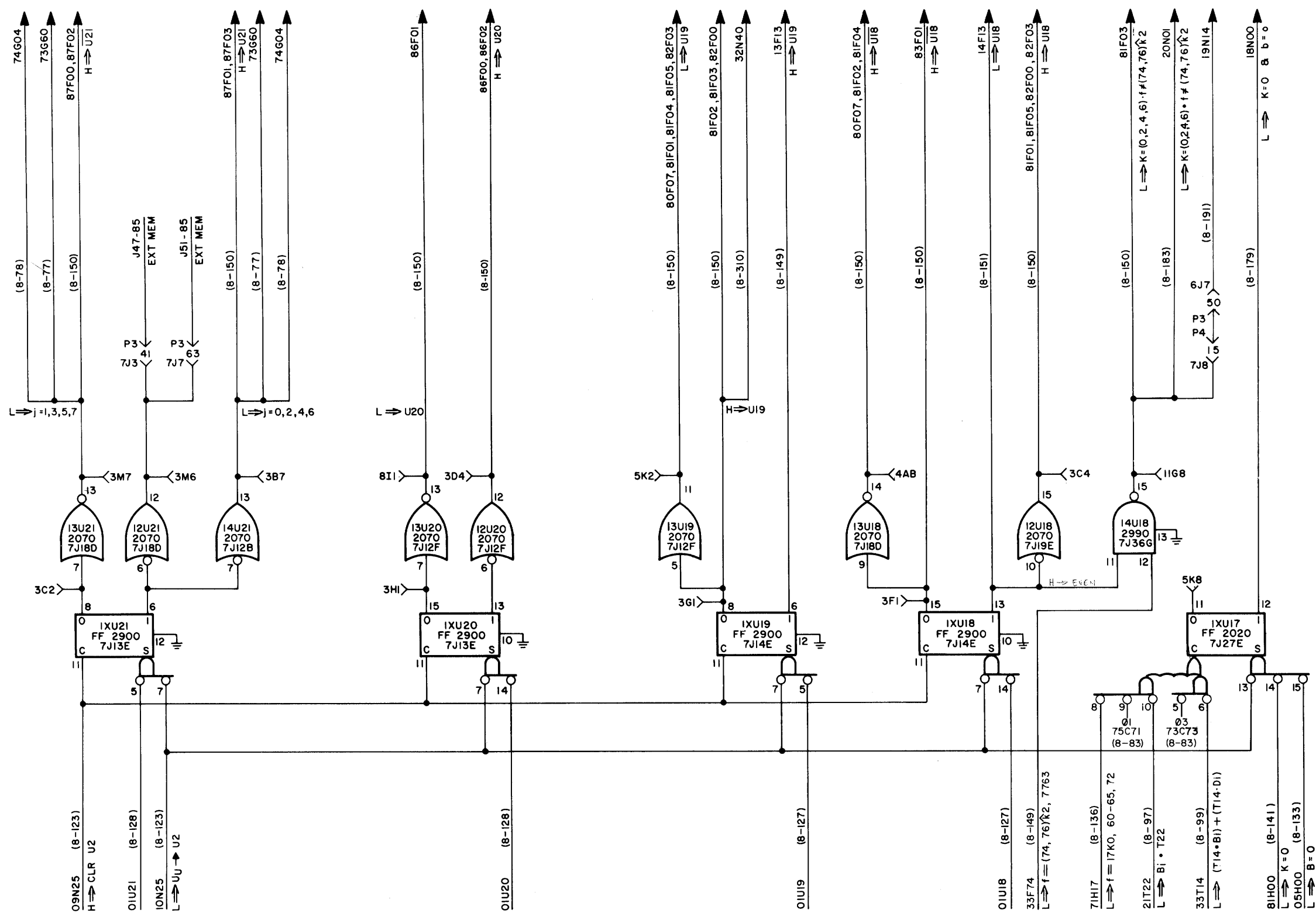


FIGURE 8-130

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNLESS OTHERWISE SPECIFIED						
DIMENSION IN INCHES. TOLERANCE ON		LAYOUT				
2 PLACE DECIMALS ± .005		3 PLACE DECIMALS ± .001				
HOLE DIAMETER TOLERANCE		ANGLES ± .010				
0 THRU .250 ± .003		.301 & LARGER ± .010				
.251 THRU .500 ± .005		MATERIAL				
.501 THRU 1.000 ± .005		THREADS: EXT. CL. 2A, INT. CL. 2B				
1.001 THRU 2.000 ± .005		FINISH				
2.001 THRU 3.000 ± .005		DATE				
3.001 THRU 4.000 ± .005		CLASS				
4.001 THRU 5.000 ± .005		DRAFTSMAN				
5.001 THRU 6.000 ± .005		E. BICKETT				
6.001 THRU 7.000 ± .005		CHECKER				
7.001 THRU 8.000 ± .005		B. POPOV				
8.001 THRU 9.000 ± .005		ENGINEER				
9.001 THRU 10.000 ± .005		D. HAIR				
10.001 THRU 11.000 ± .005		APPROVED				
11.001 THRU 12.000 ± .005		DATE				
12.001 THRU 13.000 ± .005		12-9-66				
13.001 THRU 14.000 ± .005		TITLE				
14.001 THRU 15.000 ± .005		FUNCTIONAL SCHEMATIC,				
15.001 THRU 16.000 ± .005		U2 REGISTER BITS 17-21				
16.001 THRU 17.000 ± .005		CODE IDENT NO.				
17.001 THRU 18.000 ± .005		90536				
18.001 THRU 19.000 ± .005		SIZE				
19.001 THRU 20.000 ± .005		D				
20.001 THRU 21.000 ± .005		DWG NO.				
21.001 THRU 22.000 ± .005		7075196				
22.001 THRU 23.000 ± .005		SCALE				
23.001 THRU 24.000 ± .005		WEIGHT				
24.001 THRU 25.000 ± .005		SHEET OF				

IDENT NO. 7075196-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	APPROVAL

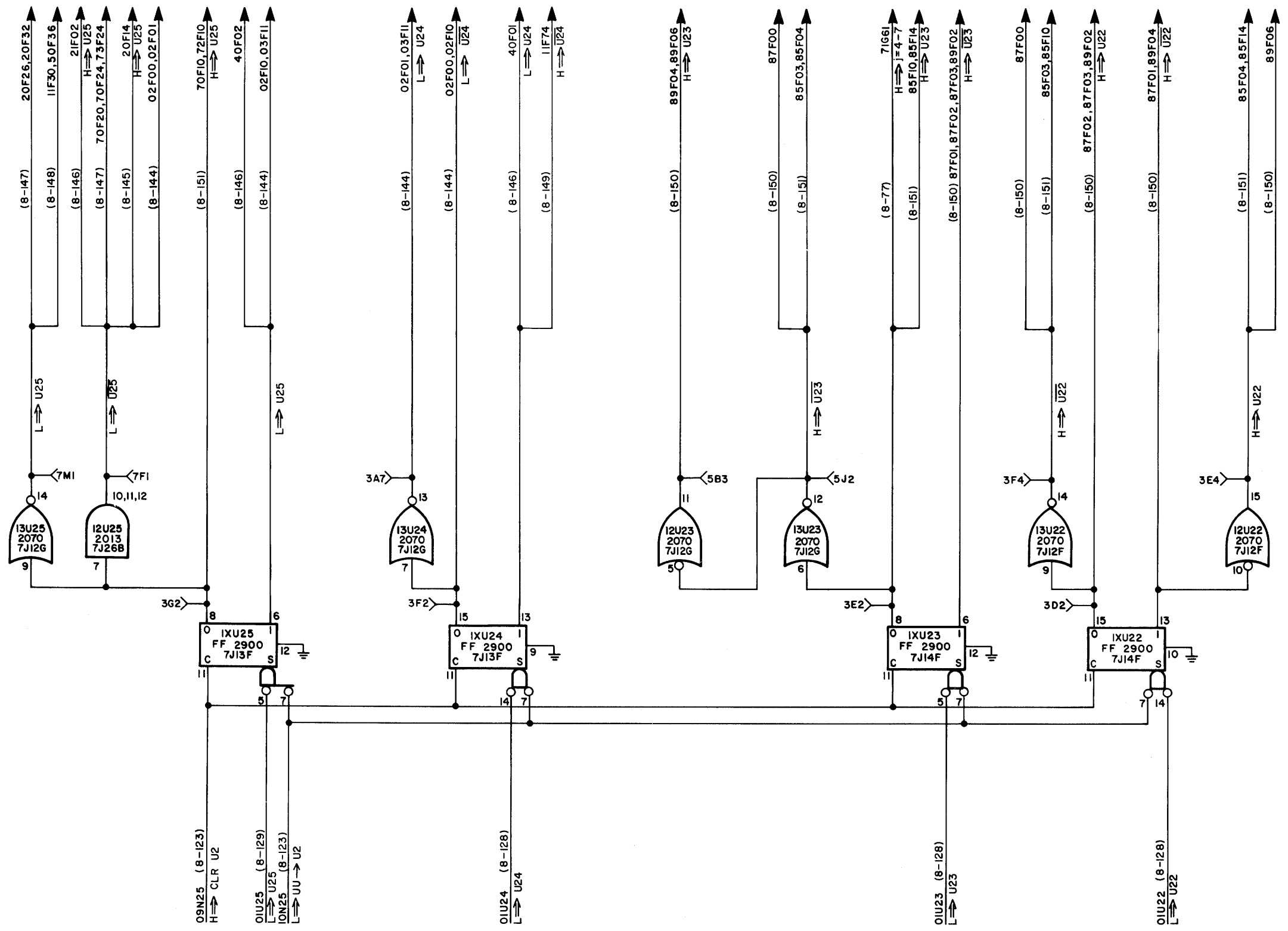


FIGURE 8-131

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL

UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS	UNIVAC DIVISION OF SPERRY RAND CORPORATION	
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS ± .005 3 PLACE DECIMALS ± .001 ANGLES ± .010	DRAFTSMAN G. S. WHEBBE	12-8-66	A		
HOLE DIAMETER TOLERANCE 0 THRU .250 ± .003 .251 THRU .500 ± .005 .501 & LARGER ± .010	CHECKER B. POPOV	3-31-67	TITLE	FUNCTIONAL SCHEMATIC, U2 REGISTER BITS 22-25	
THREADS: EXP. CL. 2A INT CL. 2B	ENGINEER D. FREE	3-31-67			
MATERIAL	APPROVAL <i>[Signature]</i>	3-31-67	CODE IDENT NO.	SIZE	DWG NO.
FINISH			90536	D	7075197
			SCALE	WEIGHT	SHEET 1 OF 1

IDENT NO. 7075197-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT.
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REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	DATE

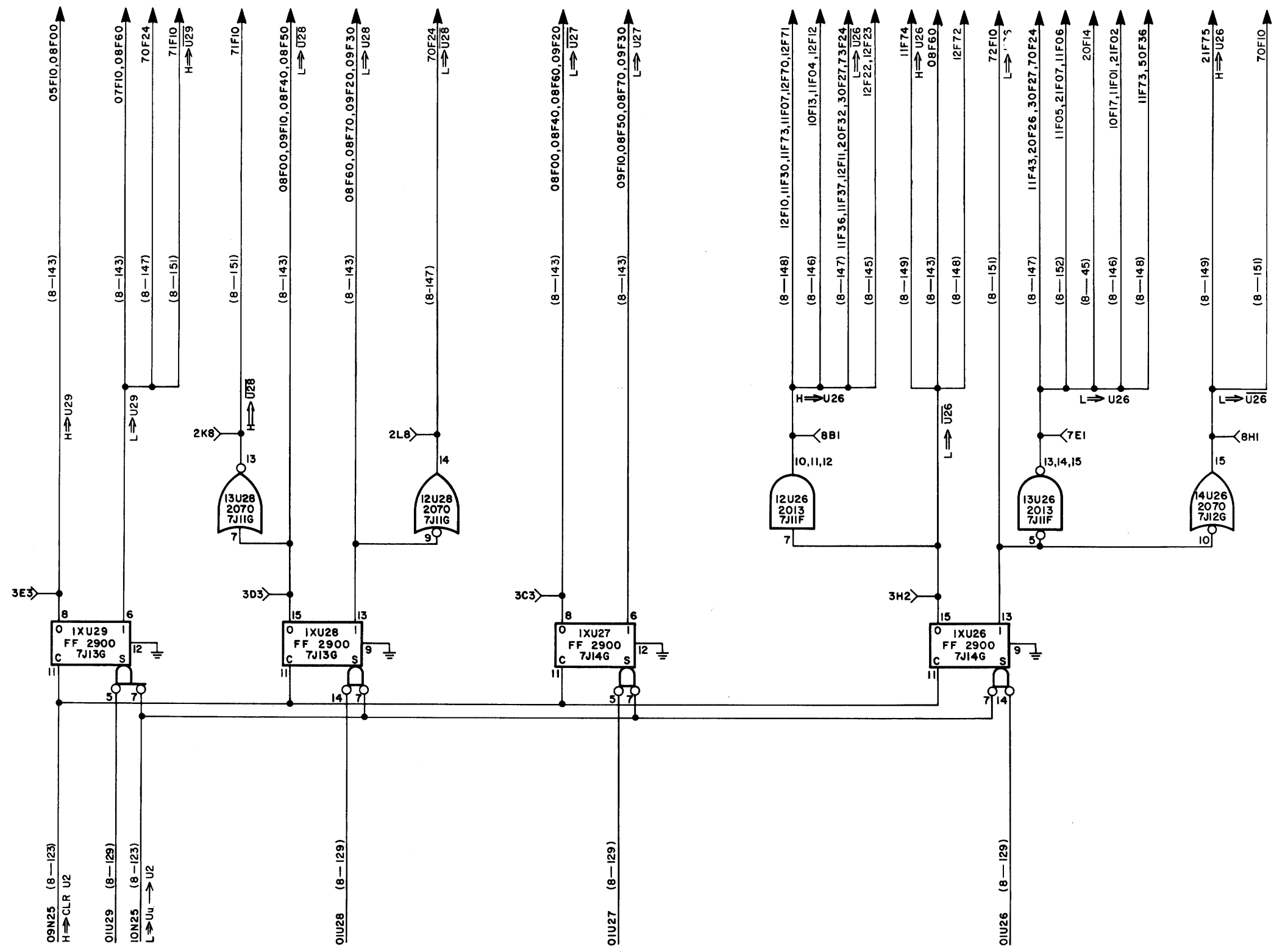


FIGURE 8-132

QTY	FIND	REF DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD			IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL						
UNLESS OTHERWISE SPECIFIED			LAYOUT	DATE	CLASS	UNIVAC <small>DIVISION OF SPERRY RAND CORPORATION</small>
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS ± .005 3 PLACE DECIMALS ± .001 ANGLES ± .005 HOLE DIAMETER TOLERANCE 0 THRU .250 ± .003 .251 THRU .500 ± .002 .501 & LARGER ± .010 THREADS: EX. CL. 2A, INT. CL. 2B			R. C. PETERSON 12-8-66	A	TITLE	
MATERIAL FINISH			CHECKER R. E. STRELNEKS 3-31-67	ENGINEER D. FREE 3-31-67	APPROVED <i>[Signature]</i> 3-31-67	FUNCTIONAL SCHEMATIC, U2 REGISTER BITS 26-29
IDENT NO. 7075198-00 <small>THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:</small> <small>ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DEALT WITH IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.</small>			NEXT ASSY EQUIPMENT APPLICATION COMMODITY CODE	CODE IDENT NO. 90536	SIZE D	DWG NO. 7075198
			SCALE	WEIGHT	SHEET 1 OF 1	

REVISIONS			
SYM	ZONE	EIR	DESCRIPTION
A	E13315	'B	MODIFIED FAULT

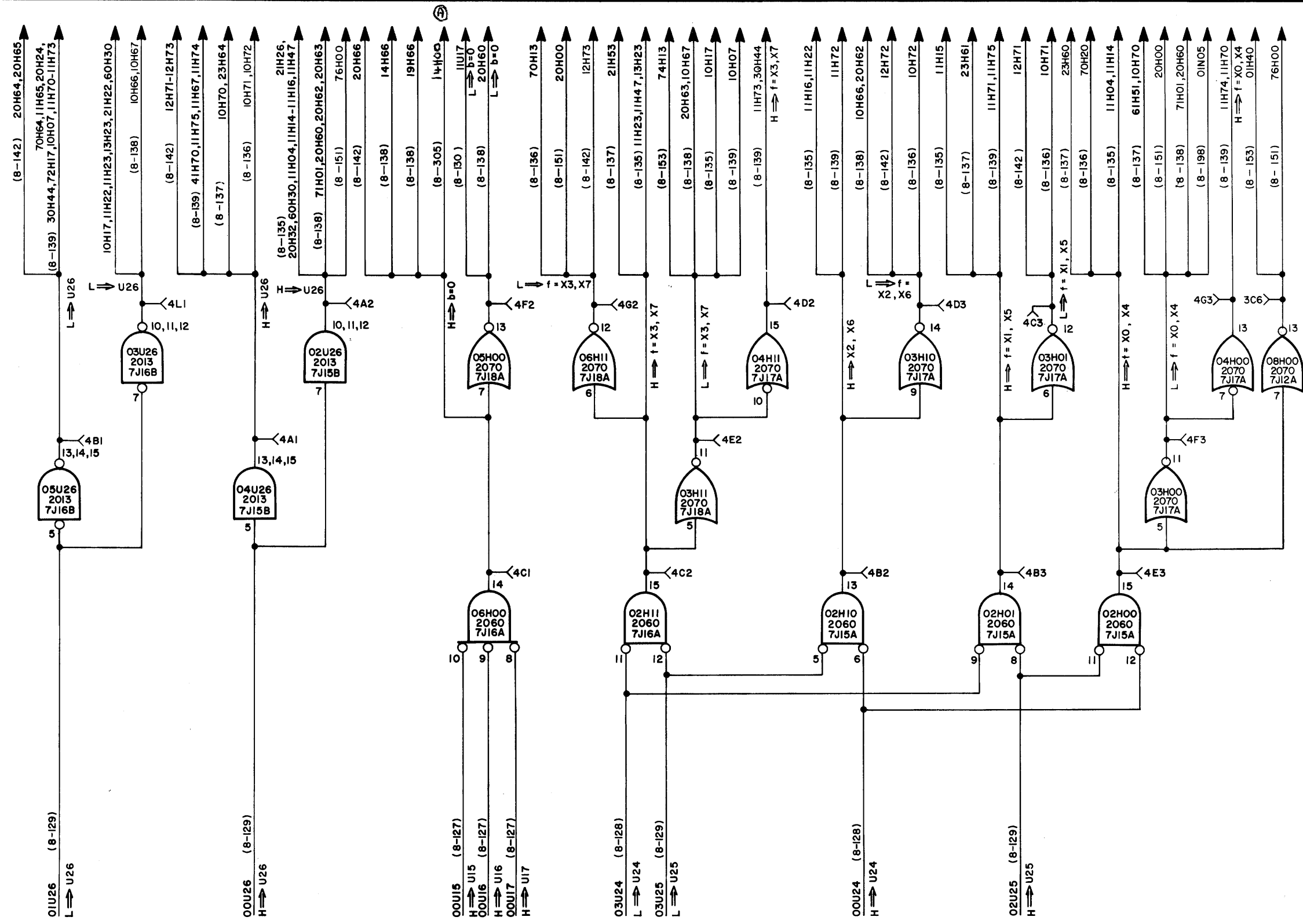


FIGURE 8-133

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNIVAC						
DIVISION OF SPERRY RAND CORPORATION						
TITLE						
FUNCTIONAL SCHEMATIC, FUNCTION CODE TRANSLATOR I						
CLASS						
A						
DATE						
12-12-66						
DRAFTSMAN						
G.S. WHEBBE						
CHECKER						
B. POPOV						
ENGINEER						
D. FREE						
APPROVAL						
<i>[Signature]</i>						
DATE						
3-31-67						
DATE						
3-31-67						
CODE IDENT NO.						
90536						
SIZE						
D						
DWG NO.						
7075199						
SCALE						
WEIGHT						
SHEET OF						

IDENT NO. 7075199-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES, TOLERANCE ON 2 PLACE DECIMALS	3 PLACE DECIMALS
±	±
HOLE DIAMETER TOLERANCE	
0 THRU .250	.251 THRU .500
+ .003	+ .005
-.002	-.005
.501 & LARGER	+ .010
	-.005
THREADS: EXT. CL. 2A, INT. CL. 2B	
MATERIAL	
FINISH	
LAYOUT	
DATE	
CLASS	
DRAFTSMAN	
G.S. WHEBBE	
CHECKER	
B. POPOV	
ENGINEER	
D. FREE	
APPROVAL	
<i>[Signature]</i>	
DATE	
3-31-67	
DATE	
3-31-67	
CODE IDENT NO.	
90536	
SIZE	
D	
DWG NO.	
7075199	
SCALE	
WEIGHT	
SHEET	
OF	

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED

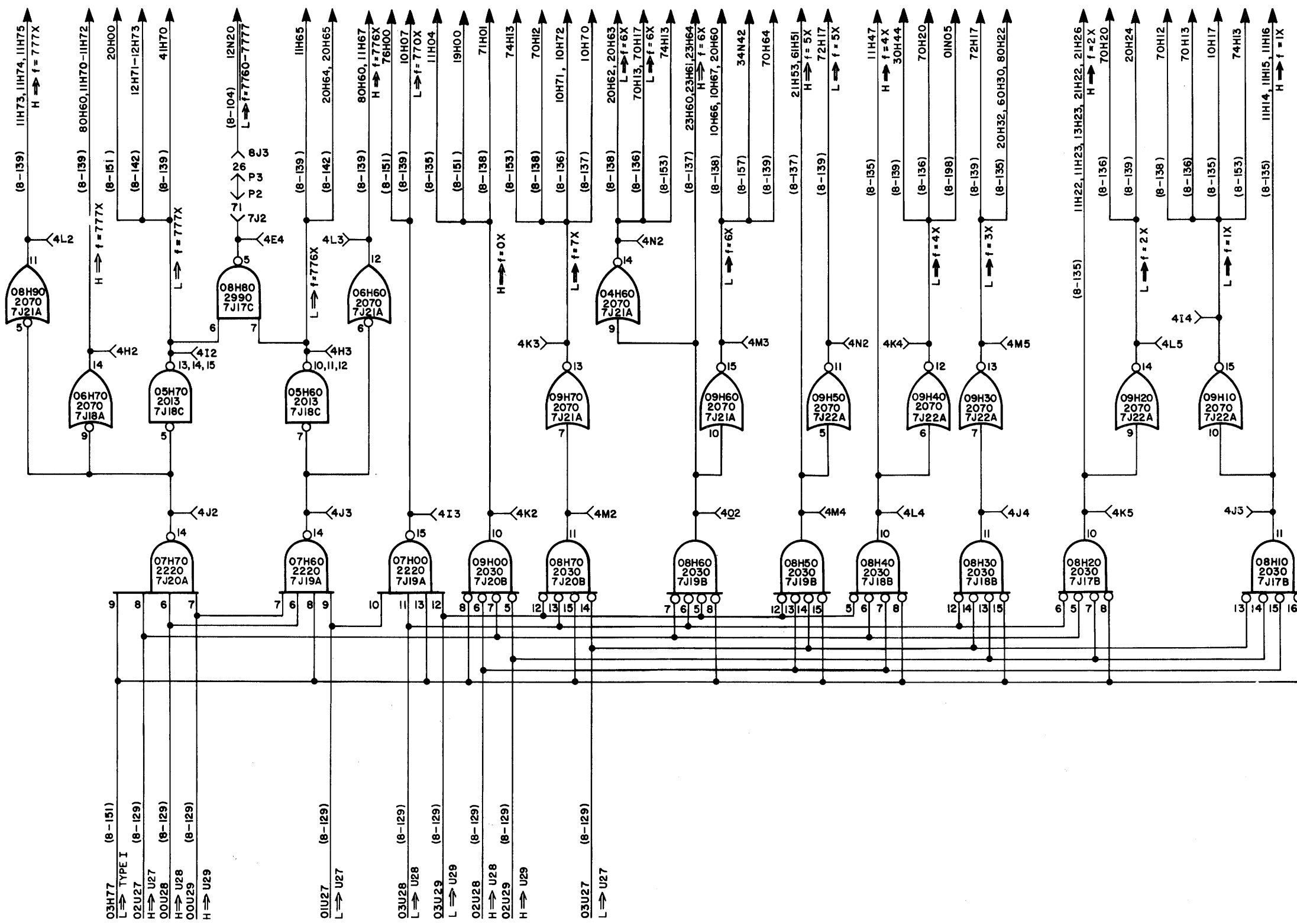


FIGURE 8-134

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

IDENT NO. 7075244-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:
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UNLESS OTHERWISE SPECIFIED		DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS		DIMENSION IN INCHES. TOLERANCE ON 3 PLACE DECIMALS		ANGLES	
		±	±	±	±	±	±
HOLE DIAMETER TOLERANCE							
0 THRU .250	.251 THRU .500	.501 & LARGER					
±.003	±.005	±.010					
-.002	-.003	-.005					
THREADS: EXT. CL. 2A, INT. CL. 2B							
MATERIAL		FINISH		LAYOUT		DATE	
				DRAFTSMAN		2-18-67	
				CHECKER		3-31-67	
				ENGINEER		3-31-67	
				APPROVED		3-31-67	
NEXT ASSY		EQUIPMENT		APPLICATION		COMMODITY CODE	

LIST OF MATERIAL			
CLASS		A	
TITLE		UNIVAC DIVISION OF SPERRY RAND CORPORATION	
TITLE		FUNCTIONAL SCHEMATIC, FUNCTION CODE TRANSLATOR 2	
CODE IDENT NO.	SIZE	DWG NO.	
90536	D	7075244	
SCALE	WEIGHT	SHEET OF	

REVISIONS			
SYM	ZONE	EJR	APPROVED

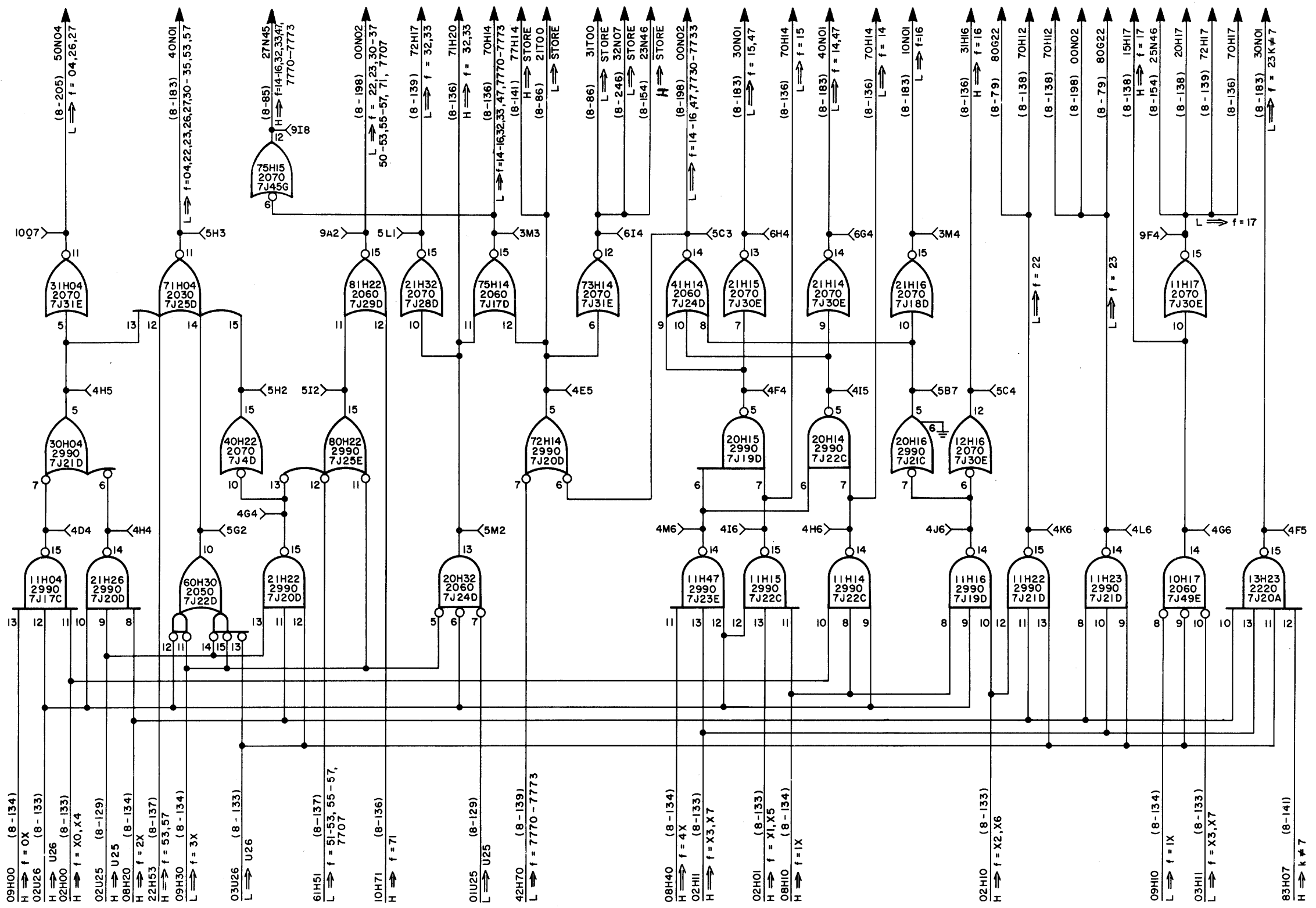


FIGURE 8-135

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL							
				UNIVAC			
				DIVISION OF SPERRY RAND CORPORATION			
				CLASS A			
				DRAFTSMAN R.C. PETERSON		DATE 12-8-66	
				CHECKER R.E. STRELNIKS		3-31-67	
				ENGINEER D. FREE		3-31-67	
				APPROVA <i>[Signature]</i>		3-31-67	
				CODE IDENT NO.		SIZE	
				90536		D	
				DWG NO.		7075200	
				SCALE		WEIGHT	
				SHEET		OF 1	

IDENT NO. 7075200-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES, TOLERANCE ON	
2 PLACE DECIMALS	± .005
3 PLACE DECIMALS	± .0005
ANGLES	± .005
HOLE DIAMETER TOLERANCE	
0 THRU .250	± .005
.251 THRU .500	± .005
.501 & LARGER	± .010
THREADS: EXT. CL. 2A, INT. CL. 2B	
MATERIAL	
FINISH	
NEXT ASSY	EQUIPMENT
APPLICATION	
COMMODITY CODE	

REVISIONS			
SYM	ZONE	EIR	APPROVED

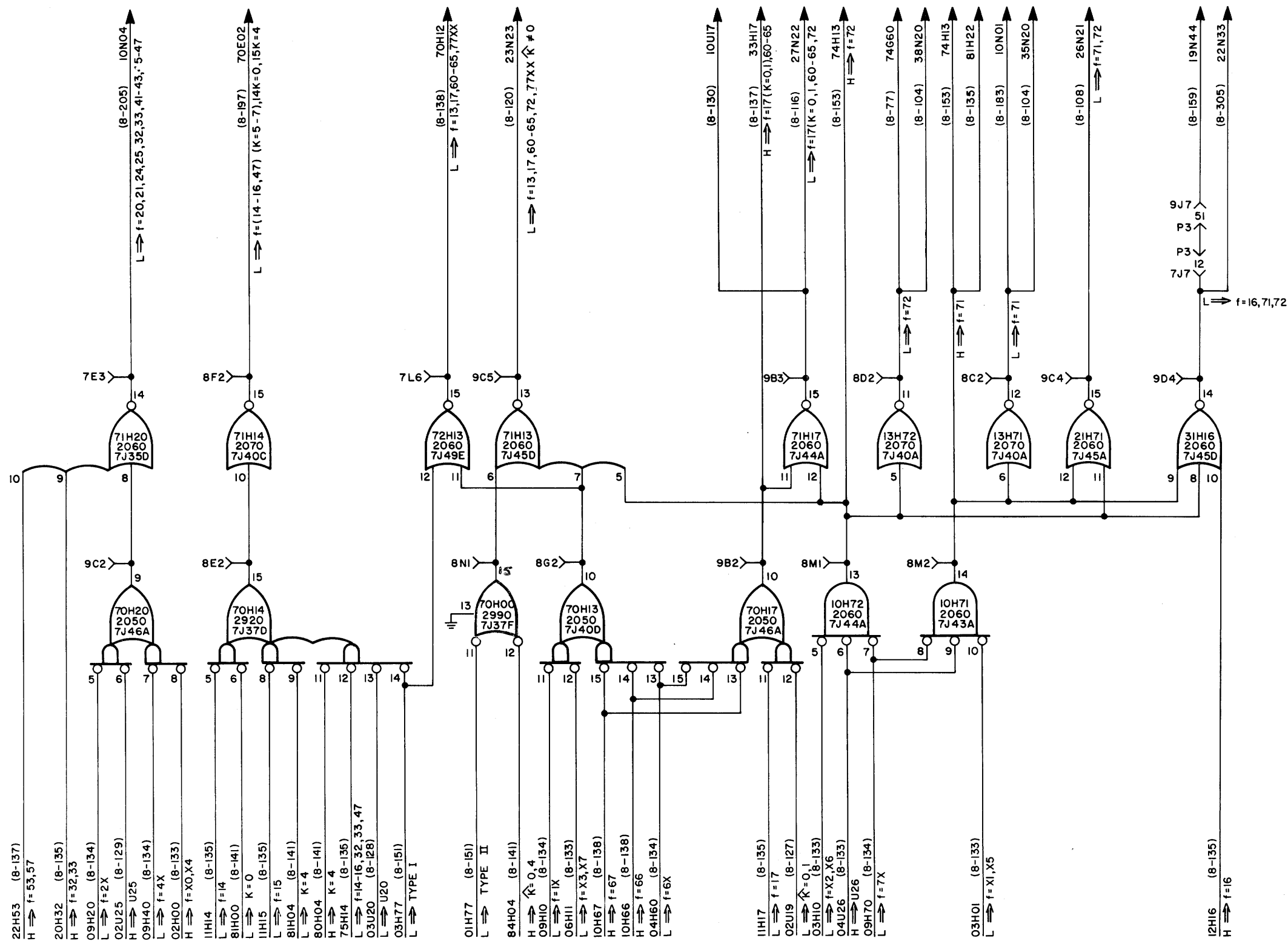


FIGURE 8-136

IDENT NO. 7075249-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:
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QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						

UNLESS OTHERWISE SPECIFIED		LAYOUT	DATE	CLASS
DIMENSION IN INCHES. TOLERANCE ON				A
2 PLACE DECIMALS ±				
3 PLACE DECIMALS ±				
ANGLES ±				
HOLE DIAMETER TOLERANCE				
0 THRU .250 ±.003				
.251 THRU .500 ±.005				
.501 & LARGER ±.010				
THREADS: EXT. CL. 2A, INT. CL. 2B				
MATERIAL				
FINISH				
NEXT ASSY				
EQUIPMENT				
APPLICATION				
COMMODITY CODE				
CHECKER		DATE		TITLE
G. HIRSCH		3-7-67		FUNCTIONAL SCHEMATIC, FUNCTION CODE TRANSLATOR 4
CHECKER		DATE		
STRELNICKS		3-31-67		
ENGINEER		DATE		
D. FREE		3-31-67		
APPROVAL		DATE		
<i>D. Free</i>		3-31-67		
CODE IDENT NO.		SIZE	DWG NO.	
90536		D	7075249	
SCALE		WEIGHT	SHEET OF	

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	DATE

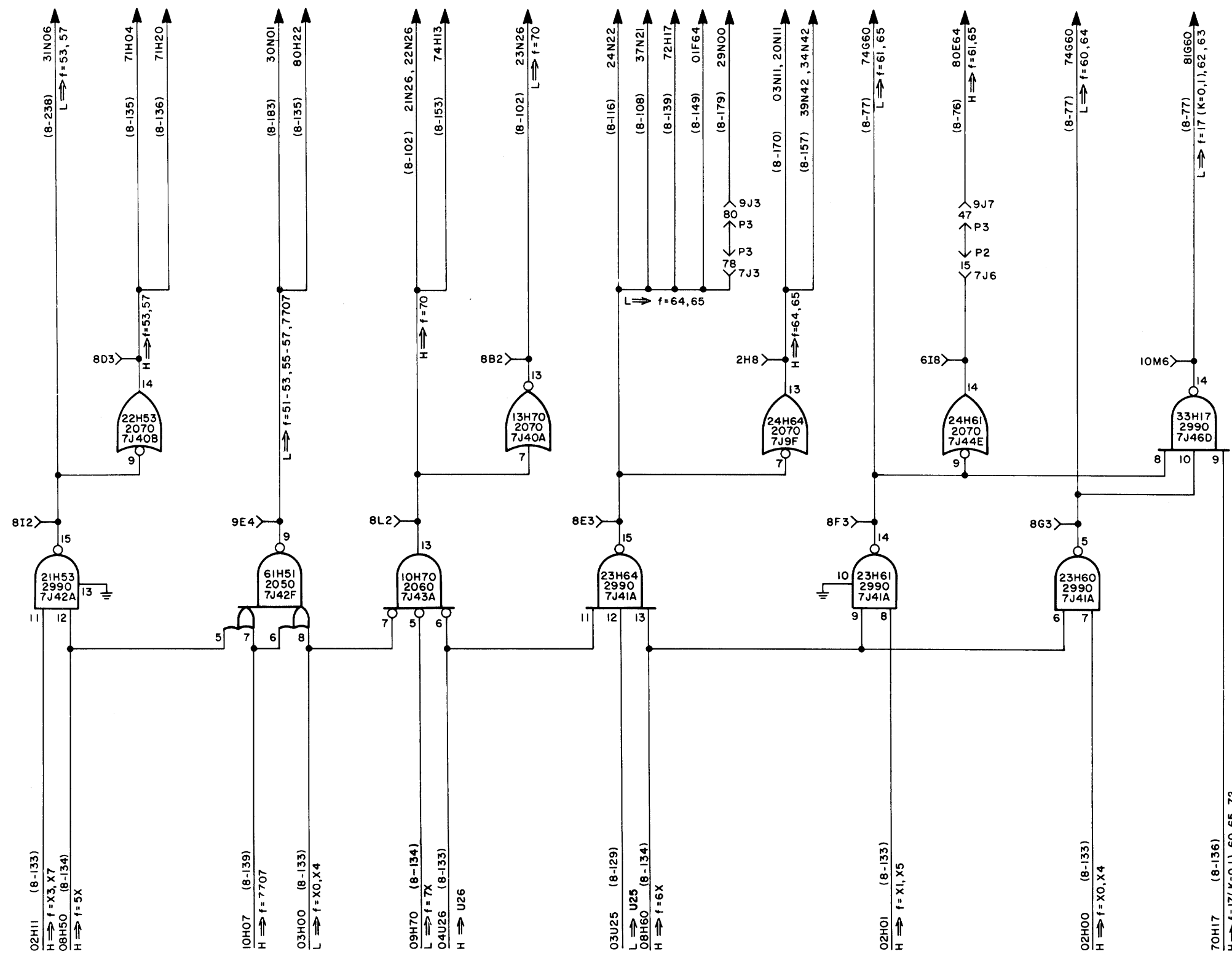


FIGURE 8-137

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL							
UNLESS OTHERWISE SPECIFIED				CLASS			
DIMENSION IN INCHES. TOLERANCE ON				A			
2 PLACE DECIMALS				DRAFTSMAN			
3 PLACE DECIMALS				G. HIRSCH			
ANGLES				DATE			
=				3-7-67			
HOLE DIAMETER TOLERANCE				CHECKER			
0 THRU .250				STRELNIEKS			
.251 THRU .500				DATE			
.501 & LARGER				3-31-67			
+ .003				ENGINEER			
+ .005				D. FREE			
- .002				DATE			
.003				3-31-67			
- .005				APPROVED			
THREADS: EXT. CL 2A, INT. CL 2B				3-31-67			
MATERIAL				SCALE			
FINISH				WEIGHT			
APPLICATION				SHEET			
COMMODITY CODE				OF			

IDENT NO. 7075247-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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UNIVAC
DIVISION OF SPERRY RAND CORPORATION

**FUNCTIONAL SCHEMATIC,
FUNCTION CODE TRANSLATOR 5**

CODE IDENT NO. **90536** SIZE **D** DWG NO. **7075247**

REVISIONS						
ZONE	LTR	EIR	DESCRIPTION - FOR DETAILS SEE EIR	CHK	DATE	APPROVED
A	E13317		EXT INT HOLD ACTIVE FF MOD			
B	E13357		66K2 BLO, 1) TIME OUT INT CORRECTION			
C	E13375		S PART 6423 EHU INTERFACE MOD			
D						

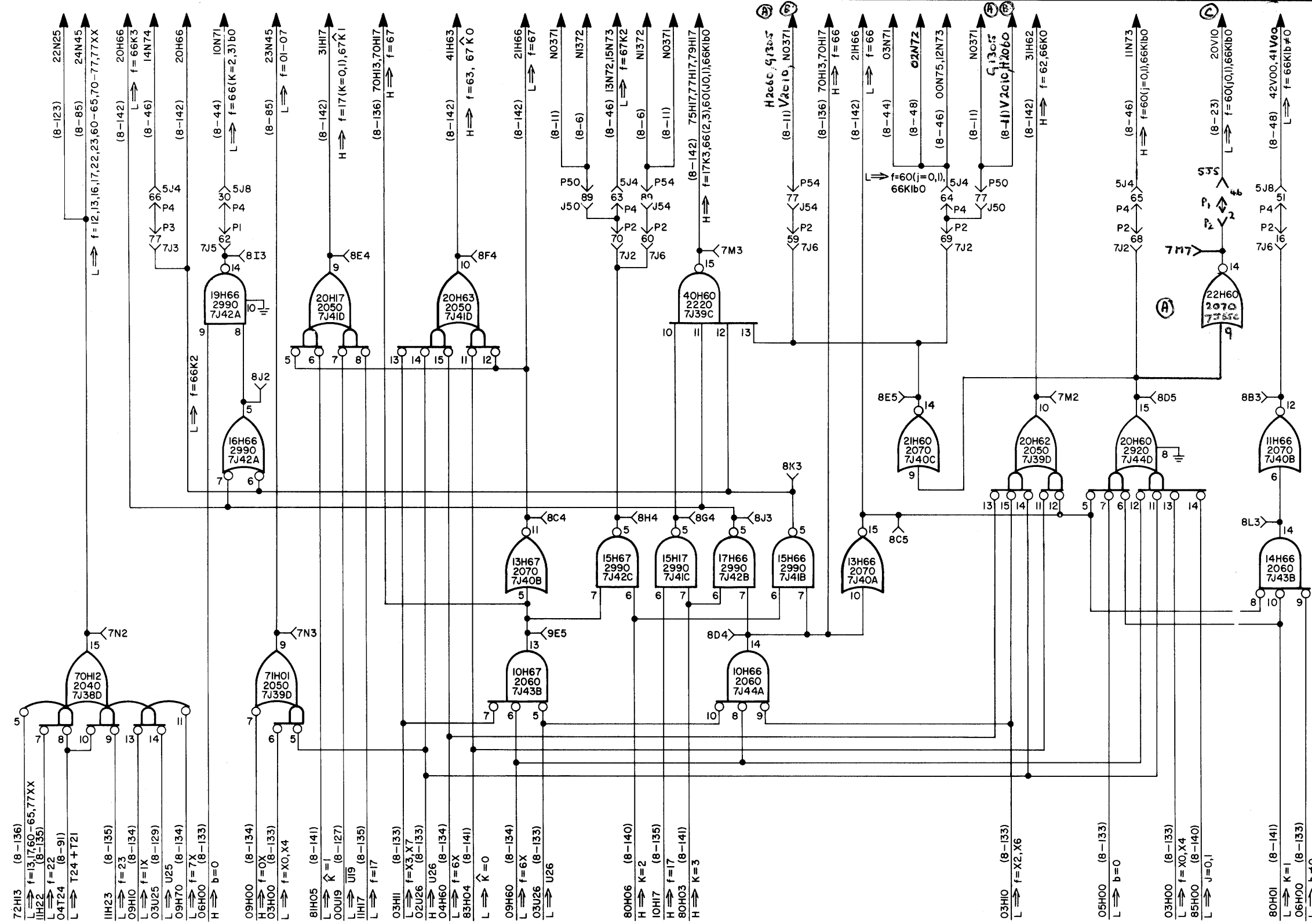


FIGURE 8-138

IDENT NO. 7075201-00

UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES TOL. ON 2 PLACE 3 PLACE ANGLES DECIMALS DECIMALS + - HOLE DIA. TOL. 0 THRU .251 THRU .501 AND LARGER + .003 + .005 + .010 - .002 - .003 - .005 THREADS: EXT. CL 2A, INT. CL 2B COMMODITY CODE	LAYOUT DRAFTSMAN R. PHERNETTON CHECKER B. POPOV ENGINEER D. FREE APPROVED <i>[Signature]</i>	DATE	CLASS	UNIVAC DEFENSE SYSTEMS DIVISION DIVISION OF SPERRY RAND CORPORATION UNIVAC PARK, ST. PAUL, MINN. 55118	
		12-5-66	A	TITLE FUNCTIONAL SCHEMATIC, FUNCTION CODE TRANSLATOR 6	
SIZE		CODE IDENT. NO.	DWG. NO.		
D		90536	7075201		
SCALE		WEIGHT	SHEET OF		

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	APP'D
A	E13319		SR110 STORAGE & T.P. CORRECTION	
B	E13320		EXECUTE 7770-7773 IN EHU 6428	

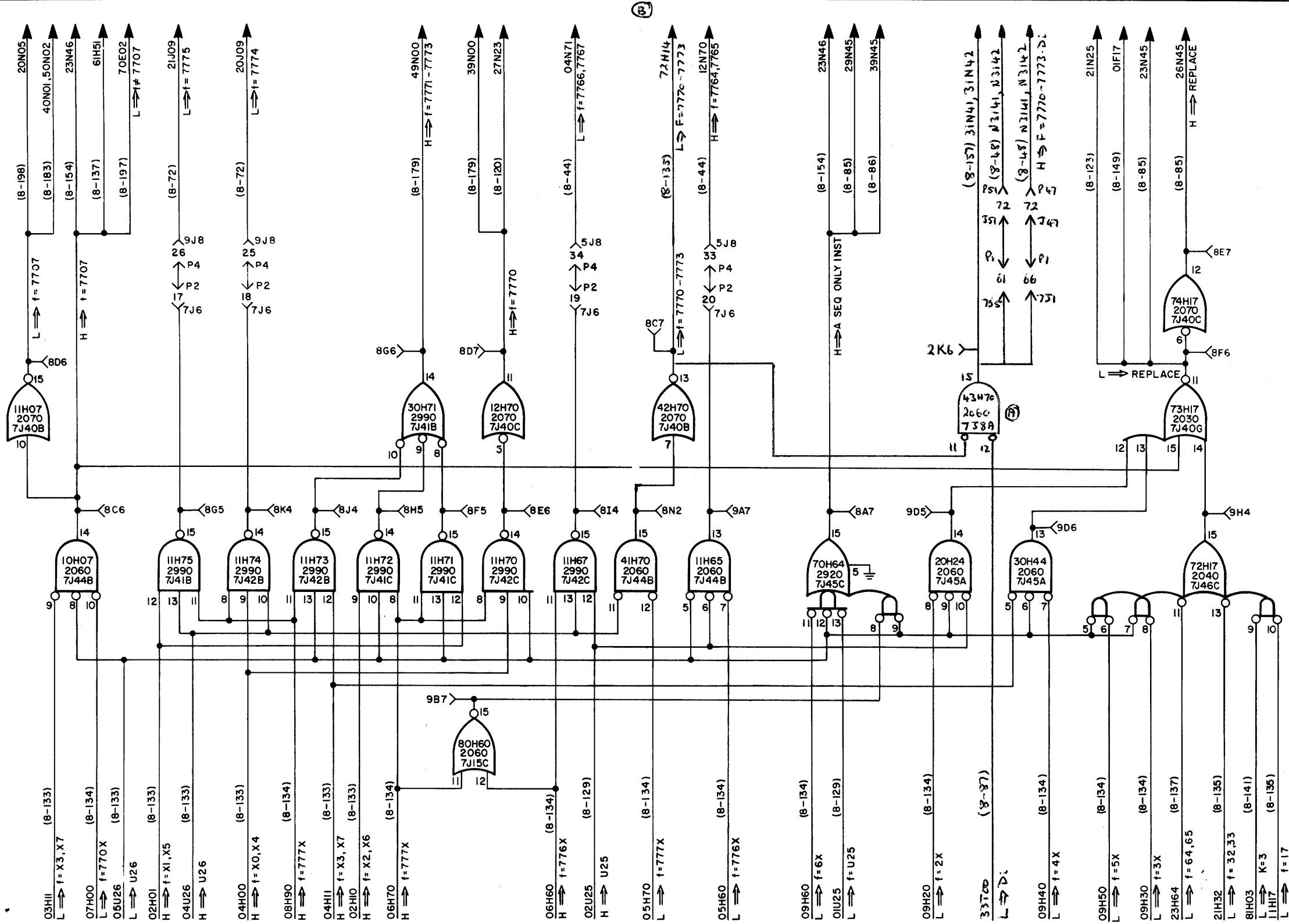


FIGURE 8-139

QTY	FIND	REF	DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL

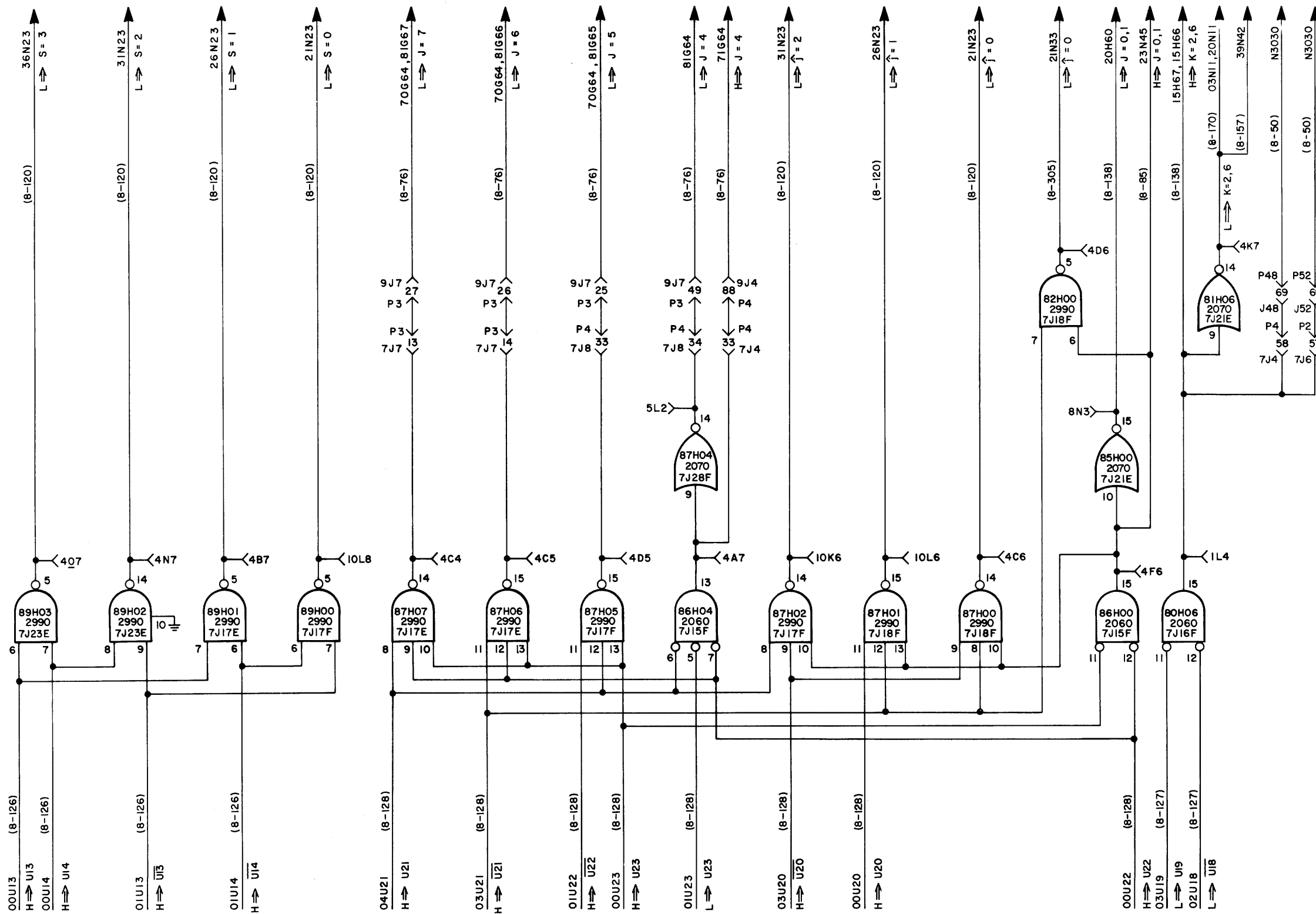
CLASS	UNIVAC	
DRAFTSMAN	R. C. PETERSON	
CHECKER	R. E. STRELNIKES	
ENGINEER	D. FREE	
DATE	12-8-66	
TITLE	FUNCTIONAL SCHEMATIC, FUNCTION CODE TRANSLATOR 7	
CODE IDENT NO.	90536	DWG NO. 7075202
SCALE		SHEET 1 OF 1

IDENT NO. 7075202-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES	TOLERANCE ON 3 PLACE DECIMALS
ANGLES	
HOLE DIAMETER TOLERANCE	
THREADS	EXT. CL. 2A, INT. CL. 2B
MATERIAL	
FINISH	
APPLICATION	
EQUIPMENT	
COMMODITY CODE	



REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	DATE

FIGURE 8-140

QTY	FIND	REF	DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL			
CLASS	A	UNIVAC	DIVISION OF SPERRY RAND CORPORATION
DRAFTSMAN	G.S. WHEBBE	DATE	12-9-66
CHECKER	B. POPOV	DATE	3-31-67
ENGINEER	D. FREE	DATE	3-31-67
APPROVED	<i>[Signature]</i>	DATE	3-31-67
CODE IDENT NO.	90536	SIZE	D
DWG NO.	7075203	SCALE	
SHEET	1	OF	1

IDENT NO. 7075203-00

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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS	± .005
DIMENSION IN INCHES. TOLERANCE ON 3 PLACE DECIMALS	± .0005
ANGLES	± .01
HOLE DIAMETER TOLERANCE	± .0005
0 THRU .250	± .0005
.251 THRU .500	± .0005
.501 & LARGER	± .001
THREADS: EXT. CL. 2A, INT. CL. 2B	
MATERIAL	
FINISH	

REVISIONS			
SYM	ZONE	EIR	DESCRIPTION

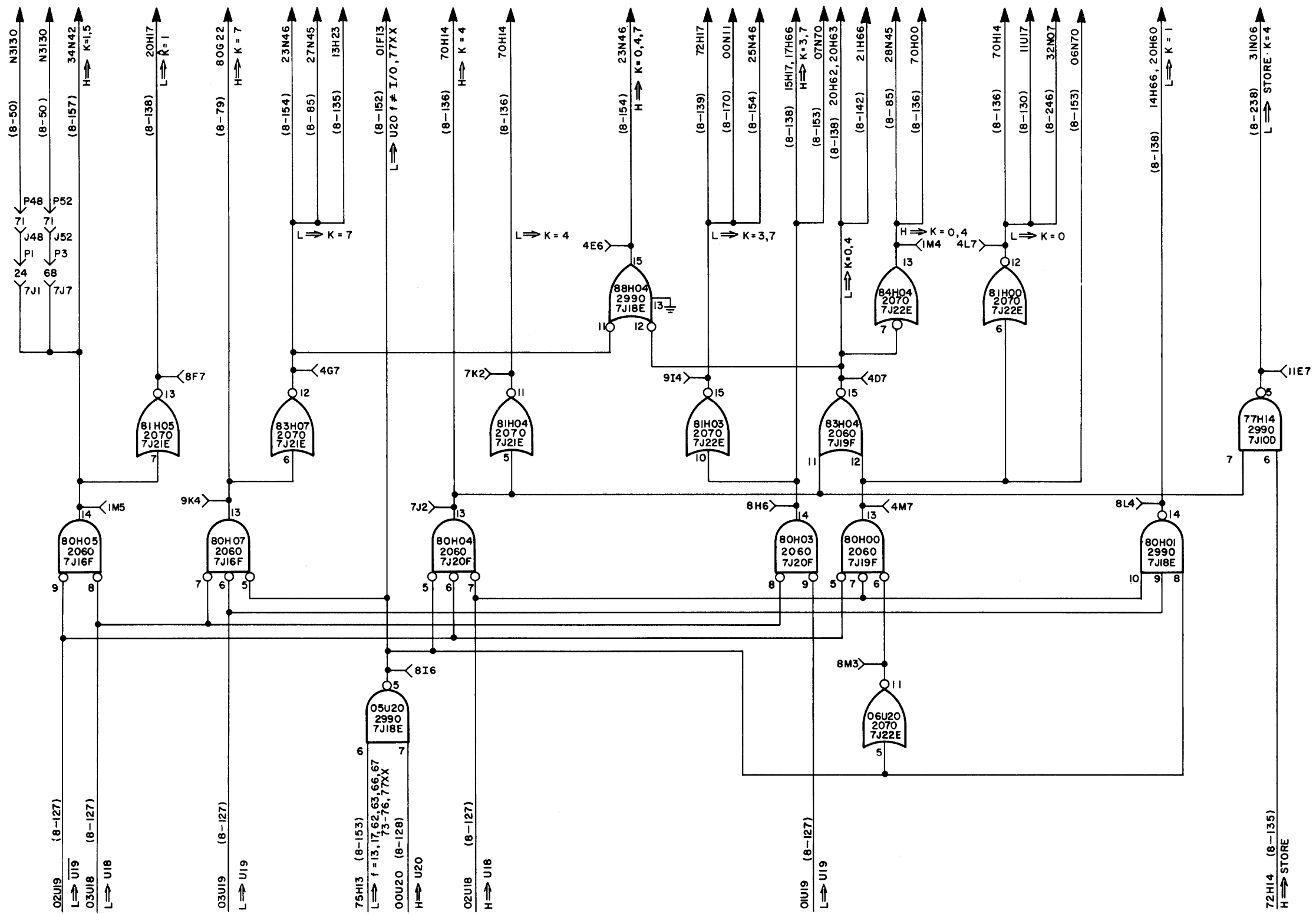


FIGURE 8-141

QTY	FIND	REF	DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL			

UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES: TOLERANCE ON	R. C. PETERSON	12-8-66	A
2 PLACE DECIMALS	CHECKER	B. POPOV	
3 PLACE DECIMALS	ENGINEER	D. FREE	
ANGLES	APPROVED	<i>[Signature]</i>	
HOLE DIAMETER TOLERANCE	COMMODITY CODE		
0 THRU .250			
.251 THRU .500			
.501 & LARGER			
+ .003			
+ .005			
+ .010			
-.002			
-.003			
-.005			
THREADS: EXT. CL. 2A, INT. CL. 2B			
MATERIAL			
FINISH			

IDENT NO. 7075204-00			
THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:			
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TITLE			
FUNCTIONAL SCHEMATIC,			
FUNCTION CODE TRANSLATOR 9			
CODE IDENT NO.	SIZE	DWG NO.	
90536	D	7075204	
SCALE	WEIGHT	SHEET	OF

REVISIONS			
SYM	ZONE	EIR	DESCRIPTION

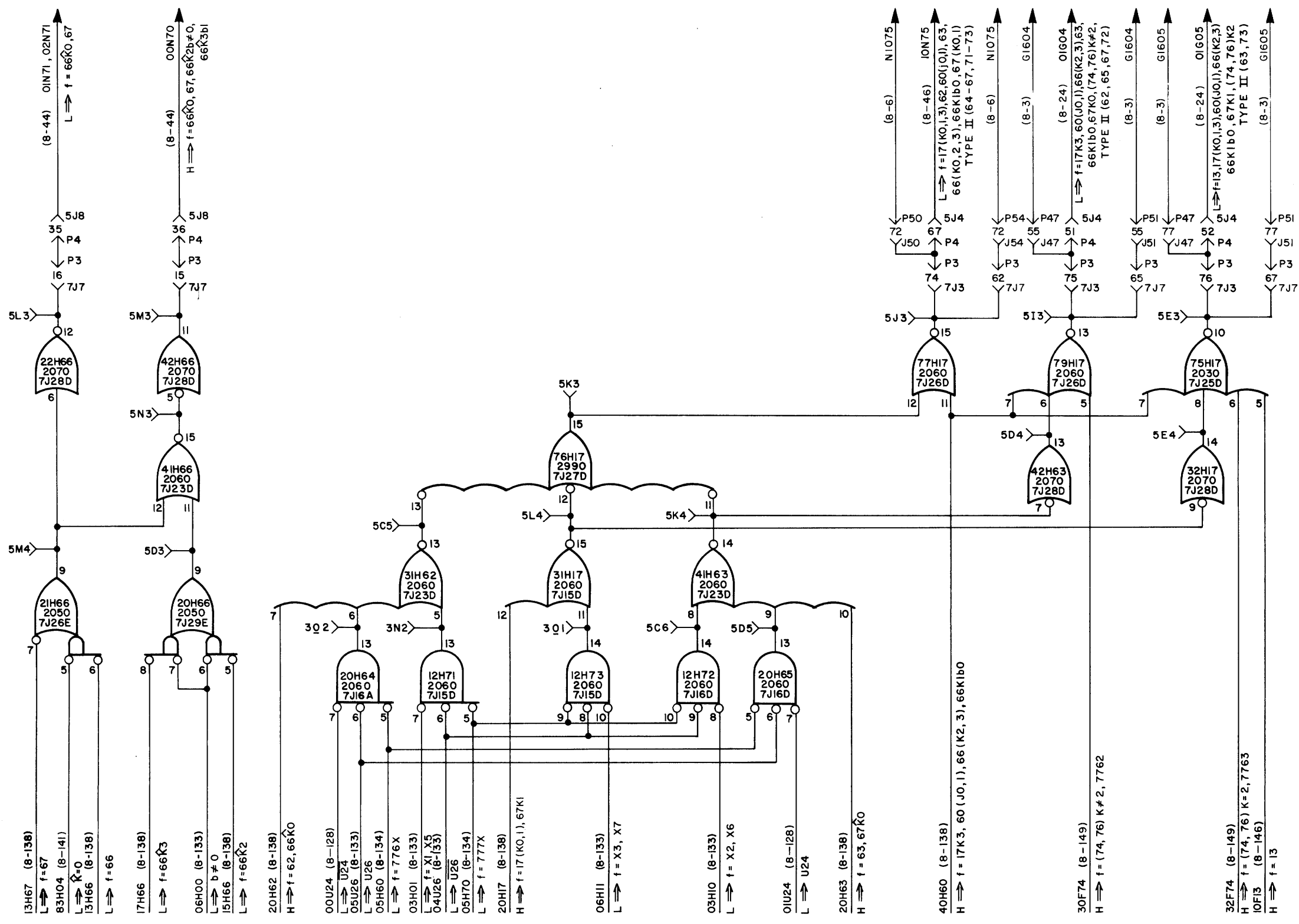


FIGURE 8-142

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
		UNLESS OTHERWISE SPECIFIED		LAYOUT		
		DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS		DATE 12-8-66		
		3 PLACE DECIMALS		CLASS A		
		HOLE DIAMETER TOLERANCE		DRAFTSMAN R.C. PETERSON		
		0 THRU .250 +.003		CHECKER B. POPOV		
		.251 THRU .500 +.005		ENGINEER D. FREE		
		.501 & LARGER +.010		APPROVAL <i>R.C. Peterson</i>		
		THREADS: EX: CL 2A, INT CL 2B		COMMODITY CODE		
		MATERIAL		FINISH		
				TITLE		
				FUNCTIONAL SCHEMATIC, FUNCTION CODE TRANSLATOR 10		
CODE IDENT NO.		SIZE		DWG NO.		
90536		D		7075205		
SCALE		WEIGHT		SHEET 1 OF 1		

IDENT NO. 7075205-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DEALT WITH IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVED
A		71692	SEE EIR	8/10/65	M.H. [Signature]
B		77406	SEE EIR	1-22-64	[Signature]

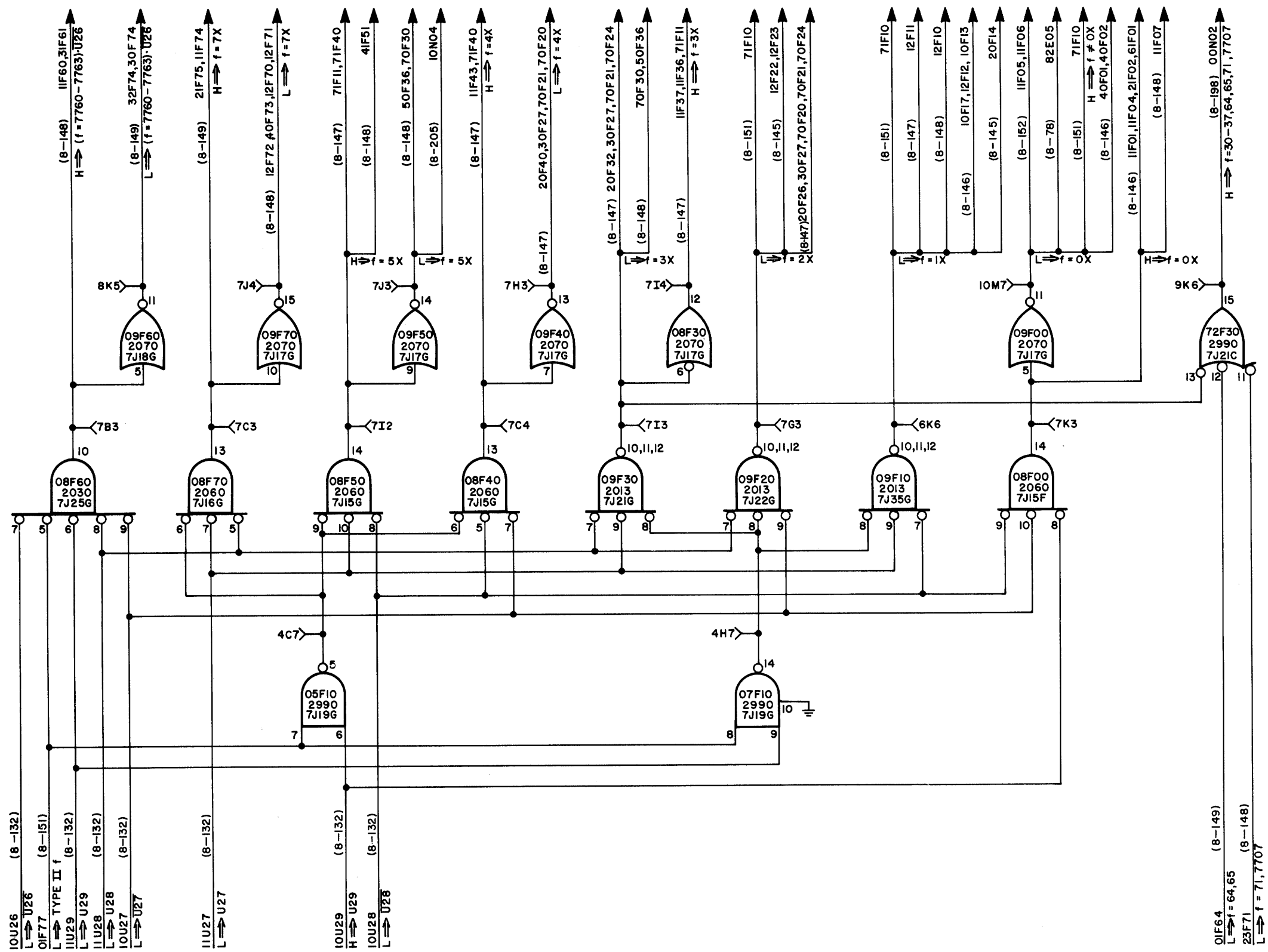


FIGURE 8-143

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	
							LIST OF MATERIAL
UNIVAC							CLASS
DIVISION OF SPERRY RAND CORPORATION							A
DRAFTSMAN							DATE
R. L. JOHNSON							8-16-65
CHECKER							TITLE
B. POPOV							FUNCTIONAL SCHEMATIC, FUNCTION CODE TRANSLATOR II
ENGINEER							DATE
N. MACRORE							9-15-65
APPROVAL							CODE IDENT NO.
[Signature]							90536
COMMODITY CODE							SIZE
							D
FINISH							DWG NO.
							7032898
SCALE							WEIGHT
							SHEET OF

IDENT NO. 7032898-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES. TOLERANCE ON	LAYOUT
2 PLACE DECIMALS ±	DRAFTSMAN
3 PLACE DECIMALS ±	R. L. JOHNSON
ANGLES ±	CHECKER
HOLE DIAMETER TOLERANCE	B. POPOV
0 THRU .250 ±.003	ENGINEER
.251 THRU .500 ±.005	N. MACRORE
.501 & LARGER ±.010	APPROVAL
THREADS: EXT. CL. 2A, INT. CL. 2B	[Signature]
MATERIAL	DATE
	9-15-65
FINISH	

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	DATE

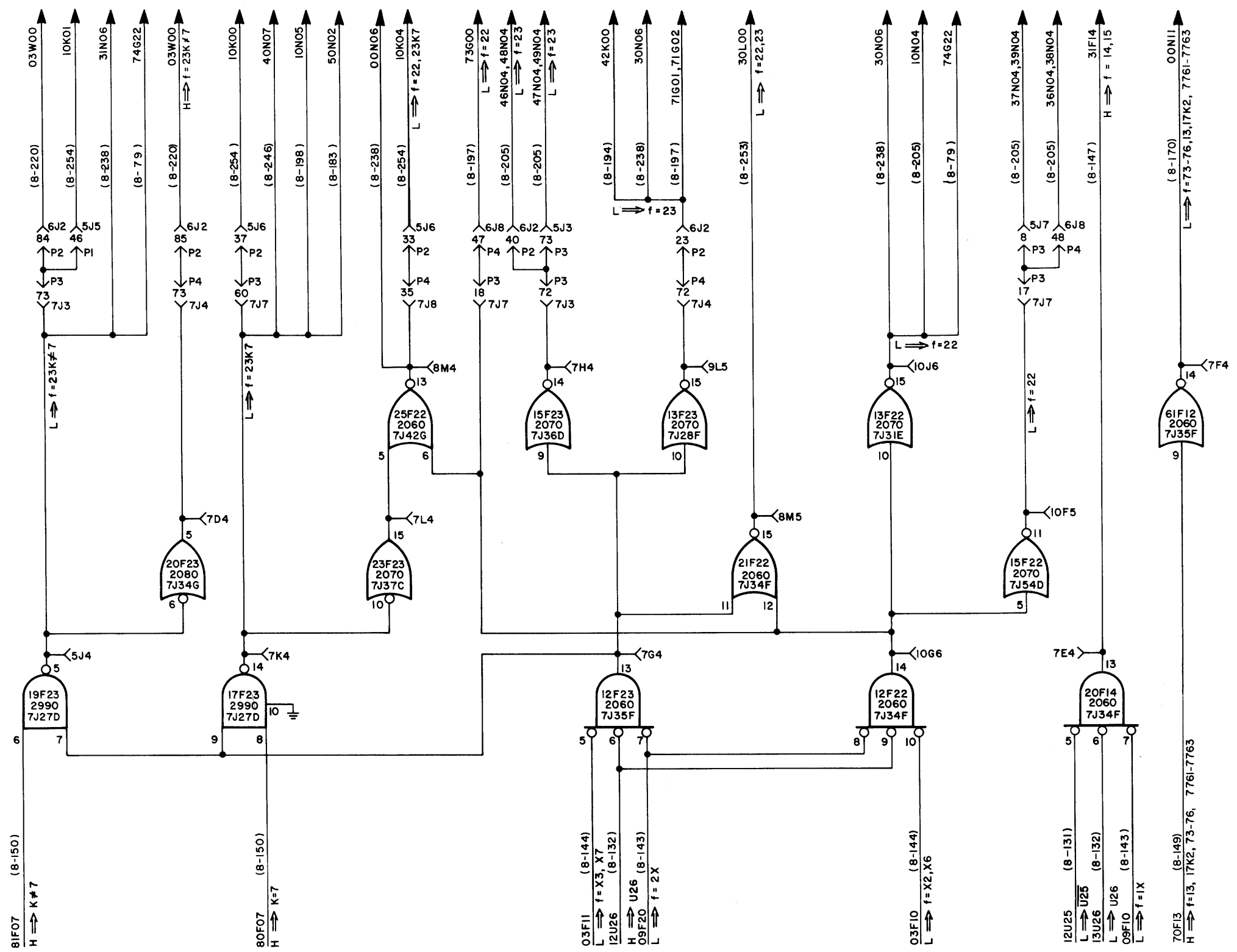


FIGURE 8-145

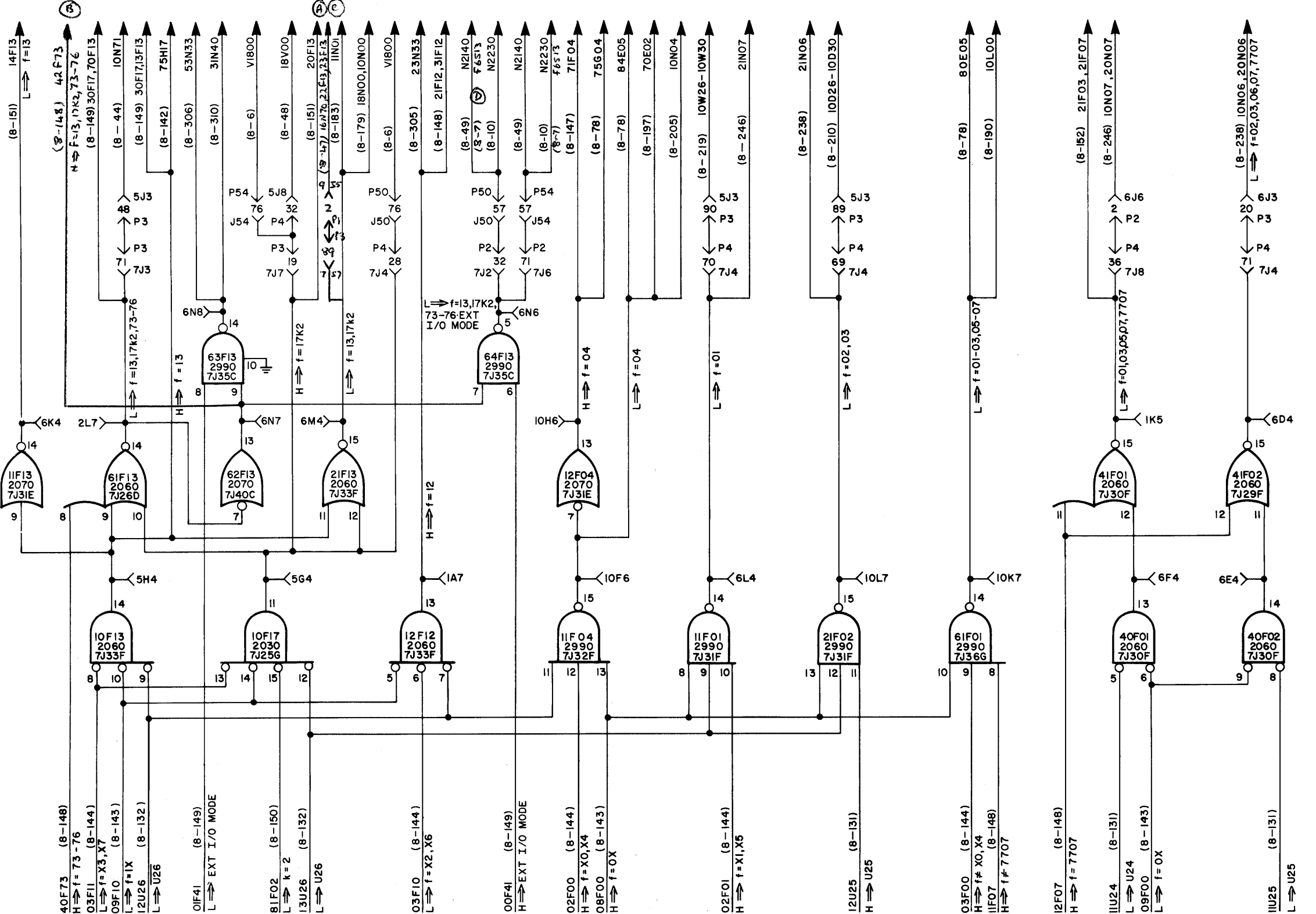
QTY	FIND	REF DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD			IDENT	SIZE	IDENTIFYING NO.	

UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE		CLASS	
DIMENSION IN INCHES. TOLERANCE OR		DATE		CLASS		A	
2 PLACE DECIMALS ±		R. C. PETERSON		12-8-66		TITLE	
3 PLACE DECIMALS ±		CHECKER		3-31-67		FUNCTIONAL SCHEMATIC,	
ANGLES ±		R. STRELNIEKS		3-31-67		FUNCTION CODE	
HOLE DIAMETER TOLERANCE		ENGINEER		3-31-67		TRANSLATOR 13	
0 THRU .250 +.003		J. LAMBING		3-31-67		CODE IDENT NO.	
.251 THRU .500 +.005		APPROVAL		3-31-67		SIZE	
.501 & LARGER +.010		J. Lambing		3-31-67		DWG NO.	
-.002						90536 D	
THREADS: EXY CL 2A, INT CL 2B						7075207	
MATERIAL						SCALE	
FINISH						WEIGHT	
						SHEET 1 OF 1	

IDENT NO. 7075207-00

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REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVED
A	E13313		13-17K2 INSTRUCTION CORRECTION		
B	E13375		SPART 642B EHM INTERFACE MOD		
C	E13396		COMPUTER I/O MOD		
D	0167		B/W INHIBIT MOD		

FIGURE 8-146

QTY	FIND	REF DES	CODE	DATE	CLASS	PART OR IDENTIFYING NO.			NOMENCLATURE OR DESCRIPTION	
					A	UNIVAC			FUNCTIONAL SCHEMATIC, FUNCTIONAL CODE TRANSLATOR 14	
DRAFTSMAN						R. PHERNETTON				12-9-66
CHECKER						B. POPOV				8-31-67
ENGINEER						J. LAMBING			8-31-67	
APPROVAL						<i>J. Lambing</i>			8-31-67	
90536	D					CODE IDENT NO.		SIZE	DWG NO.	
						90536		D	7075208	
SCALE	WEIGHT	SHEET		OF						

DIMENSION IN INCHES	TOLERANCE ON	
	2 PLACE DECIMALS	3 PLACE DECIMALS
HOLE DIAMETER TOLERANCE	0 THRU .250 + .003	.251 THRU .500 + .005
	.501 & LARGER + .010	
THREADS	EXT. CL. 2A, INT. CL. 2B	
MATERIAL		
FINISH		

IDENT NO. 7075208-00

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APPLICATION	DATE

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE
A		71703	SEE EIR		11-1-65

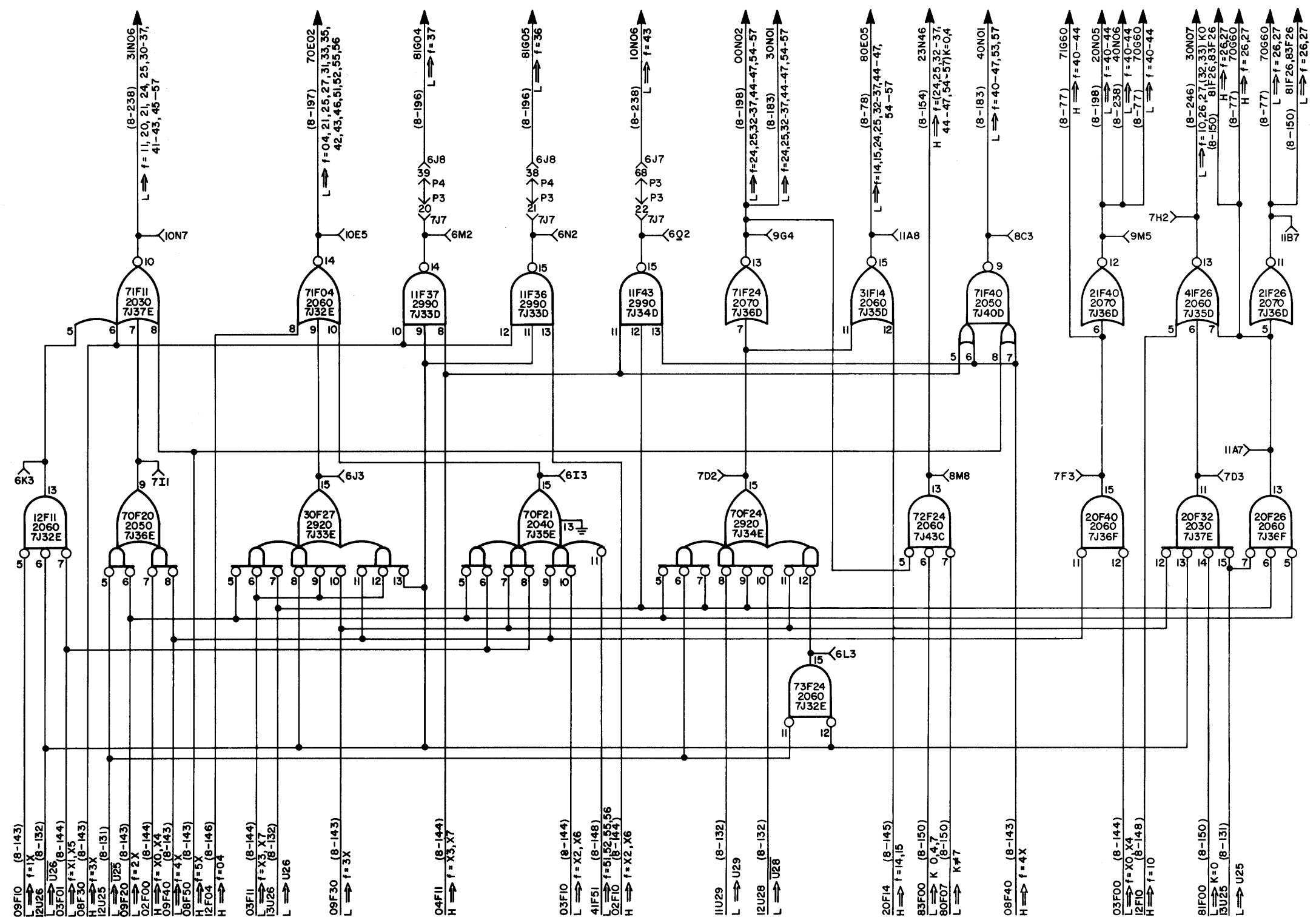


FIGURE 8-147

QTY	FIND	REF DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL			
LAYOUT	DATE	CLASS	
DRAFTSMAN	5-28-65	A	
CHECKER			
ENGINEER			
APPROVAL			

UNIVAC	
DIVISION OF SPERRY RAND CORPORATION	
TITLE	
FUNCTIONAL SCHEMATIC, FUNCTION CODE TRANSLATOR IS	
CODE IDENT NO.	SIZE
90536	D
DWG NO.	
7032900	
SHEET OF	

IDENT NO. 7032900-00

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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES. TOLERANCE ON	ANGLES
2 PLACE DECIMALS	±
3 PLACE DECIMALS	±
HOLD DIAMETER TOLERANCE	
0 THRU .250	± .005
.251 THRU .500	± .005
.501 & LARGER	± .010
THREADS: EXT. CL. 2A, INT. CL. 2B	
MATERIAL	
FINISH	

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVED
A	E13313		13417K2 INSTRUCTION CORRECTION		
B	E13375		5 PART 642B EMA INTERFACE MOD		

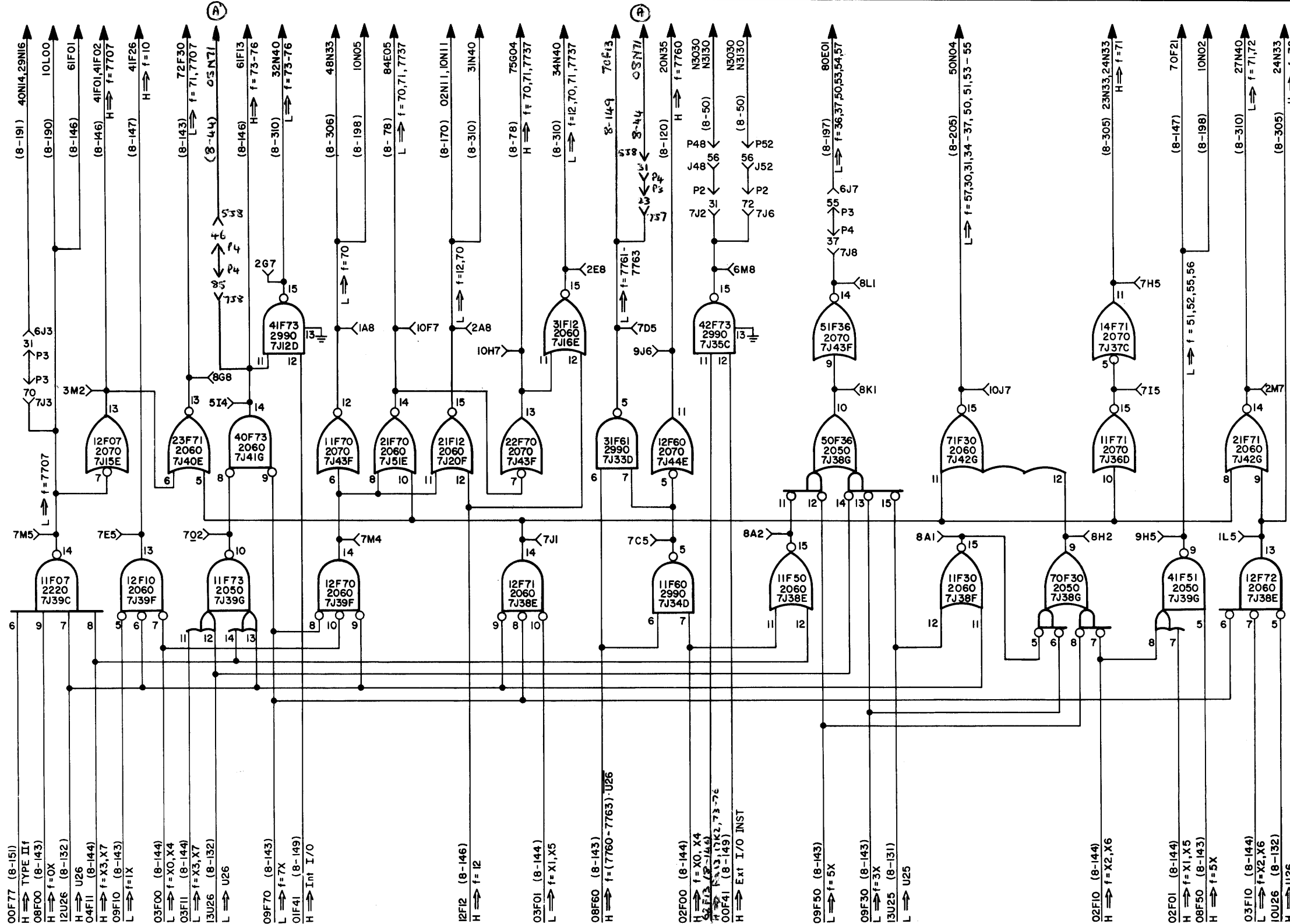


FIGURE 8-148

QTY	REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL							
							UNIVAC
							DIVISION OF SPERRY RAND CORPORATION
							FUNCTIONAL SCHEMATIC
							FUNCTION CODE TRANSLATOR 16
							CODE IDENT NO. 90536 SIZE D DWG NO. 7075209
							SCALE _____ WEIGHT _____ SHEET 1 OF 1

DATE	CLASS
1-23-67	A
3-31-67	
3-31-67	
3-31-67	

IDENT NO. 7075209-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT (S):
 ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DEALT WITH IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

UNLESS OTHERWISE SPECIFIED:
 DIMENSION IN INCHES. TOLERANCE ON:
 2 PLACE DECIMALS ± .005
 3 PLACE DECIMALS ± .002
 ANGLES ± .005
 HOLD DIAMETER TOLERANCE:
 0 THRU .250 ± .003
 .251 THRU .500 ± .005
 .501 & LARGER ± .010
 THREADS: EXT. CL. 2A, INT. CL. 2B
 MATERIAL:
 FINISH:

LAYOUT DATE CLASS
 DRAFTSMAN G. S. WHEBBE
 CHECKER B. POPOV
 ENGINEER J. LAMBING
 APPROVAL

REVISIONS				
ZONE	LTR	EIR	DESCRIPTION - FOR DETAILS SEE EIR	CHK DATE APPROVED
A	E13313		13 + 17K2 INSTRUCTION CORRECTION	
B	E13314		EXT I/O FIFO CORRECTION	
C	E13356		EXT I/O ENABLE CORRECTION	
D	E13375		S PART 642 B EMU INTERFACE MOD	
E	3741		DISABLE EXT I/O ON FAULT	

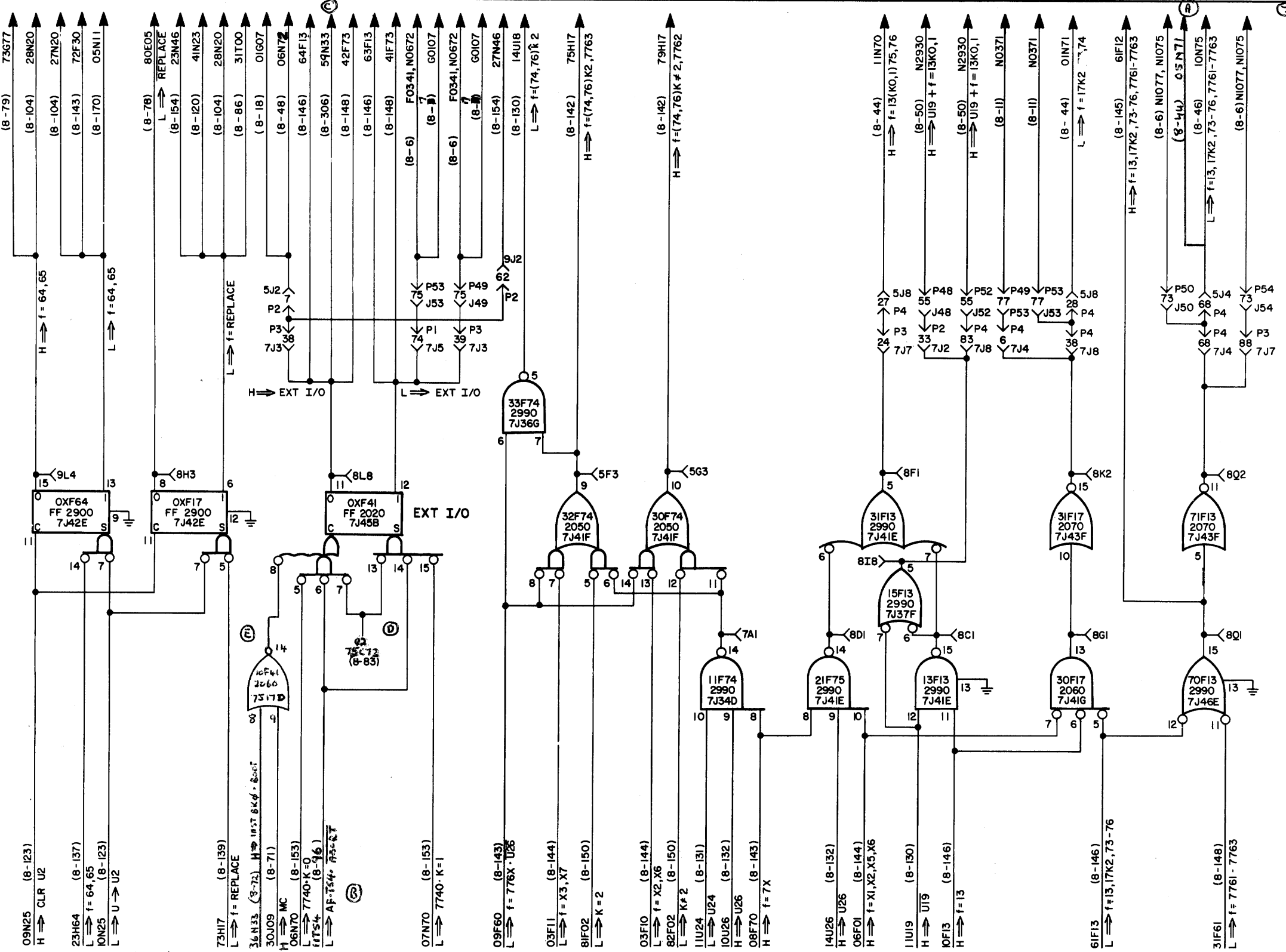


FIGURE 8-149

IDENT NO. 7075210-00

UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES TOL ON 2 PLACE DECIMALS 3 PLACE ANGLES		LAYOUT DRAFTSMAN G.S.WHEBBE	DATE 12-3-66 CLASS A	UNIVAC DEFENSE SYSTEMS DIVISION DIVISION OF SPERRY RAND CORPORATION UNIVAC PARK, ST. PAUL, MINN. 55118			
HOLE DIA. TOL. 0 THRU .251 < .301 AND .301 > THRU .301 LARGER + .003 + .005 + .010 - .002 - .003 - .005				CHECKER B. POPOV		TITLE FUNCTIONAL SCHEMATIC, FUNCTION CODE TRANSLATOR I7	
THREADS: EXT. CL 2A, INT. CL 2B				ENGINEER J. LAMBING		SIZE D	
COMMODITY CODE				APPROVAL <i>J. Lambing</i>		CODE IDENT. NO. 90536	DWG NO. 7075210
		SCALE		WEIGHT			
			SHEET 1 OF 1				

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVED
A		71692	SEE EIR		<i>[Signature]</i>
B		75320	SEE EIR		<i>[Signature]</i>

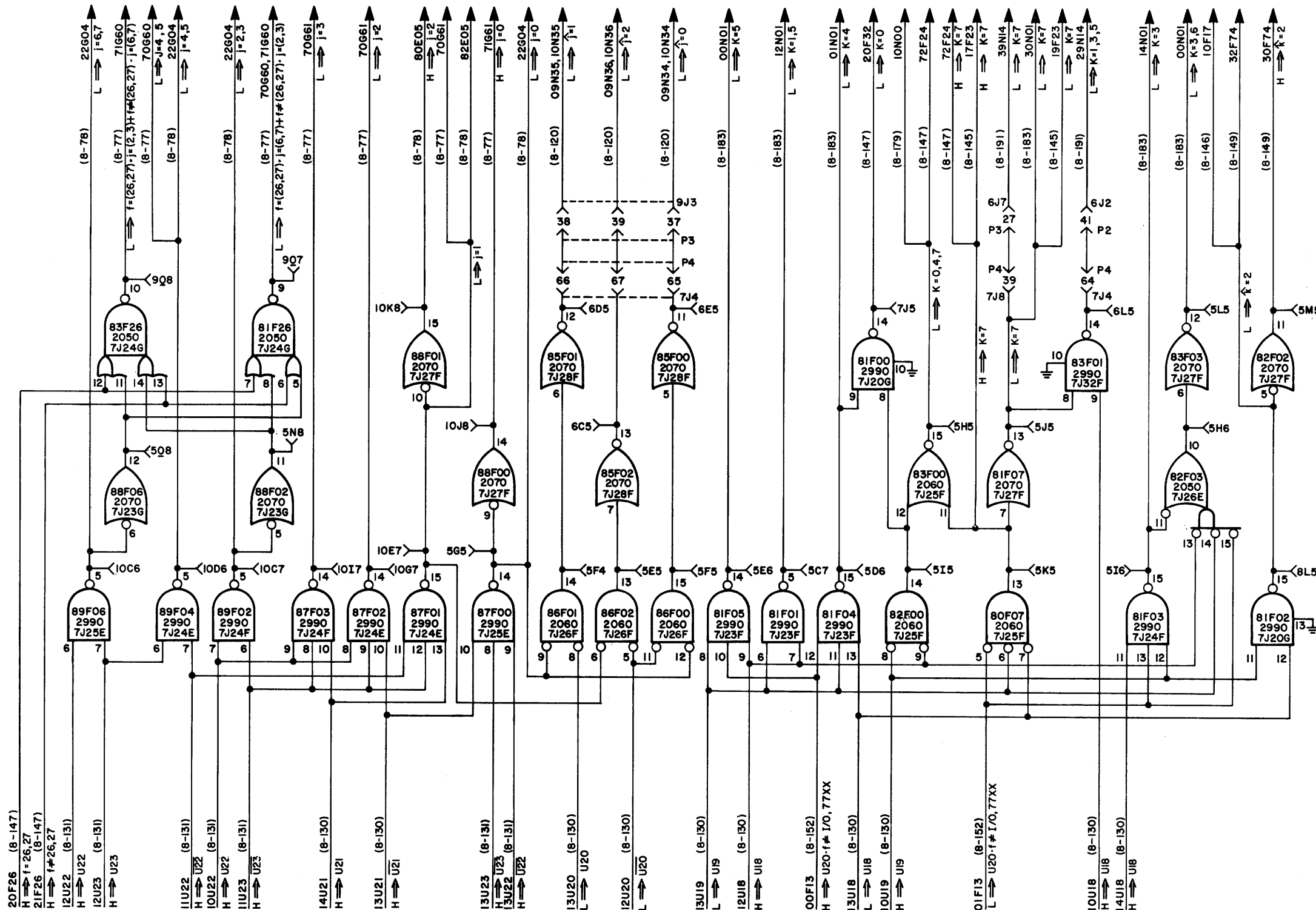


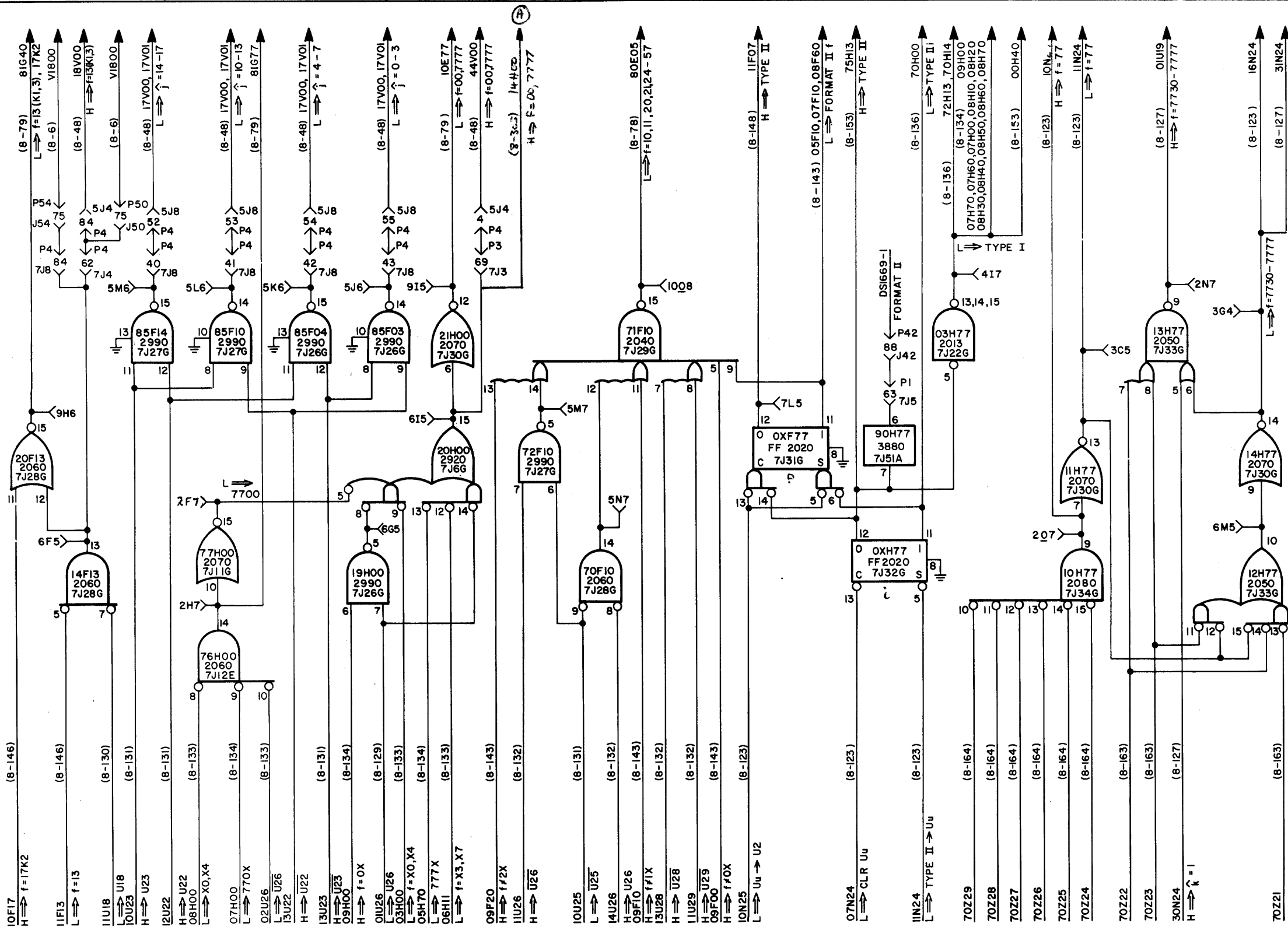
FIGURE 8-150

IDENT NO. 7032903-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DEALT WITH IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE		CLASS	
DIMENSION IN INCHES, TOLERANCE OR 2 PLACE DECIMALS		DRAFTSMAN		8-9-65		A	
± .005		V. STEEBER				TITLE	
HOLE DIAMETER TOLERANCE		CHECKER		9-15-65		FUNCTIONAL SCHEMATIC, FUNCTION CODE TRANSLATOR 18	
0 THRU .250 ± .003		B. POPOV				CODE IDENT NO.	
.251 THRU .500 ± .005		ENGINEER		9-15-65		SIZE	
.501 & LARGER ± .010		N. MACROBIE				DWG NO.	
THREADS: EXT. CL. INT. CL. 2B		APPROVAL				90536	
MATERIAL		COMMODITY CODE				D	
FINISH		APPLICATION				7032903	
NEXT ASSY		EQUIPMENT				SCALE	
WEIGHT		SHEET		OF		1	



REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	DATE
A	E13315		B' MODIFIED FAULT	

FIGURE 8-151

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL							
UNIVAC							
DIVISION OF SPERRY RAND CORPORATION							
LAYOUT				DATE	CLASS	TITLE	
DRAFTSMAN D. LODGE				12-8-67	A	FUNCTIONAL SCHEMATIC, FUNCTION CODE TRANSLATOR 19	
CHECKER B. POPOV							
ENGINEER J. LAMBING							
APPROVED <i>J.P. Pinkney</i>							
MATERIAL				FINISH	COMMODITY CODE	CODE IDENT NO.	SIZE DWG NO.
						90536	D 7075211
NEXT ASSY				EQUIPMENT	APPLICATION	SCALE	WEIGHT
							SHEET OF

IDENT NO. 7075211-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT.

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REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED

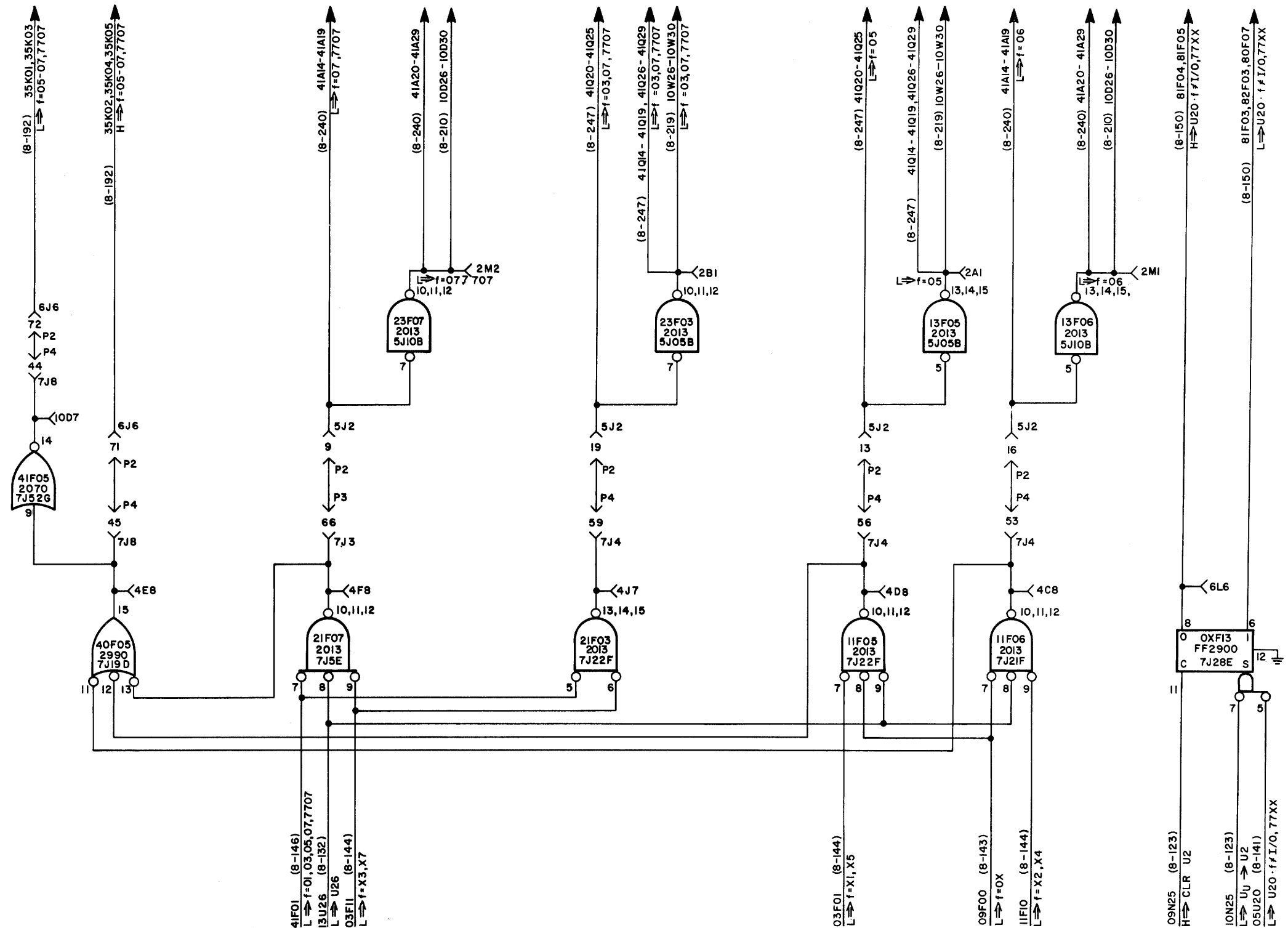


FIGURE 8-152

QTY	FIND	REF DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

UNLESS OTHERWISE SPECIFIED		LAYOUT	DATE	CLASS
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS	3 PLACE DECIMALS	M. HARRELL	5-28-65	A
HOLE DIAMETER TOLERANCE	ANGLES	CHECKER		
0 THRU .250		B. POPOV	9-15-65	
+.003		ENGINEER		
-.002		N. MACRORE	9-15-65	
		APPROVAL		

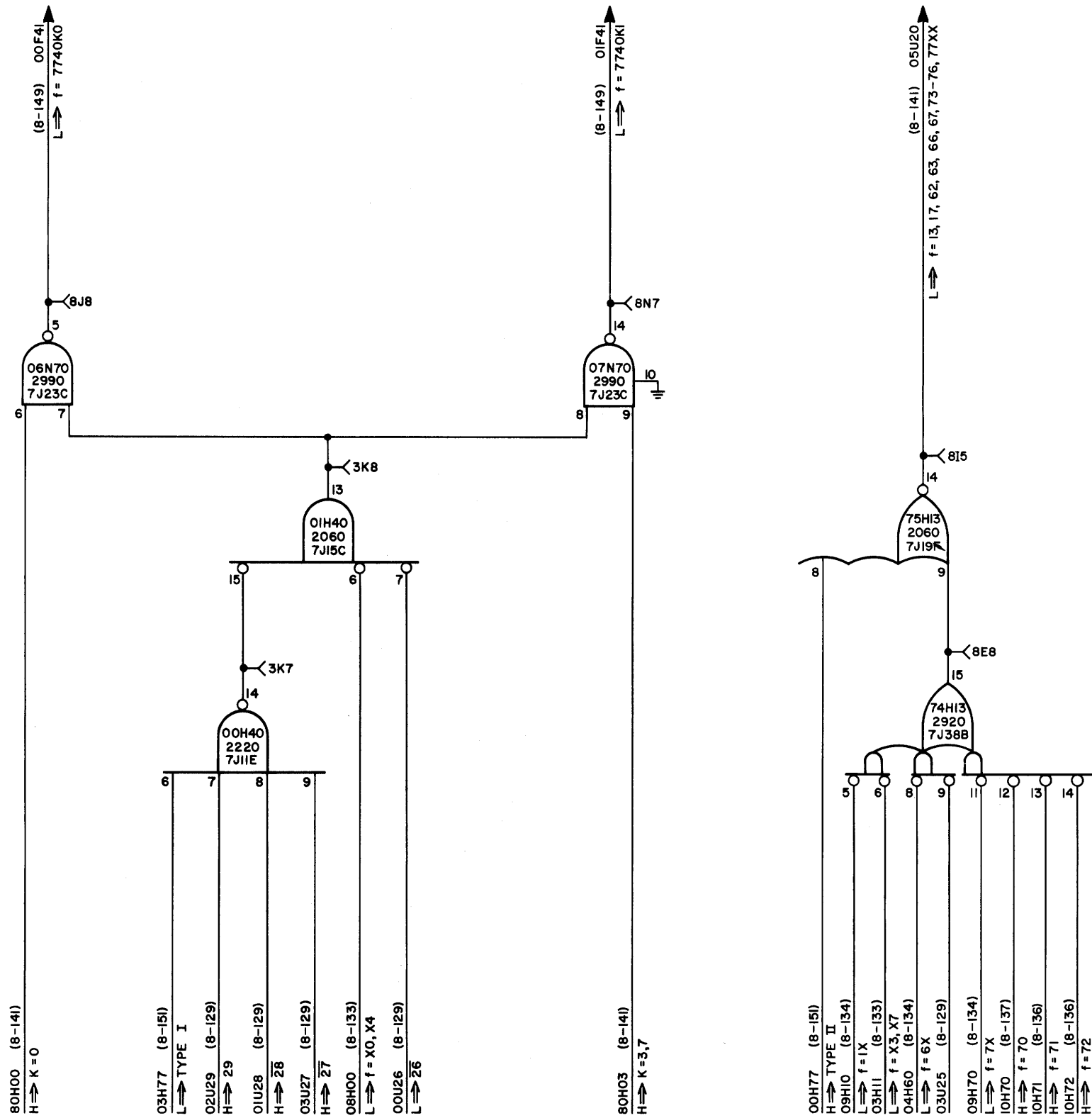
CODE IDENT NO.	SIZE	DWG NO.
90536	D	7032905

IDENT NO. 70 32905-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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REVISIONS						
ZONE	LTR	EIR	DESCRIPTION - FOR DETAILS SEE EIR	CHK	DATE	APPROVED



IDENT. NO. 7075212-00

FIGURE 8-153

UNLESS OTHERWISE SPECIFIED		LAYOUT	DATE	CLASS	UNIVAC DEFENSE SYSTEMS DIVISION	
DIMENSIONS IN INCHES TOL. ON		DRAFTSMAN	2-8-66	A	DIVISION OF SPERRY RAND CORPORATION UNIVAC PARK, ST. PAUL, MINN. 55118	
2 PLACE DECIMALS	3 PLACE DECIMALS	E. BICKETT			TITLE	
+	+	CHECKER			FUNCTIONAL SCHEMATIC,	
-	-	B. POPOV	3-31-67		FUNCTION CODE,	
HOLE DIA. TOL.		ENGINEER			TRANSLATOR 21	
0 THRU .251	.251 THRU .501 AND LARGER	J. LAMBING	3-31-67		SIZE	CODE IDENT.
+.003	+.005	APPROVAL			D	90536
-.002	-.003				DWG NO.	7075212
THREADS, EXT. CL 2A, INT. CL 2B					SCALE	WEIGHT
COMMODITY CODE						SHEET 1 OF 1

REVISED	
SYM	DESCRIPTION
ZONE	
EIR	

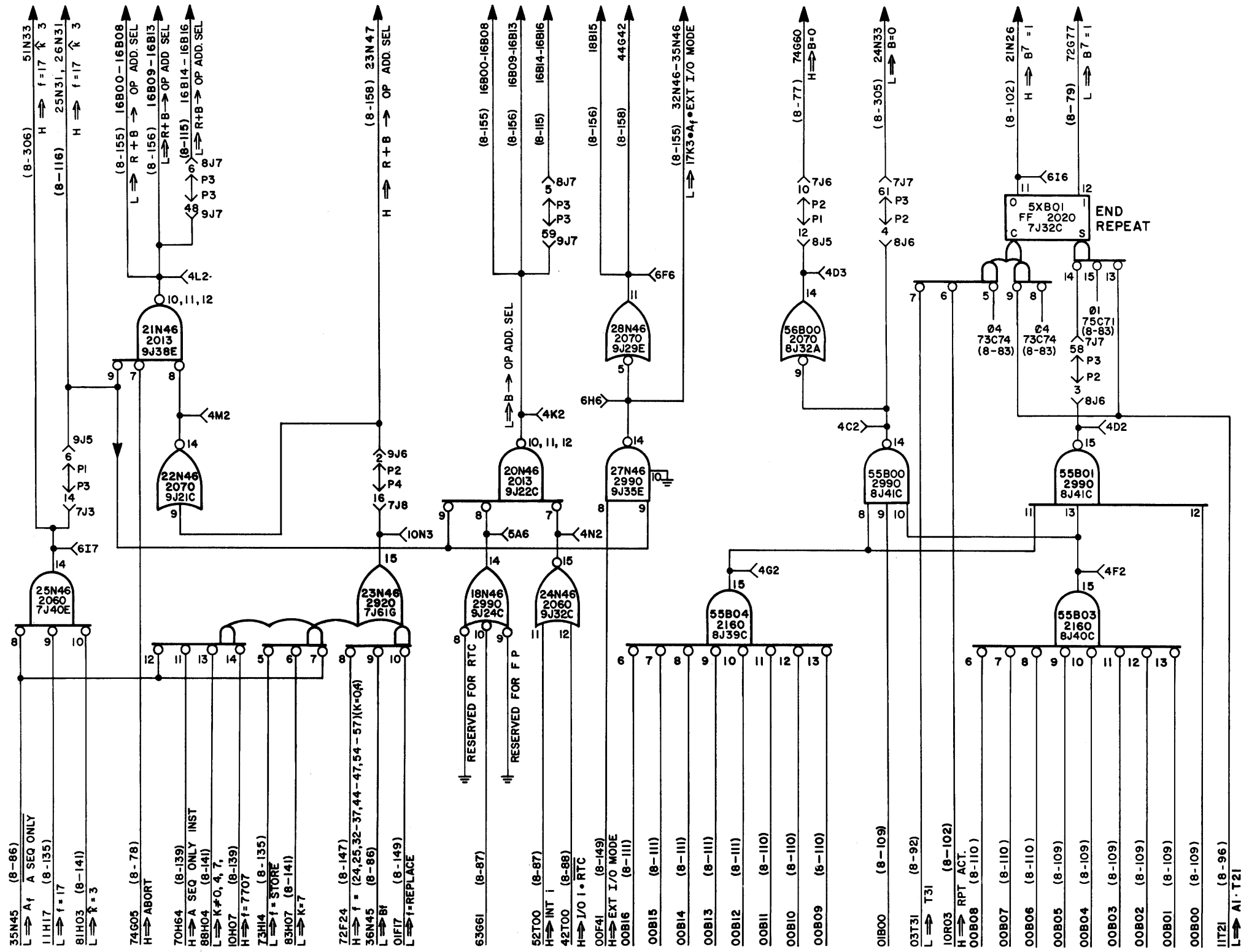


FIGURE 8-154

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNLESS OTHERWISE SPECIFIED			LAYOUT	DATE	CLASS	UNIVAC DIVISION OF SPERRY RAND CORPORATION
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS 3 PLACE DECIMALS ANGLES			DRAFTSMAN G. ERLANDSON	1-23-67	A	
HOLE DIAMETER TOLERANCE			CHECKER B. POPOV	3-31-67	TITLE FUNCTIONAL SCHEMATIC, OPERAND ADDRESS SELECT CONTROL, B=0,+1	
0 THRU .250 +.003 .251 THRU .500 +.005 .501 & LARGER +.010			ENGINEER J. LAMBING	3-31-67	CODE IDENT NO.	SIZE
THREADS: EXT. CL. 2A, INT. CL. 2B			APPROVAL <i>J. Lambing</i>	3-31-67	90536	D
FINISH			COMMODITY CODE		DWG NO.	7075213
NEXT ASSY			APPLICATION		SCALE	WEIGHT
EQUIPMENT					SHEET	OF

IDENT NO. 7075213-00

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REVISIONS						
ZONE	LTR	EIR	DESCRIPTION - FOR DETAILS SEE EIR	CHK	DATE	APPROVED

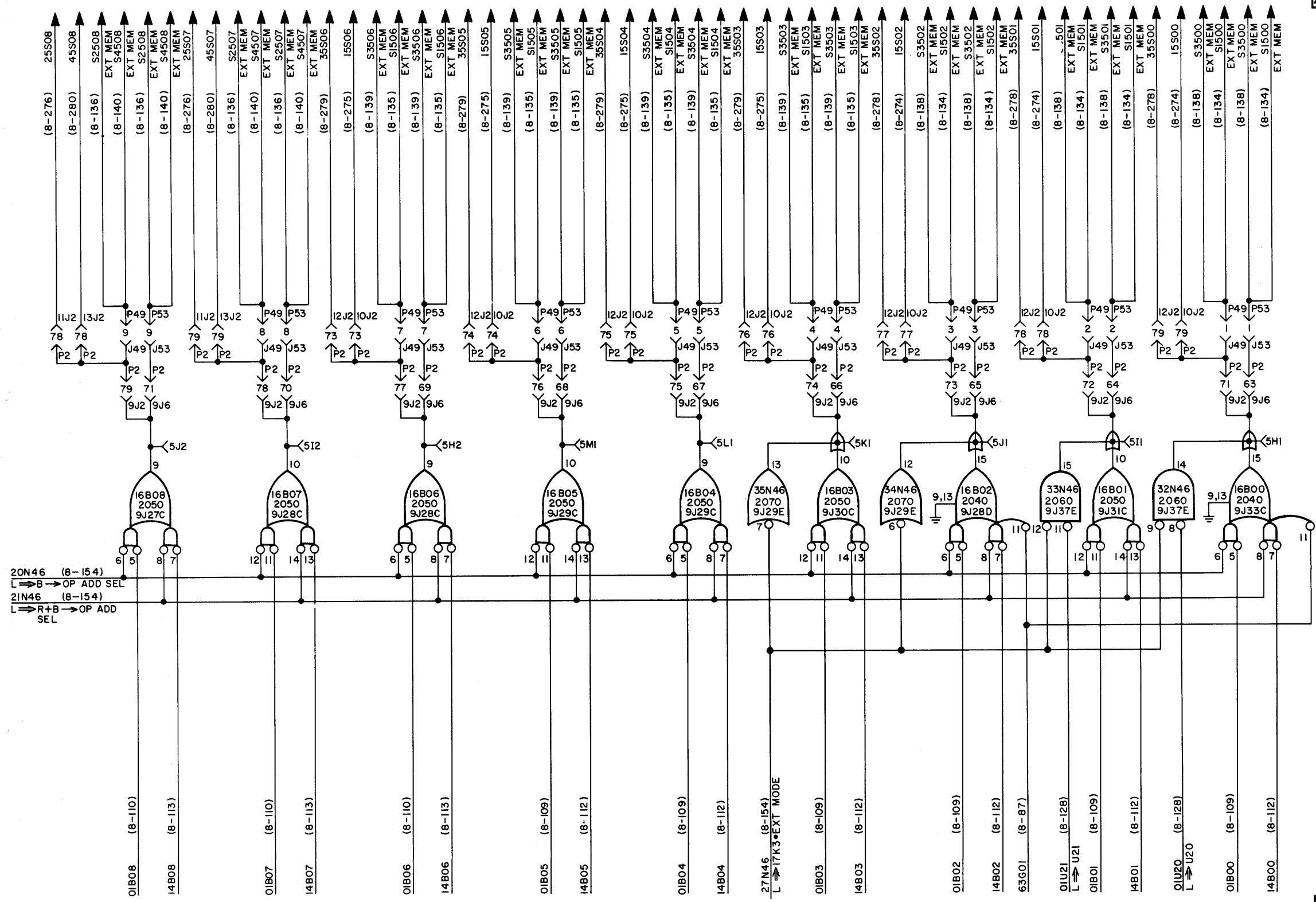


FIGURE 8-155

IDENT NO. 7075214-00

UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES TOL. ON 2 PLACE 3 PLACE ANGLES DECIMALS DECIMALS + - HOLE DIA. TOL. 0 THRU .251 THRU .501 AND + .003 + .005 + .010 - .002 - .003 - .005 LARGER THREADS: EXT. CL 2A, INT. CL 2B COMMODITY CODE	LAYOUT	DATE	CLASS	UNIVAC DEFENSE SYSTEMS DIVISION DIVISION OF SPERRY RAND CORPORATION UNIVAC PARK, ST. PAUL, MINN. 55118
	DRAFTSMAN D. LODGE	12-11-6	A	
	CHECKER B. POPOV	3-31-67		
	ENGINEER J. LAMBING	3-31-67		
APPROVAL <i>J. Lambing</i>	3-31-67			TITLE FUNCTIONAL SCHEMATIC, OPERAND ADDRESS, SELECTOR BITS 00-08
				SIZE D
				CODE IDENT. NO. 90536
				DWG NO. 7075214
				SCALE
				WEIGHT
				SHEET 1 OF 1

REVISIONS				
ZONE	LTR	EIR	DESCRIPTION - FOR DETAILS SEE EIR	CHK DATE APPROVED

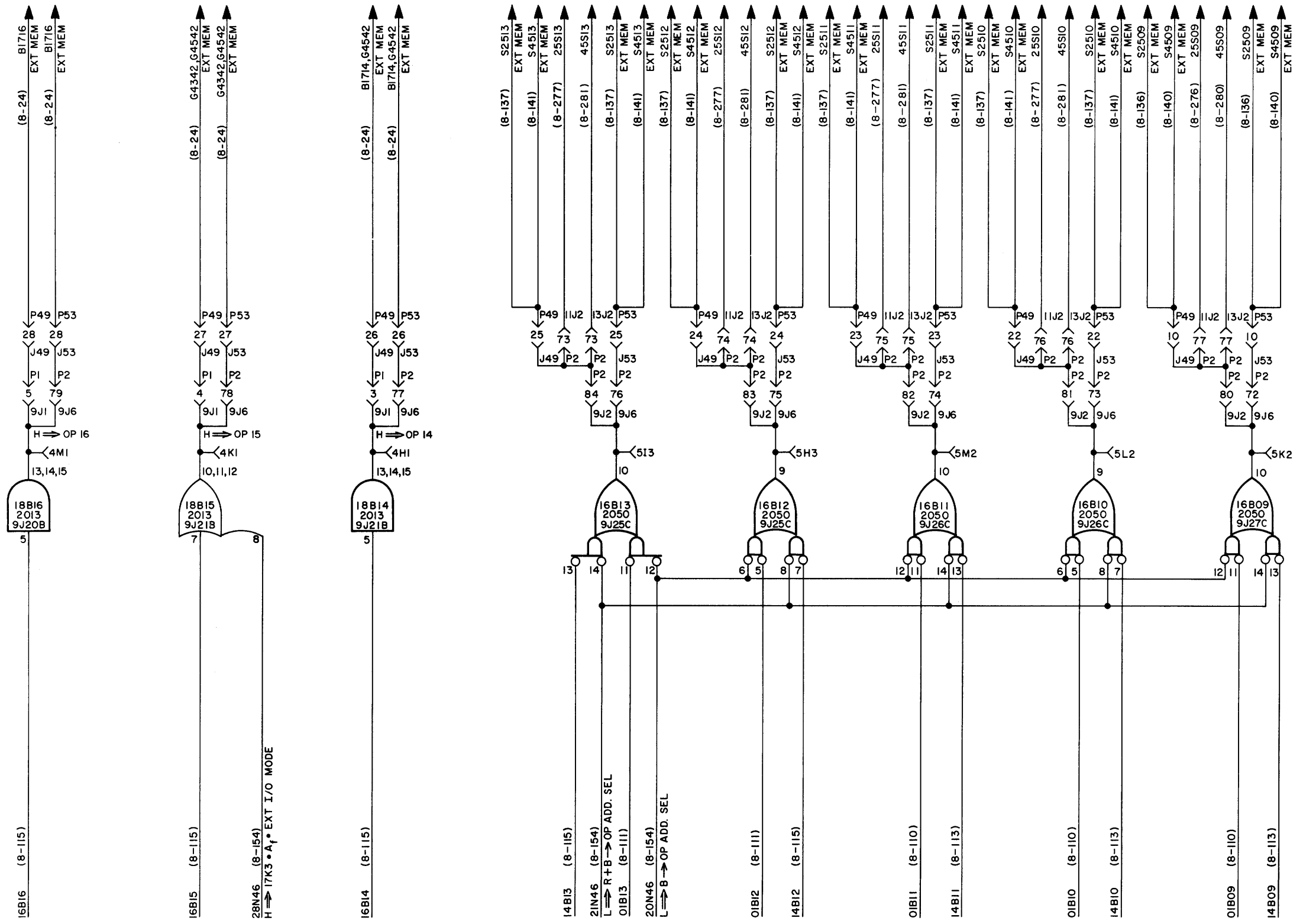


FIGURE 8-156

IDENT NO. 7075215-00

UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES TOL. ON 2 PLACE DECIMALS 3 PLACE DECIMALS ANGLES + .003 + .005 + .010 - .002 - .003 - .005 HOLE DIA. TOL. 0 THRU .251 THRU .501 AND LARGER + .003 + .005 + .010 - .002 - .003 - .005 THREADS: EXT. CL 2A, INT. CL 2B COMMODITY CODE	LAYOUT	DATE	CLASS	UNIVAC DEFENSE SYSTEMS DIVISION <small>DIVISION OF SPERRY RAND CORPORATION UNIVAC PARK, ST. PAUL, MINN. 55116</small> TITLE FUNCTIONAL SCHEMATIC, OPERAND ADDRESS SELECTOR BITS 09-13 SIZE D CODE IDENT. NO. 90536 DWG. NO. 7075215 SCALE WEIGHT SHEET 1 OF 1
	DRAFTSMAN D. LODGE	12-8-6	A	
	CHECKER B. POPOV	3-31-67		
	ENGINEER J. LAMBING	5-31-67		
APPROVAL <i>J. Lambing</i>				

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	DATE
A	E13319		SR110 STORAGE 4TP CORRECTION	
B	E13320		EXECUTE 7770-7773 IN MEM 642B	

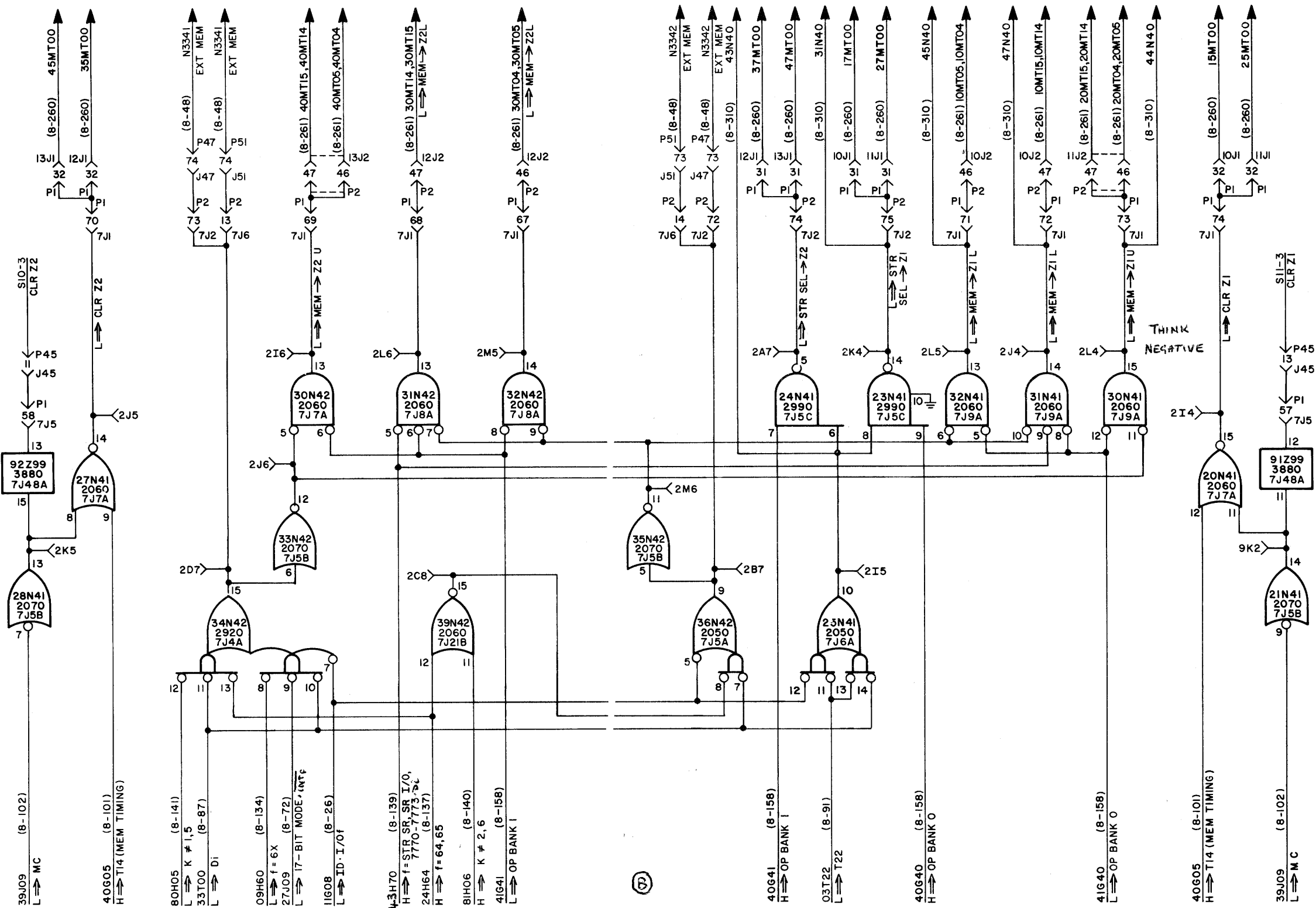


FIGURE 8-157

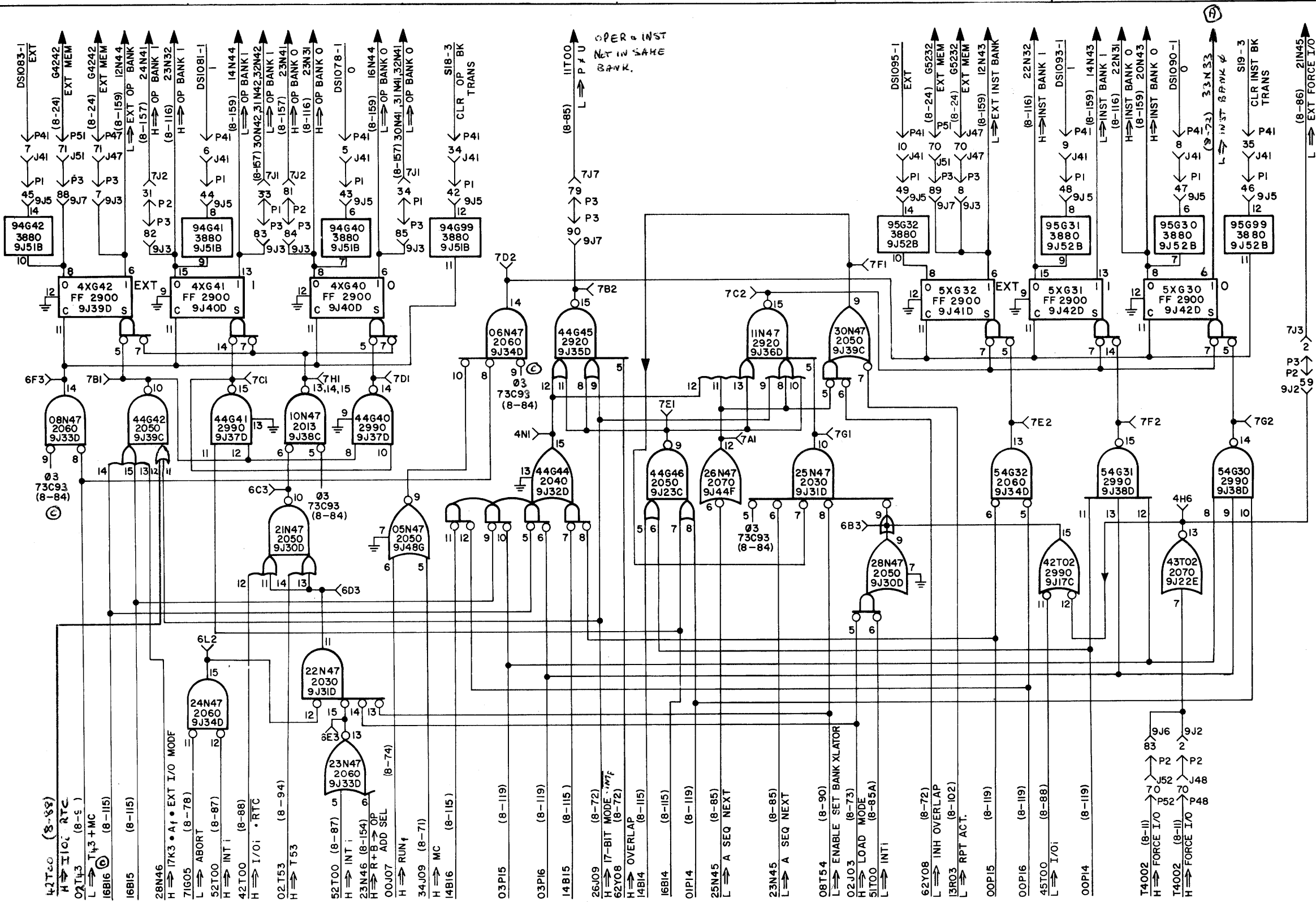
IDENT NO. 7075216-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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UNLESS OTHERWISE SPECIFIED		DIMENSION IN INCHES: TOLERANCE ON		DATE		CLASS	
2 PLACE DECIMALS	3 PLACE DECIMALS	2 PLACE DECIMALS	3 PLACE DECIMALS				
± .003	± .005	± .003	± .005	12-8-66	A	UNIVAC	
± .002	± .003	± .002	± .003			DIVISION OF SPERRY RAND CORPORATION	
HOLD DIAMETER TOLERANCE				TITLE			
0 THRU .250 ± .003				FUNCTIONAL SCHEMATIC,			
.251 THRU .500 ± .005				BANK 0 AND I			
.501 & LARGER ± .010				COMMAND ENABLES			
THREADS: EX. CL. 2A, INT. CL. 2B				CODE IDENT NO. SIZE DWG NO.			
MATERIAL				90536 D 7075216			
FINISH				SCALE WEIGHT SHEET OF			
LAYOUT				DRAFTSMAN G. S. WHEBBE			
CHECKER B. POPOV				ENGINEER J. LAMBING			
APPROVAL: <i>J. Lambing</i>							

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVED
A	E13243		17 BIT MODE & BOOTSTRAP COMPATIBILITY		
B	E13396		COMPUTER I/O MODE		
C	3508		COMPUTER TIMING CORRECTION.		



- 42T00 (8-88) H
- 02T03 (8-8) H
- L
- 16B16 (8-115) L
- 16B15 (8-115) L
- 28N46 H
- H
- 71G05 (8-78) L
- 52T00 (8-87) H
- H
- 42T00 (8-88) H
- H
- 02T53 (8-94) H
- 52T00 (8-87) H
- H
- 23N46 (8-154) H
- H
- 00J07 ADD SEL (8-74) H
- H
- 34J09 (8-71) H
- H
- 14B16 (8-115) H
- 03P15 (8-119) H
- 03P16 (8-119) H
- 14B15 (8-115) H
- 26J09 (8-72) H
- H
- 52Y08 (8-72) H
- H
- 14B14 (8-115) H
- 16B14 (8-115) H
- 01P14 (8-119) H
- 25N45 (8-85) H
- L
- 23N45 (8-85) H
- L
- 08T54 (8-90) L
- L
- 02J03 (8-73) H
- H
- 51T00 (8-85A) H
- L
- INT1 H
- 62Y08 (8-72) L
- L
- 13R03 (8-102) L
- L
- 00P15 (8-119) L
- 00P16 (8-119) L
- 45T00 (8-88) L
- L
- 00P14 (8-119) L
- T4002 (8-11) H
- H
- T4002 (8-11) H
- H

FIGURE 8-158

IDENT NO. 7075217-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE	CLASS	UNIVAC	
DIMENSION IN INCHES, TOLERANCE OF		DRAFTSMAN		H9-66	TITLE	DIVISION OF SPERRY RAND CORPORATION	
2 PLACE DECIMALS		R. PHERNETTON			FUNCTIONAL SCHEMATIC,		
3 PLACE DECIMALS		CHECKER			BANK TRANSLATION		
ANGLES		B. POPOV					
MOLECULAR TOLERANCE		ENGINEER					
0 THRU .250		D. FREE					
+.003		APPROVAL					
+.005		[Signature]					
-.002		COMMODITY CODE					
THREADS: EXT. CL. INT. CL. 28		APPLICATION					
MATERIAL		FINISH					
NEXT ASSY		EQUIPMENT					
PART OR IDENTIFYING NO.		NOMENCLATURE OR DESCRIPTION					
LIST OF MATERIAL		CODE IDENT NO.					
QTY		SIZE					
FIND		DWG NO.					
REF DES		SCALE					
CODE IDENT		WEIGHT					
IDENT		SHEET					
7075217		OF 1					

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		71693	SEE EIR			<i>[Signature]</i>

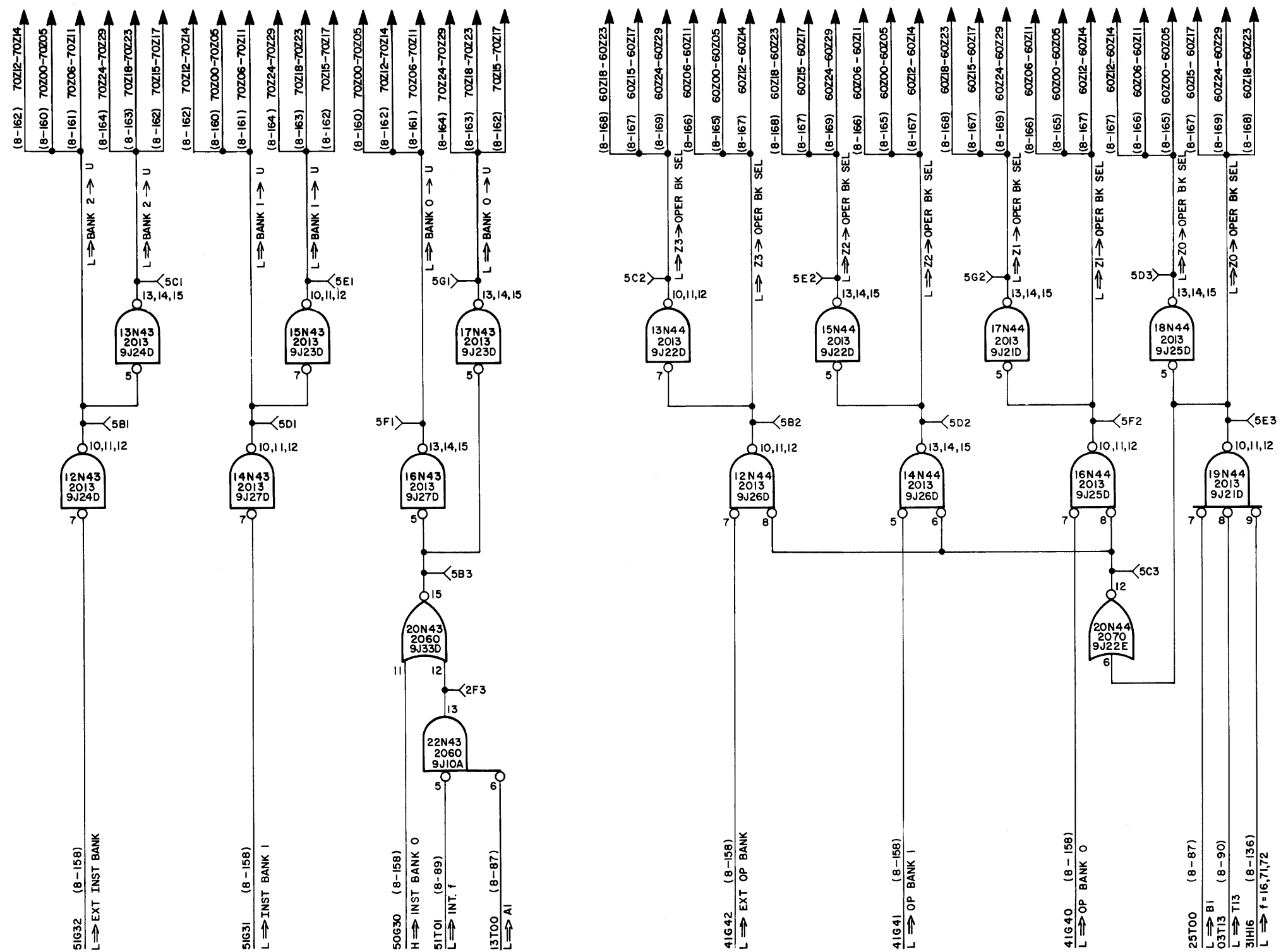


FIGURE 8-159

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

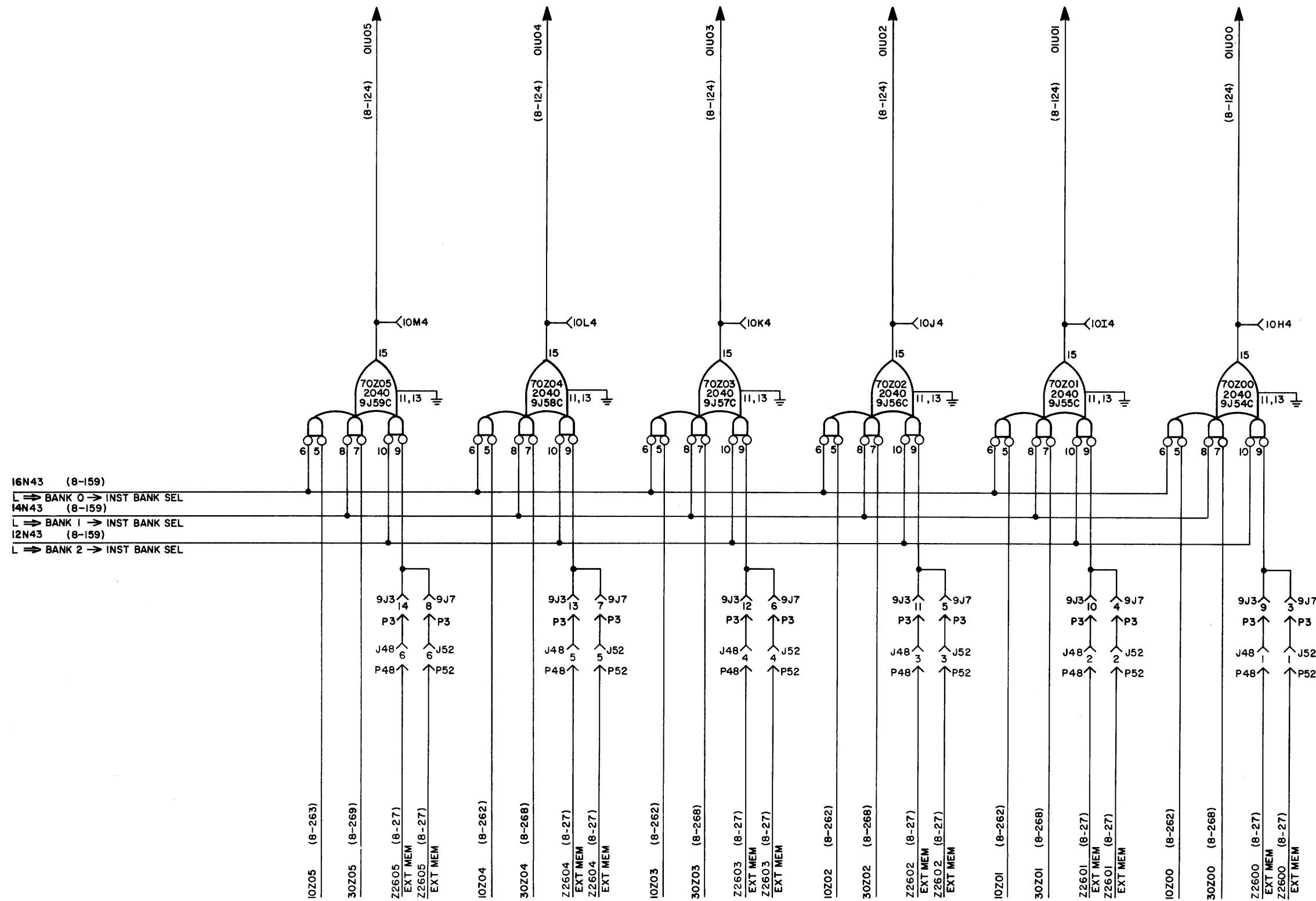
IDENT NO. 7032665-00

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UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE	CLASS
DIMENSION IN INCHES TOLERANCE ON		R. L. BRASKI		2-11-65	A
2 PLACE DECIMALS	3 PLACE DECIMALS	CHECKER			
±	±	B. POPOV			
HOLE DIAMETER TOLERANCE		ENGINEER			
0 THRU .250	.251 THRU .500	N. MACRORE			
+ .003	+ .005	APPROVAL			
- .002	- .003	<i>[Signature]</i>			
THREADS: EXT. CL. 2A, INT. CL. 2B		COMMODITY CODE			
MATERIAL		FINISH			
NEXT ASSY. EQUIPMENT		CODE IDENT NO.		SIZE	DWG NO.
APPLICATION		90536		D	7032665
		SCALE		WEIGHT	SHEET OF

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVED



16N43 (8-159)
 L → BANK 0 → INST BANK SEL
 14N43 (8-159)
 L → BANK 1 → INST BANK SEL
 12N43 (8-159)
 L → BANK 2 → INST BANK SEL

FIGURE 8-160

QTY	FIND	REF DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD			IDENT	SIZE	IDENTIFYING NO.	

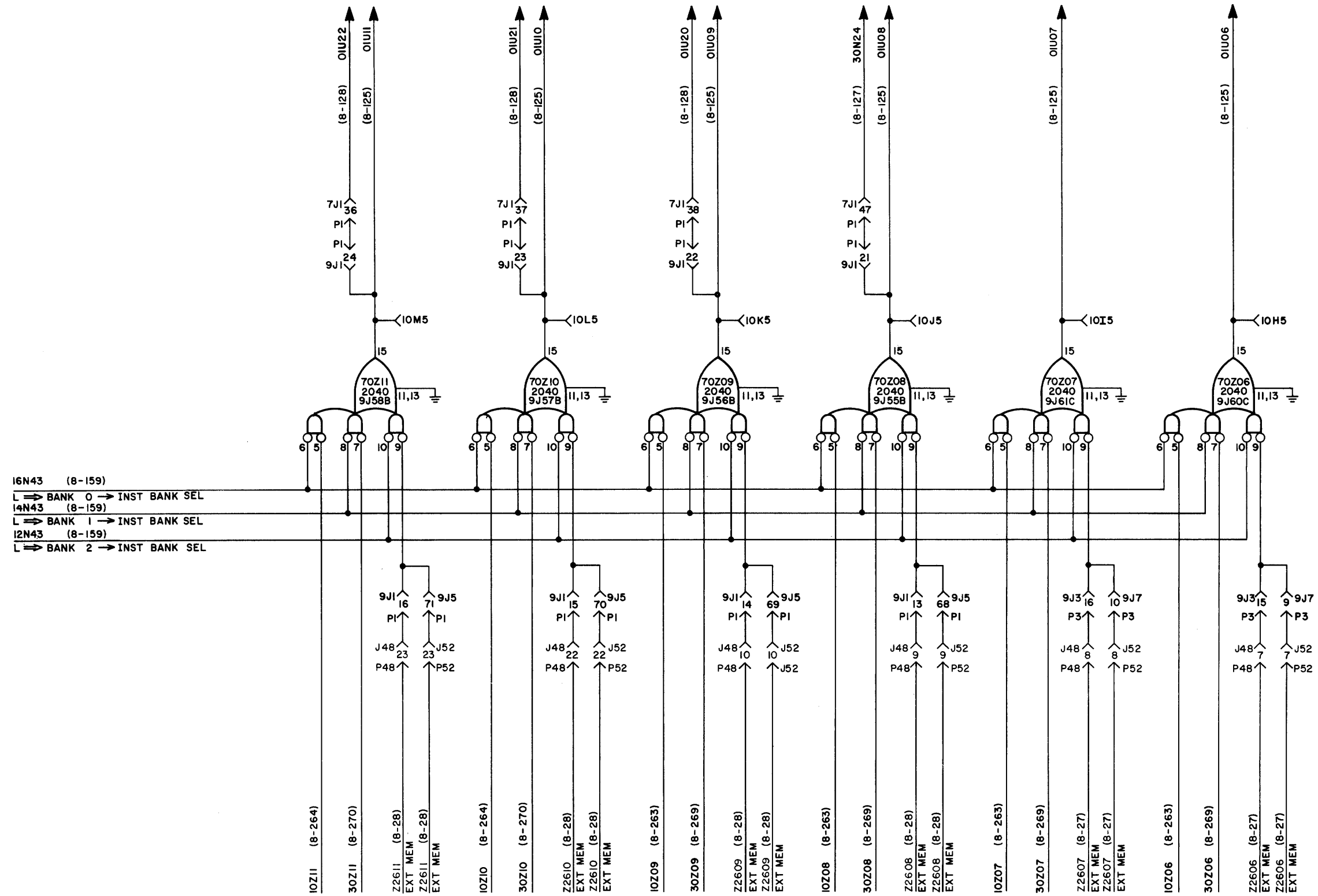
LIST OF MATERIAL	
CLASS	A
UNIVAC DIVISION OF SPERRY RAND CORPORATION	
TITLE	FUNCTIONAL SCHEMATIC, INSTRUCTION BANK SELECT BITS 00-05
DATE	12-8-67
DRAFTSMAN	D. LODGE
CHECKER	B. POPOV
ENGINEER	J. LAMBING
APPROVAL	<i>[Signature]</i>
CODE IDENT NO.	90536
SIZE	D
DWG NO.	7075218
SCALE	
WEIGHT	
SHEET	1 OF 1

IDENT NO. 7075218-00

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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES	TOLERANCE ON 2 PLACE DECIMALS
DIMENSION IN INCHES	TOLERANCE ON 3 PLACE DECIMALS
ANGLES	±
HOLE DIAMETER TOLERANCE	±
0 THRU .250	±.005
.251 THRU .500	±.005
.501 & LARGER	±.010
THREADS: EXT. CL. 2A, INT. CL. 2B	
MATERIAL	
FINISH	

REVISIONS			
SYM	ZONE	EIR	DESCRIPTION



16N43 (8-159)
 L → BANK 0 → INST BANK SEL
 14N43 (8-159)
 L → BANK 1 → INST BANK SEL
 12N43 (8-159)
 L → BANK 2 → INST BANK SEL

FIGURE 8-161

QTY	FIND	REF DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

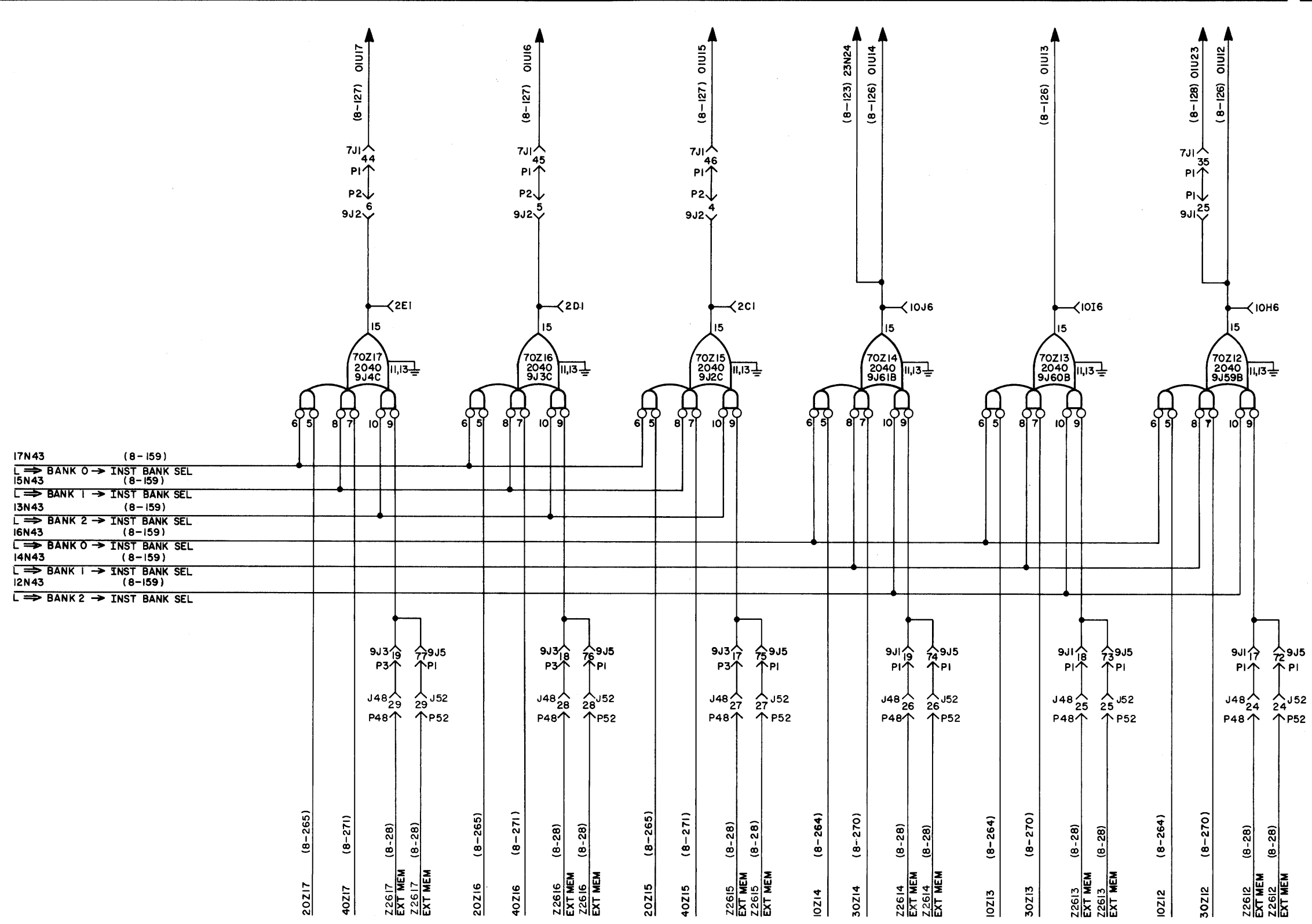
IDENT NO. 7075219-00

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UNLESS OTHERWISE SPECIFIED: DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS = ± .005 3 PLACE DECIMALS = ± .001 ANGLES = ± 30' HOLE DIAMETER TOLERANCE: 0 THRU .250 +.003 .251 THRU .500 +.005 .501 & LARGER +.010 THREADS: EX. CL. 2A, INT. CL. 2B	LAYOUT	DATE	CLASS
	DRAFTSMAN D. LODGE	12-8-66	A
	CHECKER B. POPOV	3-31-67	
	ENGINEER D. HAIR	3-31-67	
APPROVAL	UNIVAC DIVISION OF SPERRY RAND CORPORATION		
TITLE	FUNCTIONAL SCHEMATIC, INSTRUCTION BANK SELECT BITS 06-11		
CODE IDENT NO.	SIZE	DWG NO.	
90536	D	7075219	
SCALE	WEIGHT	SHEET OF	

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	APPROVED



- I7N43 (8-159)
- ⇒ BANK 0 → INST BANK SEL
- I5N43 (8-159)
- ⇒ BANK 1 → INST BANK SEL
- I3N43 (8-159)
- ⇒ BANK 2 → INST BANK SEL
- I6N43 (8-159)
- ⇒ BANK 0 → INST BANK SEL
- I4N43 (8-159)
- ⇒ BANK 1 → INST BANK SEL
- I2N43 (8-159)
- ⇒ BANK 2 → INST BANK SEL

- 20Z17 (8-265)
- 40Z17 (8-271)
- Z2617 (8-28)
- EXT MEM
- Z2617 (8-28)
- EXT MEM
- 20Z16 (8-265)
- 40Z16 (8-271)
- Z2616 (8-28)
- EXT MEM
- Z2616 (8-28)
- EXT MEM
- 20Z15 (8-265)
- 40Z15 (8-271)
- Z2615 (8-28)
- EXT MEM
- Z2615 (8-28)
- EXT MEM
- 10Z14 (8-264)
- 30Z14 (8-270)
- Z2614 (8-28)
- EXT MEM
- Z2614 (8-28)
- EXT MEM
- 10Z13 (8-264)
- 30Z13 (8-270)
- Z2613 (8-28)
- EXT MEM
- Z2613 (8-28)
- EXT MEM
- 10Z12 (8-264)
- 30Z12 (8-270)
- Z2612 (8-28)
- EXT MEM
- Z2612 (8-28)
- EXT MEM

FIGURE 8-162

IDENT NO. 7075220-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

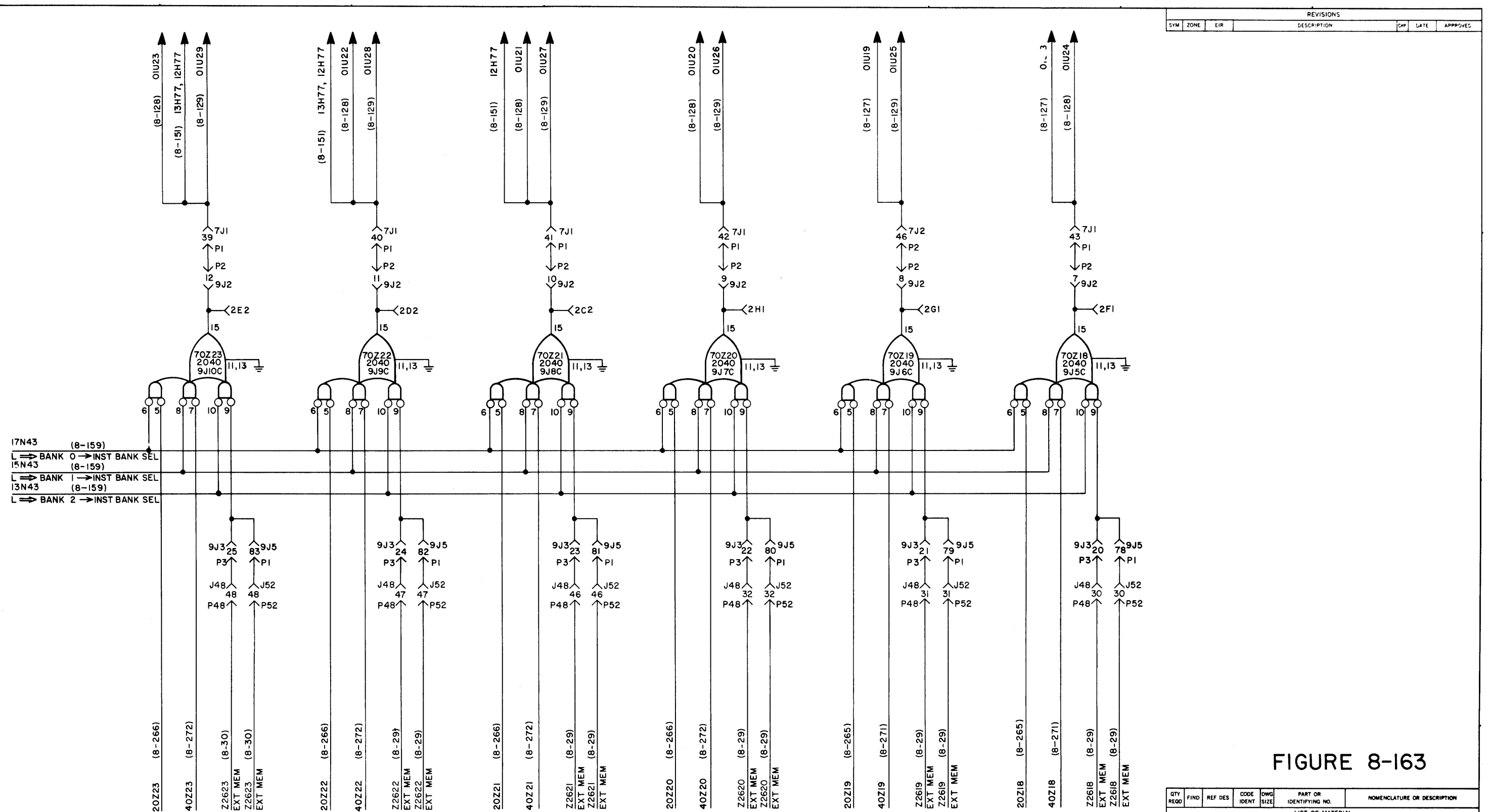
ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DEALT WITH IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED BY WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS ± HOLE DIAMETER TOLERANCE 0 THRU .250 + .003 -.002 .251 THRU .500 + .005 -.005 .501 & LARGER + .010 -.005 THREADS: EXT. CL. 2A, INT. CL. 2B	LAYOUT	DATE	CLASS
	DRAFTSMAN D. LODGE	12-8-66	A
MATERIAL	CHECKER B. POPOV	3-31-67	TITLE FUNCTIONAL SCHEMATIC, INSTRUCTION BANK SELECT BITS 12-17
FINISH	ENGINEER D. HAIR	3-31-67	CODE IDENT NO. 90536
	APPROVAL <i>[Signature]</i>		SIZE D
			DWG NO. 7075220
			SCALE
			WEIGHT
			SHEET OF

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	APPV



17N43 (8-159)
 L → BANK 0 → INST BANK SEL
 15N43 (8-159)
 L → BANK 1 → INST BANK SEL
 13N43 (8-159)
 L → BANK 2 → INST BANK SEL

20Z23 (8-266)
 40Z23 (8-272)
 Z2623 (8-30)
 EXT MEM
 Z2623 (8-30)
 EXT MEM
 20Z22 (8-266)
 40Z22 (8-272)
 Z2622 (8-29)
 EXT MEM
 Z2622 (8-29)
 EXT MEM
 20Z21 (8-266)
 40Z21 (8-272)
 Z2621 (8-29)
 EXT MEM
 Z2621 (8-29)
 EXT MEM
 20Z20 (8-266)
 40Z20 (8-272)
 Z2620 (8-29)
 EXT MEM
 Z2620 (8-29)
 EXT MEM
 20Z19 (8-265)
 40Z19 (8-271)
 Z2619 (8-29)
 EXT MEM
 Z2619 (8-29)
 EXT MEM
 20Z18 (8-265)
 40Z18 (8-271)
 Z2618 (8-29)
 EXT MEM
 Z2618 (8-29)
 EXT MEM

FIGURE 8-163

IDENT NO. 7075221-00

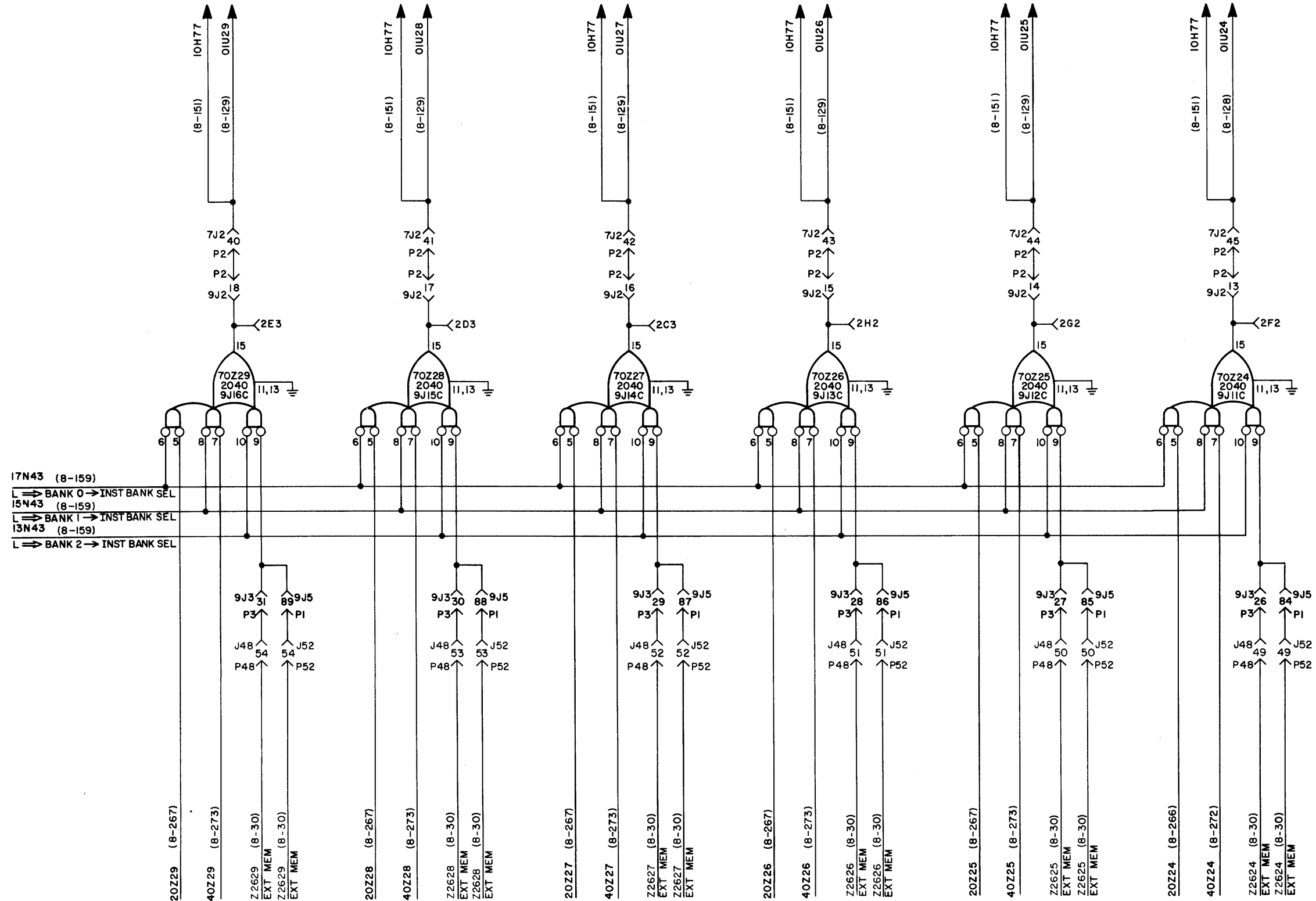
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 ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DEALT WITH IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL							
UNLESS OTHERWISE SPECIFIED				LAYOUT			
DIMENSION IN INCHES. TOLERANCE OR				DATE			
2 PLACE DECIMALS				CLASS			
3 PLACE DECIMALS				A			
ANGLES				DRAFTSMAN			
±				R. PHERNETTON			
HOLE DIAMETER TOLERANCE				CHECKER			
0 THRU .250				B. POPOV			
.251 THRU .500				ENGINEER			
.501 & LARGER				D. HAIR			
+ .003				APPROVAL			
+ .005				3-31-67			
- .002				3-31-67			
THREADS: EXT. CL. INT. CL. 2B				COMMODITY CODE			
MATERIAL				FINISH			
NEXT ASSY				EQUIPMENT			
APPLICATION				SCALE			
WEIGHT				SHEET 1 OF 1			

TITLE
**FUNCTIONAL SCHEMATIC,
 INSTRUCTION BANK SELECT
 BITS 18-23**

CODE IDENT NO. **90536** SIZE **D** DWG NO. **7075221**

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	DATE



17N43 (8-159)
 L → BANK 0 → INST BANK SEL
 15N43 (8-159)
 L → BANK 1 → INST BANK SEL
 13N43 (8-159)
 L → BANK 2 → INST BANK SEL

20Z29 (8-267) 40Z29 (8-273) Z2629 (8-30) EXT MEM Z2629 (8-30) EXT MEM
 20Z28 (8-267) 40Z28 (8-273) Z2628 (8-30) EXT MEM Z2628 (8-30) EXT MEM
 20Z27 (8-267) 40Z27 (8-273) Z2627 (8-30) EXT MEM Z2627 (8-30) EXT MEM
 20Z26 (8-267) 40Z26 (8-273) Z2626 (8-30) EXT MEM Z2626 (8-30) EXT MEM
 20Z25 (8-267) 40Z25 (8-273) Z2625 (8-30) EXT MEM Z2625 (8-30) EXT MEM
 20Z24 (8-266) 40Z24 (8-272) Z2624 (8-30) EXT MEM Z2624 (8-30) EXT MEM

FIGURE 8-164

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL							
UNLESS OTHERWISE SPECIFIED				LAYOUT			
DIMENSION IN INCHES. TOLERANCE OR				DATE			
2 PLACE DECIMALS 3 PLACE DECIMALS ANGLES				CLASS			
± ± ±				A			
HOLE DIAMETER TOLERANCE				DRAFTSMAN			
0 THRU .250 ±.003 .251 THRU .500 ±.005 .501 & LARGER ±.010				D. LODGE			
THREADS: EXT CL 2A, INT CL 2B				CHECKER			
MATERIAL				B. POPOV			
FINISH				ENGINEER			
NEXT ASSY EQUIPMENT				D. HAIR			
APPLICATION				APPROVED			
COMMODITY CODE				3-31-67			

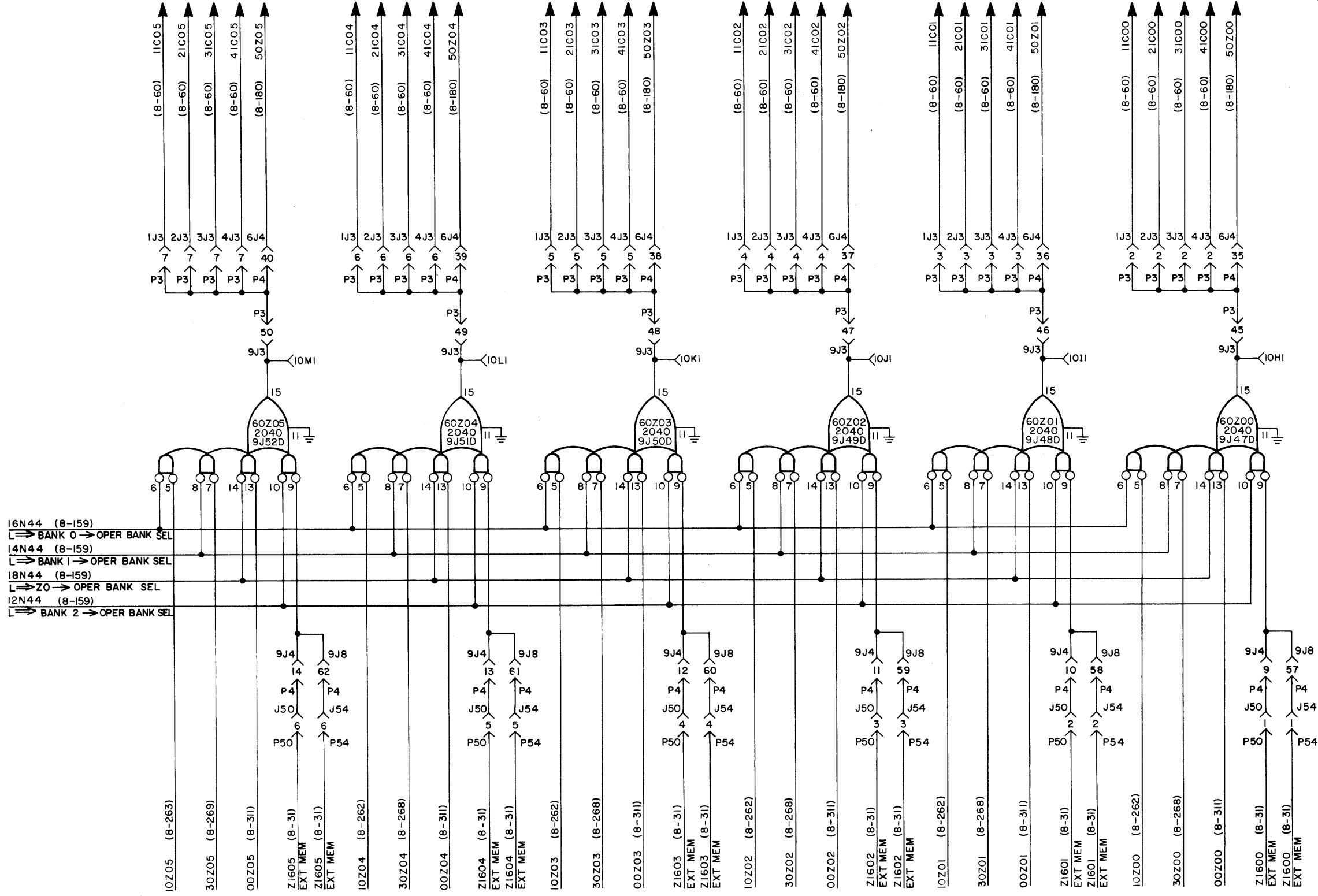
IDENT NO. 7075222-00

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TITLE
**FUNCTIONAL SCHEMATIC,
 INSTRUCTION BANK SELECT
 BITS 24-29**

CODE IDENT NO. 90536
 SIZE D
 DWG NO. 7075222

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	DATE



16N44 (8-159)
 L → BANK 0 → OPER BANK SEL
 14N44 (8-159)
 L → BANK 1 → OPER BANK SEL
 18N44 (8-159)
 L → Z0 → OPER BANK SEL
 12N44 (8-159)
 L → BANK 2 → OPER BANK SEL

10Z05 (8-263)
 30Z05 (8-269)
 00Z05 (8-311)
 Z1605 (8-31)
 EXT MEM
 Z1605 (8-31)
 EXT MEM
 10Z04 (8-262)
 30Z04 (8-268)
 00Z04 (8-311)
 Z1604 (8-31)
 EXT MEM
 Z1604 (8-31)
 EXT MEM
 10Z03 (8-262)
 30Z03 (8-268)
 00Z03 (8-311)
 Z1603 (8-31)
 EXT MEM
 Z1603 (8-31)
 EXT MEM
 10Z02 (8-262)
 30Z02 (8-268)
 00Z02 (8-311)
 Z1602 (8-31)
 EXT MEM
 Z1602 (8-31)
 EXT MEM
 10Z01 (8-262)
 30Z01 (8-268)
 00Z01 (8-311)
 Z1601 (8-31)
 EXT MEM
 Z1601 (8-31)
 EXT MEM
 10Z00 (8-262)
 30Z00 (8-268)
 00Z00 (8-311)
 Z1600 (8-31)
 EXT MEM
 Z1600 (8-31)
 EXT MEM

FIGURE 8-165

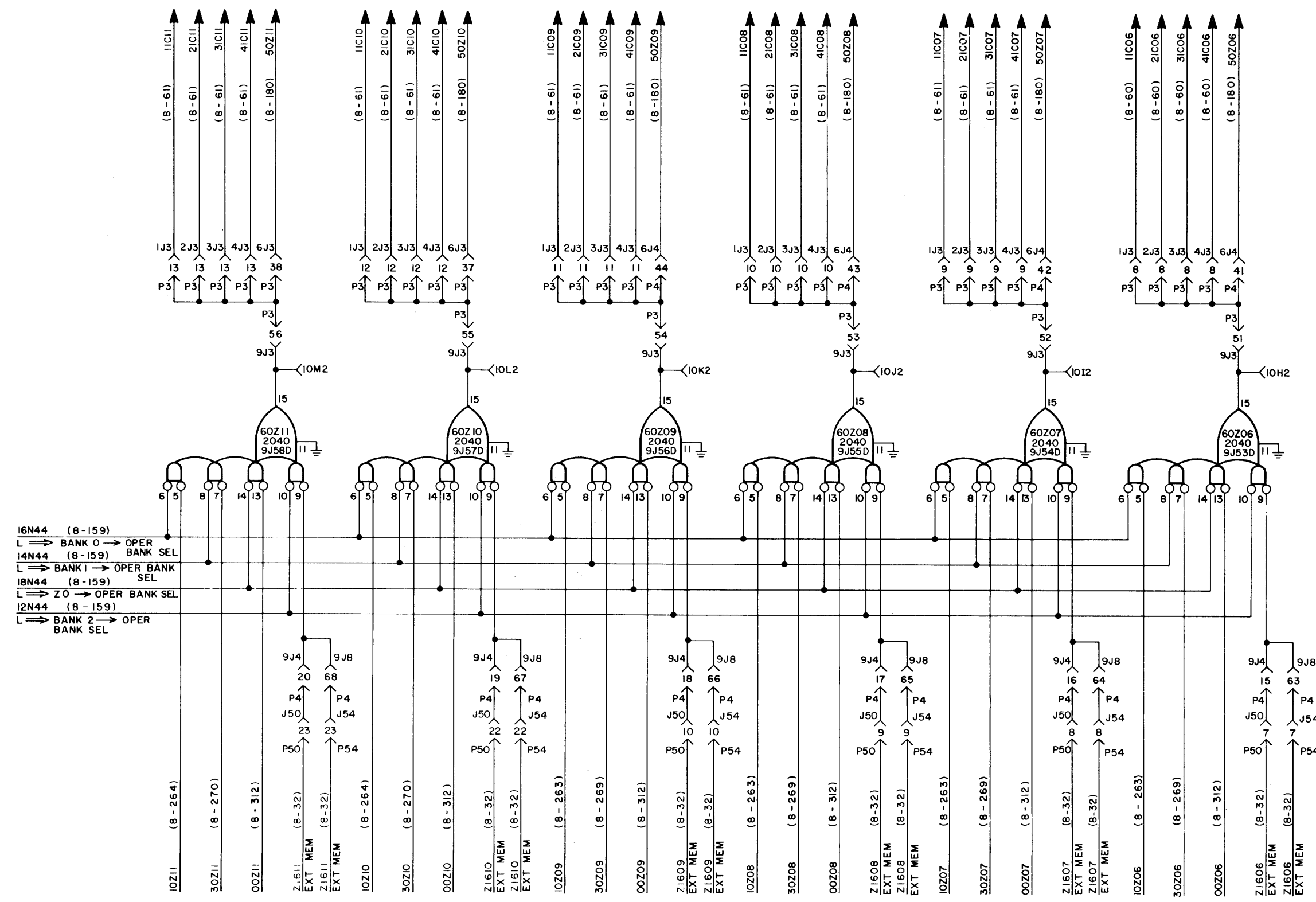
IDENT NO. 7075223-00

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UNLESS OTHERWISE SPECIFIED		LIST OF MATERIAL	
DIMENSION IN INCHES. TOLERANCE ON: 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ±		LAYOUT	
HOLE DIAMETER TOLERANCE: 0 THRU .250 +.003 .251 THRU .500 +.005 .501 & LARGER +.010		DRAFTSMAN R.C. PETERSON	
THREADS: EXT. CL. 2A, INT. CL. 2B		CHECKER B. POPOV	
MATERIAL		ENGINEER D. HAIR	
FINISH		APPROVAL <i>[Signature]</i>	
DATE	CLASS	TITLE	
12-7-66	A	FUNCTIONAL SCHEMATIC, OPERAND BANK SELECT BITS 00-05	
CODE IDENT NO.	SIZE	DWG NO.	
90536	D	7075223	
SCALE	WEIGHT	SHEET 1 OF 1	

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	APPROVED



16N44 (8-159)
 L → BANK 0 → OPER BANK SEL
 14N44 (8-159)
 L → BANK 1 → OPER BANK SEL
 18N44 (8-159)
 L → Z 0 → OPER BANK SEL
 12N44 (8-159)
 L → BANK 2 → OPER BANK SEL

FIGURE 8-166

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

UNLESS OTHERWISE SPECIFIED		DATE	CLASS
DIMENSION IN INCHES: TOLERANCE ON 2 PLACE DECIMALS 3 PLACE DECIMALS ANGLES			
HOLE DIAMETER TOLERANCE 0 THRU .250 ±.003 .251 THRU .500 ±.005 .501 & LARGER ±.010		12-7-66	A
THREADS: EXT. CL 2A, INT. CL 2B		3-31-67	
MATERIAL		3-31-67	
FINISH			

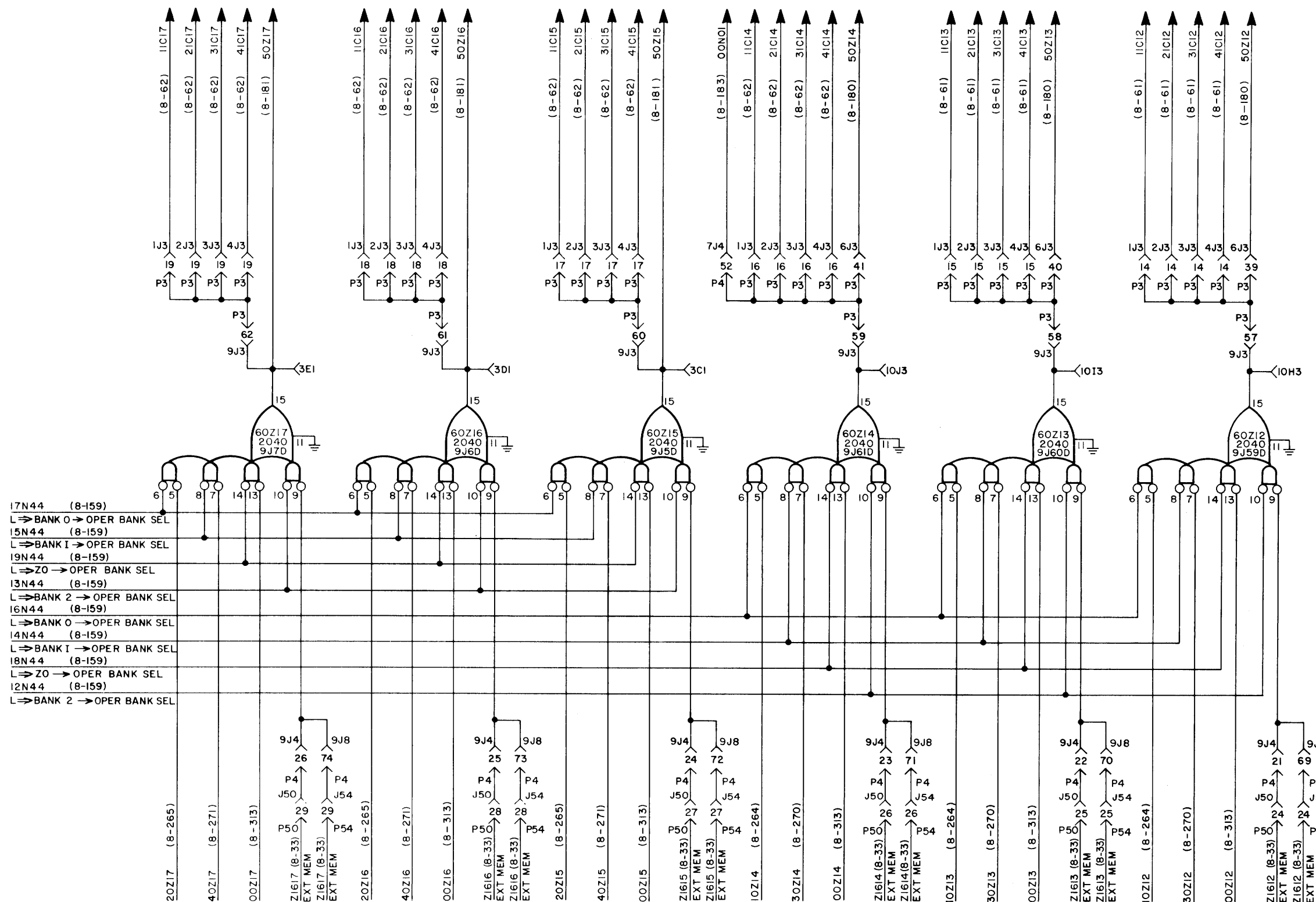
LAYOUT	R. C. PETERSON
CHECKER	B. POPOV
ENGINEER	D. HAIR
APPROVAL	<i>[Signature]</i>

TITLE	FUNCTIONAL SCHEMATIC, OPERAND BANK SELECT BITS 06-11		
CODE IDENT NO.	90536	SIZE	D
DWG NO.	7075224	SCALE	WEIGHT
SHEET 1 OF 1			

IDENT NO. 7075224-00

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REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	DATE



17N44 (8-159)
 L → BANK 0 → OPER BANK SEL
 15N44 (8-159)
 L → BANK I → OPER BANK SEL
 19N44 (8-159)
 L → Z0 → OPER BANK SEL
 13N44 (8-159)
 L → BANK 2 → OPER BANK SEL
 16N44 (8-159)
 L → BANK 0 → OPER BANK SEL
 14N44 (8-159)
 L → BANK I → OPER BANK SEL
 18N44 (8-159)
 L → Z0 → OPER BANK SEL
 12N44 (8-159)
 L → BANK 2 → OPER BANK SEL

FIGURE 8-167

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES TOLERANCE ON 2 PLACE DECIMALS	3 PLACE DECIMALS ANGLES
HOLE DIAMETER TOLERANCE	
0 THRU .250	.251 THRU .500
+ .003	+ .005
- .002	- .005
THREADS EXT. CL. 2A, INT. CL. 2B	

LAYOUT	DATE	CLASS	TITLE
DRAFTSMAN R.C. PETERSON	12-8-66	A	FUNCTIONAL SCHEMATIC, OPERAND BANK SELECT BITS 12-17
CHECKER B. POPOV	3-31-67		
ENGINEER D. HAIR	3-31-67		
APPROVED <i>[Signature]</i>	3-31-67		

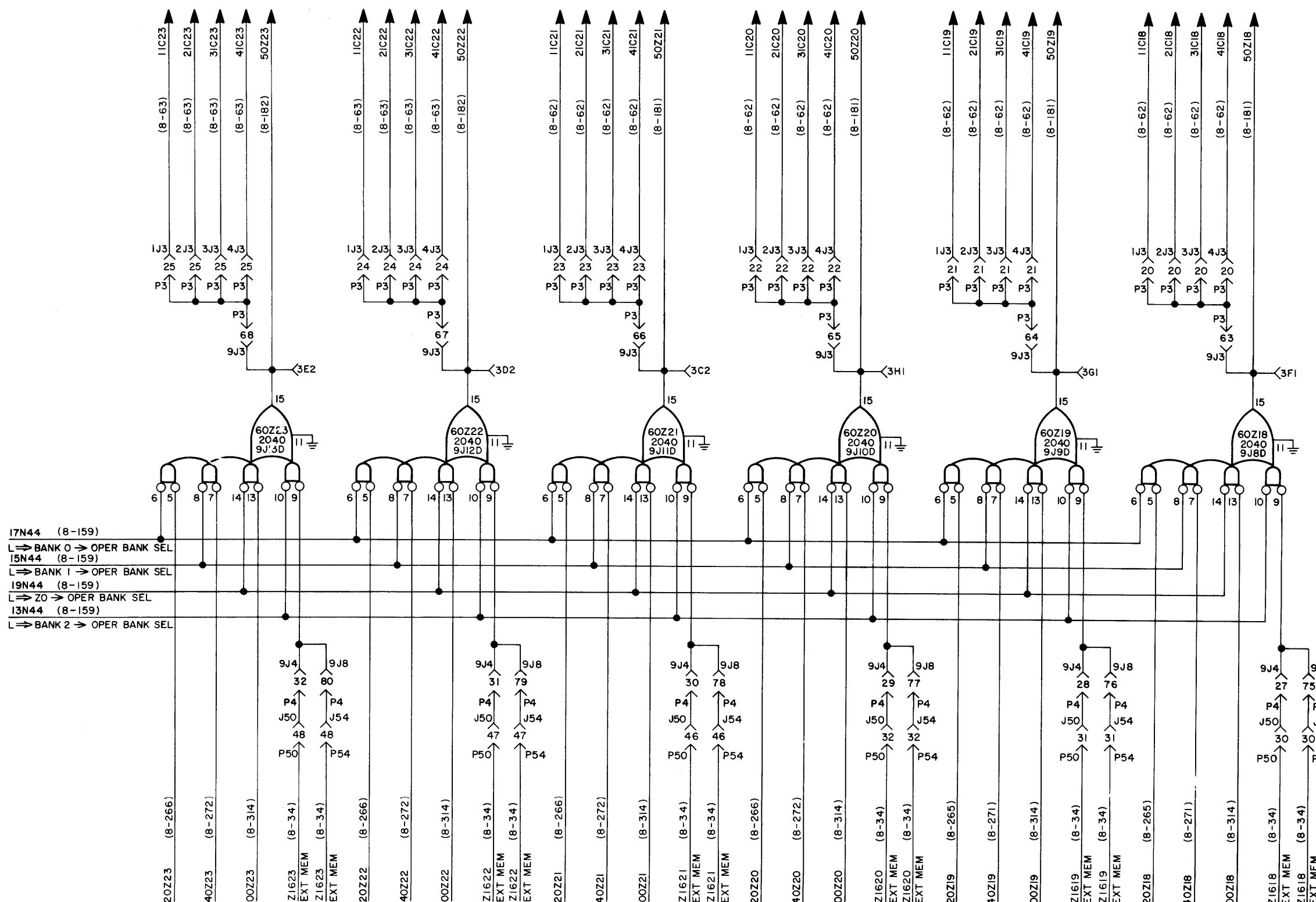
CODE IDENT NO.	SIZE	DWG NO.
90536	D	7075225

IDENT NO. 7075225-00

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APPLICATION	FINISH

SCALE	WEIGHT	SHEET	OF



17N44 (8-159)
 L → BANK 0 → OPER BANK SEL
 15N44 (8-159)
 L → BANK 1 → OPER BANK SEL
 19N44 (8-159)
 L → Z0 → OPER BANK SEL
 13N44 (8-159)
 L → BANK 2 → OPER BANK SEL

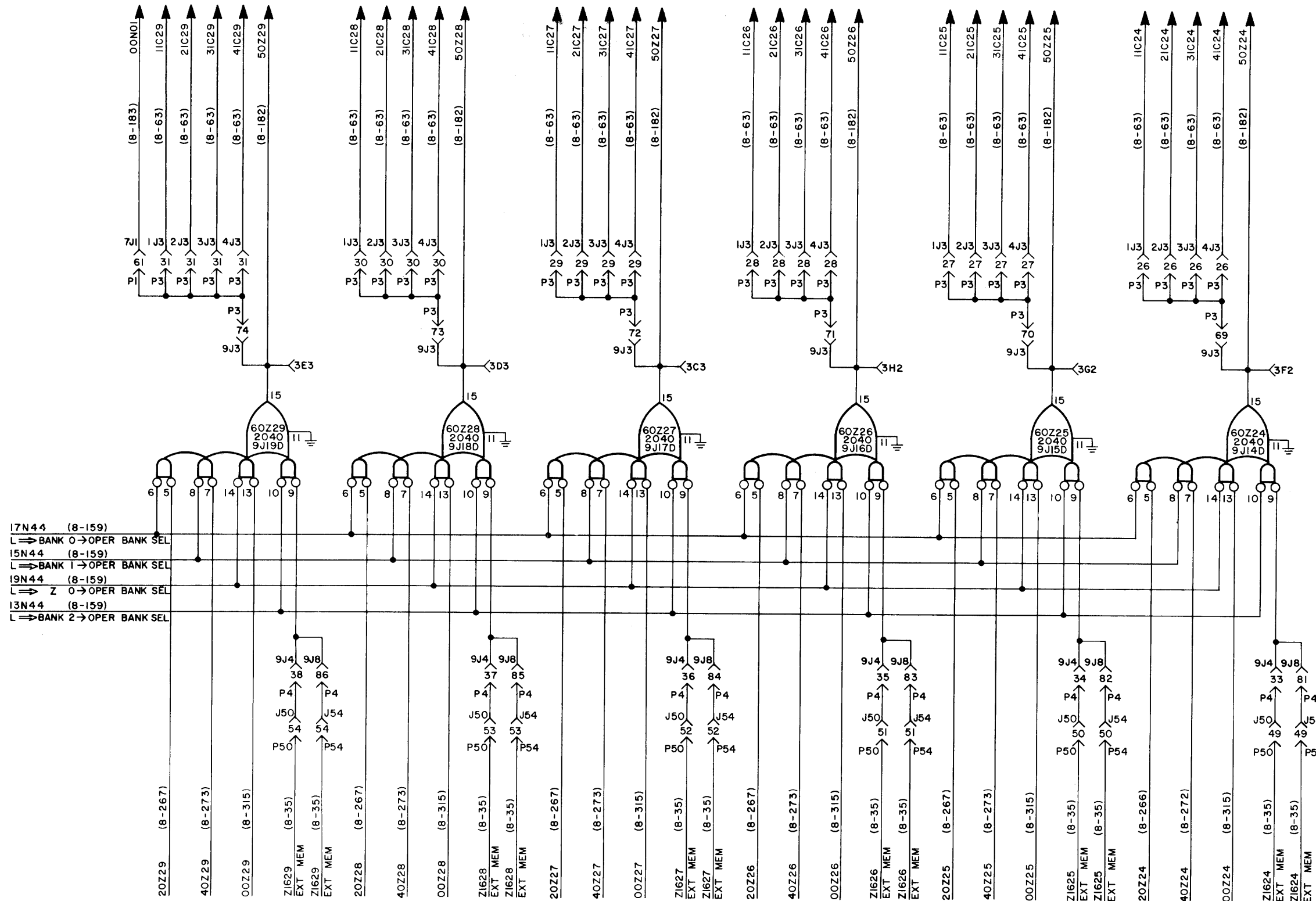
FIGURE 8-168

IDENT NO. 7075226-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNITED STATES GOVERNMENT. IT IS TO BE CONTAINED IN THE FILES OF THE DIVISION OF SPERRY RAND CORPORATION AND IS TO BE FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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UNLESS OTHERWISE SPECIFIED		LIST OF MATERIAL	
DIMENSION IN INCHES. TOLERANCE ON:		DATE	CLASS
3 PLACE DECIMALS	± .005	12-8-66	A
2 PLACE DECIMALS	± .010	DRAFTSMAN	R. C. PETERSON
ANGLES	± .010	CHECKER	B. POPOV
HOLE DIAMETER TOLERANCE		ENGINEER	D. HAIR
0 THRU .250	± .005	APPROVAL	<i>[Signature]</i>
.251 THRU .500	± .010		
.501 & LARGER	± .015		
THREADS: EXT. CL 2A, INT. CL 2B			
MATERIAL			
FINISH			
APPLICATION			
COMMODITY CODE			
TITLE		CODE IDENT NO.	SIZE
FUNCTIONAL SCHEMATIC, OPERAND BANK SELECT BITS 18-23		90536	D
DWG NO.		7075226	
SCALE		SHEET 1 OF 1	



17N44 (8-159)
 L → BANK 0 → OPER BANK SEL
 15N44 (8-159)
 L → BANK 1 → OPER BANK SEL
 19N44 (8-159)
 L → Z → OPER BANK SEL
 13N44 (8-159)
 L → BANK 2 → OPER BANK SEL

FIGURE 8-169

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL

UNLESS OTHERWISE SPECIFIED		LAYOUT	DATE	CLASS
DIMENSION IN INCHES TOLERANCE ON 2 PLACE DECIMALS 3 PLACE DECIMALS ANGLES		DRAFTSMAN		A
HOLE DIAMETER TOLERANCE		E. BICKETT	12-6-66	
0 THRU .250 +.003		CHECKER		
.251 THRU .500 +.005		B. POPOV	3-31-67	
.501 & LARGER +.010		ENGINEER		
THREADS EXCL CL. INT CL 2B		D. HAIR	3-31-67	
MATERIAL		APPROVED		
FINISH				
APPLICATION				
COMMODITY CODE				
IDENT NO. 7075227-00		CODE IDENT NO.		SIZE
		90536		D
		DWG NO.		7075227
		SCALE	WEIGHT	SHEET 1 OF 1

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REVISIONS			
SYM	ZONE	EIR	DESCRIPTION

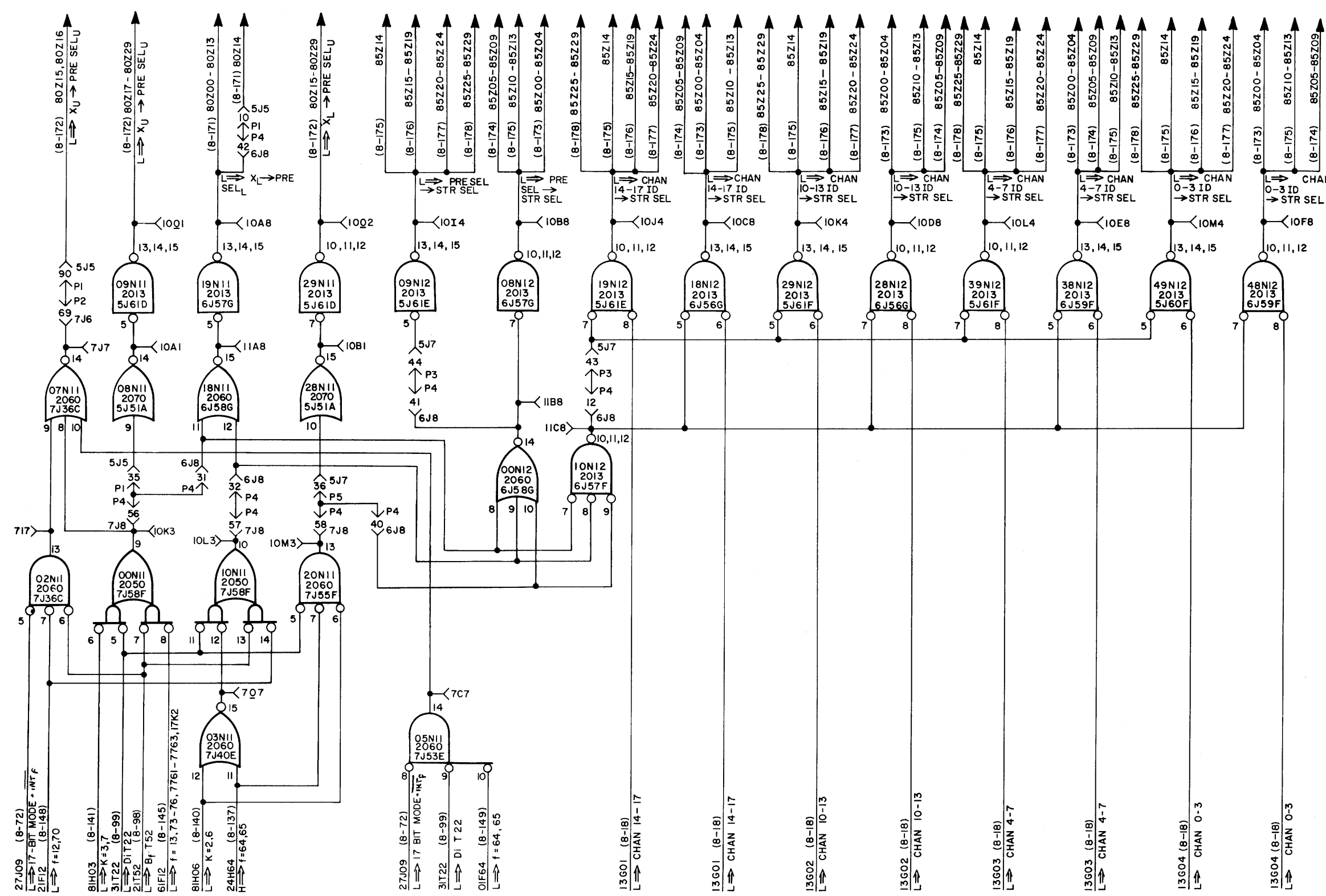


FIGURE 8-170

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL

IDENT NO. 7075228-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS	DRAFTSMAN	12-7-66	A
DIMENSION IN INCHES. TOLERANCE ON 3 PLACE DECIMALS	E. BICKETT		
ANGLES	CHECKER		
HOLE DIAMETER TOLERANCE	B. POPOV	3-31-67	
0 THRU .250 +.003	ENGINEER		
.251 THRU .500 +.005	D. HAIR	3-31-67	
.501 & LARGER +.010	APPROVAL		
THREADS: EXC. CL. 2A, INT. CL. 2B			
MATERIAL			
FINISH			
APPLICATION			
EQUIPMENT			
COMMODITY CODE			

UNIVAC	CLASS	DATE	TITLE
DIVISION OF SPERRY RAND CORPORATION	A	12-7-66	FUNCTIONAL SCHEMATIC, STORE SELECT CONTROL
CODE IDENT NO.	SIZE	DWG NO.	
90536	D	7075228	
SCALE	WEIGHT	SHEET	OF 1

↑ ↓

REVISIONS			
REV	DATE	DESCRIPTION	BY
A	7/4/64	SEE EIR	BP
	4/22/66		BP

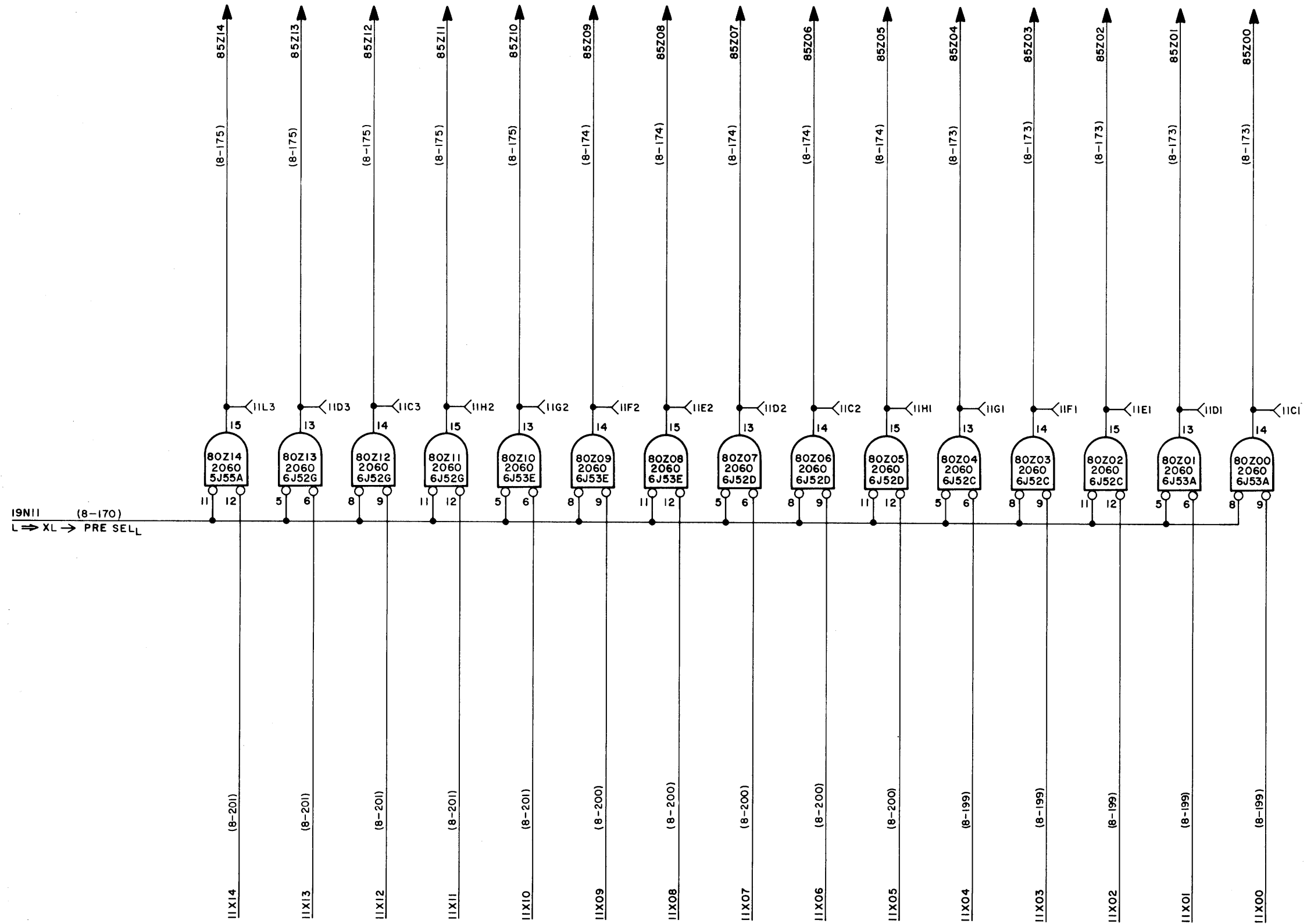


FIGURE 8-171

QTY REQD	UNIT	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
			CLASS	UNIVAC		
			DRAFTSMAN	V. STEEBER		
			CHECKER	B. POPOV		
			ENGINEER	G. KREGNESS		
			DATE	4-22-65		
			TITLE	FUNCTIONAL SCHEMATIC, PRE SELECT BITS 00-14		
			CODE IDENT NO.	SIZE	DWG NO.	
			90536	D	7032794	
			SCALE	WEIGHT	SHEET OF	

IDENT NO. 7032794-00

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DATE	4-22-65
DRAWN BY	V. STEEBER
CHECKED BY	B. POPOV
APPROVED BY	G. KREGNESS
DATE	4-15-65

CLASS	A
TITLE	FUNCTIONAL SCHEMATIC, PRE SELECT BITS 00-14
CODE IDENT NO.	90536
SIZE	D
DWG NO.	7032794
SCALE	
WEIGHT	
SHEET	OF

REVISIONS				
NO.	DATE	DESCRIPTION	BY	APPROVED

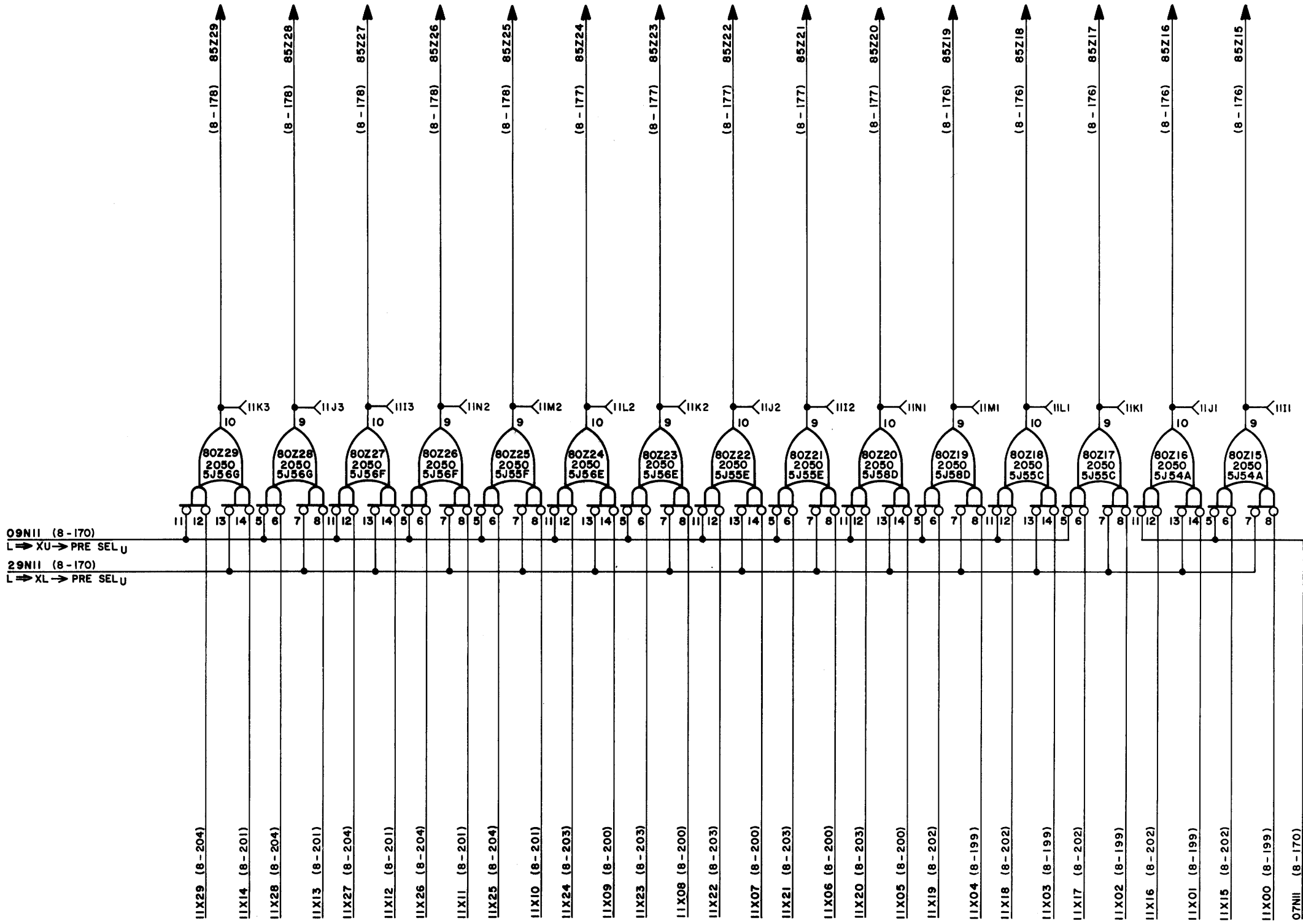


FIGURE 8-172

QTY	FIND	REF DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

IDENT NO. 7032795-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION AND IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE. UNCLASSIFIED INFORMATION IS IDENTIFIED BY THE REMOVAL OF CONFIDENTIALITY MARKINGS.

ON THE UNDERSTANDING THAT THE INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE.

UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSIONS IN INCHES TOLERANCES UNLESS OTHERWISE SPECIFIED	DRAFTSMAN	4-22-65	A
FRACTIONS SHALL BE IN 16ths	V. STEEBER		
DECIMALS SHALL BE TO 0.0005	CHECKER		
ANGLES SHALL BE TO 10 MINUTES	B. POPOV		
SPACES SHALL BE TO 0.005	ENGINEER		
SPACES SHALL BE TO 0.005	G. KREGNESS		
SPACES SHALL BE TO 0.005	APPROVAL		
SPACES SHALL BE TO 0.005			

LIST OF MATERIAL		UNIVAC	
DIVISION OF SPERRY RAND CORPORATION		TITLE	
FUNCTIONAL SCHEMATIC		PRE SELECT BITS 15-29	
CODE IDENT NO.	SIZE	DWG NO.	
90536	D	7032795	
SCALE	WEIGHT	SHEET	OF

REVISIONS			
SYM	ZONE	EIR	APPROVED

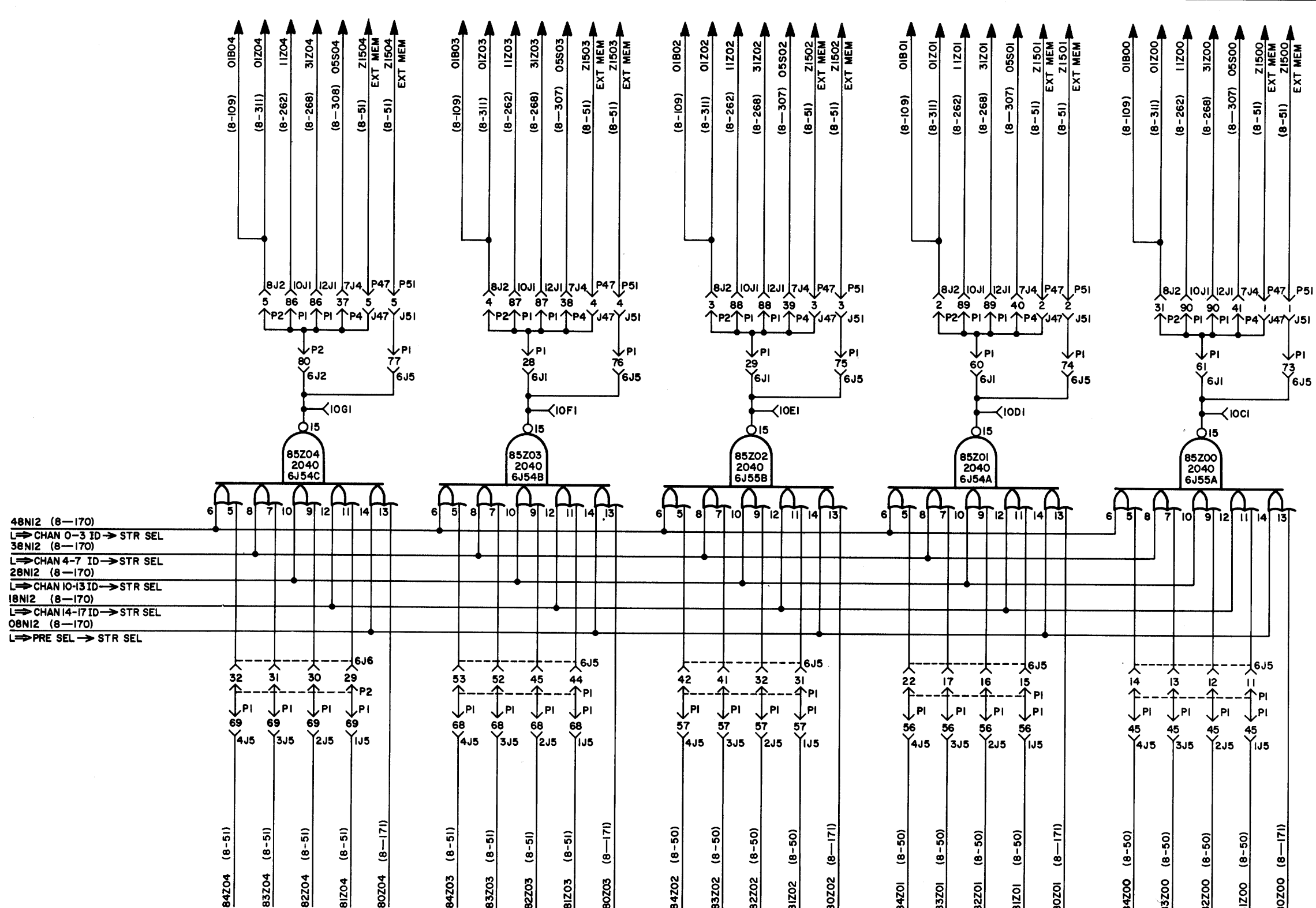


FIGURE 8-173

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL			

DATE	CLASS	TITLE
12-9-66	A	FUNCTIONAL SCHEMATIC, STORE SELECT BITS 00-04

DATE	CLASS	TITLE
3-31-67	D	90536 D 7075229

IDENT NO. 7075229-00

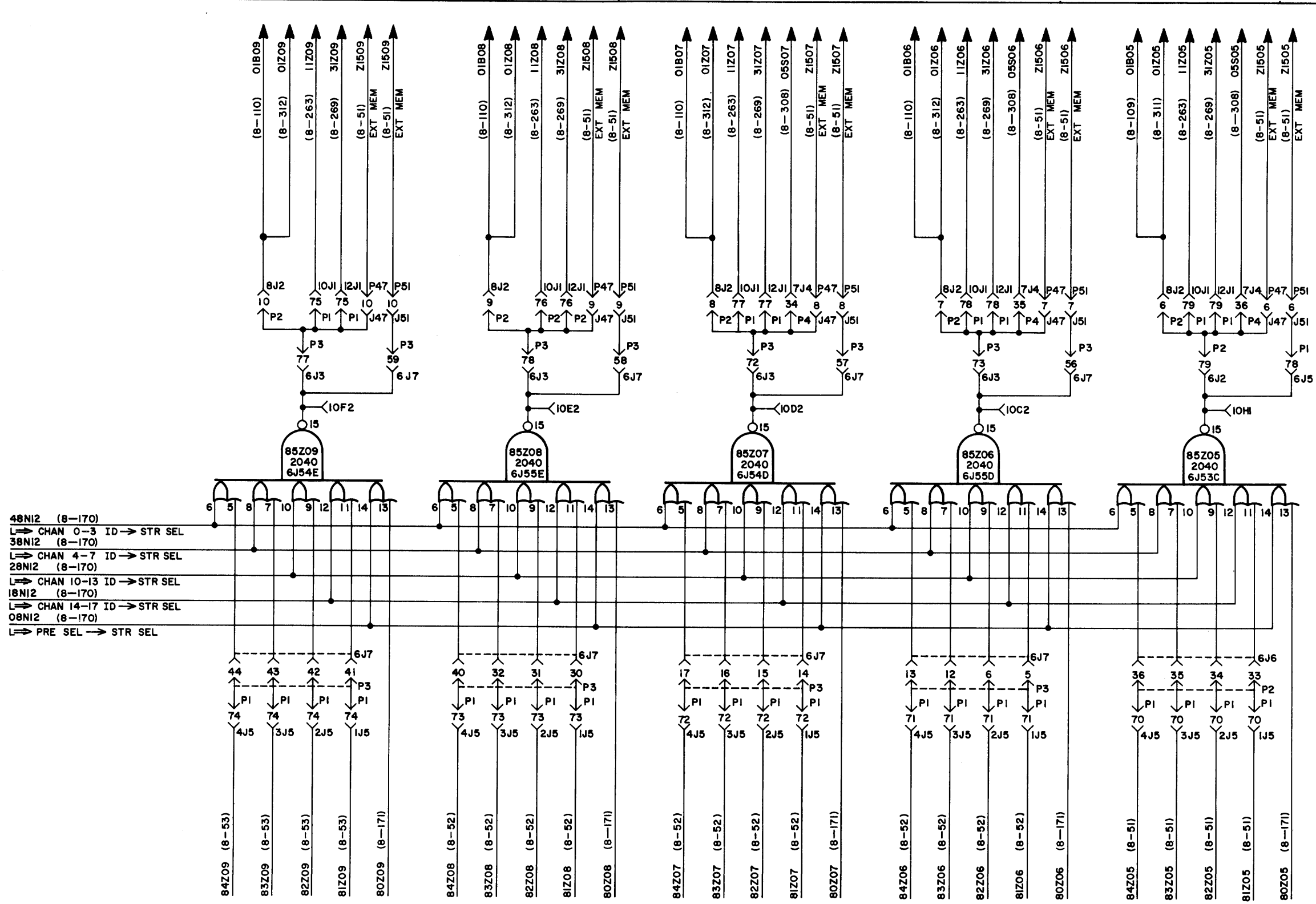
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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS	± .005
3 PLACE DECIMALS	± .005
ANGLES	± .010
HOLE DIAMETER TOLERANCE	± .005
0 THRU .250	± .005
.251 THRU .500	± .010
.501 & LARGER	± .015
THREADS: EXT. CL. 2A, INT. CL. 2B	
MATERIAL	
FINISH	
APPLICATION	
EQUIPMENT	
COMMODITY CODE	

DATE	CLASS	TITLE
12-9-66	A	FUNCTIONAL SCHEMATIC, STORE SELECT BITS 00-04
3-31-67	D	90536 D 7075229

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVED



48NI2 (8-170)
 L → CHAN 0-3 ID → STR SEL
 38NI2 (8-170)
 L → CHAN 4-7 ID → STR SEL
 28NI2 (8-170)
 L → CHAN 10-13 ID → STR SEL
 18NI2 (8-170)
 L → CHAN 14-17 ID → STR SEL
 08NI2 (8-170)
 L → PRE SEL → STR SEL

FIGURE 8-174

QTY	FIND	REF DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD			IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL						

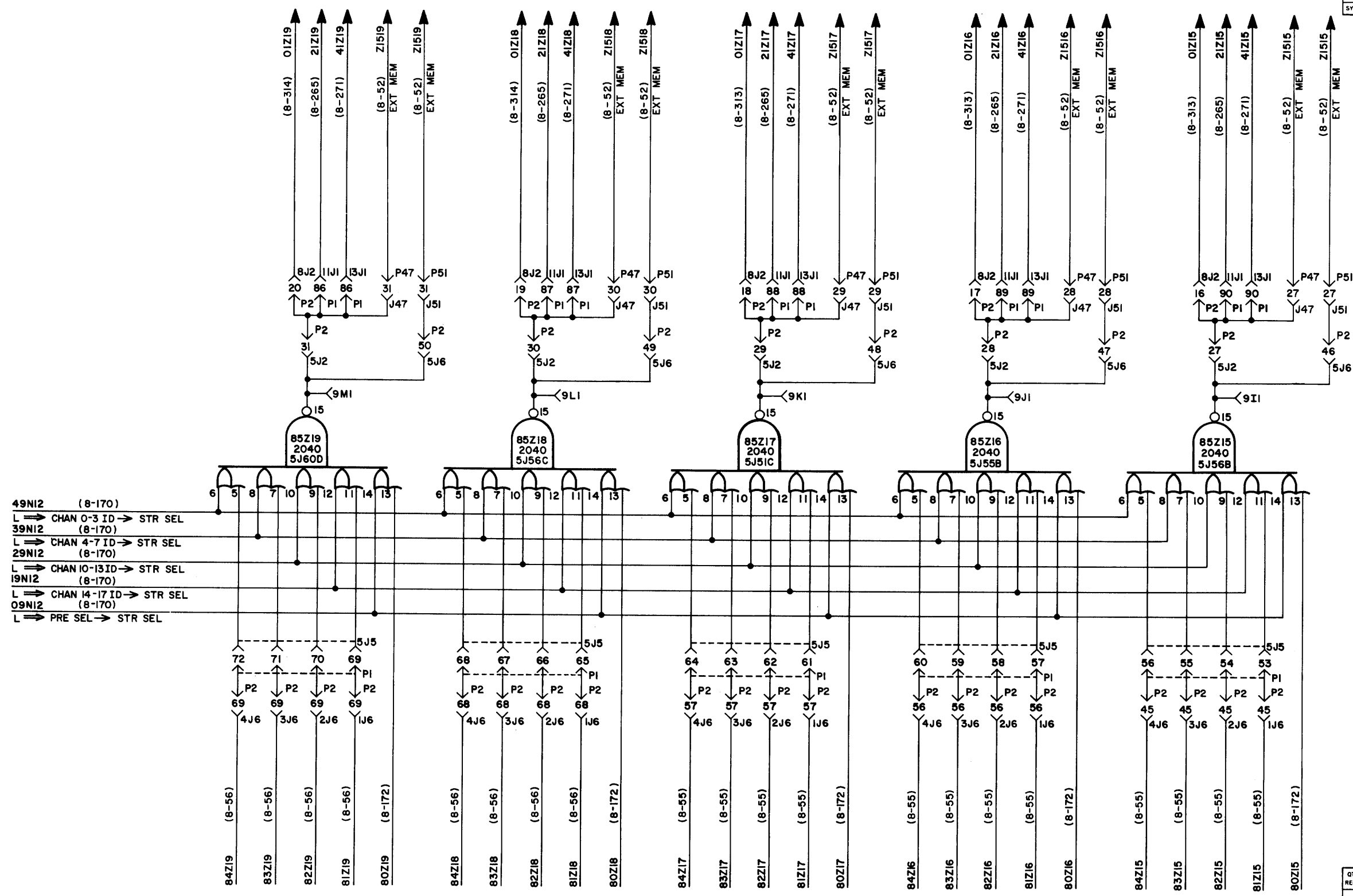
IDENT NO. 7075230-00

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UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES TOLERANCE ON 2 PLACE DECIMALS	DRAFTSMAN	12-8-66	A
ANGLES	G. ERLANDSON		
HOLE DIAMETER TOLERANCE	CHECKER	3-31-67	
0 THRU .250 + .003	B. POPOV		
.251 THRU .500 + .005	ENGINEER	3-31-67	
.501 & LARGER + .010	D. FREE		
THREADS: EXT. UNCL. INT. CL. 2B	APPROVAL	3-31-67	
MATERIAL			
FINISH			
APPLICATION			
EQUIPMENT			
COMMODITY CODE			

UNIVAC		DIVISION OF SPERRY RAND CORPORATION	
TITLE			
FUNCTIONAL SCHEMATIC, STORE SELECT		BITS 05 - 09	
CODE IDENT NO.	SIZE	DWG NO.	
90536	D	7075230	
SCALE	WEIGHT	SHEET	OF

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED



- 49N12 (8-170)
- L → CHAN 0-3 ID → STR SEL
- 39N12 (8-170)
- L → CHAN 4-7 ID → STR SEL
- 29N12 (8-170)
- L → CHAN 10-13 ID → STR SEL
- 19N12 (8-170)
- L → CHAN 14-17 ID → STR SEL
- 09N12 (8-170)
- L → PRE SEL → STR SEL

FIGURE 8-176

QTY	FIND	REF DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD			IDENT	SIZE	IDENTIFYING NO.	

LIST OF MATERIAL		CLASS	DATE	TITLE	
		A	12-6-66	FUNCTIONAL SCHEMATIC, STORE SELECT BITS 15-19	
		DRAFTSMAN R. PHERNETTON		CHECKER B. POPOV	
		ENGINEER D. FREE		APPROVAL <i>[Signature]</i>	
		COMMODITY CODE		FINISH	
		NEXT ASSY		EQUIPMENT	
		APPLICATION			
		MATERIAL			
		DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS		DIMENSION IN INCHES. TOLERANCE ON 3 PLACE DECIMALS	
		HOLE DIAMETER TOLERANCE		ANGLES	
		0 THRU .250 +.003 -.002		.251 THRU .500 +.005 -.003	
		.501 & LARGER +.010 -.003			
		THREADS: EXT. CL. INT. CL. 2B			
		UNLESS OTHERWISE SPECIFIED			
		LAYOUT		DATE	
		CLASS		DATE	
		CODE		DATE	
		DWG		DATE	
		IDENT		DATE	
		SIZE		DATE	
		PART OR		DATE	
		IDENTIFYING NO.		DATE	
		NOMENCLATURE OR DESCRIPTION		DATE	
		LIST OF MATERIAL		DATE	
		CLASS		DATE	
		A		DATE	
		TITLE		DATE	
		FUNCTIONAL SCHEMATIC, STORE SELECT BITS 15-19		DATE	
		CODE IDENT NO.		DATE	
		90536		DATE	
		SIZE		DATE	
		D		DATE	
		DWG NO.		DATE	
		7075232		DATE	
		SCALE		DATE	
		WEIGHT		DATE	
		SHEET		DATE	
		OF		DATE	

IDENT NO. 7075232-00

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REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVED

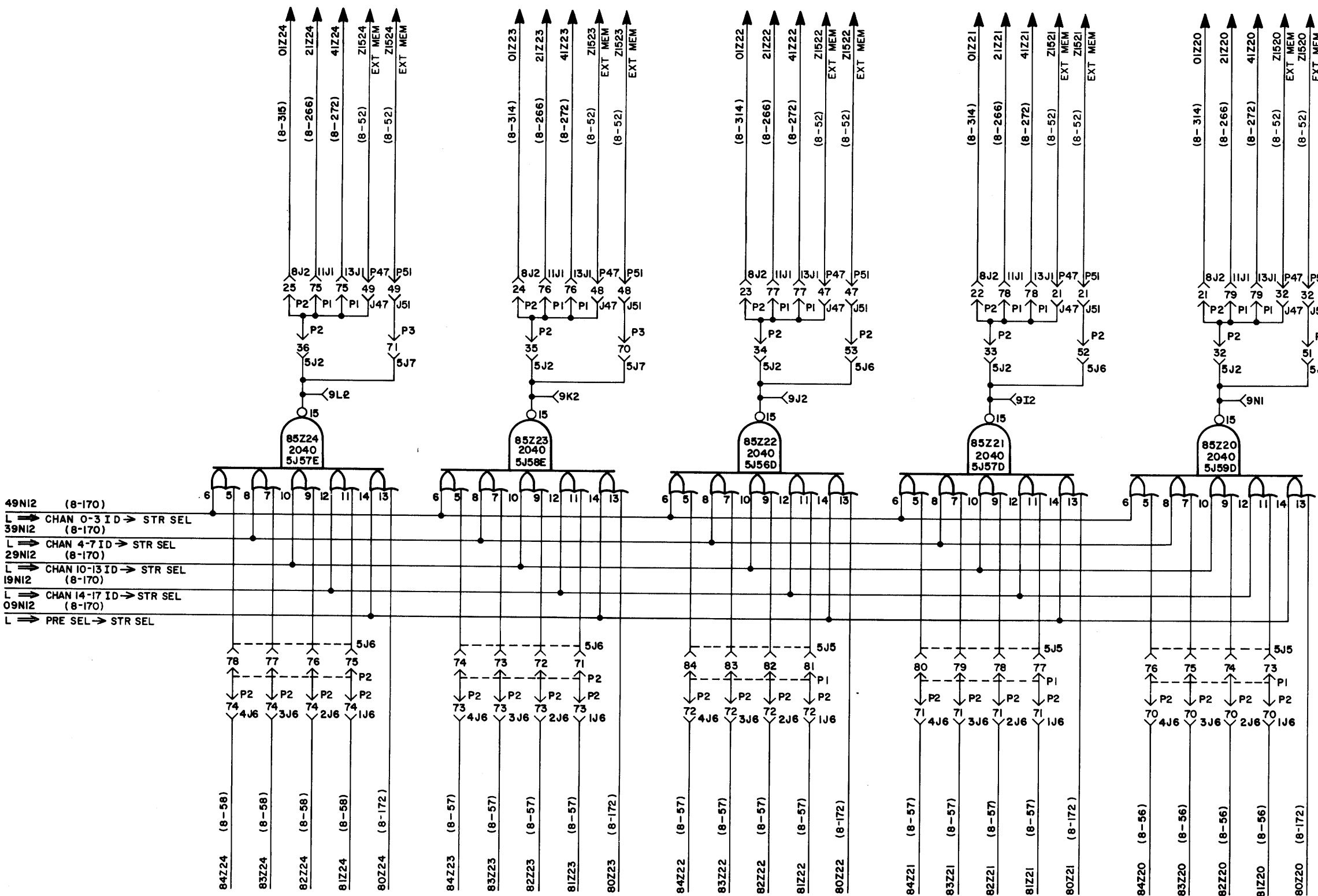


FIGURE 8-177

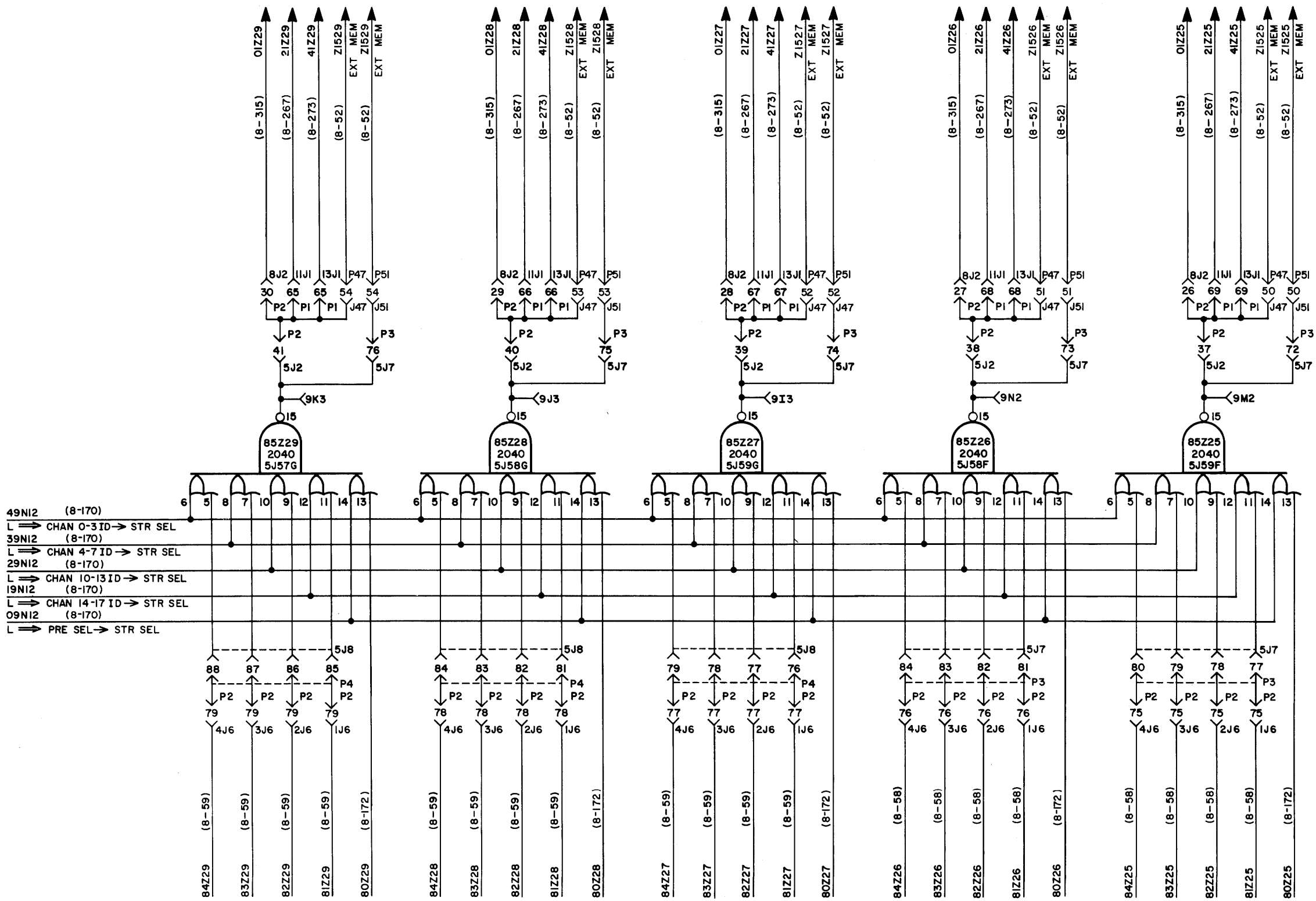
QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNLESS OTHERWISE SPECIFIED			LAYOUT			
DIMENSION IN INCHES, TOLERANCE OR 2 PLACE DECIMALS			DATE			
±			CLASS A			
HOLE DIAMETER TOLERANCE			DRAFTSMAN G. ERLANDSON			
0 THRU .250 ± .003			DATE 12-7-66			
.251 THRU .500 ± .005			CHECKER B. POPOV			
.501 & LARGER ± .010			ENGINEER D. FREE			
THREADS: EXT. CL. 2A, INT. CL. 2B			APPROVAL: <i>[Signature]</i>			
MATERIAL			CODE IDENT NO. 90536			
FINISH			SIZE D			
COMMODITY CODE			DWG NO. 7075233			
			SCALE			
			WEIGHT			
			SHEET OF			

IDENT NO.

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REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	DATE



49NI2 (8-170)
L → CHAN 0-3 ID → STR SEL
39NI2 (8-170)
L → CHAN 4-7 ID → STR SEL
29NI2 (8-170)
L → CHAN 10-13 ID → STR SEL
19NI2 (8-170)
L → CHAN 14-17 ID → STR SEL
09NI2 (8-170)
L → PRE SEL → STR SEL

FIGURE 8-178

IDENT NO. 7075234-00

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UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES: TOLERANCE ON 2 PLACE DECIMALS 3 PLACE DECIMALS ANGLES	DRAFTSMAN	12-6-66	A
HOLE DIAMETER TOLERANCE: 0 THRU .250 ± .003 .251 THRU .500 ± .005 .501 & LARGER ± .010	CHECKER	3-31-67	
THREADS: EXT CL 2A, INT CL 2B	ENGINEER	5-31-67	
MATERIAL	APPROVAL	3-31-67	
FINISH			

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL

UNIVAC DIVISION OF SPERRY RAND CORPORATION		
TITLE: FUNCTIONAL SCHEMATIC, STORE SELECT BITS 25 - 29		
CODE IDENT NO.	SIZE	DWG NO.
90536	D	7075234
SCALE	WEIGHT	SHEET OF

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		71694	SEE EIR		10-28-65	<i>[Signature]</i>
B		77402	SEE EIR		4-21-66	<i>[Signature]</i>

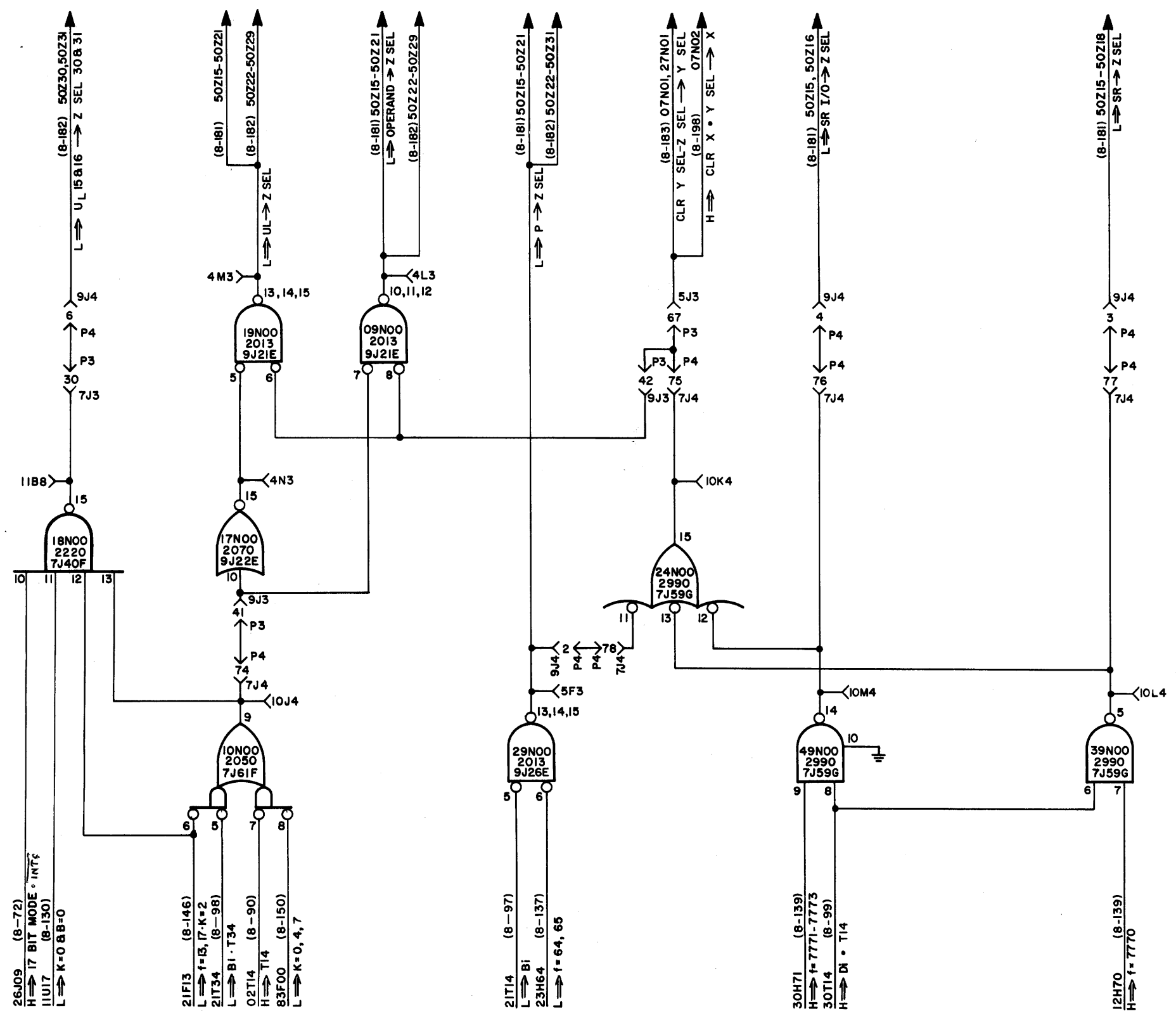


FIGURE 8-179

IDENT NO. 7032718-00

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QTY	REQD	FINO	REF DES	CODE IDENT	UNGS	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL							
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCE ON 2 PLACE DECIMALS .005 3 PLACE DECIMALS .001 ANGLES .005 HOLE DIAMETER TOLERANCE 1 THRU .250 .002 THRU .500 .003 .501 & LARGER .005 THREADS PER INCH INT CL 2R MATERIAL FINISH				LAYOUT		DATE	CLASS
				DRAFTSMAN V. STEEBER		4-21-66	A
NEXT PART EQUIPMENT APPLICATION COMMODITY CODE				CHECKER B. POPOV		TITLE FUNCTIONAL SCHEMATIC, Z SELECT CONTROL	
				ENGINEER G. KREGNESS		CODE IDENT NO. 90536	
				APPROVAL <i>[Signature]</i>		SIZE D	DWG NO. 7032718
SCALE				WEIGHT		SHEET OF	

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED

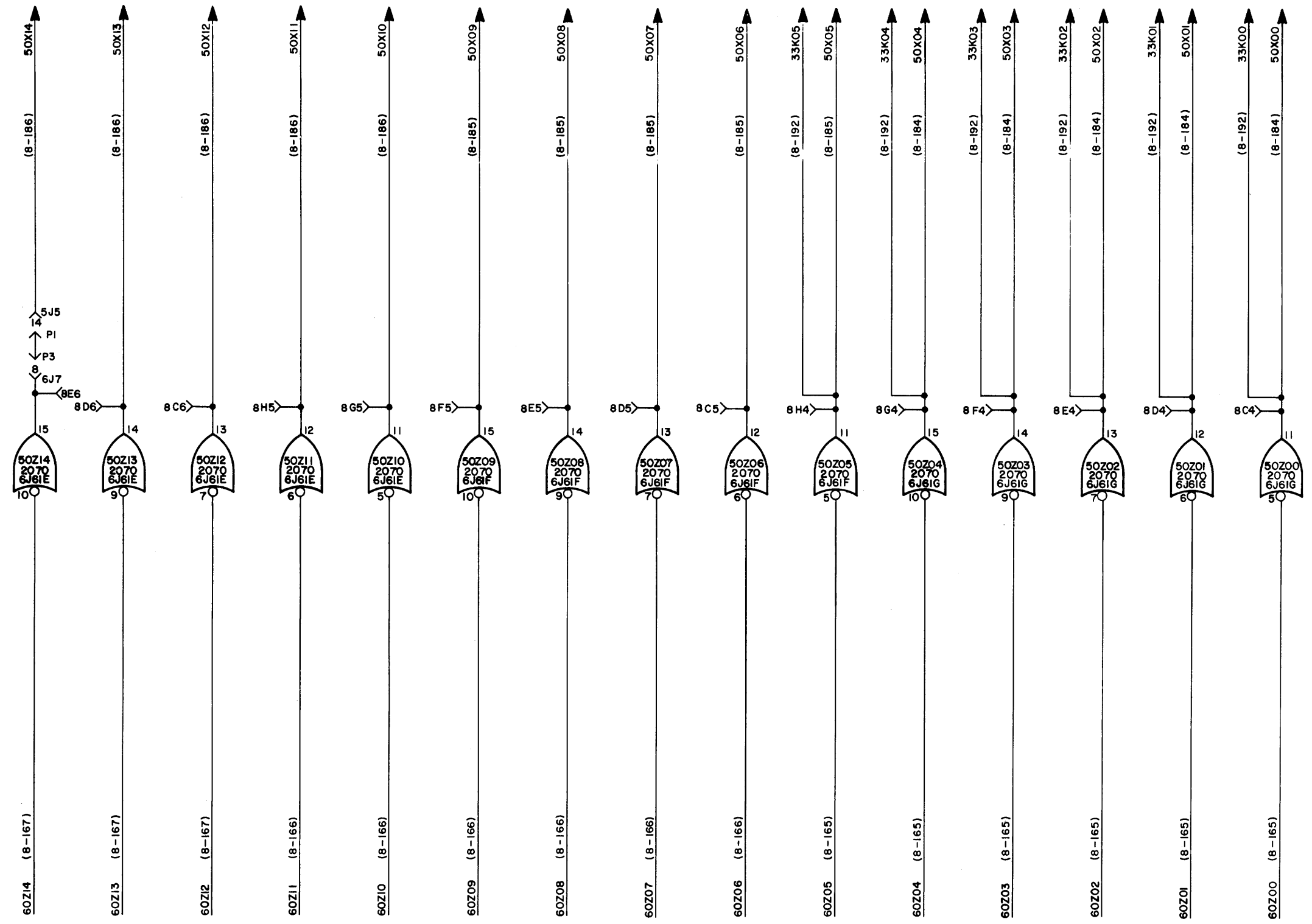


FIGURE 8-180

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

IDENT NO. 7032817-00

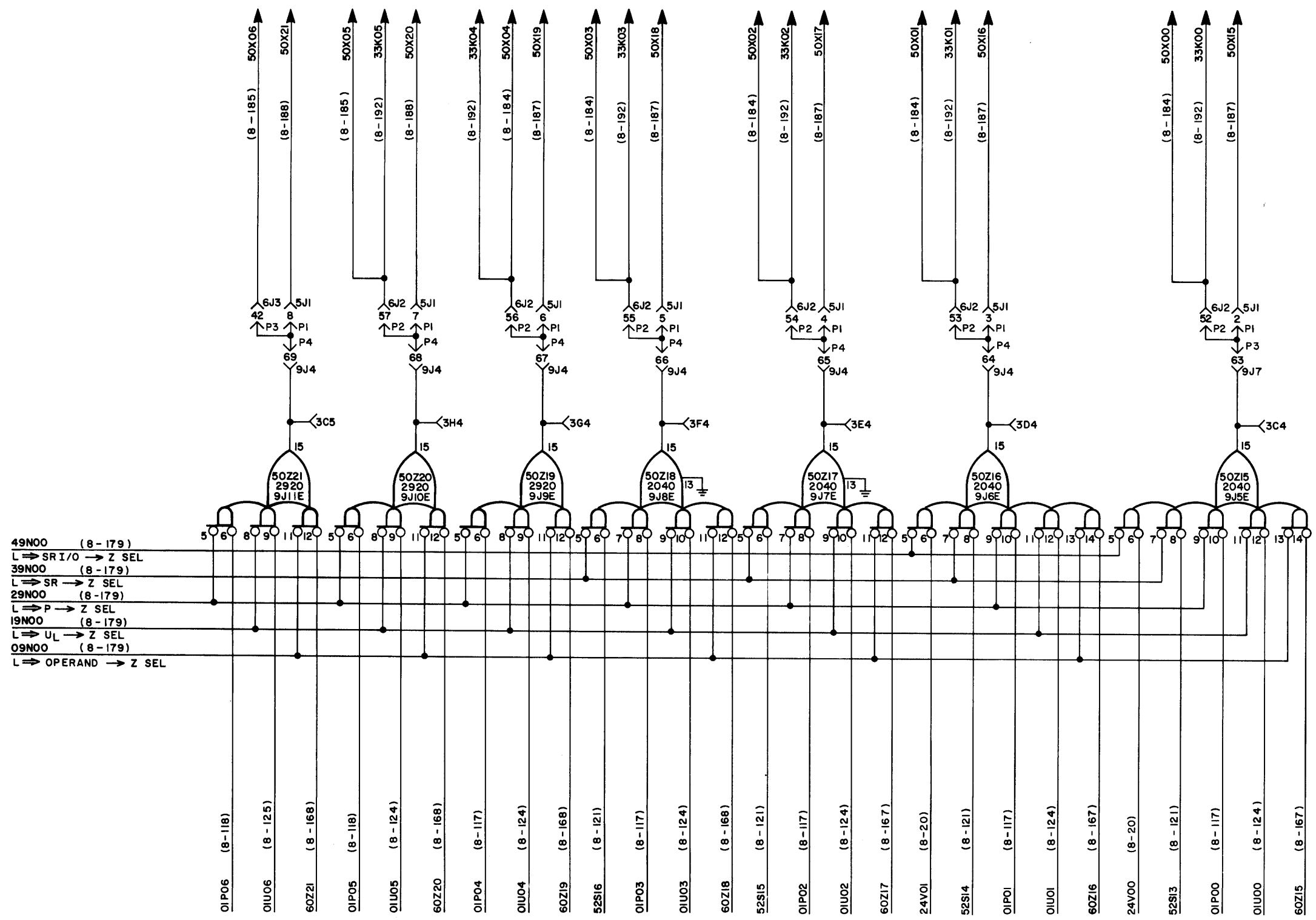
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UNLESS OTHERWISE SPECIFIED		LAYOUT	DATE	CLASS	UNIVAC <small>DIVISION OF SPERRY RAND CORPORATION</small>
DIMENSION IN INCHES. TOLERANCE OR 2 PLACE DECIMALS OR 3 PLACE DECIMALS ANGLES		DRAFTSMAN	5-19-65	A	
HOLE DIAMETER TOLERANCE		CHECKER	TITLE		FUNCTIONAL SCHEMATIC, Z SELECT BITS 00-14
0 THRU .330 +.003 .331 THRU .500 +.005 .501 & LARGER +.010		ENGINEER	G. KREGNESS		
THREADS: EXT. CL. 2A, INT. CL. 2B		APPROVAL	CODE IDENT NO.		90536
MATERIAL		FINISH		SIZE	DWG NO.
NEXT ASSY	EQUIPMENT	SCALE		WEIGHT	SHEET OF
APPLICATION	COMMODITY CODE				

1 →

REVISIONS				
SYN	ZONE	EIR	DESCRIPTION	APPROVED



49N00 (8-179)
 L ⇒ SR I/O → Z SEL
 39N00 (8-179)
 L ⇒ SR → Z SEL
 29N00 (8-179)
 L ⇒ P → Z SEL
 19N00 (8-179)
 L ⇒ UL → Z SEL
 09N00 (8-179)
 L ⇒ OPERAND → Z SEL

- OIP06 (8-118)
- OIU06 (8-125)
- 60Z21 (8-168)
- OIP05 (8-118)
- OIU05 (8-124)
- 60Z20 (8-168)
- OIP04 (8-117)
- OIU04 (8-124)
- 60Z19 (8-168)
- 52S16 (8-121)
- OIP03 (8-117)
- OIU03 (8-124)
- 60Z18 (8-168)
- 52S15 (8-121)
- OIP02 (8-117)
- OIU02 (8-124)
- 60Z17 (8-167)
- 24V01 (8-20)
- 52S14 (8-121)
- OIP01 (8-117)
- OIU01 (8-124)
- 60Z16 (8-167)
- 24V00 (8-20)
- 52S13 (8-121)
- OIP00 (8-117)
- OIU00 (8-124)
- 60Z15 (8-167)

FIGURE 8-181

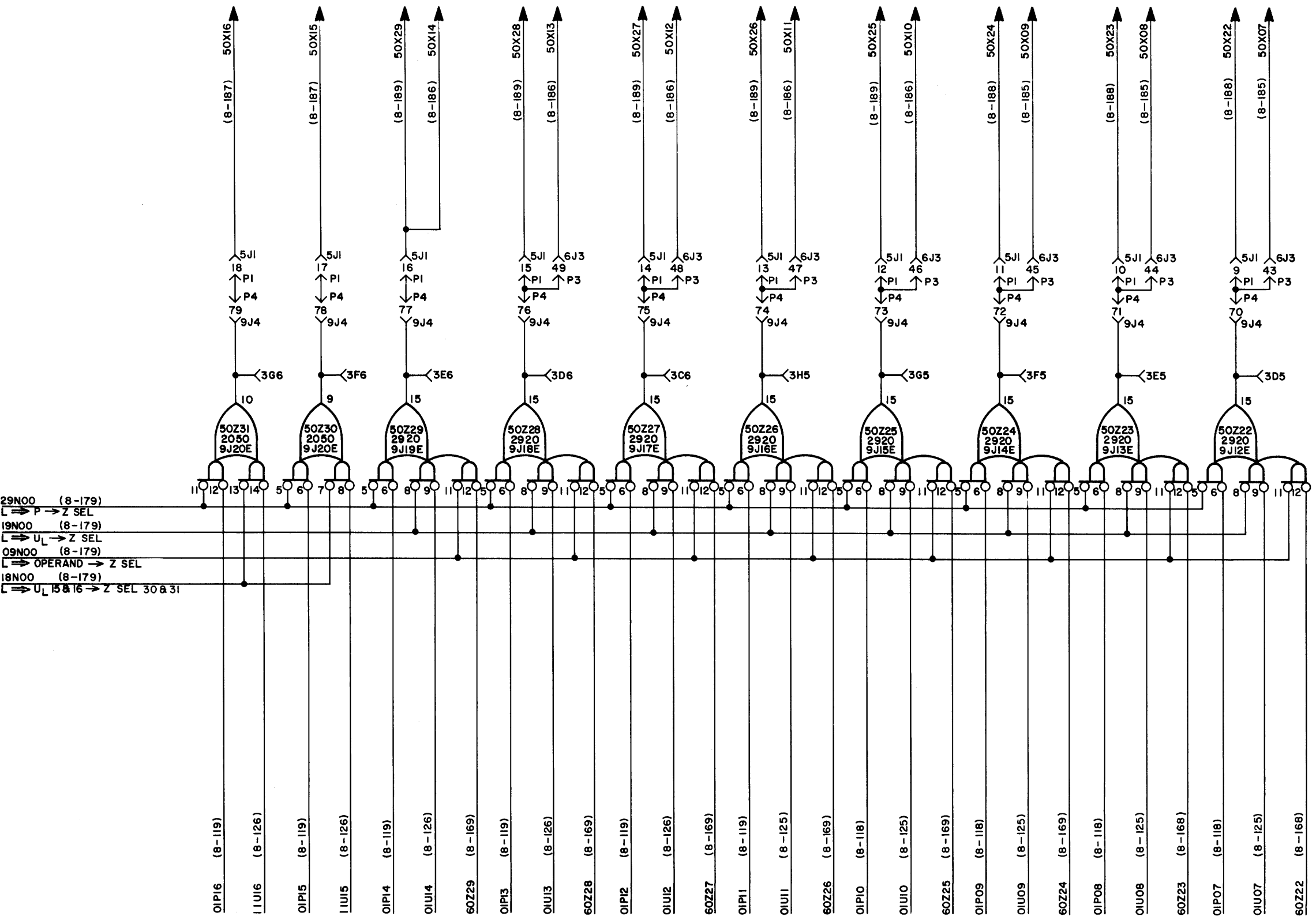
IDENT NO. 7032818-00

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UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE		CLASS	
DIMENSION IN INCHES. TOLERANCE OR 2 PLACE DECIMALS 3 PLACE DECIMALS ANGLES		DRAFTSMAN B. MORAST		5-20-65		A	
HOLE DIAMETER TOLERANCE 0 THRU .250 +.003 .251 THRU .500 +.005 .501 & LARGER +.010		CHECKER B. POPOV		9-15-66		TITLE	
THREADS: EXT. CL. 2A, INT. CL. 2B		ENGINEER G. KREGNESS		9-15-66		FUNCTIONAL SCHEMATIC, Z SELECT BITS 15-21	
MATERIAL		APPROVAL		CODE IDENT NO.		SIZE DWG NO.	
FINISH		G. KREGNESS		90536		D 7032818	
APPLICATION		NEXT ASSY		EQUIPMENT		SCALE WEIGHT SHEET OF	
COMMODITY CODE							

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		77404	SEE EIR		4-22-66	BSP



29N00 (8-179)
 L → P → Z SEL
 19N00 (8-179)
 L → U_L → Z SEL
 09N00 (8-179)
 L → OPERAND → Z SEL
 18N00 (8-179)
 L → U_L 15 & 16 → Z SEL 30 & 31

FIGURE 8-182

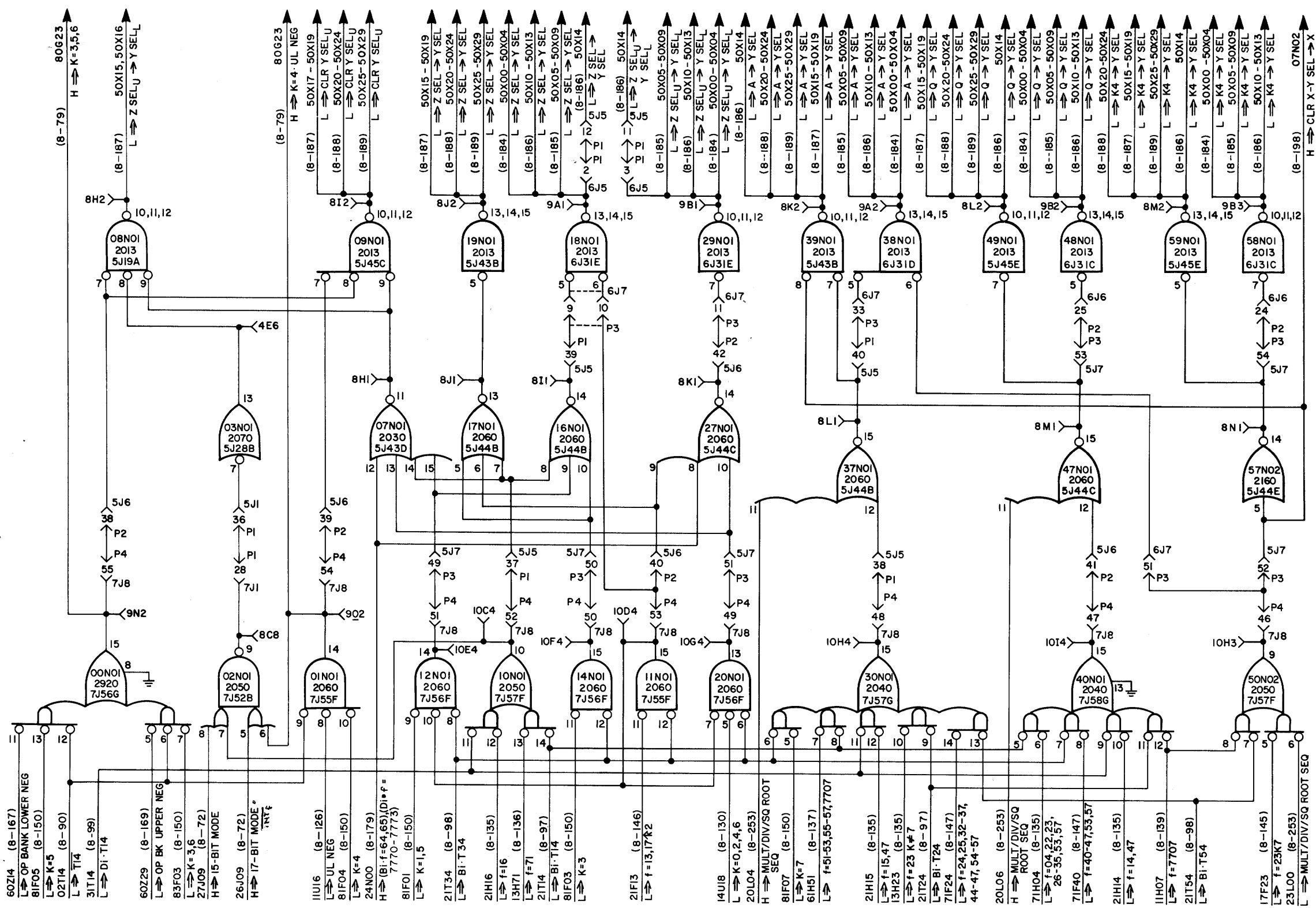
QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL			
UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES. TOLERANCE ON	B. MORAST	520-65	A
2 PLACE DECIMALS	CHECKER		TITLE
3 PLACE DECIMALS	B. POPOV		FUNCTIONAL SCHEMATIC,
ANGLES	ENGINEER		Z SELECT BITS 22-31
HOLE DIAMETER TOLERANCE	G. KREGNESS		CODE IDENT NO.
0 THRU .250	APPROVAL		SIZE
.251 THRU .500			DWG NO.
.501 & LARGER			90536
± .003			D
± .005			7032819
± .010			SCALE
± .005			WEIGHT
THREADS: EXT. CL. 2A, INT. CL. 2B			SHEET
MATERIAL			OF
FINISH			

IDENT NO. 7032819-00

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REVISIONS			
SYM	ZONE	EIR	DATE



- 60Z14 (8-167) L OP BANK LOWER NEG
- 81F05 (8-150) L K=5
- 02T14 (8-90) L T14
- 31T14 (8-98) L DI T14
- 60Z29 (8-169) L OP BK UPPER NEG
- 83F03 (8-150) L K=3,6
- 27J09 (8-72) H 15-BIT MODE
- 26J09 (8-72) H 17-BIT MODE
- 11U16 (8-126) L UL NEG
- 81F04 (8-150) L K=4
- 24N00 (8-179) H (BI-f=64,65)(DI*f=7770-7773)
- 81F01 (8-150) L K=1,5
- 21T34 (8-98) L BI T34
- 21H16 (8-135) L f=16
- 13H71 (8-136) L f=71
- 21T14 (8-97) L BI T14
- 81F03 (8-150) L K=3
- 21F13 (8-146) L f=13,17,42
- 14U18 (8-130) L K=0,2,4,6
- 20L04 (8-253) H MULT/DIV/SQ ROOT
- 81F07 (8-150) L K=7
- 61H51 (8-137) L f=51,53,55-57,7707
- 21H15 (8-135) L f=15,47
- 13H23 (8-135) L f=23 K#7
- 21T24 (8-97) L BI T24
- 71F24 (8-147) L f=24,25,32-37,44-47,54-57
- 20L06 (8-253) H MULT/DIV/SQ ROOT
- 71H04 (8-135) L f=04,22,23,26-35,53,57
- 71F40 (8-147) L f=40-47,53,57
- 21H14 (8-135) L f=14,47
- 11H07 (8-139) L f=7707
- 21T54 (8-98) L BI T54
- 17F23 (8-145) L f=23K7
- 23L00 (8-253) L MULT/DIV/SQ ROOT

FIGURE 8-183

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL			
CLASS	DATE	TITLE	
A	12-6-66	FUNCTIONAL SCHEMATIC, Y SELECT CONTROL	
CODE IDENT NO.	SIZE	DWG NO.	
90536	D	7075235	
SCALE	WEIGHT	SHEET	OF

IDENT NO. 7075235-00

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UNLESS OTHERWISE SPECIFIED	LAYOUT
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS	DRAFTSMAN R. PHERNETTON
± .005	CHECKER B. POPOV
± .002	ENGINEER D. FREE
HOLE DIAMETER TOLERANCE	APPROVED <i>[Signature]</i>
0 THRU .250 ± .003	
.251 THRU .500 ± .005	
.501 & LARGER ± .010	
THREADS: EXT. CL. 2A, INT. CL. 2B	
MATERIAL	
FINISH	

U →

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED

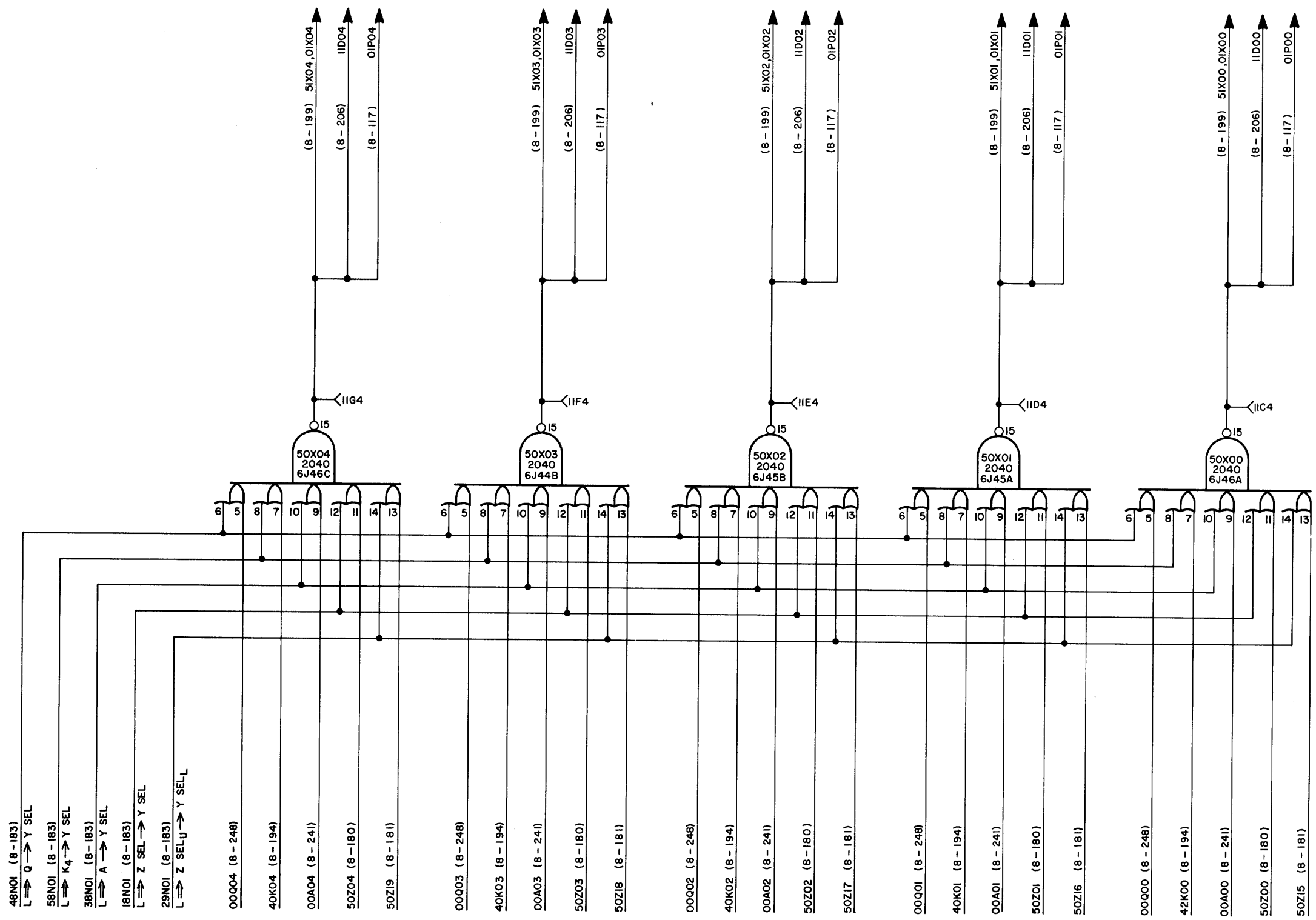


FIGURE 8-184

- 48NOI (8-183) L → Q → Y SEL
- 58NOI (8-183) L → K4 → Y SEL
- 38NOI (8-183) L → A → Y SEL
- 18NOI (8-183) L → Z SEL → Y SEL
- 29NOI (8-183) L → Z SEL → Y SEL
- 00Q04 (8-248)
- 40K04 (8-194)
- 00A04 (8-241)
- 50Z04 (8-180)
- 50Z19 (8-181)
- 00Q03 (8-248)
- 40K03 (8-194)
- 00A03 (8-241)
- 50Z03 (8-180)
- 50Z18 (8-181)
- 00Q02 (8-248)
- 40K02 (8-194)
- 00A02 (8-241)
- 50Z02 (8-180)
- 50Z17 (8-181)
- 00Q01 (8-248)
- 40K01 (8-194)
- 00A01 (8-241)
- 50Z01 (8-180)
- 50Z16 (8-181)
- 00Q00 (8-248)
- 42K00 (8-194)
- 00A00 (8-241)
- 50Z00 (8-180)
- 50Z15 (8-181)

H →

IDENT NO. 7032810-00

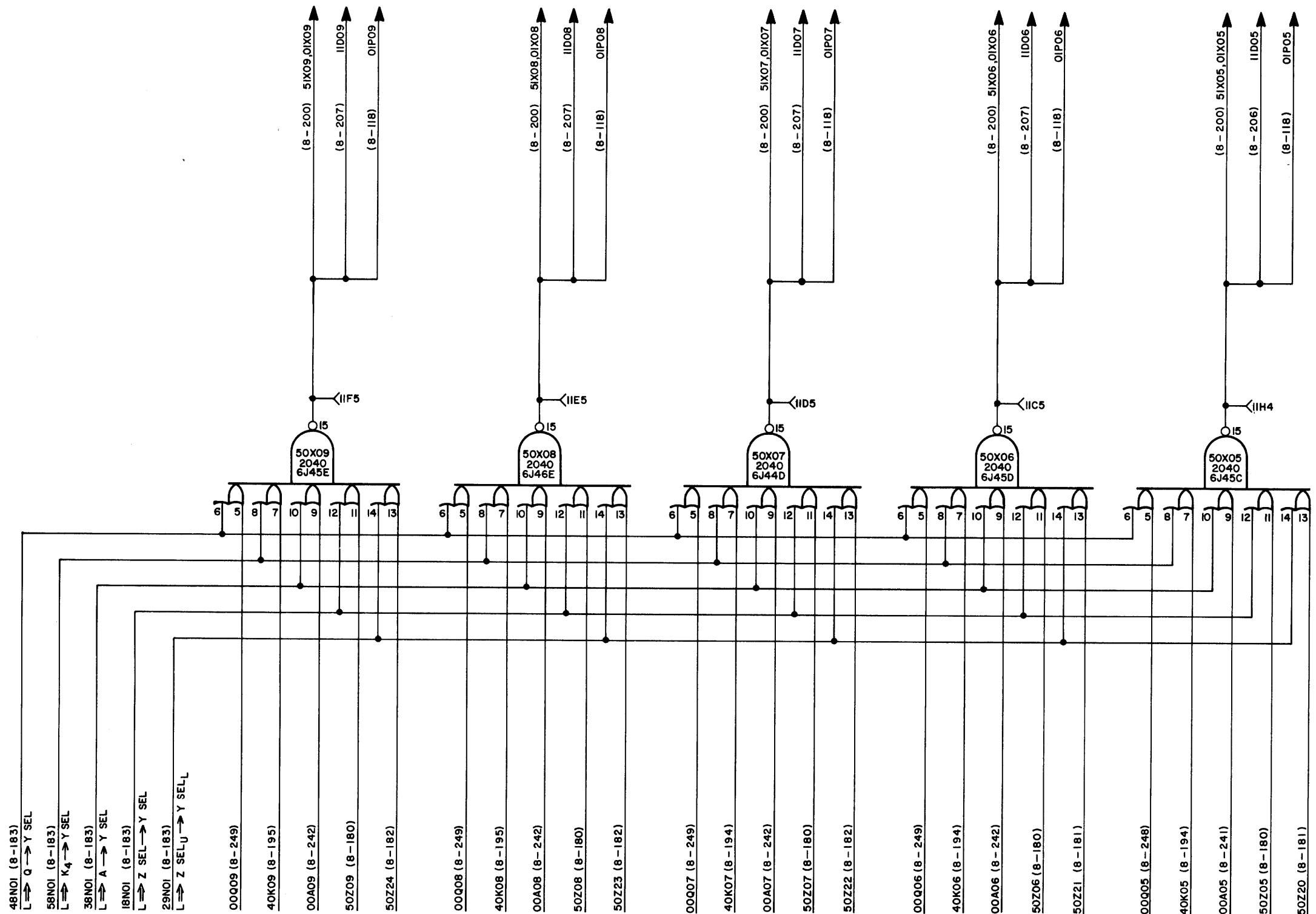
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 DIVISION OF SPERRY RAND CORPORATION

UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE		CLASS	
DIMENSION IN INCHES TOLERANCE ON		DATE		CLASS		A	
2 PLACE DECIMALS		5-17-65		CLASS		A	
3 PLACE DECIMALS		5-17-65		CLASS		A	
ANGLES		5-17-65		CLASS		A	
HOLE DIAMETER TOLERANCE		5-17-65		CLASS		A	
0 THRU .250		5-17-65		CLASS		A	
.003		5-17-65		CLASS		A	
.002		5-17-65		CLASS		A	
.005		5-17-65		CLASS		A	
THREADS EXCEPT 1/4 INT CL 2B		5-17-65		CLASS		A	
MATERIAL		5-17-65		CLASS		A	
FINISH		5-17-65		CLASS		A	
NEXT ASSY		EQUIPMENT		DATE		CLASS	
APPLICATION		EQUIPMENT		DATE		CLASS	
COMMODITY CODE		EQUIPMENT		DATE		CLASS	
FINISH		EQUIPMENT		DATE		CLASS	

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL		UNIVAC	
DIVISION OF SPERRY RAND CORPORATION		UNIVAC	
TITLE		FUNCTIONAL SCHEMATIC, Y SELECT BITS 00-04	
DRAFTSMAN		M. MOSENG	
CHECKER		B. POPOV	
ENGINEER		G. KREGNESS	
APPROVAL		[Signature]	
CODE IDENT NO.	SIZE	DWG NO.	
90536	D	7032810	
SCALE	WEIGHT	SHEET	OF

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPRVED



- 48NO1 (8-183) L → Q → Y SEL
- 58NO1 (8-183) L → K₄ → Y SEL
- 38NO1 (8-183) L → A → Y SEL
- 18NO1 (8-183) L → Z SEL → Y SEL
- 29NO1 (8-183) L → Z SEL → Y SEL
- 00Q09 (8-249)
- 40K09 (8-195)
- 00A09 (8-242)
- 50Z09 (8-180)
- 50Z24 (8-182)
- 00Q08 (8-249)
- 40K08 (8-195)
- 00A08 (8-242)
- 50Z08 (8-180)
- 50Z23 (8-182)
- 00Q07 (8-249)
- 40K07 (8-194)
- 00A07 (8-242)
- 50Z07 (8-180)
- 50Z22 (8-182)
- 00Q06 (8-249)
- 40K06 (8-194)
- 00A06 (8-242)
- 50Z06 (8-180)
- 50Z21 (8-181)
- 00Q05 (8-248)
- 40K05 (8-194)
- 00A05 (8-241)
- 50Z05 (8-180)
- 50Z20 (8-181)

FIGURE 8-185

IDENT NO. 7032811-00

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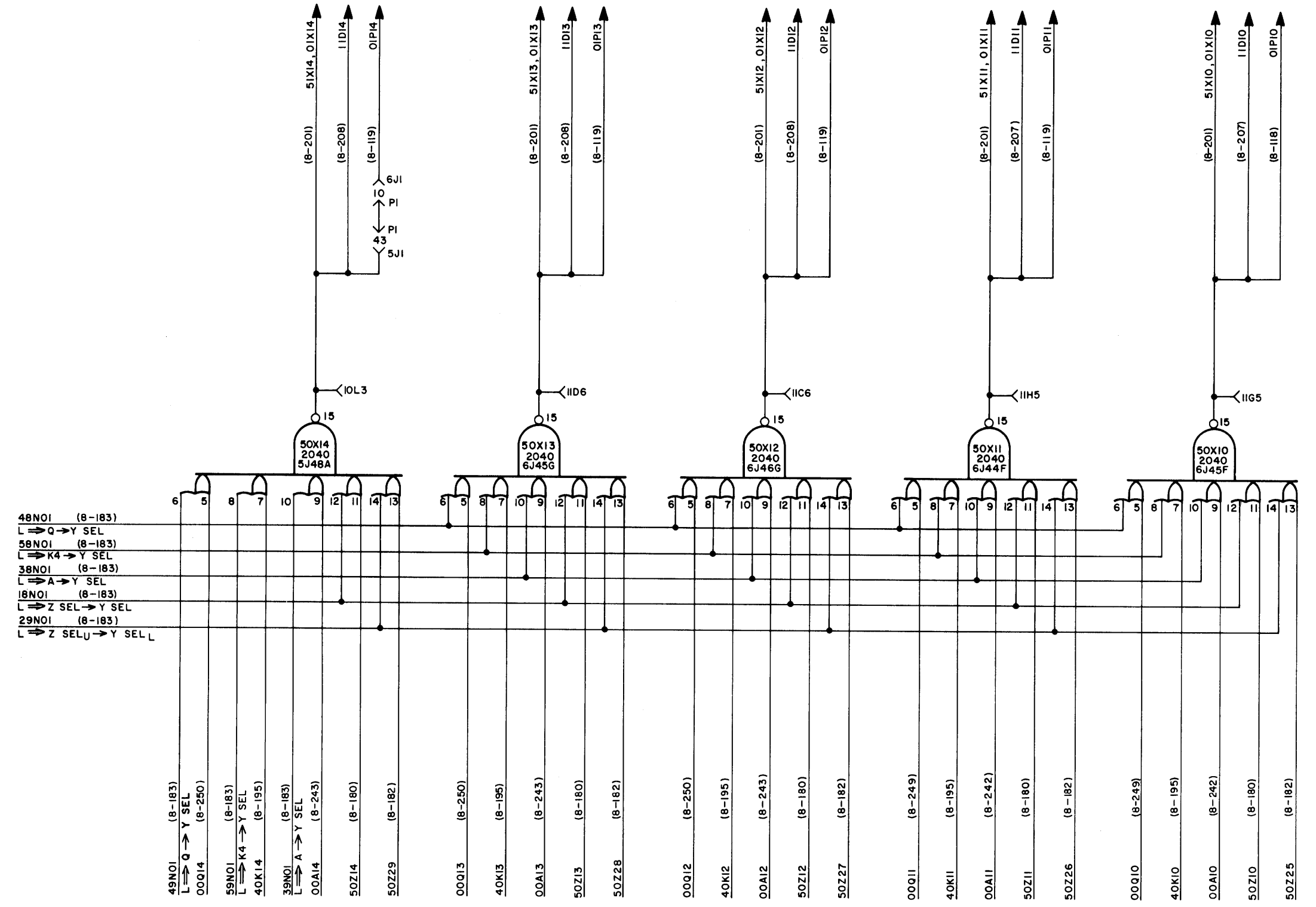
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UNLESS OTHERWISE SPECIFIED	DIMENSION IN INCHES TOLERANCE ON	LAYOUT	DATE	CLASS
	2 PLACE DECIMALS = .01	3 PLACE DECIMALS = .005	M.MOSENG	5-19-65
	HOLE DIAMETER TOLERANCE	CHECKER		
	0 THRU .250 = +.003	B. POPOV		
	.251 THRU .500 = +.005	ENGINEER		
	.501 & LARGER = +.010	G. KREGNESS		
	THREADS: EXCEPT AS INT. CL. 2B	APPROVAL		
	MATERIAL			
	FINISH			
	APPLICATION			
	EQUIPMENT			
	COMMODITY CODE			

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL	
CLASS	A
UNIVAC DIVISION OF SPERRY RAND CORPORATION	
TITLE	
FUNCTIONAL SCHEMATIC, Y SELECT BITS 05-09	
CODE IDENT NO.	SIZE
90536	D
DWG NO.	
7032811	
SCALE	WEIGHT
SHEET	OF

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE



- 48NOI (8-183) L → Q → Y SEL
- 58NOI (8-183) L → K4 → Y SEL
- 38NOI (8-183) L → A → Y SEL
- 18NOI (8-183) L → Z SEL → Y SEL
- 29NOI (8-183) L → Z SEL_U → Y SEL_L

- 49NOI (8-183) L → Q → Y SEL
- 00Q14 (8-250)
- 59NOI (8-183) L → K4 → Y SEL
- 40K14 (8-195)
- 39NOI (8-183) L → A → Y SEL
- 00A14 (8-243)
- 50Z14 (8-180)
- 50Z29 (8-182)

FIGURE 8-186

QTY	FIND	REL	DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
-----	------	-----	-----	------	-----	-------------------------	-----------------------------

LIST OF MATERIAL

IDENT NO. 7032812-00

UNLESS OTHERWISE SPECIFIED: DIMENSIONS IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES		DATE	CLASS	<div style="text-align: center; font-weight: bold;">UNIVAC</div> <small>DIVISION OF SPERRY RAND CORPORATION</small>
<small>UNLESS OTHERWISE SPECIFIED: DIMENSIONS IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES</small>		5-18-65	A	
<small>UNLESS OTHERWISE SPECIFIED: DIMENSIONS IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES</small>		<div style="text-align: center;"> <div style="font-weight: bold; font-size: 1.2em;">FUNCTIONAL SCHEMATIC, Y SELECT BITS 10-14</div> </div>		
DRAFTER L. SLETTEN CHECKER B. POPOV ENGINEER G. KREGNESS	DATE 9-15-64 DATE 9-15-64	CODE IDENT NO. 90536	SIZE D	DWG NO. 7032812
APPROVAL <i>[Signature]</i>		SCALE	WEIGHT	SHEET 1 OF 1

REVISIONS				
SYM	ZONE	E/R	DESCRIPTION	DATE

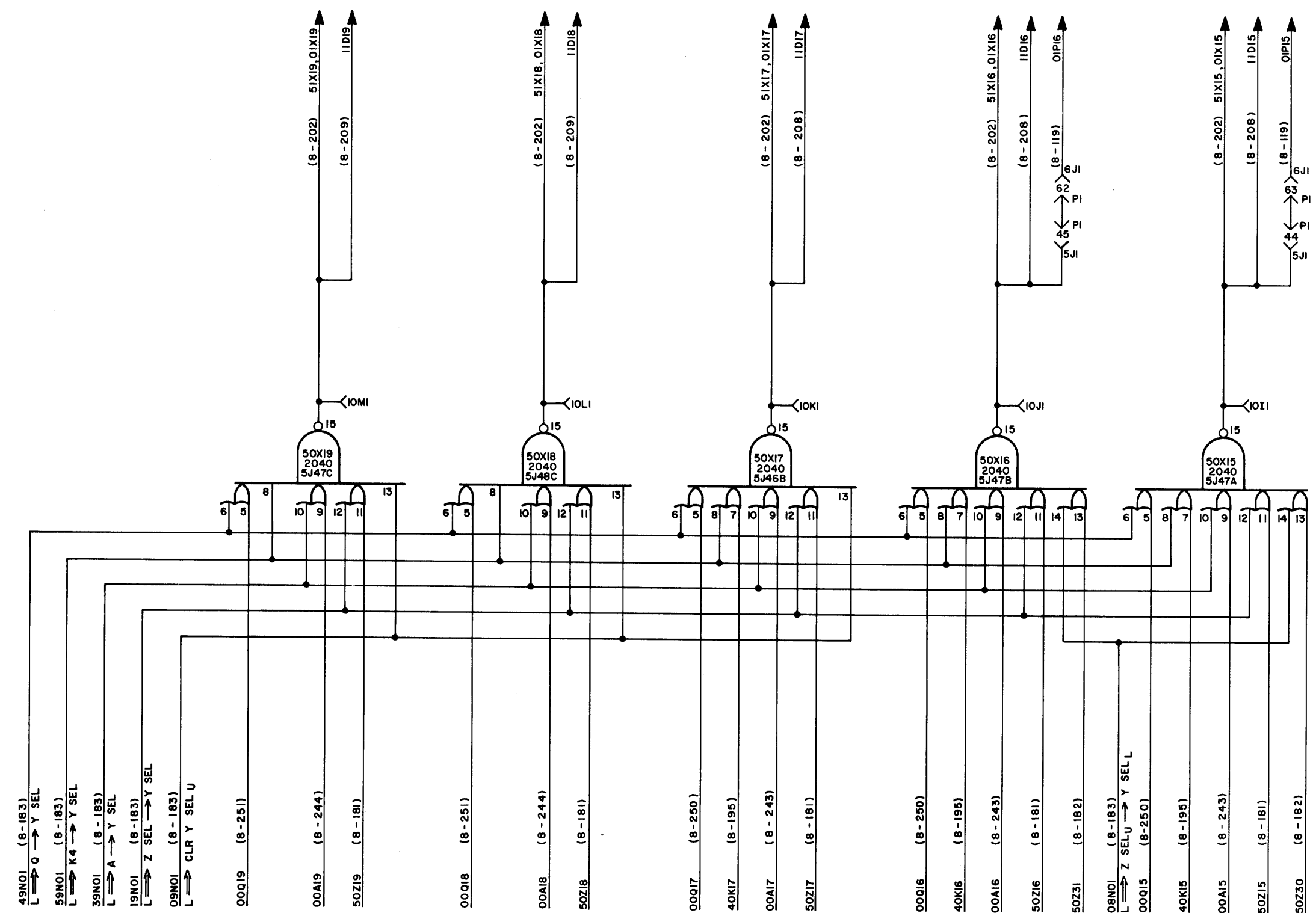


FIGURE 8 - 187

QTY	FIND	REF DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

IDENT NO. 7032813-00

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UNLESS OTHERWISE SPECIFIED: DIMENSION IN INCHES: TOLERANCE ON 3 PLACE DECIMALS ± DECIMALS ± ANGLES HOLE DIAMETER TOLERANCE 3 THRU .003 ± .015 .001 & LARGER .002 ± .003 ± .005 THREADS: EXP. CAL. INT. CL 2B MATERIAL FINISH		LAYOUT DATE CLASS DRAFTSMAN CHECKER ENGINEER APPROVAL	5-18-65 A L. SLETTEN B. POPOV G. KREGNESS 9-15-65	TITLE FUNCTIONAL SCHEMATIC, Y SELECT BITS 15-19
APPLICATION COMMODITY CODE	LIST OF MATERIAL	CODE IDENT NO. 90536	SIZE D	DWG NO. 7032813
SCALE	WEIGHT	SHEET 1 OF 1		

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	APP'D

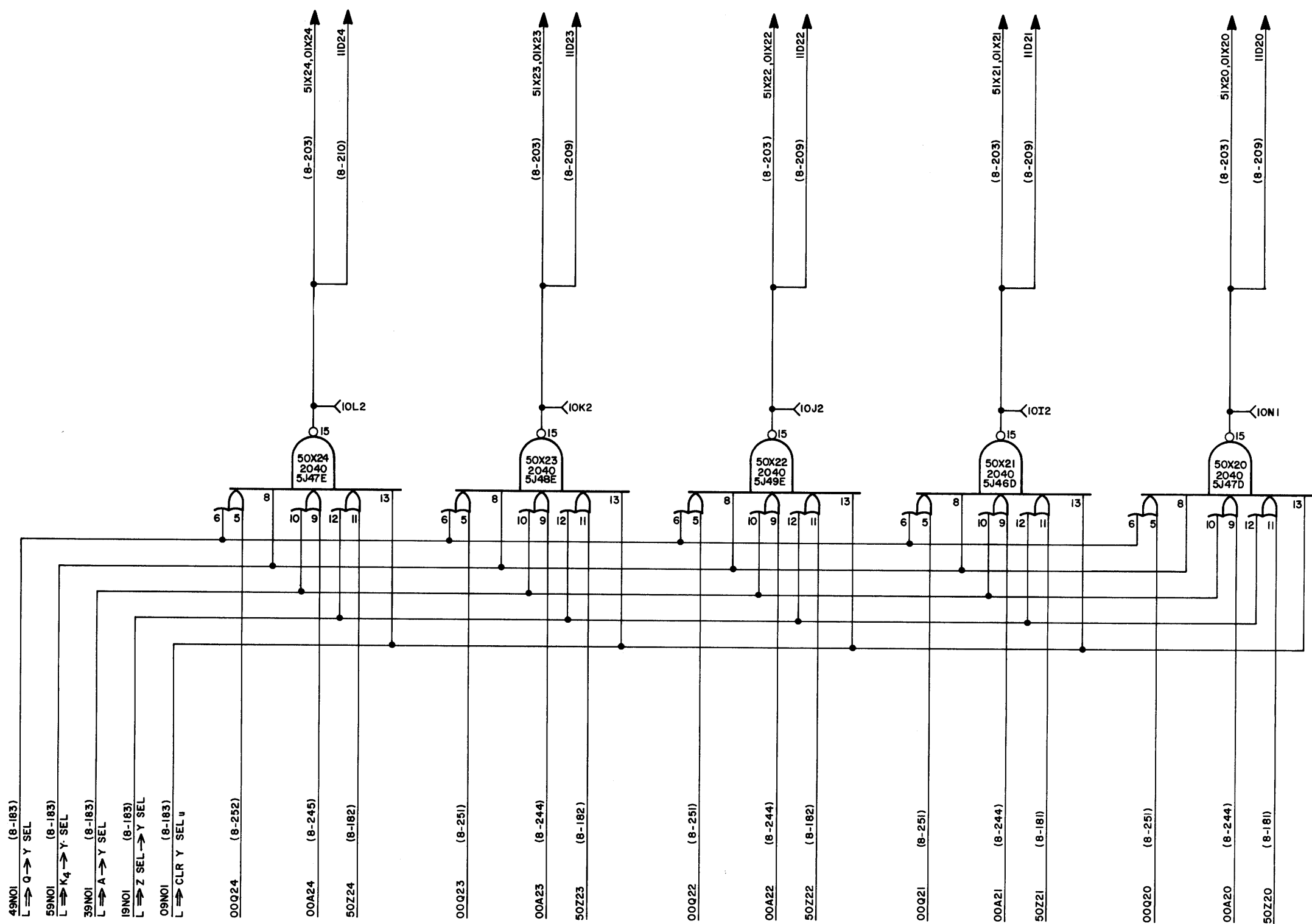


FIGURE 8-188

- 49N01 (8-183) L → Q → Y SEL
- 59N01 (8-183) L → K₄ → Y SEL
- 39N01 (8-183) L → A → Y SEL
- 19N01 (8-183) L → Z SEL → Y SEL
- 09N01 (8-183) L → CLR Y SEL
- 00Q24 (8-252)
- 00A24 (8-245)
- 50Z24 (8-182)
- 00Q23 (8-251)
- 00A23 (8-244)
- 50Z23 (8-182)
- 00Q22 (8-251)
- 00A22 (8-244)
- 50Z22 (8-182)
- 00Q21 (8-251)
- 00A21 (8-244)
- 50Z21 (8-181)
- 00Q20 (8-251)
- 00A20 (8-244)
- 50Z20 (8-181)

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						

IDENT NO. 7032814-00

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UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE	CLASS
DIMENSION IN INCHES, TOLERANCE ON 2 PLACE DECIMALS		3 PLACE DECIMALS		5-18-65	A
HOLE DIAMETER TOLERANCE		FINISH		UNIVAC	
.003		THRU .250		DIVISION OF SPRAY RANG CORPORATION	
.002		.251 & LARGER		TITLE	
.005		THREATS EXC. GA. INT. CL. 2R		FUNCTIONAL SCHEMATIC, Y SELECT BITS 20-24	
MATERIAL		EQUIPMENT		CHECKER	
APPLICATION		DRAWN		B. POPOV	
FINISH		ENGINEER		G. KREGNESS	
APPROVAL		DATE		APPROVAL	
G. Kregness		5-15-65		G. Kregness	
DATE		DATE		DATE	
5-15-65		5-15-65		5-15-65	
CODE IDENT NO.		SIZE		DWG NO.	
90536		D		7032814	
SCALE		WEIGHT		SHEET	

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	DATE

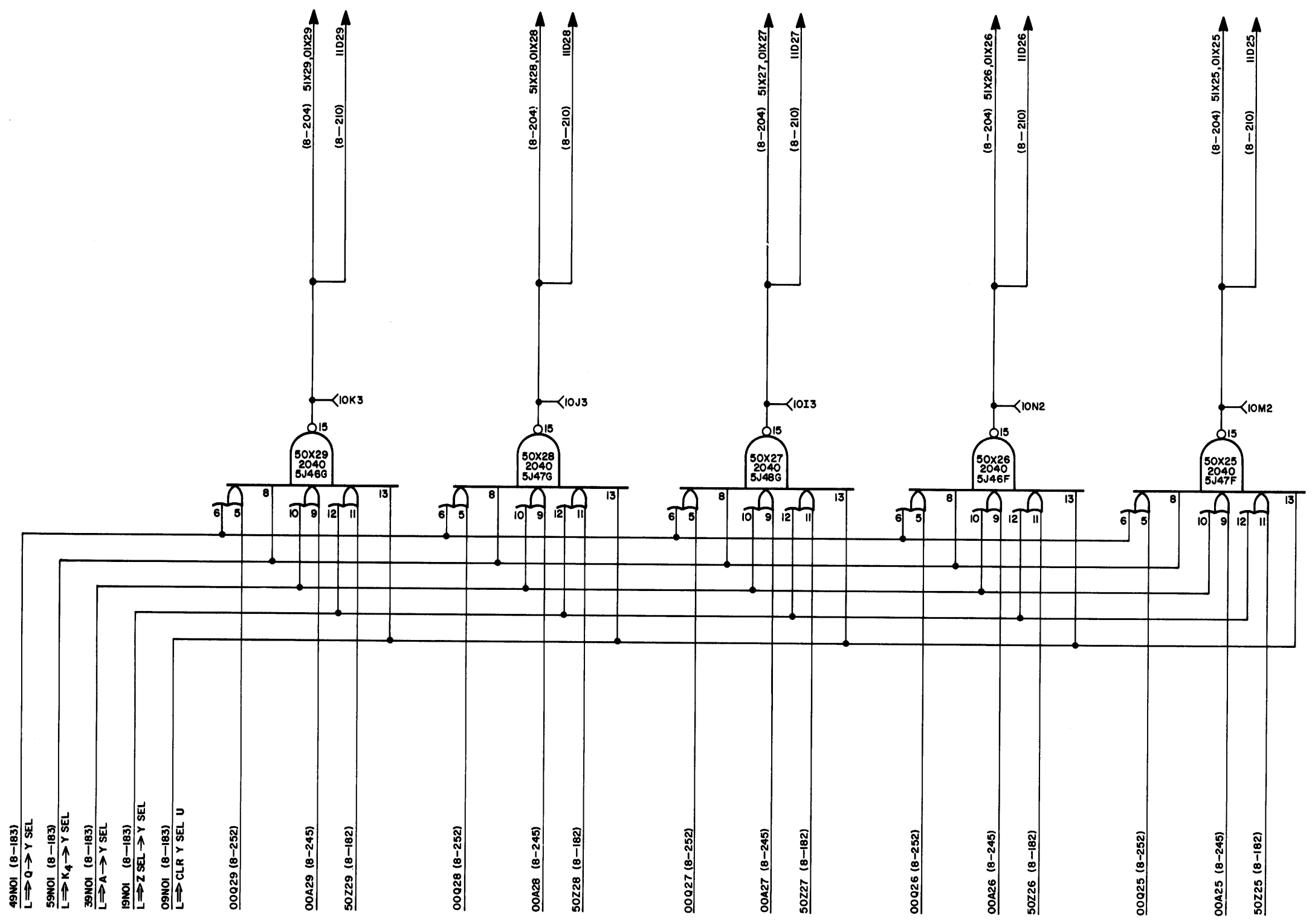


FIGURE 8-189

- 49N01 (8-183)
L → Q → Y SEL
- 59N01 (8-183)
L → K4 → Y SEL
- 39N01 (8-183)
L → A → Y SEL
- 19N01 (8-183)
L → Z SEL → Y SEL
- 09N01 (8-183)
L → CLR Y SEL U
- 00Q29 (8-252)
- 00A29 (8-245)
- 50Z29 (8-182)
- 00Q28 (8-252)
- 00A28 (8-245)
- 50Z28 (8-182)
- 00Q27 (8-252)
- 00A27 (8-245)
- 50Z27 (8-182)
- 00Q26 (8-252)
- 00A26 (8-245)
- 50Z26 (8-182)
- 00Q25 (8-252)
- 00A25 (8-245)
- 50Z25 (8-182)

IDENT NO. 7032815-00

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	UNLESS OTHERWISE SPECIFIED:	
	DIMENSIONS IN INCHES - TOLERANCE ON	
	FRAMES IN INCHES - TOLERANCE ON	
	DETAILS - DIMENSIONS IN INCHES	
HOLE DIMENSIONS TOLERANCE:		
0 THRU .250	± .010	0.50 & LARGER
.250	± .010	0.005
.005	± .005	0.005
MATERIAL:		
FINISH:		
APPLICATION:	EQUIPMENT:	
QUANTITY:		

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL							
						UNIVAC	
						DIVISION OF BERRY RAND CORPORATION	
				DATE	CLASS	TITLE	
				5-18-65	A	FUNCTIONAL SCHEMATIC, Y SELECT BITS 25-29	
				DESIGNED BY	CHECKED BY	ENGINEER	
				B. POPOV	BP	G. KREGNESS	
				DATE	DATE	DATE	
				9-15-65	9-15-65	9-15-65	
				APPROVAL			
				CODE IDENT NO.	SIZE	DWG NO.	
				90536	D	7032815	
				SCALE	WEIGHT	SHEET 1 OF 1	

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED

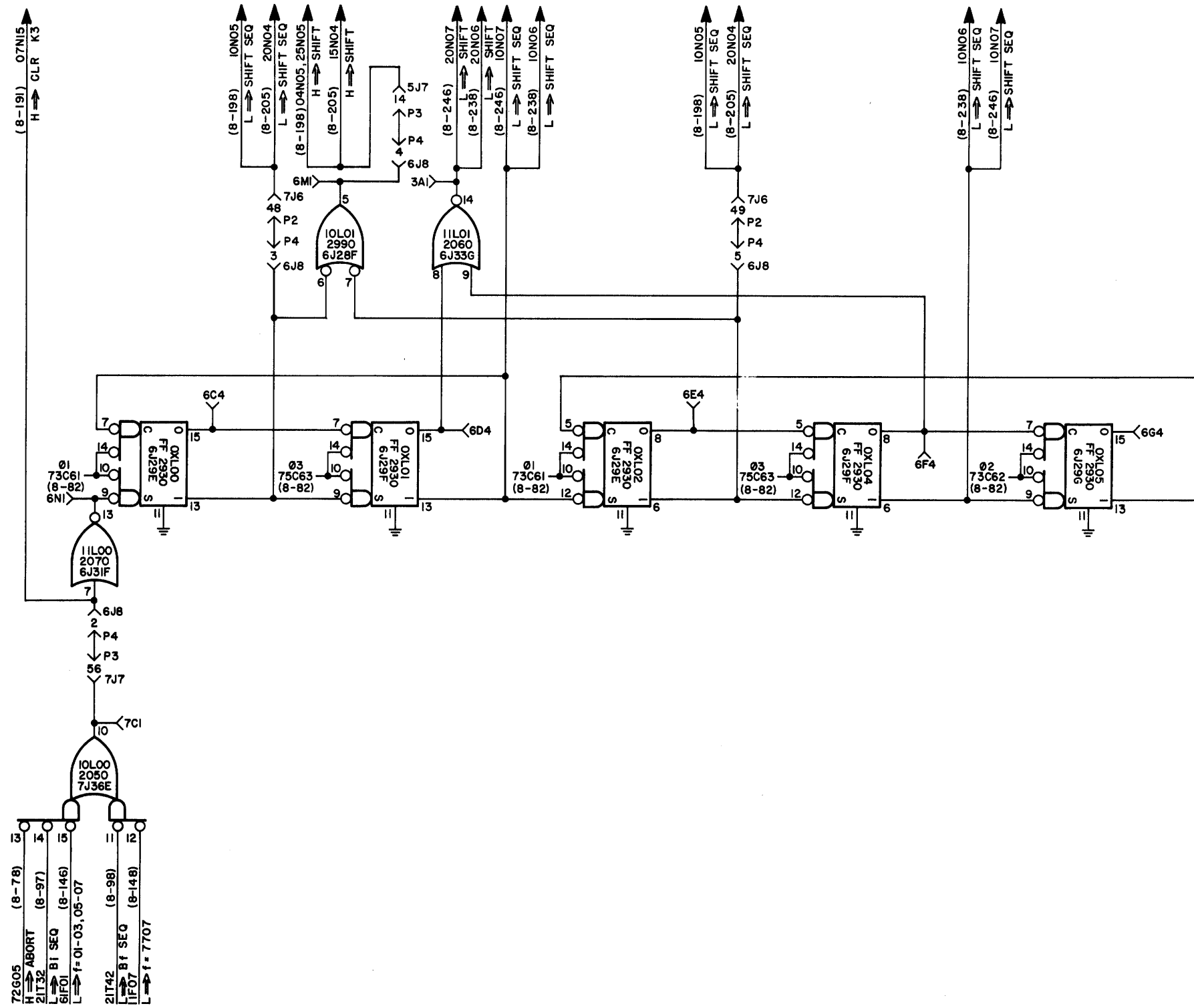


FIGURE 8-190

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL

UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS	UNIVAC <small>DIVISION OF SPERRY RAND CORPORATION</small>
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS 3 PLACE DECIMALS	DRAFTSMAN M. MOSENG	5-20-65	A	
ANGLES	CHECKER B. POPOV	9-15-65		
HOLE DIAMETER TOLERANCE 0 THRU .250 +.003 .251 THRU .500 +.005 .501 & LARGER +.010	ENGINEER G. KREGNESS	9-15-65		TITLE FUNCTIONAL SCHEMATIC, SHIFT SEQUENCE
THREADS: EXT. CL. 2A, INT. CL. 2B	APPROVAL <i>[Signature]</i>	9-15-65		CODE IDENT NO. 90536
MATERIAL				SIZE D
FINISH				DWG NO. 7032846
				SCALE
				WEIGHT
				SHEET OF

IDENT NO. 7032846-00

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REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		71694	SEE EIR		10-28-65	<i>[Signature]</i>
B		77402	SEE EIR		11-1-66	<i>[Signature]</i>

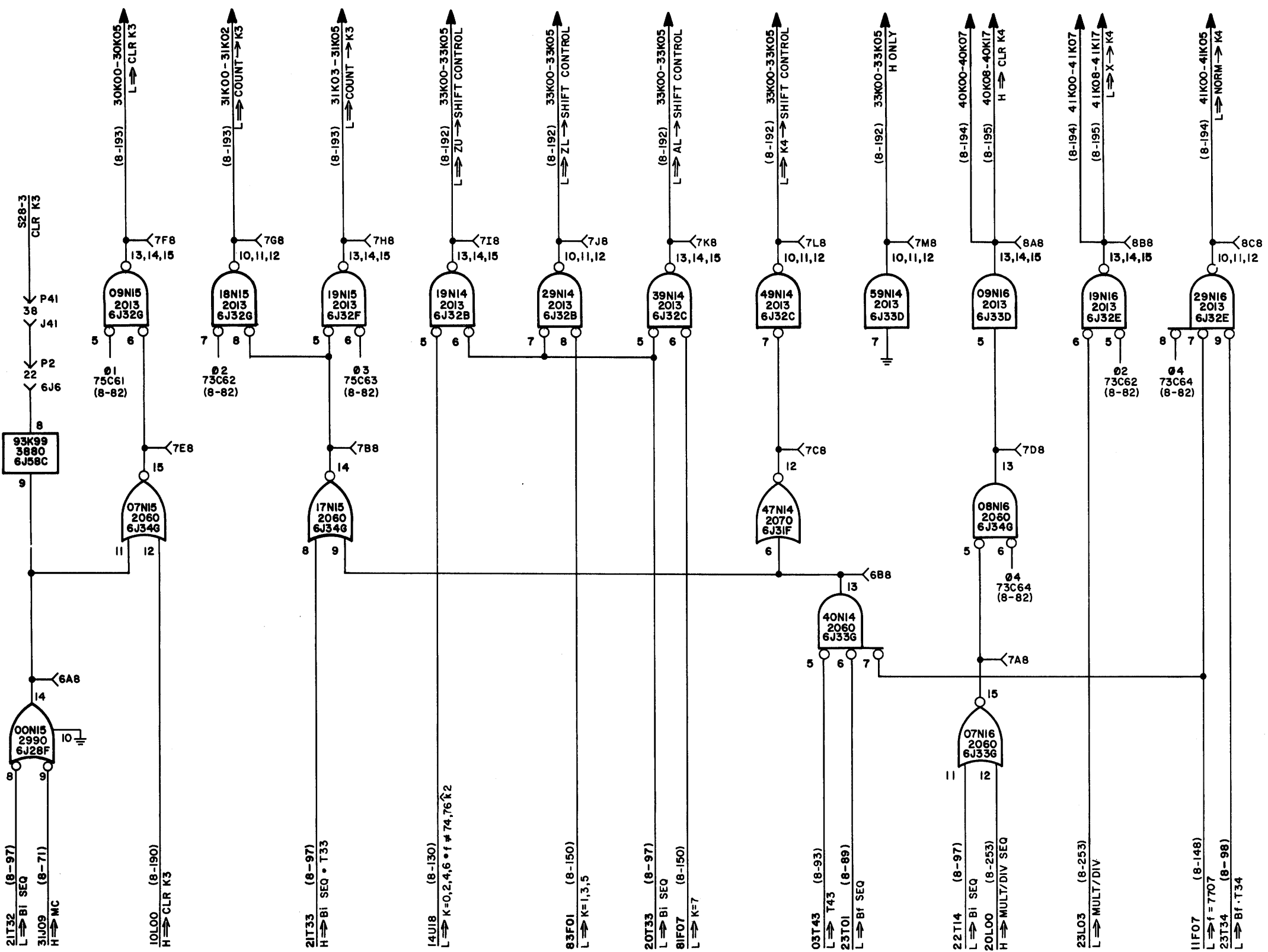


FIGURE 8-191

IDENT NO. 7032717-00

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QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL

UNLESS OTHERWISE SPECIFIED		LAYOUT	DATE	CLASS
DIMENSION IN INCHES TOLERANCE ON 2 PLACE DECIMALS	± 3 PLACE DECIMALS	DRAFTSMAN	5-1-65	A
HOLE DIAMETER TOLERANCE	± .005	J. KETTER		
0 THRU .250	± .005	CHECKER		
.251 THRU .500	± .005	B. POPOV		
.501 & larger	± .010	ENGINEER		
THREADS: EXT. CL. 2A, INT. CL. 2B		G. KREGNESS		
MATERIAL		APPROVAL		
FINISH		<i>[Signature]</i>		
COMMODITY CODE				

CODE IDENT NO.	SIZE	DWG NO.
90536	D	7032717
SCALE	WEIGHT	SHEET OF

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED

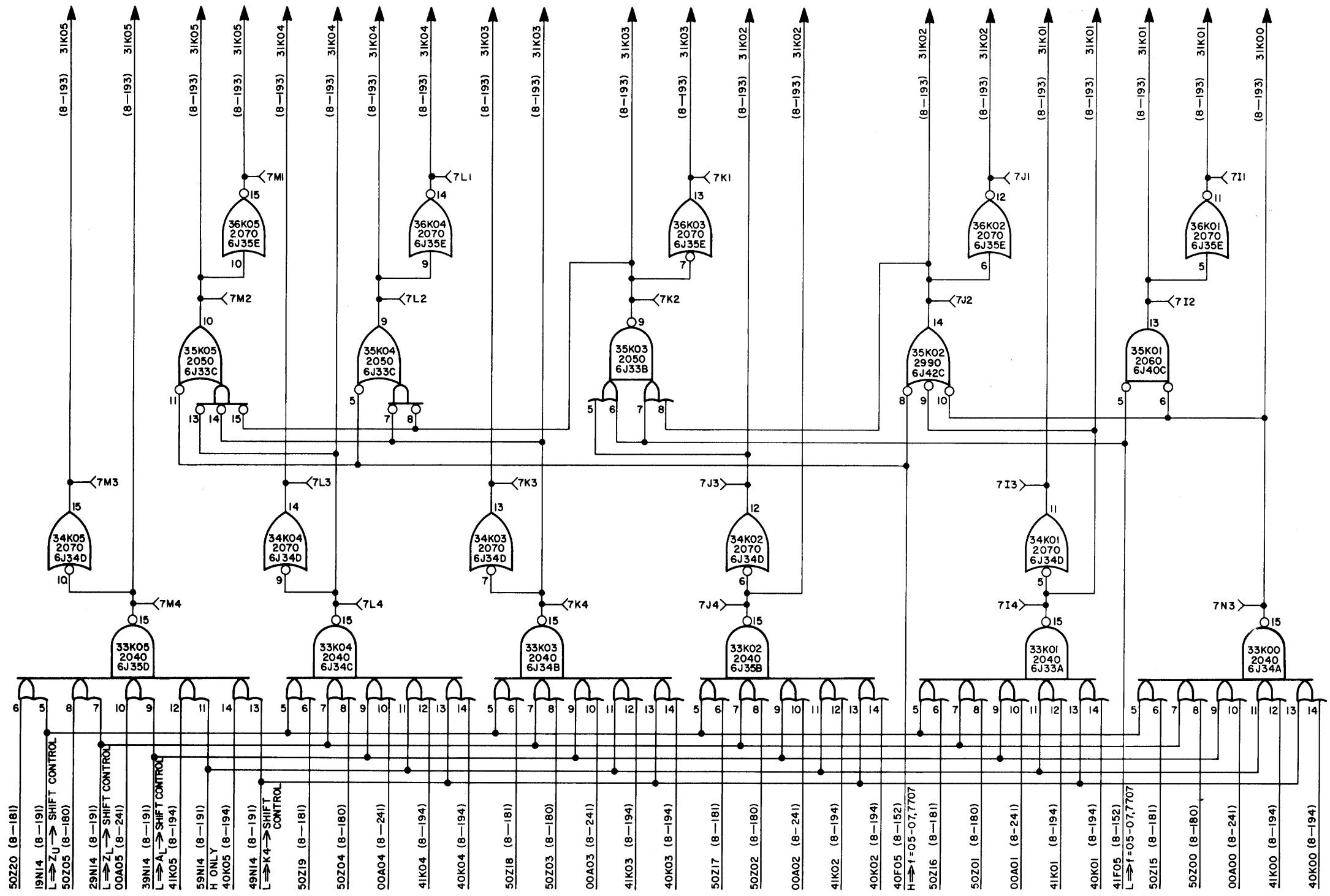


FIGURE 8-192

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL							
UNLESS OTHERWISE SPECIFIED				DIMENSION IN INCHES. TOLERANCE ON		LAYOUT	
2 PLACE DECIMALS		3 PLACE DECIMALS		ANGLES		DATE	
±		±		±		CLASS	
±		±		±		A	
HOLE DIAMETER TOLERANCE				MATERIAL		DRAFTSMAN	
0 THRU .250		.251 THRU .500		.501 & LARGER		M. CLARK	
+ .003		+ .005		+ .010		CHECKER	
- .002		- .005		- .005		B. POPOV	
THREADS: EXT. CL. 2A, INT. CL. 2B				FINISH		ENGINEER	
NEXT ASSY				EQUIPMENT		G. KREGNESS	
APPLICATION				COMMODITY CODE		APPROVAL	
						D. McKeon	
						DATE	
						5-24-62	
						TITLE	
						FUNCTIONAL SCHEMATIC, SHIFT CONTROL MATRIX	
						CODE IDENT NO.	
						90536	
						SIZE	
						D	
						DWG NO.	
						7032840	
						SCALE	
						WEIGHT	
						SHEET	
						OF	

IDENT NO. 7032840-00

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REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED
A	E13313		139 17K2 INSTRUCTION CORRECTION.	

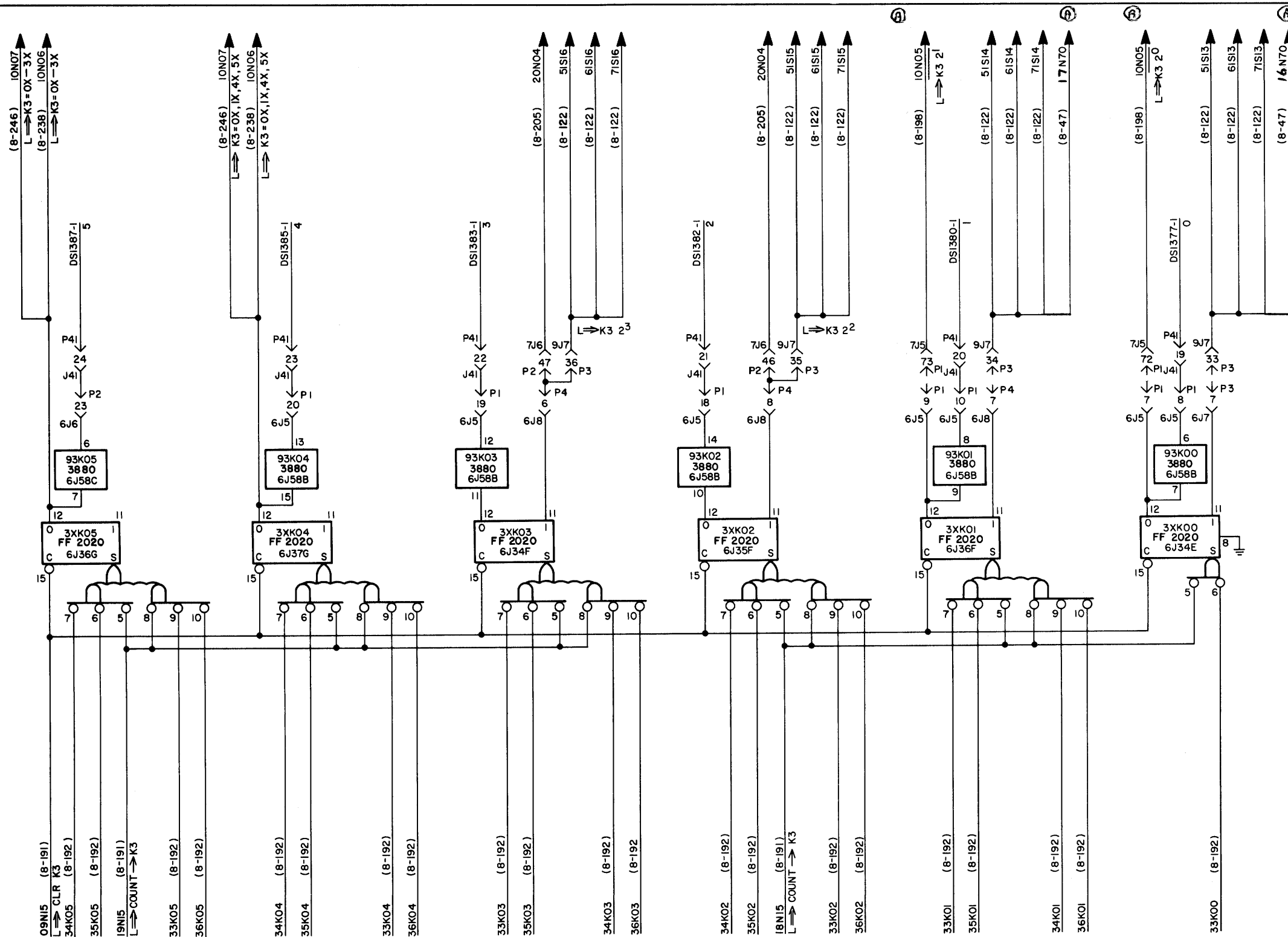


FIGURE 8-193

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL							
				UNLESS OTHERWISE SPECIFIED		LAYOUT	
				DIMENSION IN INCHES. TOLERANCE OR		DATE	
				2 PLACE DECIMALS =		CLASS	
				3 PLACE DECIMALS =		A	
				ANGLES =		DRAFTSMAN	
				HOLD DIAMETER TOLERANCE		R. M. BECKMAN	
				0 THRU .250 +.003		5-18-65	
				.251 THRU .500 +.005		CHECKER	
				.501 & LARGER +.010		B. POPOV	
				THREADS: EXT. CL. 2A, INT. CL. 2B		ENGINEER	
						G. KREGNESS	
						APPROVAL	
						G. Kregness 9-15-65	
				MATERIAL		CODE IDENT NO.	
				FINISH		SIZE	
						D	
						DWG NO.	
						7032841	
						SCALE	
						WEIGHT	
						SHEET 1 OF 1	

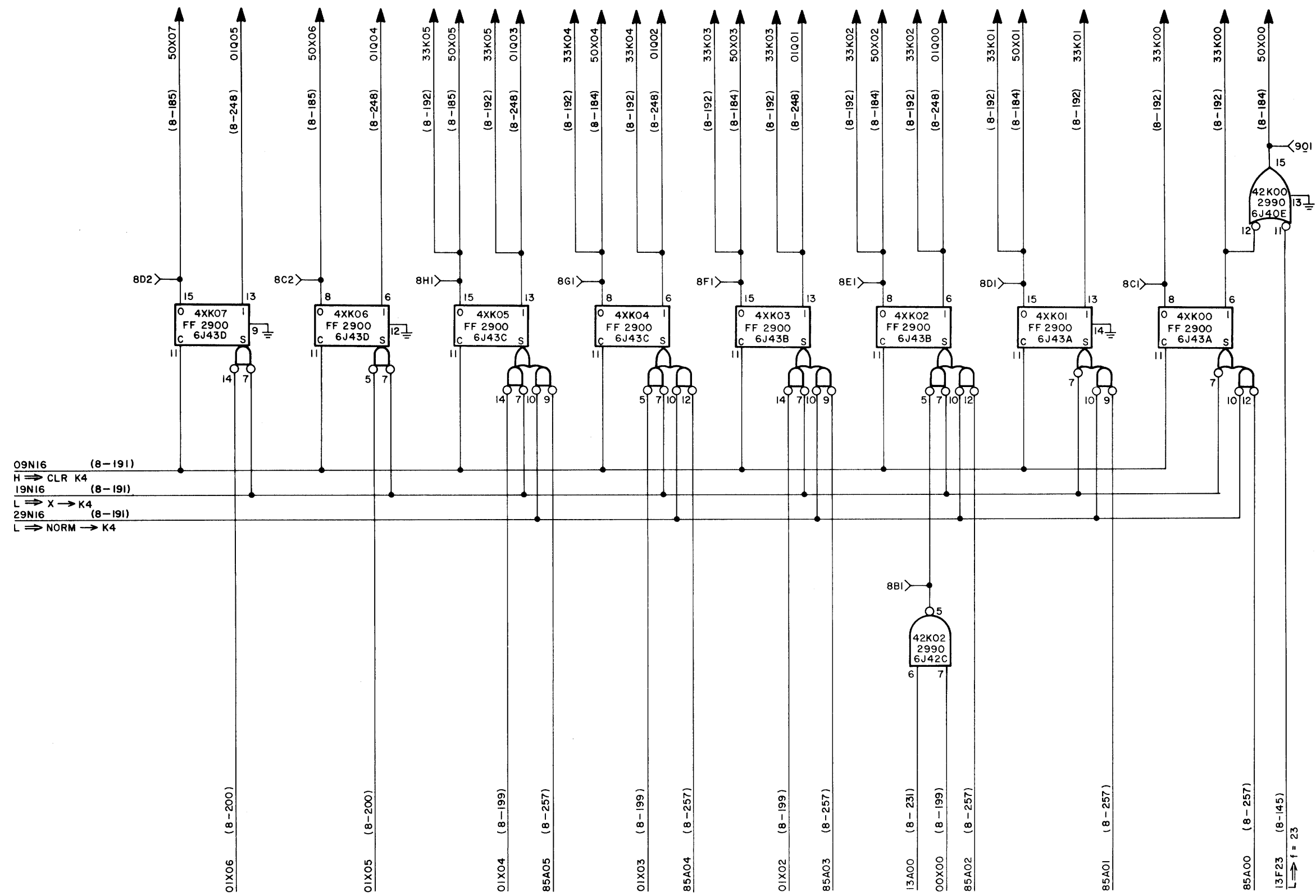
IDENT NO. 7032841-00

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UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES. TOLERANCE OR	DRAFTSMAN	5-18-65	A
2 PLACE DECIMALS =	R. M. BECKMAN		
3 PLACE DECIMALS =	CHECKER		
ANGLES =	B. POPOV		
HOLD DIAMETER TOLERANCE	ENGINEER		
0 THRU .250 +.003	G. KREGNESS		
.251 THRU .500 +.005	APPROVAL		
.501 & LARGER +.010	G. Kregness		
-.002			
THREADS: EXT. CL. 2A, INT. CL. 2B			
MATERIAL			
FINISH			

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		77402	SEE EIR		4-4-66	<i>[Signature]</i>



09N16 (8-191)
H ⇒ CLR K4
19N16 (8-191)
L ⇒ X → K4
29N16 (8-191)
L ⇒ NORM → K4

FIGURE 8-194

IDENT NO. 7032723-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:
ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREIN MAY NOT BE DISCLOSED TO ANY OTHER PERSON OR ORGANIZATION WITHOUT THE WRITTEN PERMISSION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS 3 PLACE DECIMALS ANGLES + - HOLE DIAMETER TOLERANCE 0 THRU .250 +.005 .251 THRU .500 +.010 .501 & LARGER +.015 -.002 -.005 THREADS: EXT. CL. 2A, INT. CL. 2B	LAYOUT	DATE	CLASS
	G.S. WHEBBE	5-19-65	A
NEXT ASSY	EQUIPMENT	CHECKER	ENGINEER
APPLICATION		B. POPOV	G. KREGNESS
COMMODITY CODE	FINISH	APPROVAL	
		<i>[Signature]</i>	

TITLE		UNIVAC	
FUNCTIONAL SCHEMATIC, K4 REGISTER BITS 00-07		DIVISION OF SPERRY RAND CORPORATION	
CODE IDENT NO.	SIZE	DWG NO.	
90536	D	7032723	
SCALE	WEIGHT	SHEET	OF

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED

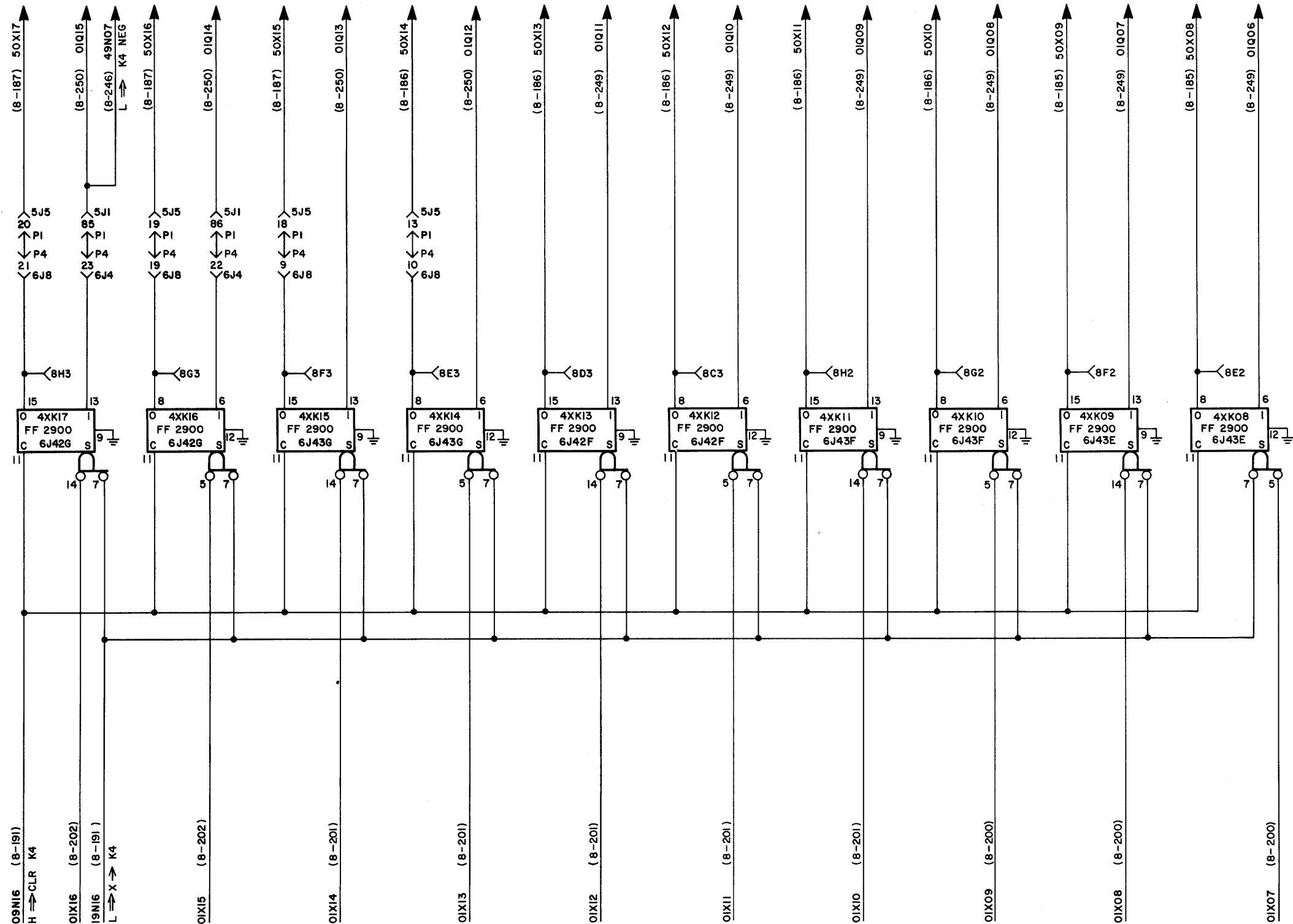


FIGURE 8-195

QTY	FIND	REF DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD			IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL						

IDENT NO. 7032724-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT.

ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DEALT WITH IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

UNLESS OTHERWISE SPECIFIED		LAYOUT	DATE	CLASS	UNIVAC DIVISION OF SPERRY RAND CORPORATION
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS ± .005 3 PLACE DECIMALS ± .002 ANGLES ± .010		DRAFTSMAN G. S. WHEBBE	5-19-65	A	
HOLD DIAMETER TOLERANCE 0 THRU .250 ± .003 .251 THRU .500 ± .005 .501 & LARGER ± .010		CHECKER B. POPOV			TITLE FUNCTIONAL SCHEMATIC, K4 REGISTER BITS 08-17
THREADS: EXT. CL. 2A, INT. CL. 2B		ENGINEER G. KREGNESS	9-15-65		CODE IDENT NO. 90536
NEXT ASSY	EQUIPMENT	APPROVAL <i>G. Kregness</i>	9-15-65		SIZE D
APPLICATION	FINISH				DWG NO. 7032724
COMMODITY CODE					SCALE
					WEIGHT
					SHEET 1 OF 1

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVED
A		71694	SEE EIR	8-28-65	

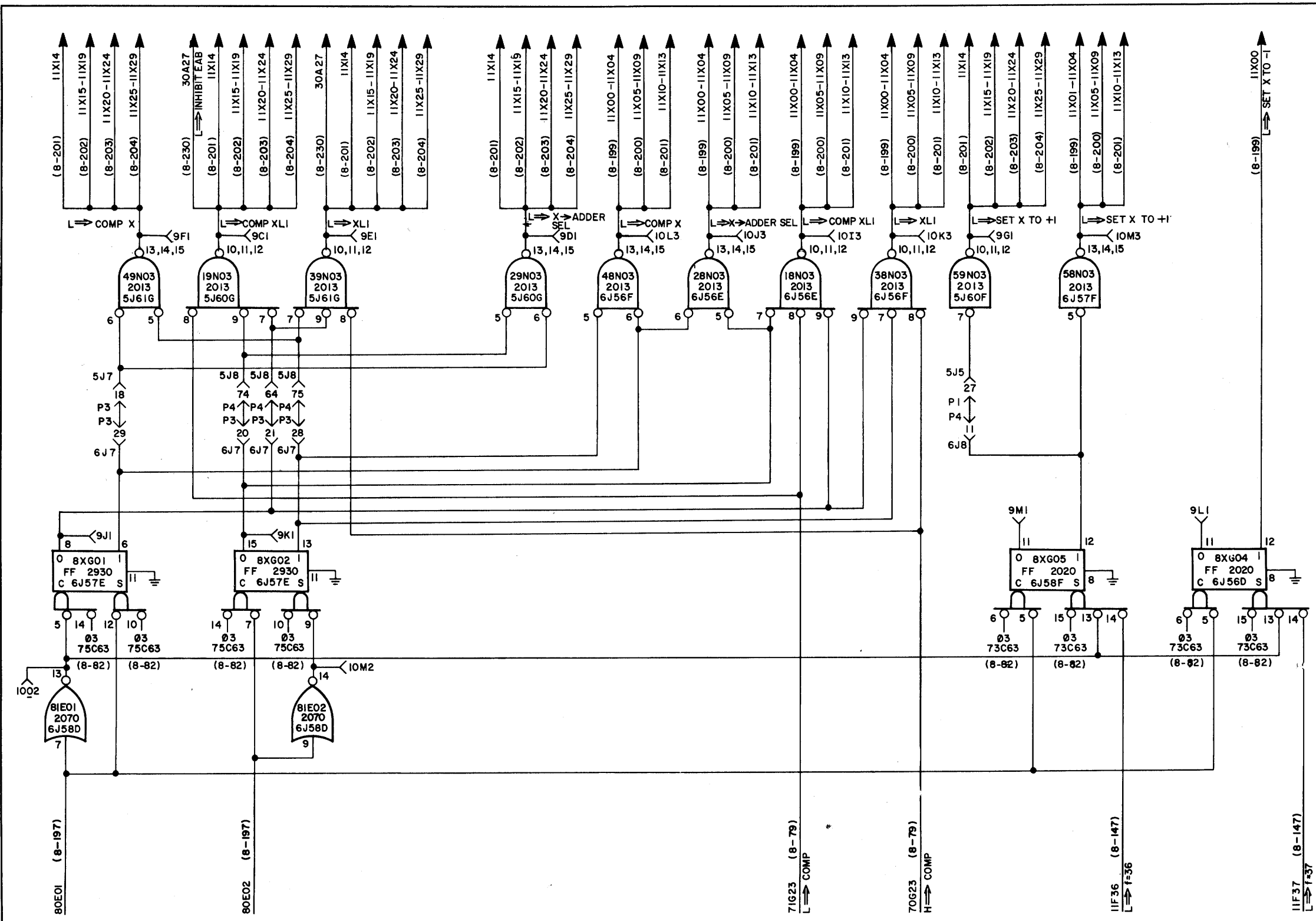


FIGURE 8-196

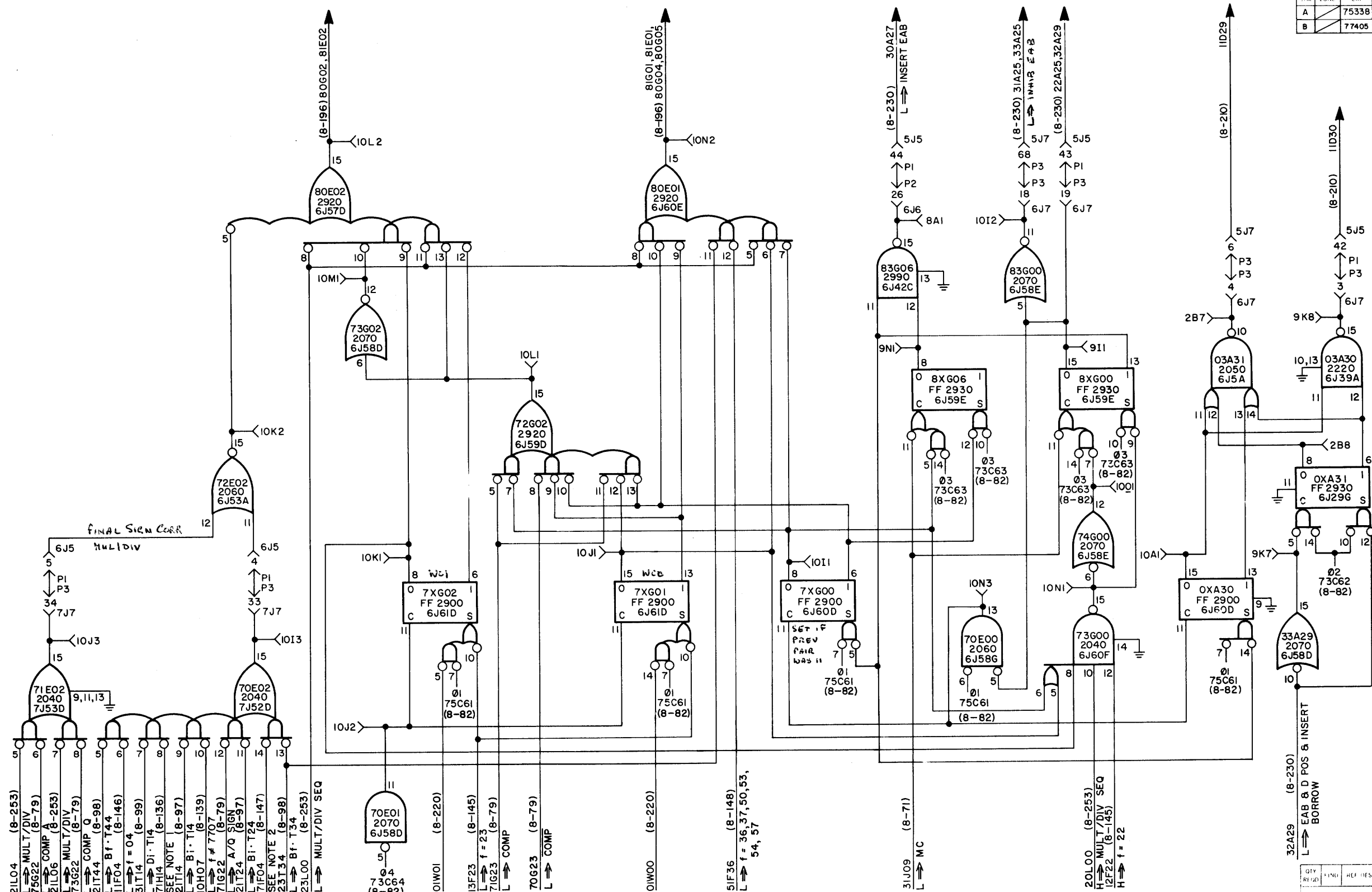
QTY	FIND	REF DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD			IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL						
			DATE	CLASS	UNIVAC DIVISION OF SPERRY RAND CORPORATION	
			8-19-65	A	TITLE	
			L'VAFTSMAN R.R.PFUTZENREUTER		FUNCTIONAL SCHEMATIC, ADDER SELECTOR CONTROL I	
			CHECKER B. POPOV		ENGINEER G. KREGNESS	
			APPROVAL <i>[Signature]</i>		CODE IDENT NO. 90536	
					SIZE D	
					DWG NO. 7032855	
					SCALE	
					WEIGHT	
					SHEET 1 OF 1	

IDENT NO. 7032855-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:
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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES	TOLERANCE ON
2 PLACE DECIMALS	3 PLACE DECIMALS
±	±
HOLE DIAMETER TOLERANCE	
0 THRU .250	.251 THRU .500
+ .003	+ .005
- .002	- .005
ANGLES	
±	±
THREADS: EXT. CL. 2A, INT. CL. 2B	
MATERIAL	FINISH
NEXT ASSY	EQUIPMENT
APPLICATION	
COMMODITY CODE	

REVISIONS				
NO	DATE	DESCRIPTION	CHK	APPROVED
A	75338	SEE EIR		BP 11-9-65
B	77405	SEE EIR		RY 4-25-66



NOTE:
 1. L ⇒ f=(14-16,47)(K=5-7),14K0,15K4
 2. L ⇒ f=04,21,25,27,31,33,35,42,43,46,51,52,55,56

FIGURE 8-197

QTY	RECD	DATE	REF DES	CODE	SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL			
CLASS	DATE	CODE	SIZE
A	6-11-65		

UNIVAC	
DIVISION OF ELECTRONIC CORPORATION	
DESIGNER	TITLE
D.E. LODGE	FUNCTIONAL SCHEMATIC, ADDER SELECTOR CONTROL 2
CHECKER	
B. POPOV	
IN-CHARGE	
G. KREGNESS	
APPROVAL	
CODE IDENT NO. 90536	
SIZE D	WG. NO. 7032856
SCALE	SHEET 1 OF 1

UNIVAC No. 7032856-00

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		71694	SEE EIR		10-28-65	[Signature]
B		69663	SEE EIR		11/30/66	[Signature]
C		77402	SEE EIR		1-4-66	[Signature]

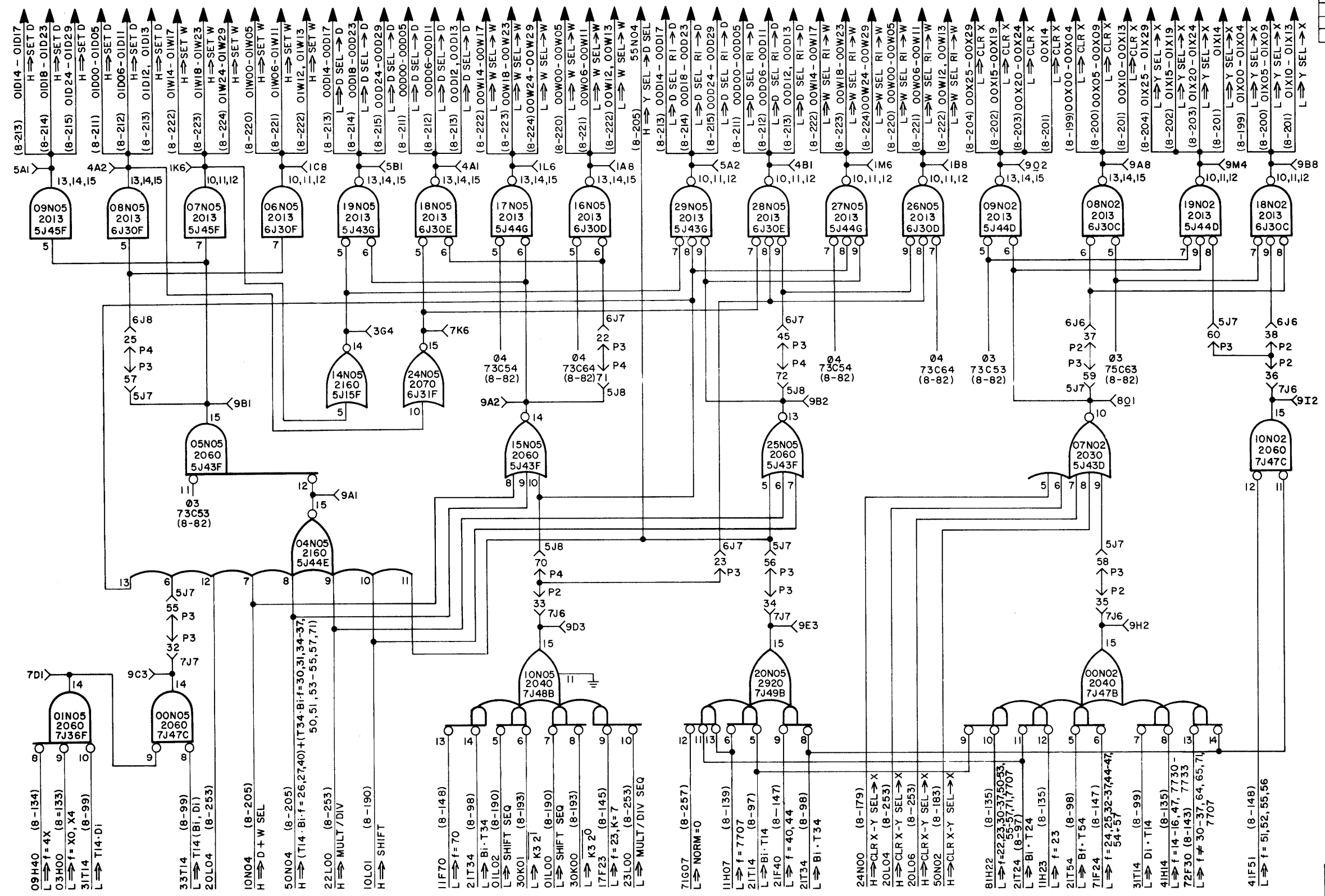


FIGURE 8-198

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						

UNLESS OTHERWISE SPECIFIED		LAYOUT	DATE	CLASS
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS ±		DRAFTSMAN	5-26-65	A
HOLE DIAMETER TOLERANCE		M. M. DROBINSKI		
0 THRU .250 ±.003		CHECKER		
.251 THRU .500 ±.005		B. POPOV		
.501 & LARGER ±.010		ENGINEER		
THREADS, EXT. CL. 2A, INT. CL. 2B		G. KREGNESS		
MATERIAL		APPROVAL		
NEXT ASSY		[Signature]		
EQUIPMENT				
APPLICATION				
COMMODITY CODE				
FINISH				

CODE IDENT NO.	SIZE	DWG NO.
90536	D	7032719
SCALE	WEIGHT	SHEET OF

IDENT NO. 7032719-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DEALT WITH IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION

REVISIONS				CHK	DATE	APPROVED
SYM	ZONE	EIR	DESCRIPTION			
A		71696	SEE EIR		8/22/65	[Signature]

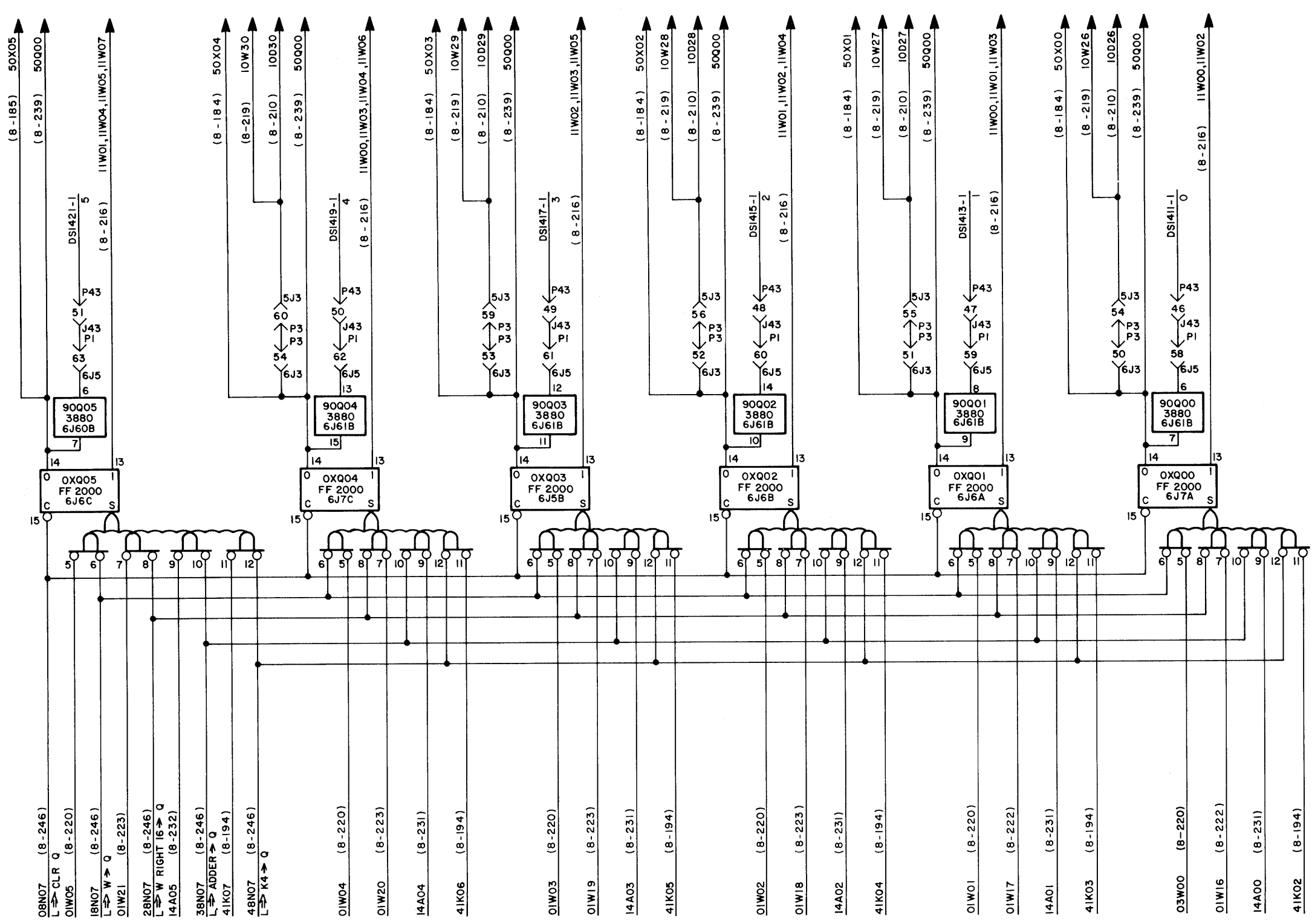


FIGURE 8-248

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						

IDENT NO. 7032770-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES, TOLERANCE ON 2 PLACE DECIMALS	3 PLACE DECIMALS
HOLE DIAMETER TOLERANCE	ANGLES
0 THRU .250	.251 THRU .500
+ .003	+ .005
-.002	-.005
THREADS: EXT. CL. 2A, INT. CL. 2B	
MATERIAL	FINISH

LAYOUT	DATE	CLASS	UNIVAC	
DRAFTSMAN	3-20-65		DIVISION OF SPERRY RAND CORPORATION	
R. NEWMAN			TITLE	
CHECKER	3-22-65		FUNCTIONAL SCHEMATIC, Q REGISTER BITS 00-05	
B. POPOV				
ENGINEER	4-15-65			
G. KREGNESS				
APPROVAL	7-15-65			
[Signature]			CODE IDENT NO.	SIZE
			90536	D
			DWG NO.	7032770
			SCALE	WEIGHT
				SHEET 1 OF 1

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED
A		71696	SEE EIR	6/22/65 [Signature]

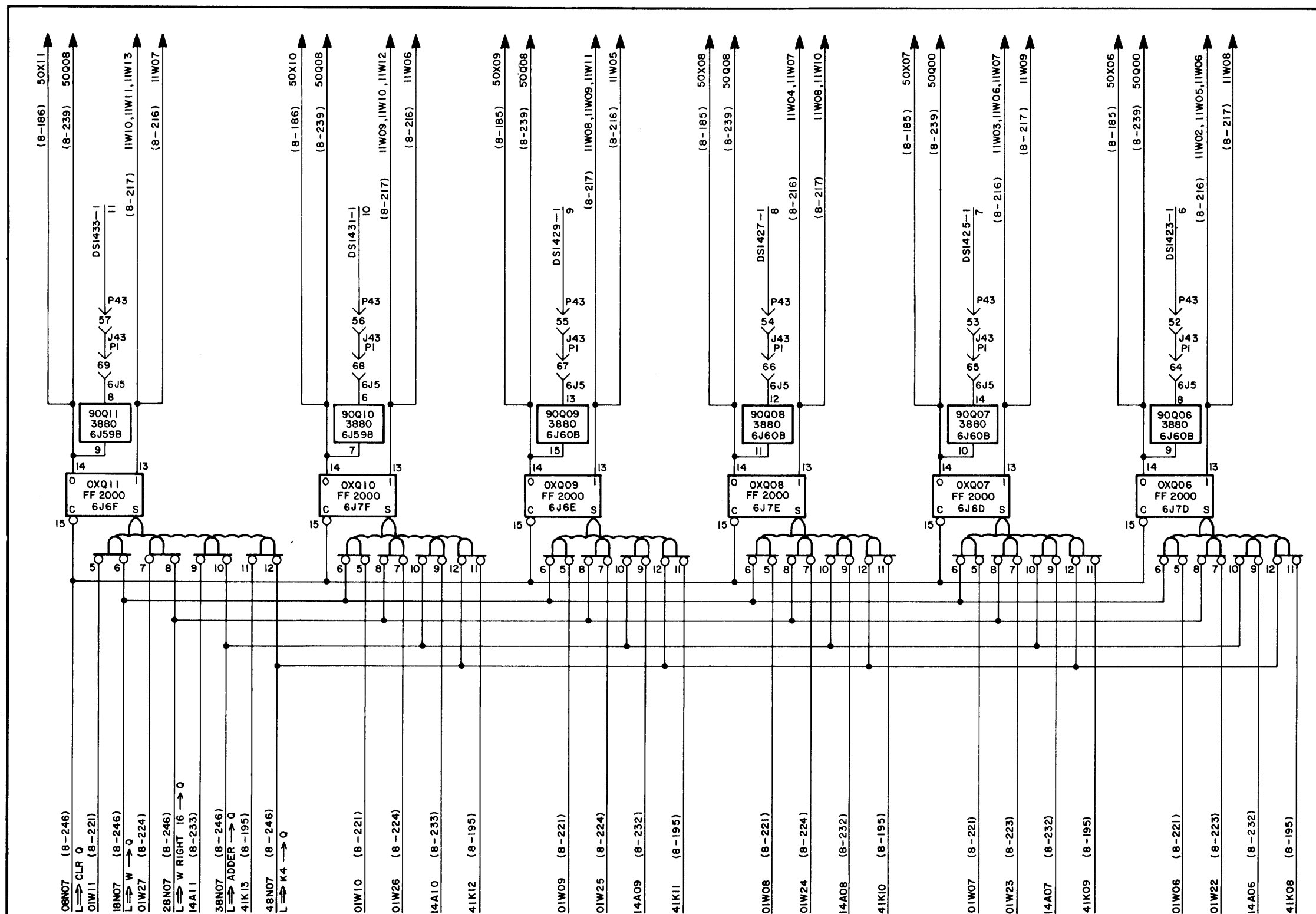


FIGURE 8-249

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	

IDENT NO. 7032771-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DEALT WITH IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION

UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE	CLASS	UNIVAC	
DIMENSION IN INCHES TOLERANCE ON		DRAFTSMAN		3-20-65		DIVISION OF SPERRY RAND CORPORATION	
2 PLACE DECIMALS	3 PLACE DECIMALS	R. NEWMAN				TITLE	
±	±	CHECKER		3-22-65		FUNCTIONAL SCHEMATIC,	
HOLE DIAMETER TOLERANCE		B. POPOV				Q REGISTER BITS 06-11	
0 THRU .250	.251 THRU .500	ENGINEER				CODE IDENT NO.	
+ .003	+ .005	G. KREGNESS		4-15-65		90536	SIZE
- .002	- .005	APPROVAL				D	DWG NO.
± THREADS EXT. CL. INT. CL. 2B		[Signature]				7032771	SCALE
MATERIAL	FINISH	COMMODITY CODE					WEIGHT
							SHEET 1 OF 1

REVISIONS				
NO.	DATE	DESCRIPTION	BY	APP'D.

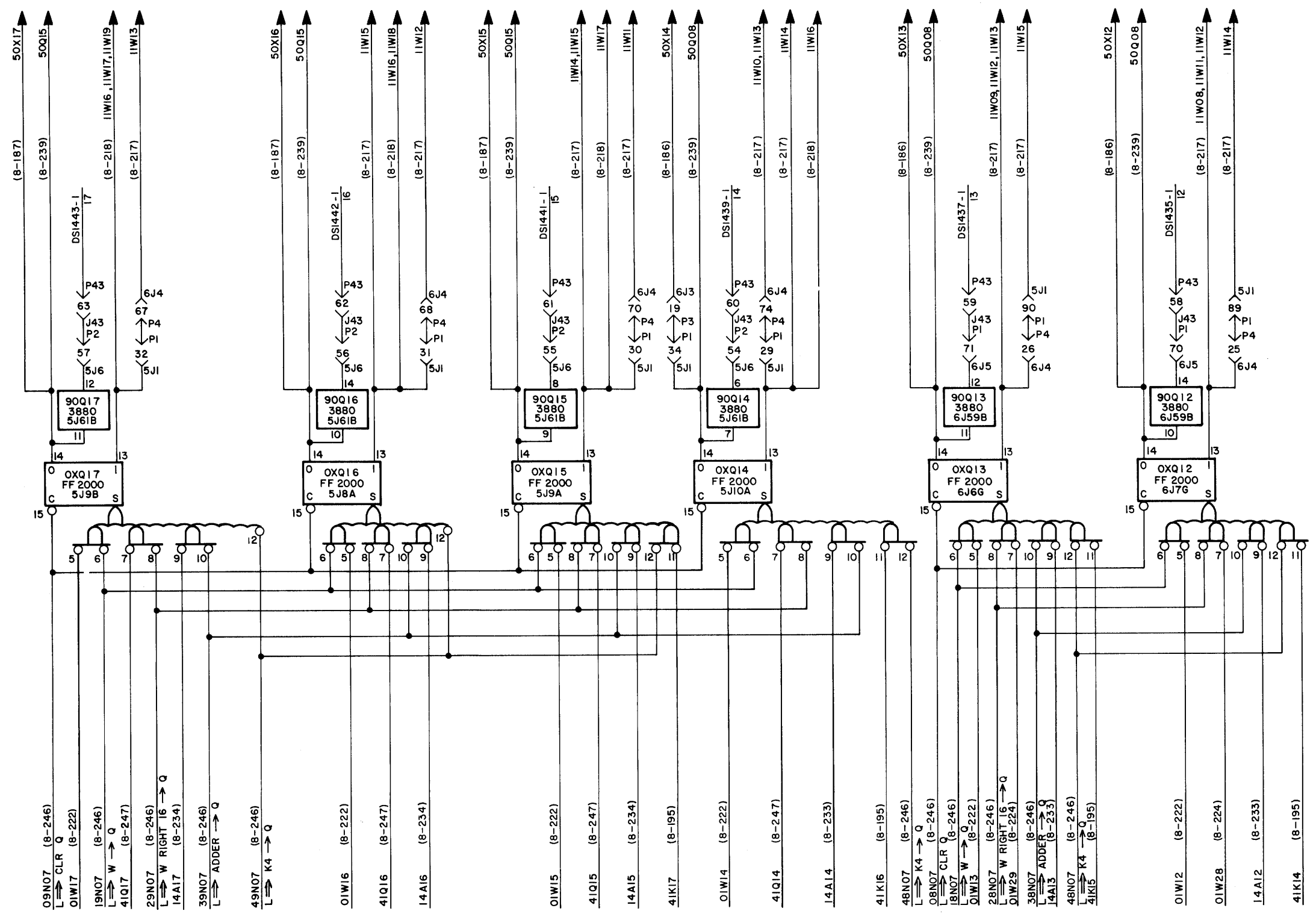


FIGURE 8-250

QTY	FIND	REF DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD			IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL						

IDENT NO. 7032772-00

ON THE UNDERSTANDING THAT THE DRAWING AND THE INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF THE UNITED STATES GOVERNMENT AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM THE UNITED STATES GOVERNMENT.

	LAYOUT		DATE	CLASS	UNIVAC DIVISION OF SPERRY RAND CORPORATION	
	DRAFTSMAN		3/24/60	TITLE		
	CHECKER			FUNCTIONAL SCHEMATIC, Q REGISTER BITS 12-17		
	ENGINEER					
APPROVAL				CODE IDENT NO.	SIZE	DWG NO.
				90536	D	7032772
				SCALE	WEIGHT	SHEET 1 OF 1

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	APPROVED

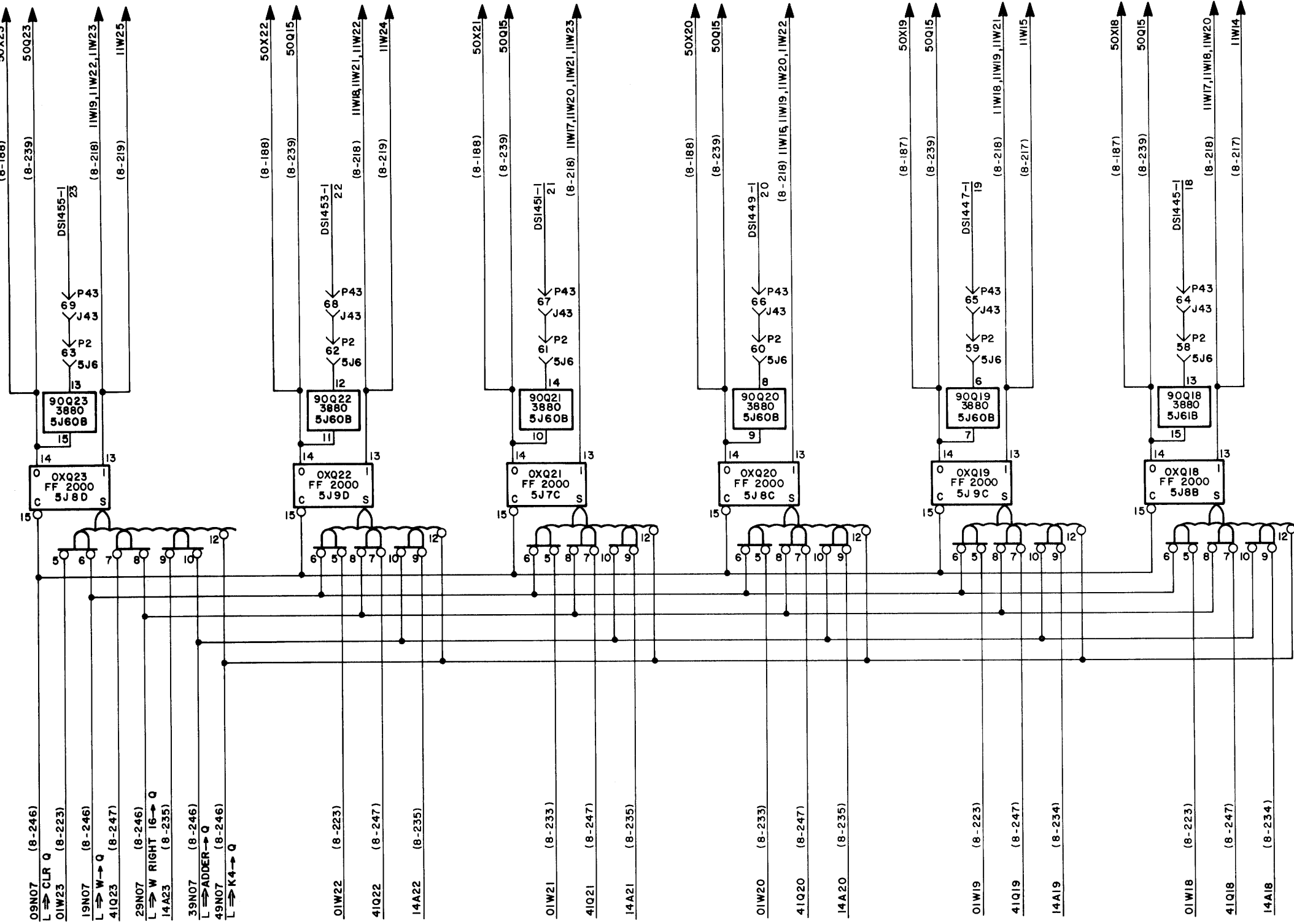


FIGURE 8-251

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDFNT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL							
							UNIVAC DIVISION OF SPERRY RAND CORPORATION
							FUNCTIONAL SCHEMATIC, Q REGISTER BITS 18-23
						CLASS A	
						DATE 3/24/65	
						DRAFTSMAN R. PFUTZENREUTER	
						CHECKER B. POPOV	
						ENGINEER G. KREGNESS	
						APPROVAL <i>G. Kregness</i>	
						CODE IDENT NO. 90536	
						SIZE D	
						DWG NO. 7032773	
						SCALE	
						WEIGHT	
						SHEET	OF 1

IDENT NO. 7032773-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE SPERRY RAND CORPORATION AND IS LOANED TO YOU BY THE SPERRY RAND CORPORATION. IT IS TO BE RETURNED TO THE SPERRY RAND CORPORATION AT THE END OF THE LOAN PERIOD. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.

UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES TOLERANCE OF 2 PLACE DECIMALS			A
3 PLACE DECIMALS			
ANGLES			
HOLE DIAMETER TOLERANCE			
0 THRU .50			
.501 THRU .500			
.501 & LARGER			
003			
002			
001			
THREADS: ENGLISH			
INT. CI. 2B			
MATERIAL			
FINISH			
APPLICATION			
COMMUNITY CODE			

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		71696	SEE EIR			<i>[Signature]</i>

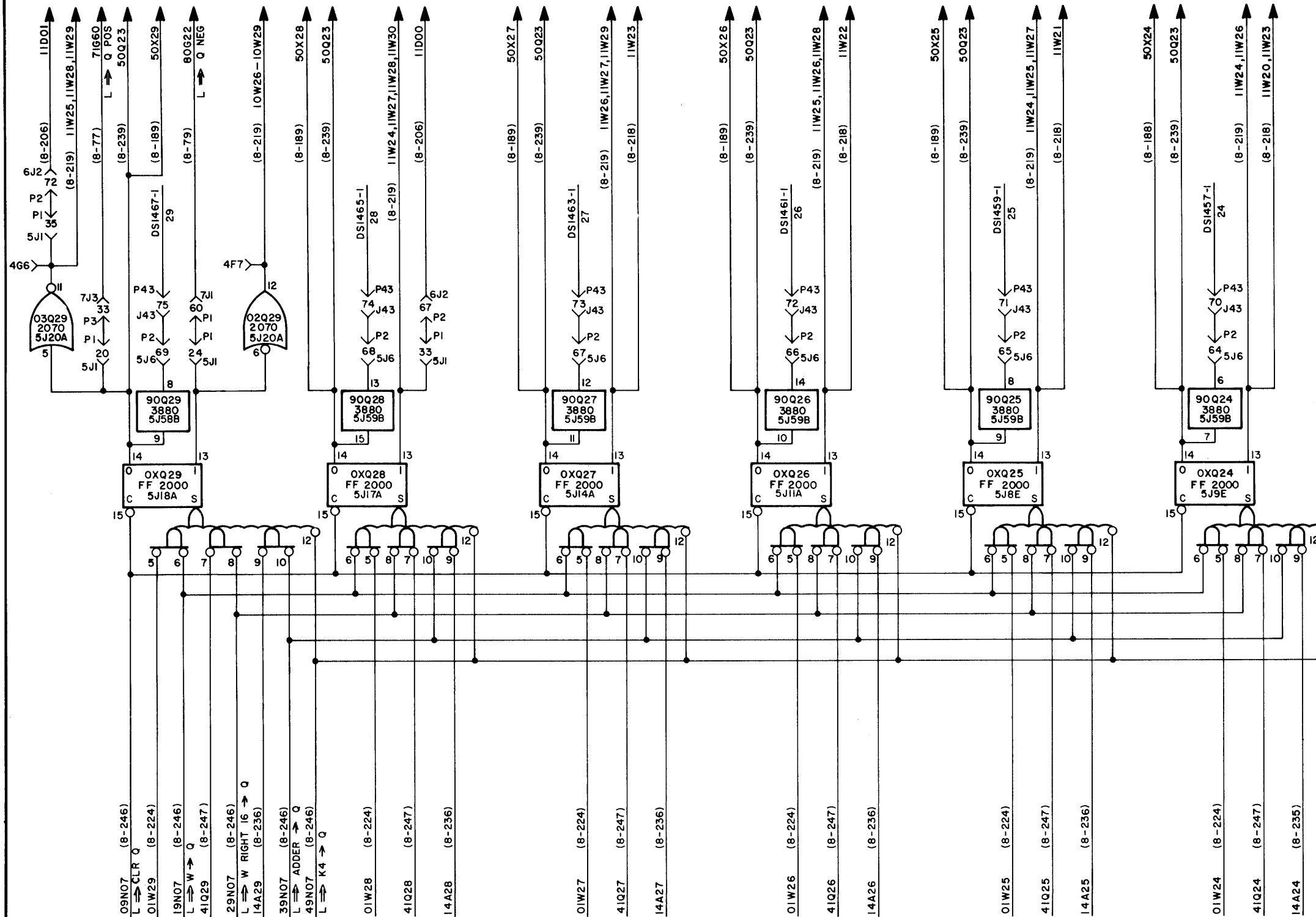


FIGURE 8-252

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
				DATE	CLASS	UNIVAC DIVISION OF SPERRY RAND CORPORATION
				3/24/65		
				DRAFTSMAN	FUNCTIONAL SCHEMATIC, Q REGISTER BITS 24 - 29	
				R. PFUTZENREUTER		
				CHECKER	90536 D 7032774	
				B. POPOV		
				ENGINEER	9-15-65	
				G. KREGNESS		
				APPROVAL	9-15-65	
				<i>[Signature]</i>		

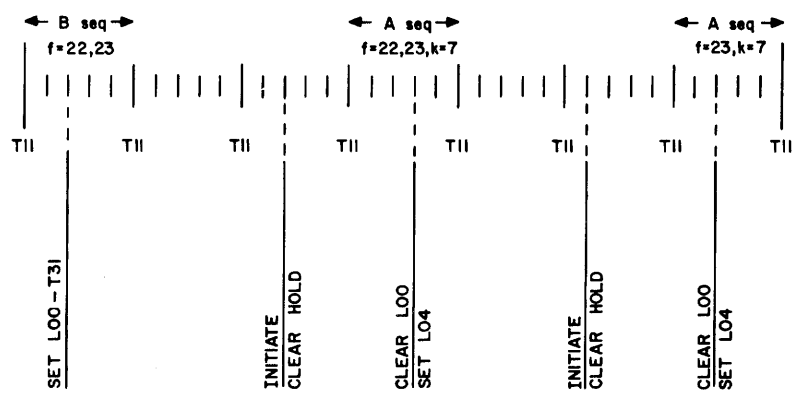
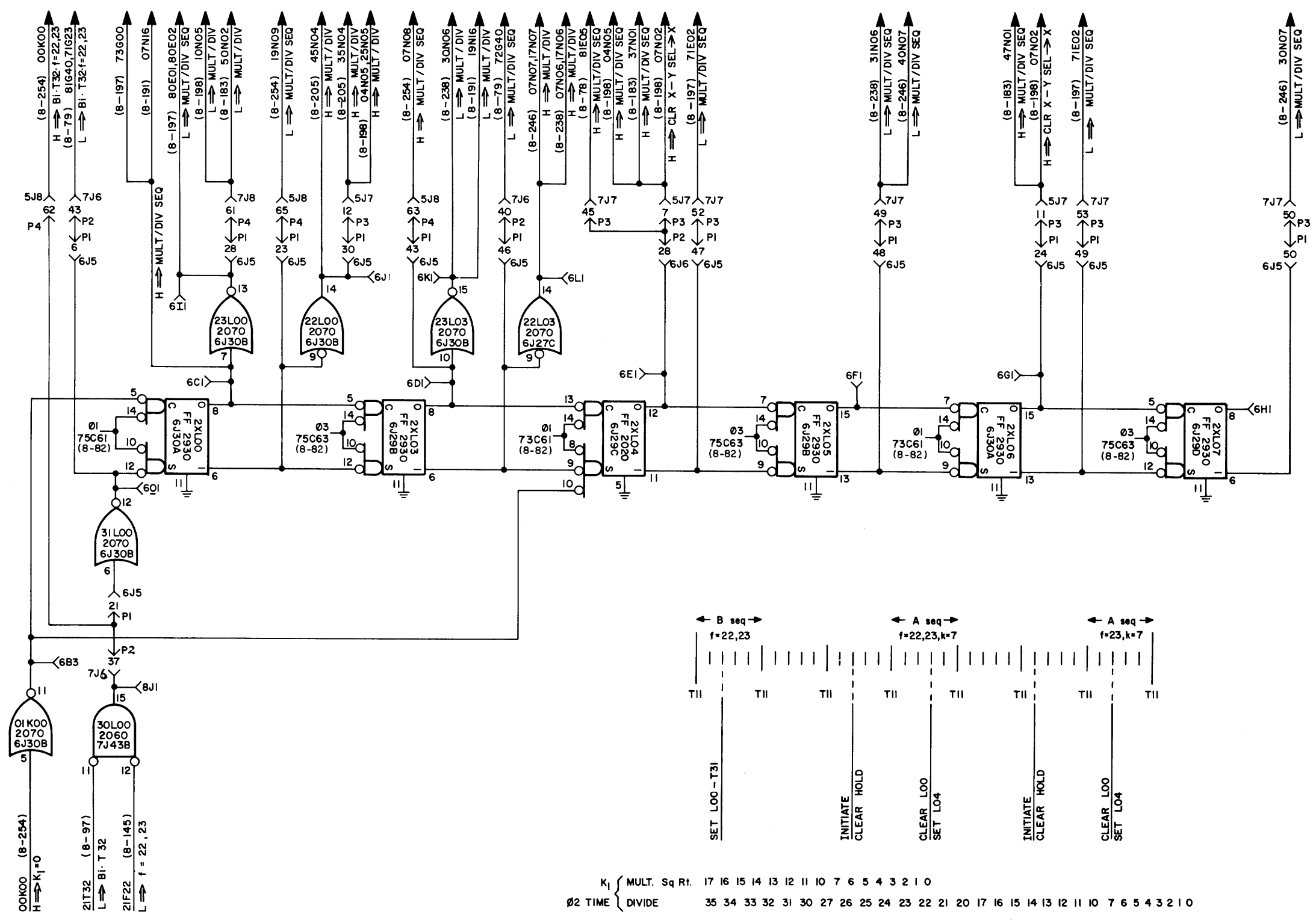
IDENT NO. 7032774 - 00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT.

ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DEALT WITH IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES	TOLERANCE UNLESS OTHERWISE SPECIFIED
PLACE DECIMALS	3 PLACE DECIMALS
ANGLES	±
HOLE DIAMETER TOLERANCE	±
0 THRU .750	± .005
.751 THRU .501 & LARGER	± .010
THREADS EXPT. CL. 2A, INT. CL. 2B	± .005
MATERIAL	
FINISH	
APPLICATION	
COMMODITY CODE	

REVISIONS				CHK	DATE	APPROVED
SYM	ZONE	EIR	DESCRIPTION			
A		71696	SEE EIR			



K_1 { MULT. Sq Rt. 17 16 15 14 13 12 11 10 7 6 5 4 3 2 1 0
 Ø2 TIME DIVIDE 35 34 33 32 31 30 27 26 25 24 23 22 21 20 17 16 15 14 13 12 11 10 7 6 5 4 3 2 1 0

FIGURE 8-253

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

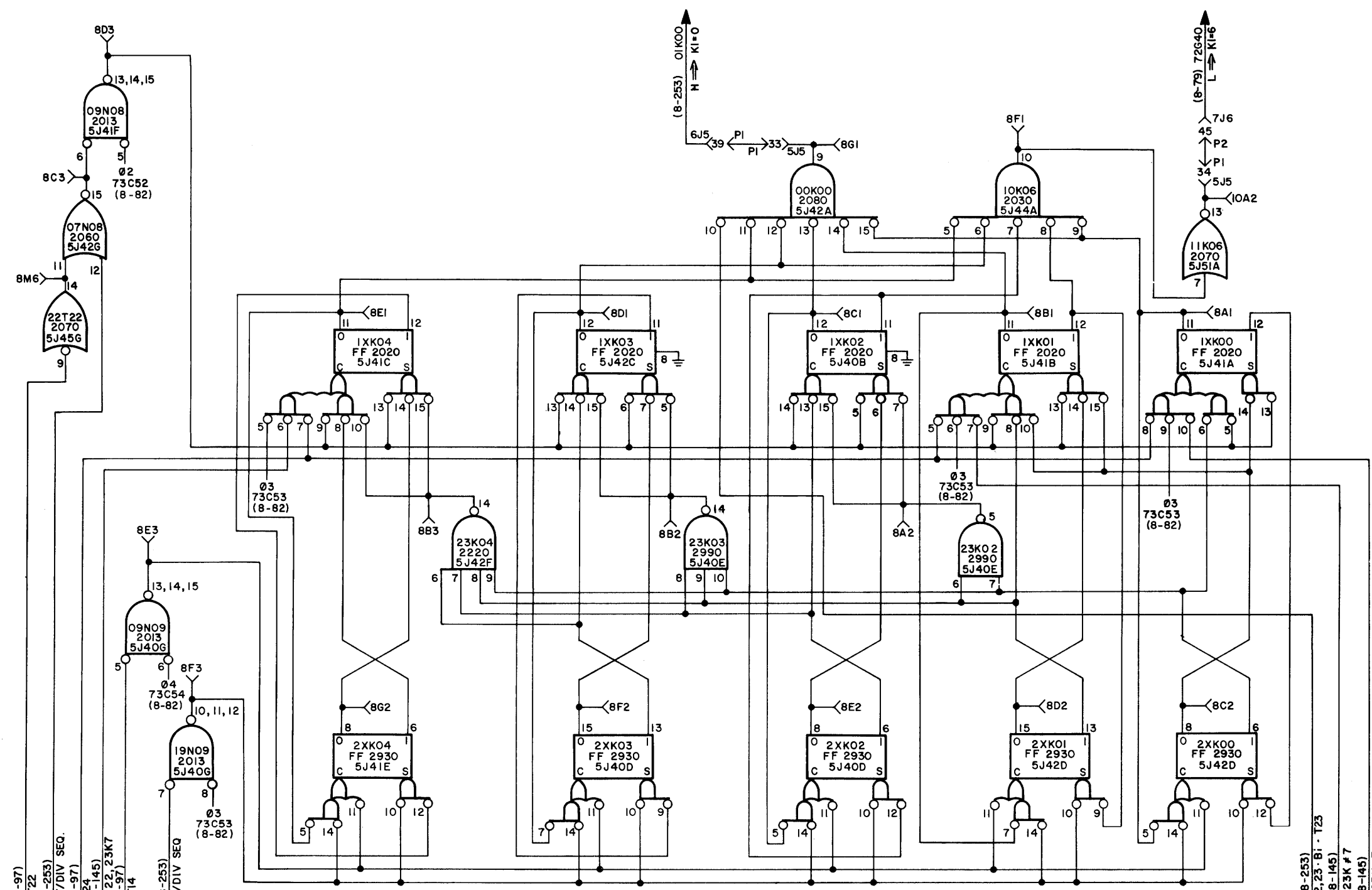
LIST OF MATERIAL			
CLASS	DATE	UNIVAC	
A	5-21-65	DIVISION OF SPERRY RAND CORPORATION	
DRAFTSMAN	CHECKER	TITLE	
D. C. WHEELER	B. POPOV	FUNCTIONAL SCHEMATIC, MULT / DIVIDE / SQ ROOT SEQUENCE	
ENGINEER	APPROVAL	CODE IDENT NO.	DWG NO.
G. KREGNESS	<i>[Signature]</i>	90536	7032849
SCALE	WEIGHT	SHEET 1 OF 1	

IDENT NO. 7032849-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:
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UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES: TOLERANCE OR FINISH
2 PLACE DECIMALS
3 PLACE DECIMALS
ANGLES
HOLE DIAMETER TOLERANCE
0 THRU .250
.251 THRU .500
.501 & LARGER
THREADS: EXCEPT AS NOTED, INT CL 2B
MATERIAL
FINISH
APPLICATION
EQUIPMENT
COMMODITY CODE

REVISIONS				DATE	APPROVED
SYM	ZONE	EIR	DESCRIPTION		
A		71696	SEE EIR		<i>[Signature]</i>



21T22 (8-97)
 L → BI · T22
 20L03 (8-253)
 H → MULT/DIV SEQ.
 21T24 (8-97)
 L → BI · T24
 25F22 (8-145)
 L → f = 22, 23K7
 21T14 (8-97)
 L → BI · T14
 21L00 (8-253)
 L → MULT/DIV SEQ.

30L00 (8-253)
 H → f = 22, 23 · BI · T23
 19F23 (8-145)
 L → f = 23K #7
 17F23 (8-145)
 L → f = 23K #7

FIGURE 8-254

IDENT NO. 7032850-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:
 ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DEALT WITH IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

UNLESS OTHERWISE SPECIFIED				LAYOUT		DATE		CLASS	
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS		TOLERANCE ON 3 PLACE DECIMALS		DRAFTSMAN		DATE		CLASS	
± .003		± .005		F. MANNING		5-26-60		A	
± .002		± .003		CHECKER					
± .001		± .002		B. POPOV		9-15-60			
± .0005		± .001		ENGINEER					
± .0002		± .0005		G. KREGNESS		9-15-60			
± .0001		± .0002		APPROVAL					
± .00005		± .0001		<i>[Signature]</i>					
± .00002		± .00005							
± .00001		± .00002							
± .000005		± .00001							
± .000002		± .000005							
± .000001		± .000002							
± .0000005		± .000001							
± .0000002		± .0000005							
± .0000001		± .0000002							
± .00000005		± .0000001							
± .00000002		± .00000005							
± .00000001		± .00000002							
± .000000005		± .00000001							
± .000000002		± .000000005							
± .000000001		± .000000002							
± .0000000005		± .000000001							
± .0000000002		± .0000000005							
± .0000000001		± .0000000002							
± .00000000005		± .0000000001							
± .00000000002		± .00000000005							
± .00000000001		± .00000000002							
± .000000000005		± .00000000001							
± .000000000002		± .000000000005							
± .000000000001		± .000000000002							
± .0000000000005		± .000000000001							
± .0000000000002		± .0000000000005							
± .0000000000001		± .0000000000002							
± .00000000000005		± .0000000000001							
± .00000000000002		± .00000000000005							
± .00000000000001		± .00000000000002							
± .000000000000005		± .00000000000001							
± .000000000000002		± .000000000000005							
± .000000000000001		± .000000000000002							
± .0000000000000005		± .000000000000001							
± .0000000000000002		± .0000000000000005							
± .0000000000000001		± .0000000000000002							

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL	DATE	CLASS	TITLE
UNIVAC		A	FUNCTIONAL SCHEMATIC, MULT/DIVIDE/SQ. ROOT COUNTER

CODE IDENT NO.	SIZE	DWG NO.
90536	D	7032850

SCALE	WEIGHT	SHEET	OF
		1	1

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED
A	E11952	B	SKIP INSTRUCTION CORRECTION	

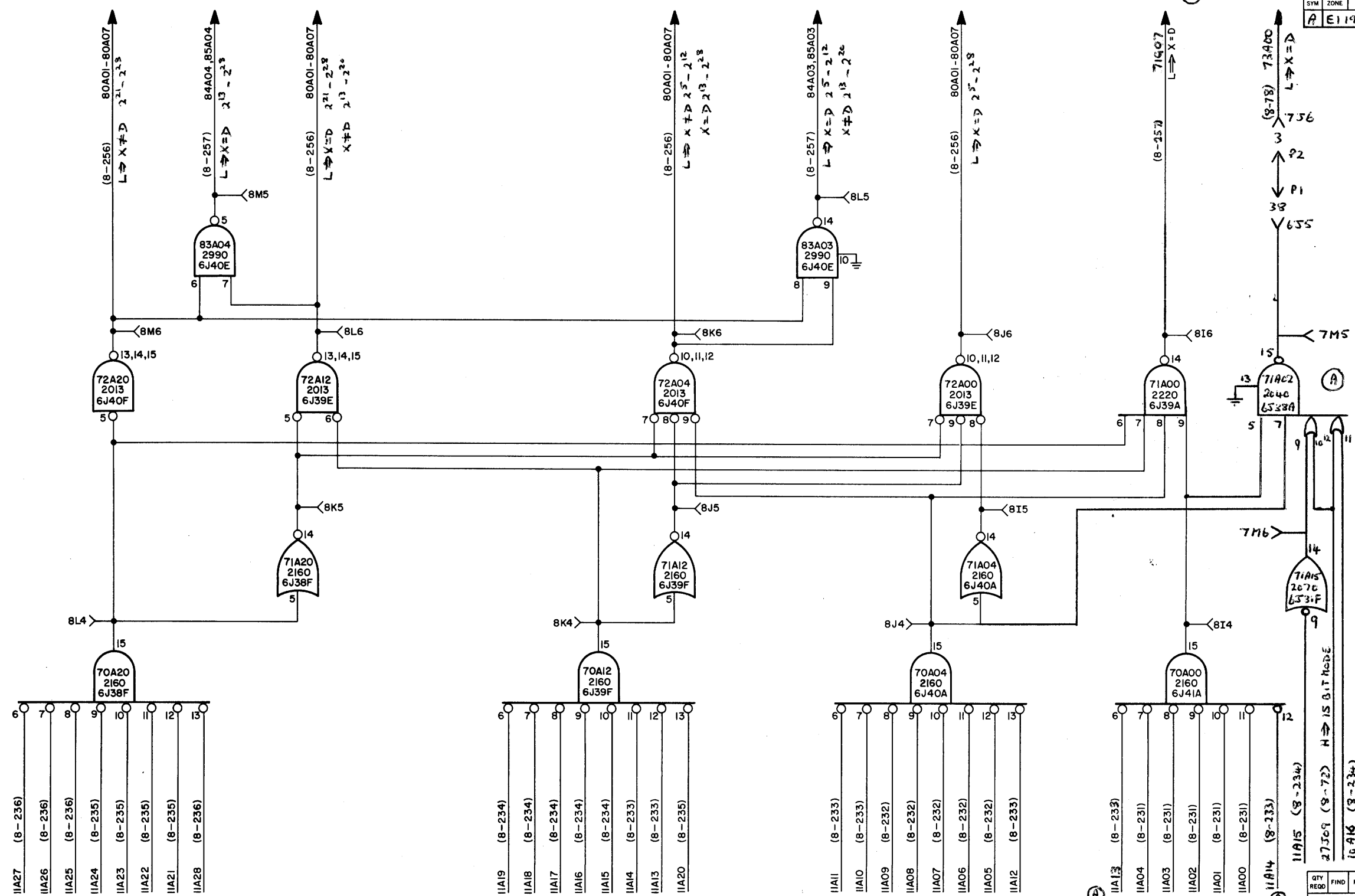


FIGURE 8-255

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

UNIVAC		DATE	CLASS
DIVISION OF SPERRY RAND CORPORATION		5-17-65	A
DRAFTSMAN		TITLE	
M. MOSENG		FUNCTIONAL SCHEMATIC, NORMALIZE GROUP DETECTION	
CHECKER		ENGINEER	
B. POPOV		G. KREGNESS	
APPROVAL		SCALE	
DUK...		9-15-65	
CODE IDENT NO.	SIZE	DWG NO.	
90536	D	7032842	
SCALE	WEIGHT	SHEET	OF 1

IDENT NO. 7032842-00

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UNLESS OTHERWISE SPECIFIED		
DIMENSION IN INCHES	TOLERANCE ON 2 PLACE DECIMALS	TOLERANCE ON 3 PLACE DECIMALS
	± .005	± .001
HOLE DIAMETER TOLERANCE		
0 THRU .250	.251 THRU .500	.501 & LARGER
+ .003	+ .005	+ .010
- .002	- .005	- .005
THREADS: EXT. CL. 2A, INT. CL. 2B		
MATERIAL	FINISH	
APPLICATION	EQUIPMENT	
COMMODITY CODE		

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED
A		71696	SEE EIR	8/23/65 [Signature]

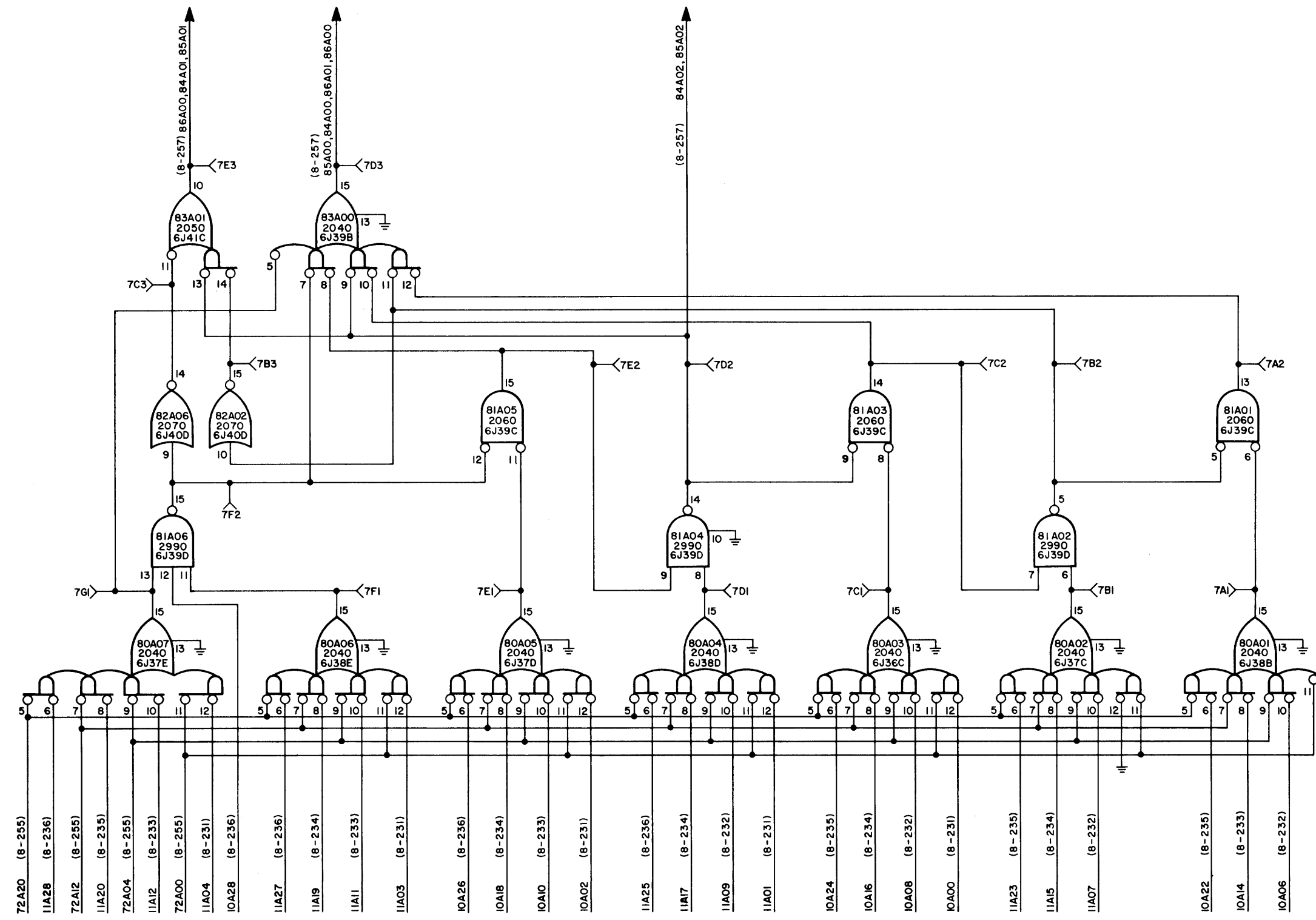


FIGURE 8-256

QTY	REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL							

PART NO. IDENT NO. 7032844-00		UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCE ON 2 PLACE DECIMALS .005 ANGLES ± .5 HOLE DIAMETER TOLERANCE 0 THRU .250 .001 .251 THRU .500 .0015 .501 & LARGER +.003 +.005 .010 THREADS EXCEPT INT CL 2B		LAYOUT DATE CLASS	UNIVAC DIVISION OF SPERRY RAND CORPORATION	
THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT		MATERIAL FINISH		DRAFTSMAN D.R. MUHS	4-23-65	TITLE FUNCTIONAL SCHEMATIC, NORMALIZE STAGE DETECTION
ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE REPRODUCED IN ANY MANNER EXCEPT FOR THE PURPOSES OF THE INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION		APPLICATION		CHECKER B. POPOV	[Signature]	ENGINEER G. KREGNESS
NEXT ASSEMBLY EQUIPMENT		COMMODITY CODE		APPROVAL [Signature]	9-15-66	CODE IDENT NO. SIZE DWG NO. 90536 D 7032844
SCALE		WEIGHT		SHEET 1 OF 1		

REVISIONS				
SYM	ZONE	ERR	DESCRIPTION	APPROVED

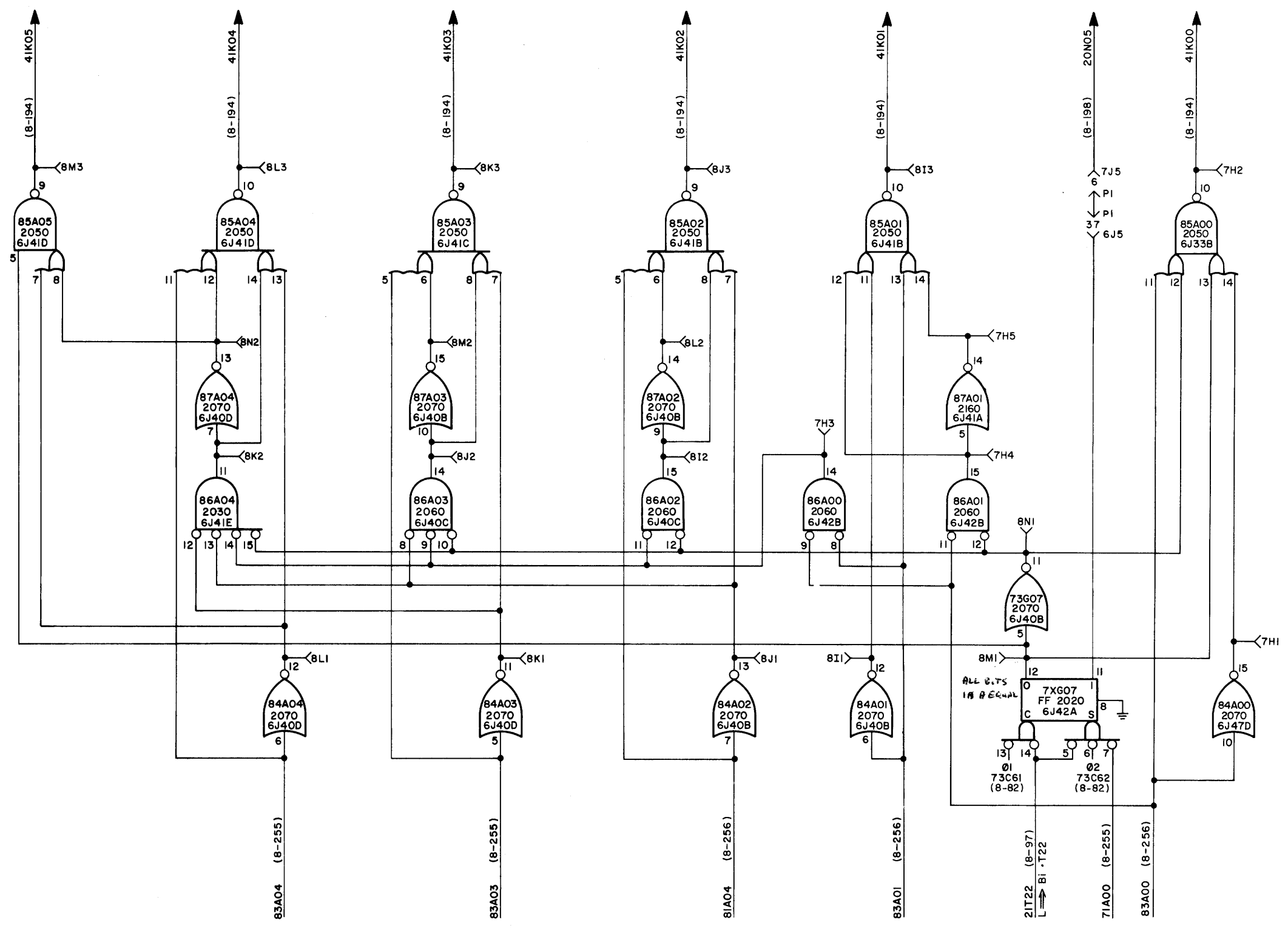


FIGURE 8-257

QTY	FIND	REF DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD			IDENT	SIZE	IDENTIFYING NO.	

IDENT NO. 7032843-00

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UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCE ON 2 PLACE DECIMALS .005 3 PLACE DECIMALS .001 4 PLACE DECIMALS .0005 HOLE DIAMETER TOLERANCE 0 THRU .250 .001 .251 THRU .500 .002 .501 THRU 1.000 .003 1.001 THRU 2.000 .004 2.001 THRU 5.000 .005 5.001 THRU 10.000 .007 10.001 THRU 30.000 .010 30.001 THRU 100.000 .015 100.001 THRU 500.000 .020 500.001 THRU 1000.000 .030 MATERIAL FINISH	LAYOUT DATE CLASS TITLE CHECKER ENGINEER APPROVAL	DATE CLASS TITLE CHECKER ENGINEER APPROVAL	PART OR IDENTIFYING NO. NOMENCLATURE OR DESCRIPTION
		GRAFTSMAN V. STEEBER 4-26-66	UNIVAC DIVISION OF SPERRY RAND CORPORATION
		CHECKER B. POPOV 9-15-66	FUNCTIONAL SCHEMATIC, NORMALIZE OUTPUTS
		ENGINEER G. KREGNESS 9-15-66	CODE IDENT NO. 90536 SIZE D DWG NO. 7032843

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVED
A		77403	SEE EIR	1-28-64	<i>[Signature]</i>

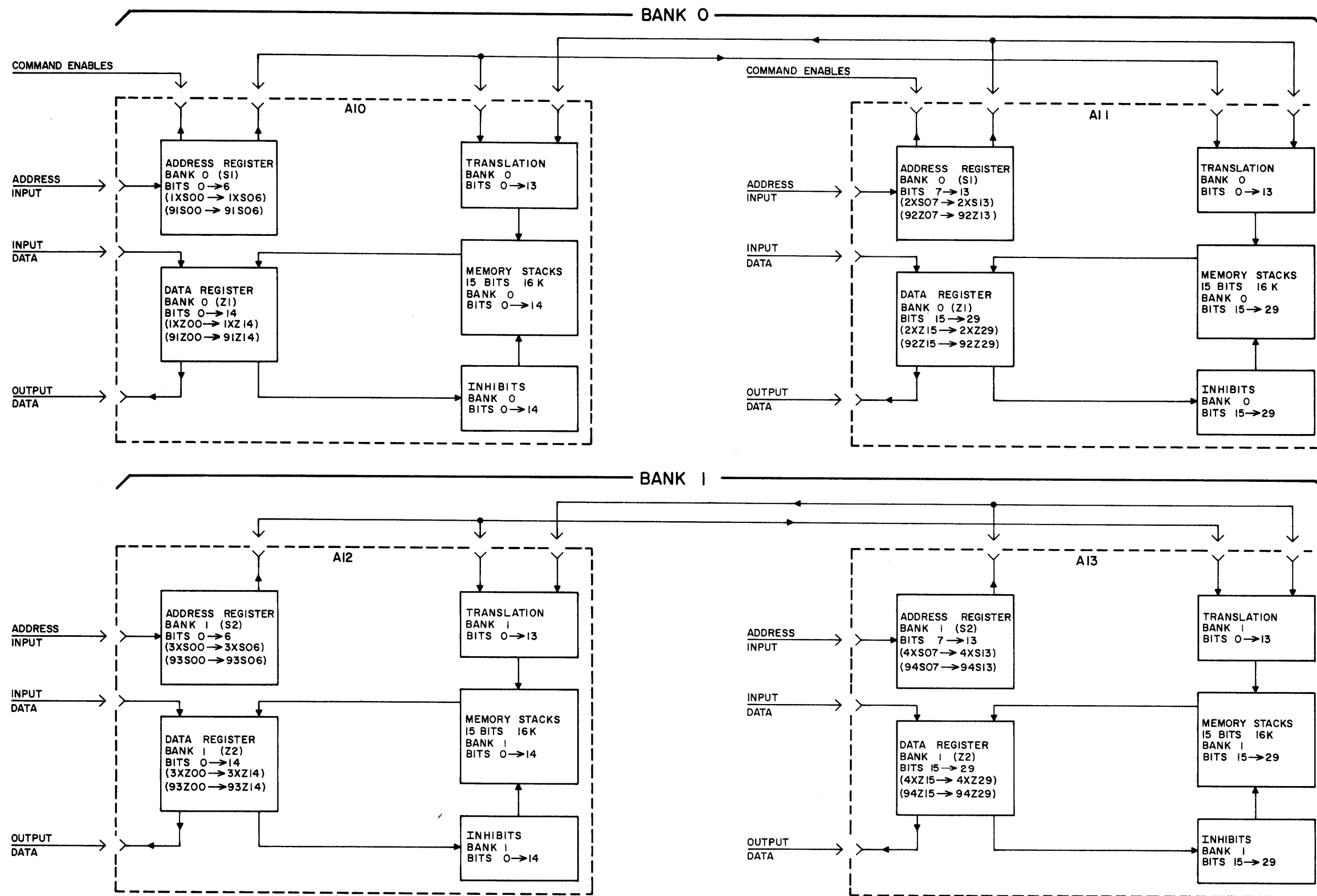


FIGURE 8-258

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						

IDENT NO. 7032766-00

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UNLESS OTHERWISE SPECIFIED		
DIMENSION IN INCHES	TOLERANCE ON 2 PLACE DECIMALS	TOLERANCE ON 3 PLACE DECIMALS
±	±	±
HOLD DIAMETER TOLERANCE		
0 THRU .250	.251 THRU .500	.501 & LARGER
+ .003	+ .005	+ .010
- .002	- .003	- .005
THREADS: EXPT. CL. 2A, INT. CL. 2B		
NEXT ASSEMBLY	EQUIPMENT	MATERIAL
APPLICATION		FINISH
COMMODITY CODE		

LAYOUT	DATE	CLASS	TITLE
DRAFTSMAN D.C. WHEELER	8-19-65	A	BLOCK DIAGRAM, COMPUTER MAIN MEMORY
CHECKER B. POPOV			
ENGINEER R. SVOBODNY			
APPROVAL <i>[Signature]</i>			
CODE IDENT NO.	SIZE	DWG NO.	
90536	D	7032766	
SCALE	WEIGHT	SHEET	OF 1

REVISIONS				CHK	DATE	APPROVED
SYM	ZONE	EIR	DESCRIPTION			
A		71696	SEE EIR			<i>[Signature]</i>

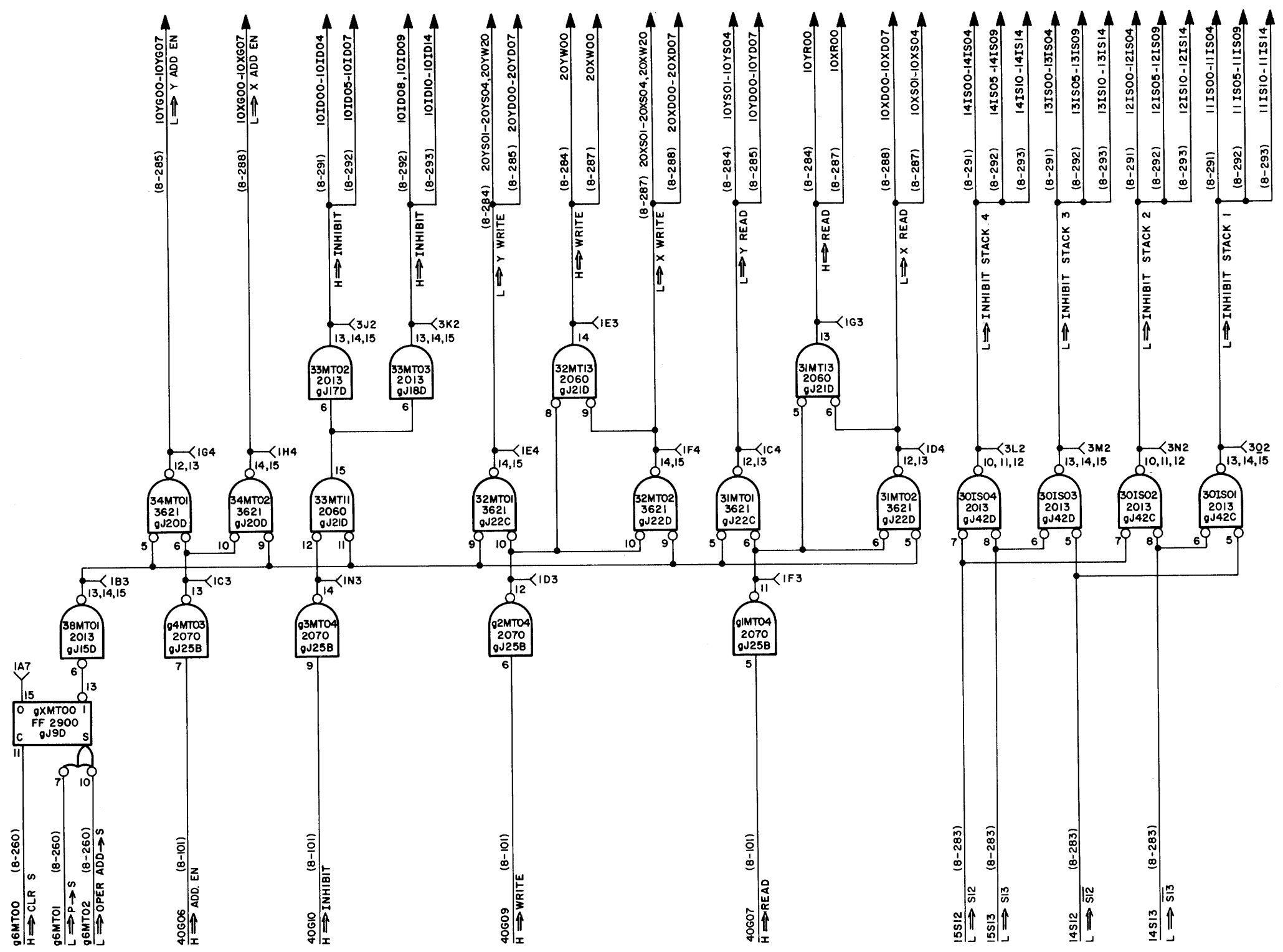


FIGURE 8-259

IDENT NO. 7032758-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:
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QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNLESS OTHERWISE SPECIFIED		DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS		3 PLACE DECIMALS		ANGLES
HOLE DIAMETER TOLERANCE		0 THRU .250		.251 THRU .500		.501 & LARGER
		+.003		+.005		+.010
		-.002		-.005		-.005
THREADS: EXT. CL. 2A, INT. CL. 2B						
MATERIAL		FINISH		LAYOUT		
NEXT ASST		EQUIPMENT		DATE		CLASS
APPLICATION		COMMODITY CODE		8-17-65		A
				DRAFTSMAN		V. STEEBER
				CHECKER		B. POPOV
				ENGINEER		R. SVOBODYNY
				APPROVAL		<i>[Signature]</i>
				CODE IDENT NO.		90536
				SIZE		D
				DWG NO.		7032758
				SCALE		
				WEIGHT		
				SHEET		1 OF 1

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVED
A		71696	SEE EIR		
B	4002		CDM AND EI STATUS LOGIC CORRECTION		

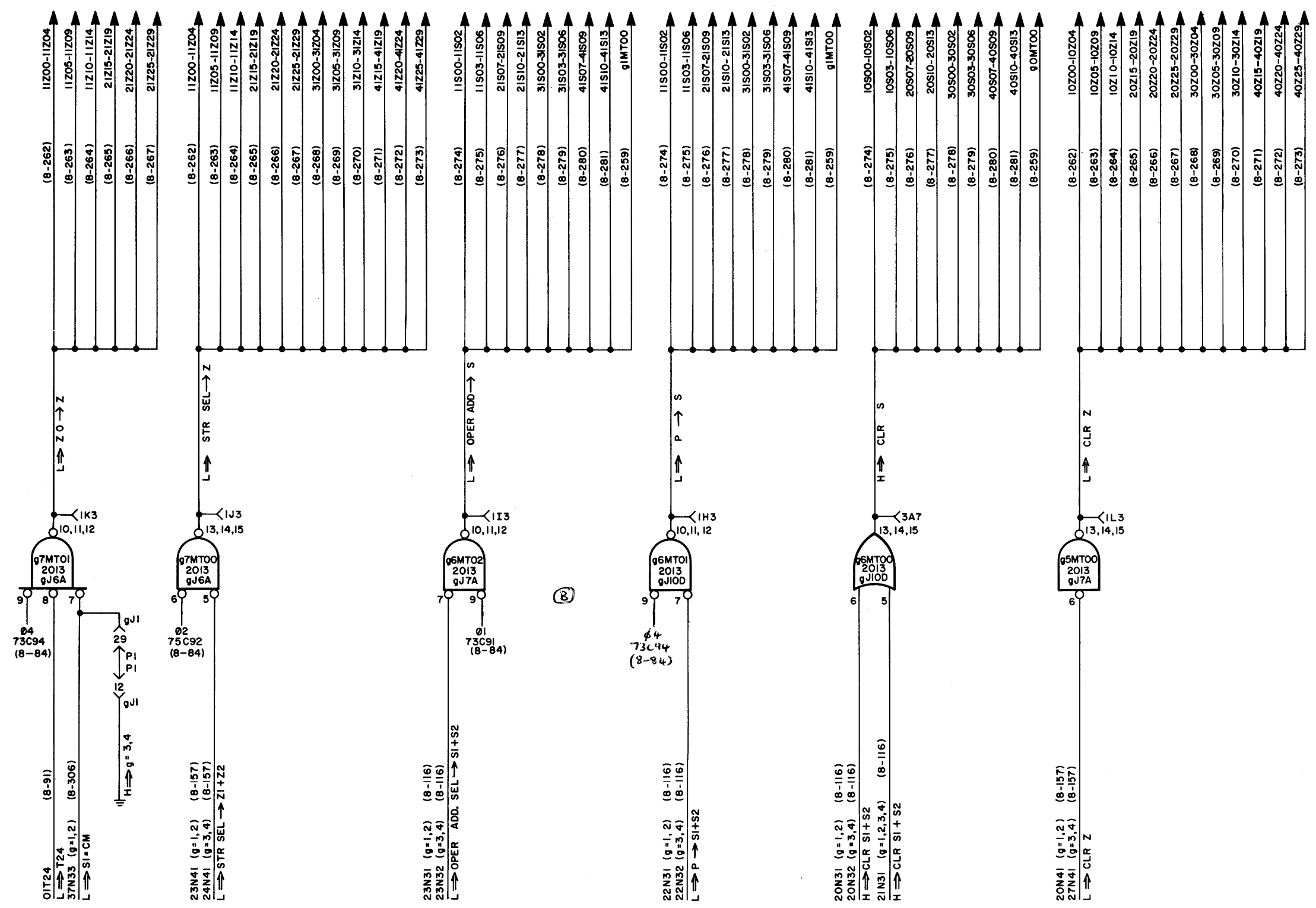


FIGURE 8-260

PART NO. 7032759-00

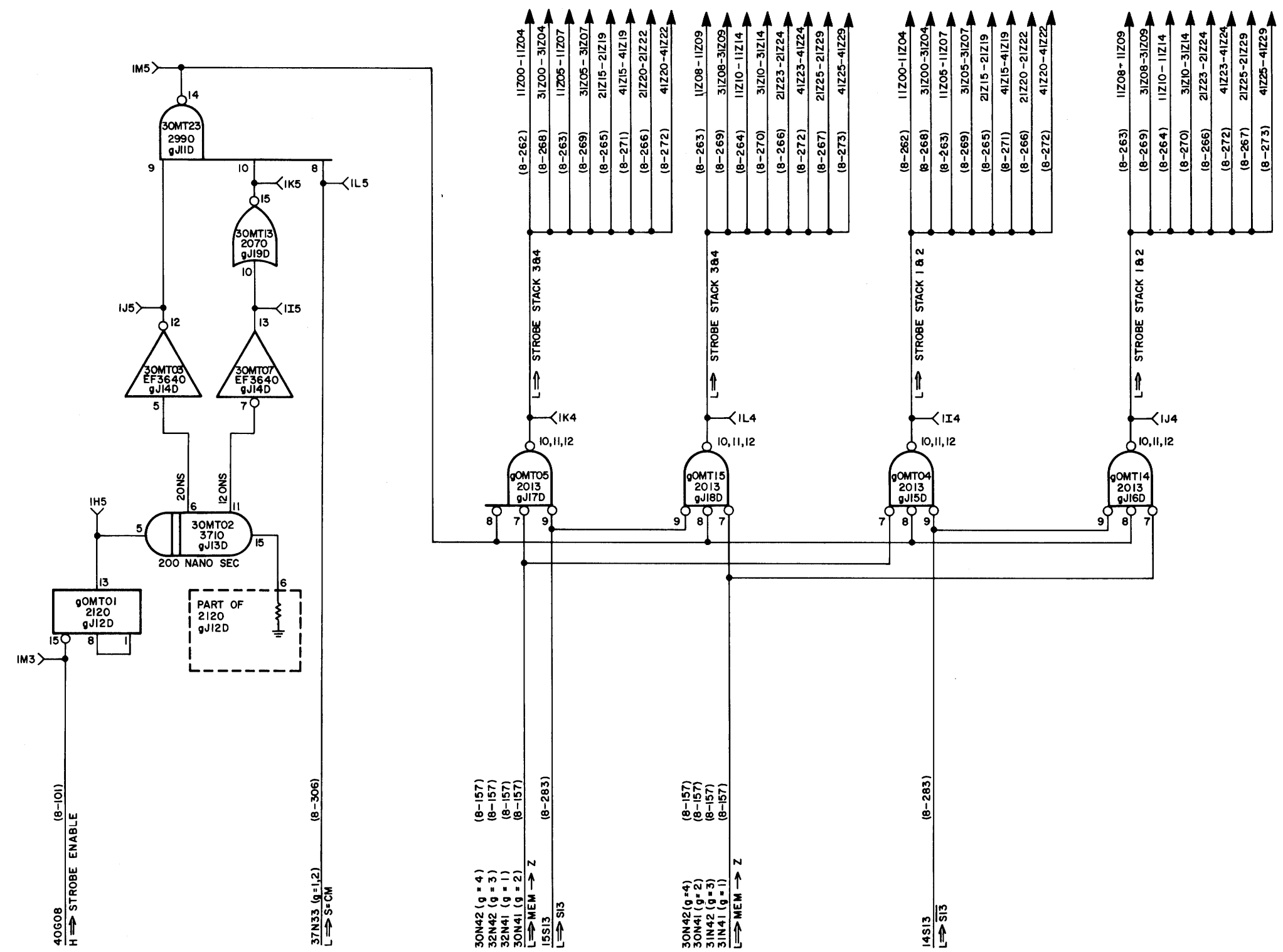
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QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS ± .005 3 PLACE DECIMALS ± .001 ANGLES ± .005	LAYOUT	DATE	CLASS	
		9-15-50	A	
HOLE DIAMETER TOLERANCE 0 THRU .250 ± .005 .251 THRU .500 ± .005 .501 THRU 1.000 ± .010 1.001 THRU 3.000 ± .015 3.001 & LARGER ± .020	MATERIAL	DRAFTSMAN	W.E. BOIKE	
		CHECKER	B. POPOV	
THREADS: EXT. CL. 2A, INT. CL. 2B	FINISH	ENGINEER	R. SVOBODNY	
		APPROVAL	<i>[Signature]</i>	
COMMODITY CODE		CODE IDENT NO.	SIZE	DWG NO.
		90536	D	7032759
		SCALE	WEIGHT	SHEET OF

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVED
A		71696	SEE EIR		<i>[Signature]</i>



NOTE:

g	*	**
1	A10	
2		A11
3	A12	
4		A13

EACH CLASSIC
FIGURE 8-261

IDENT NO. 7032760-00

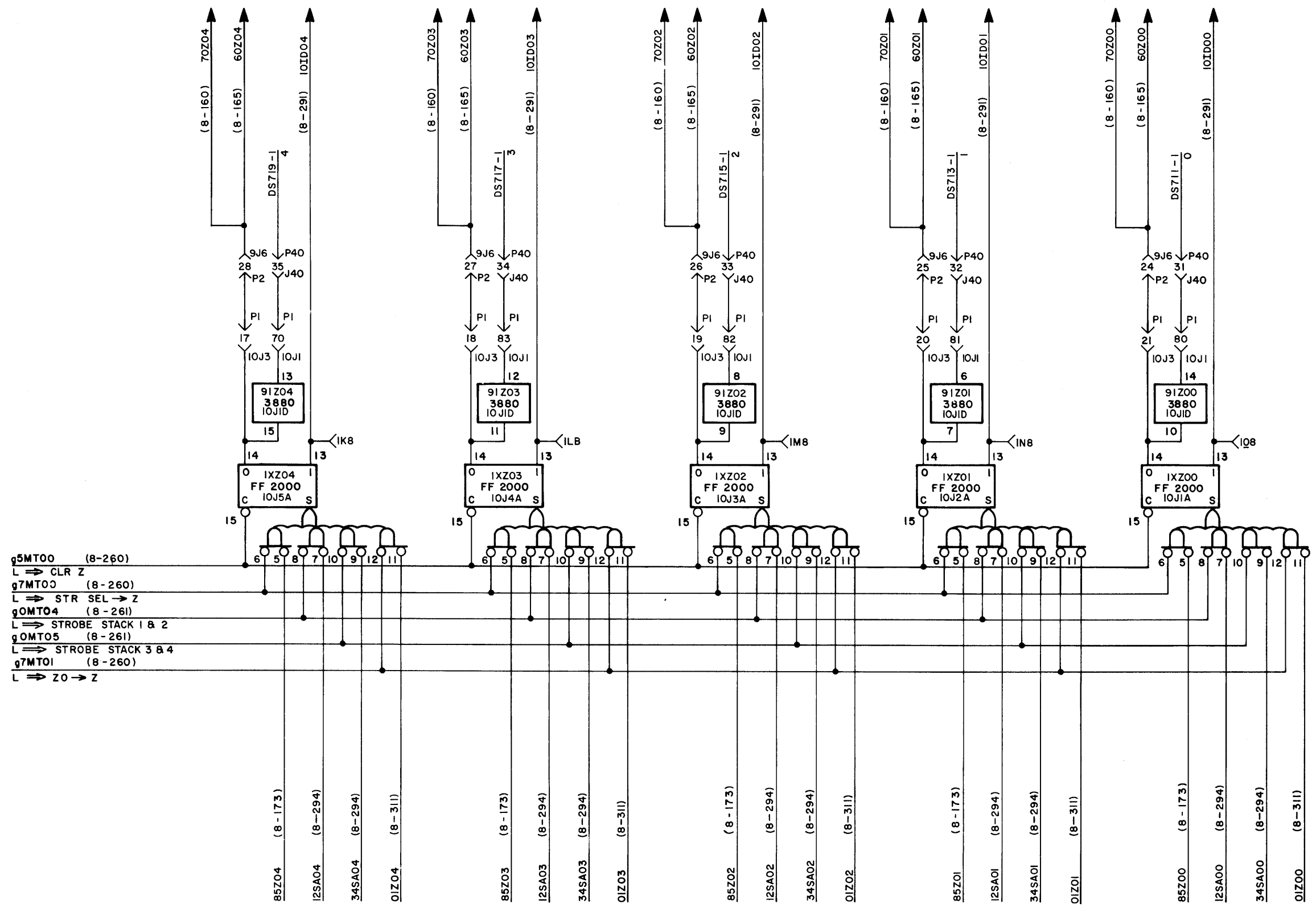
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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES. TOLERANCE ON	
2 PLACE DECIMALS	3 PLACE DECIMALS
± .003	± .0005
HOLD DIAMETER TOLERANCE	
Ø THRU .250	.251 THRU .500
+ .003	+ .005
-.002	-.005
THREADS: EXT. CL. 2A, INT. CL. 2B	
MATERIAL	FINISH
APPLICATION	
COMMODITY CODE	

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
LAYOUT			DATE	CLASS	UNIVAC	
DRAFTSMAN				A	DIVISION OF SPERRY RAND CORPORATION	
R. NEWMAN					TITLE	
CHECKER					FUNCTIONAL SCHEMATIC,	
B. POPOV			8/13		MAIN MEMORY TIMING 3	
ENGINEER					APPROVAL	
R. SVOBODNY			8/15/64		R. Svobodny	
MATERIAL					CODE IDENT NO.	SIZE
FINISH					90536	D
					DWG NO.	7032760
					SCALE	WEIGHT
						SHEET OF

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		71696	SEE EIR		08/10/65	
B		77403	SEE EIR		11/23/66	



q5MT00 (8-260)
 L ⇒ CLR Z
 q7MT00 (8-260)
 L ⇒ STR SEL → Z
 qOMT04 (8-261)
 L ⇒ STROBE STACK 1 & 2
 qOMT05 (8-261)
 L ⇒ STROBE STACK 3 & 4
 q7MT01 (8-260)
 L ⇒ ZO → Z

- 85Z04 (8-173)
- 12SA04 (8-294)
- 34SA04 (8-294)
- 01Z04 (8-311)
- 85Z03 (8-173)
- 12SA03 (8-294)
- 34SA03 (8-294)
- 01Z03 (8-311)
- 85Z02 (8-173)
- 12SA02 (8-294)
- 34SA02 (8-294)
- 01Z02 (8-311)
- 85Z01 (8-173)
- 12SA01 (8-294)
- 34SA01 (8-294)
- 01Z01 (8-311)
- 85Z00 (8-173)
- 12SA00 (8-294)
- 34SA00 (8-294)
- 01Z00 (8-311)

FIGURE 8-262

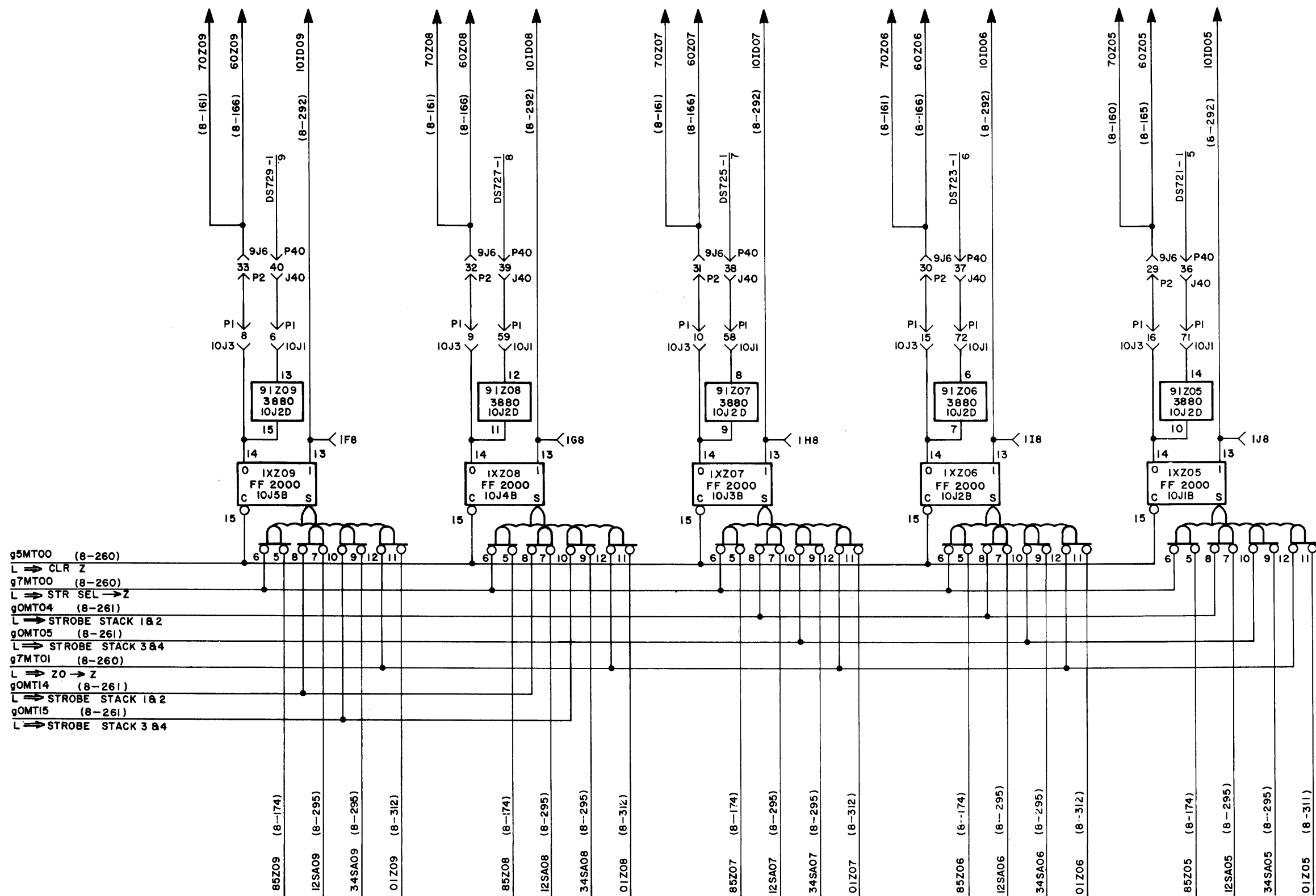
QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL							
				DATE		CLASS	
				2-18-65		A	
				UNIVAC			
				DIVISION OF SPERRY RAND CORPORATION			
				FUNCTIONAL SCHEMATIC,			
				ZI REGISTER BITS 00-04			
DRAFTSMAN		R. BRASKI		CHECKER		B. POPOV	
ENGINEER		R. SVOBODNY		APPROVAL		[Signature]	
CODE IDENT NO.		SIZE		DWG NO.			
90536		D		7032742			
SCALE		WEIGHT		SHEET		OF	

IDENT NO. 7032742-00

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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS	3 PLACE DECIMALS
±	±
HOLE DIAMETER TOLERANCE	
0 THRU .250	.251 THRU .500
+ .003	+ .005
-.002	-.005
THREADS: EXT. CL. 2A, INT. CL. 2B	
MATERIAL	
FINISH	
LAYOUT	
DATE	
CLASS	
DRAFTSMAN	
R. BRASKI	
CHECKER	
B. POPOV	
ENGINEER	
R. SVOBODNY	
APPROVAL	
[Signature]	

REVISIONS				CHK	DATE	APPROVED
SYM	ZONE	EIR	DESCRIPTION			
A		71697	SEE EIR		2/14/66	[Signature]
B		77403	SEE EIR		2/22/66	[Signature]



g5MT00 (8-260)
L → CLR Z
g7MT00 (8-260)
L → STR SEL → Z
gOMT04 (8-261)
L → STROBE STACK 1 & 2
gOMT05 (8-261)
L → STROBE STACK 3 & 4
g7MT01 (8-260)
L → ZO → Z
gOMT14 (8-261)
L → STROBE STACK 1 & 2
gOMT15 (8-261)
L → STROBE STACK 3 & 4

85Z09 (8-174) 12SA09 (8-295) 34SA09 (8-295) 01Z09 (8-312)
85Z08 (8-174) 12SA08 (8-295) 34SA08 (8-295) 01Z08 (8-312)
85Z07 (8-174) 12SA07 (8-295) 34SA07 (8-295) 01Z07 (8-312)
85Z06 (8-174) 12SA06 (8-295) 34SA06 (8-295) 01Z06 (8-312)
85Z05 (8-174) 12SA05 (8-295) 34SA05 (8-295) 01Z05 (8-311)

FIGURE 8-263

IDENT NO. 7032743-00

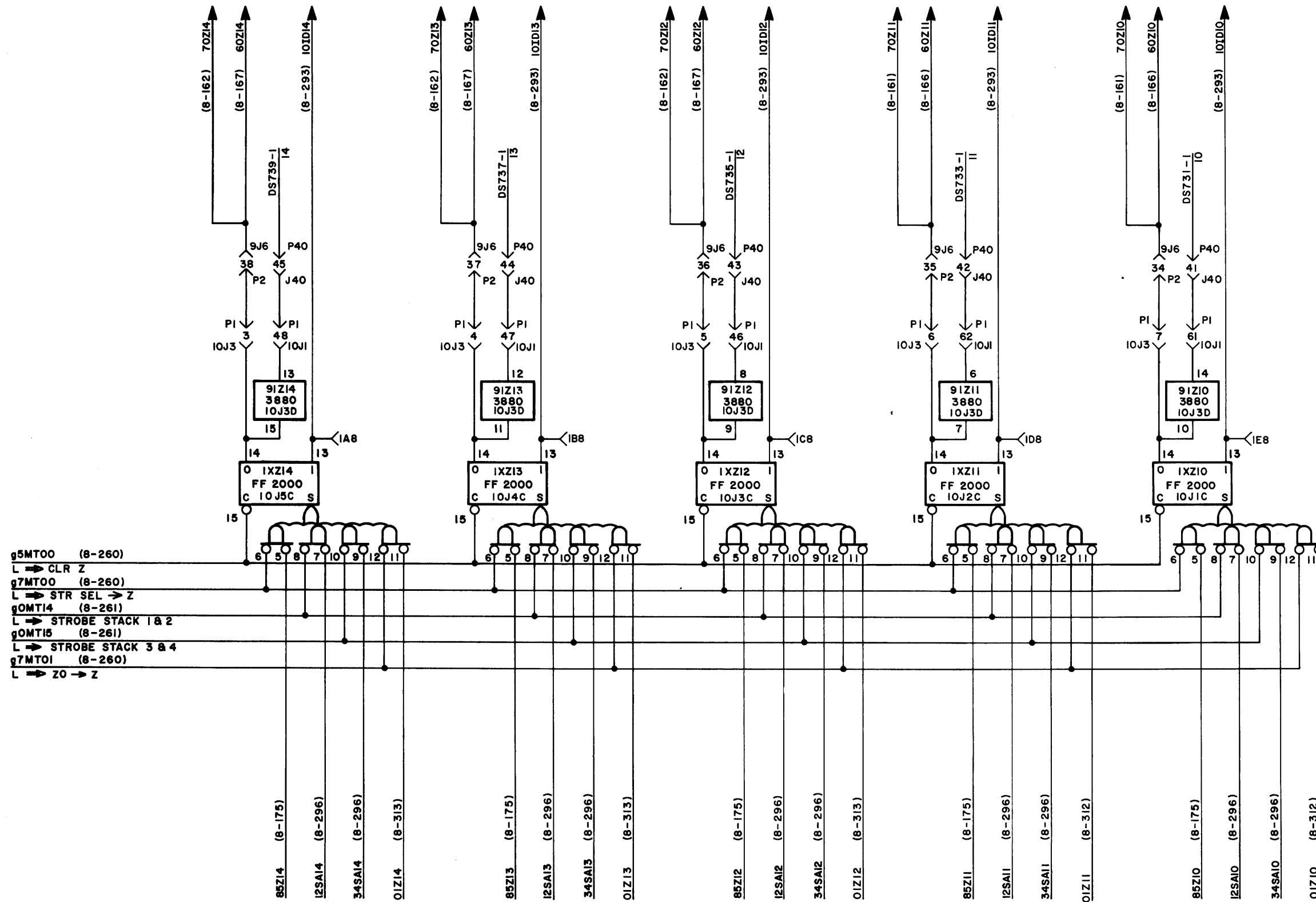
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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES	TOLERANCE
2 PLACE DECIMALS	± .005
3 PLACE DECIMALS	± .001
ANGLES	± .010
HOLE DIAMETER TOLERANCE	
0 THRU .250	+ .005
.251 THRU .500	+ .005
.501 & LARGER	+ .010
	- .005
THREADS: EXCEPT 2A, INT CL 2B	
MATERIAL	FINISH
APPLICATION	
NEXT ASSY	EQUIPMENT
COMMODITY CODE	

LAYOUT	DATE	CLASS
DRAFTSMAN	2-18-65	A
CHECKER		
ENGINEER		
APPROVAL		

UNIVAC			
DIVISION OF SPERRY RAND CORPORATION			
TITLE			
FUNCTIONAL SCHEMATIC, ZI REGISTER BITS 05-09			
CODE IDENT NO.	SIZE	DWG NO.	
90536	D	7032743	
SCALE	WEIGHT	SHEET	OF

REVISIONS				CHK	DATE	APPROVED
SYM	ZONE	EIR	DESCRIPTION			
A		71697	SEE EIR		12/15/65	[Signature]
B		77403	SEE EIR		1-22-66	[Signature]



g5MTOO (8-260)
 L → CLR Z
 g7MTOO (8-260)
 L → STR SEL → Z
 gOMTI4 (8-261)
 L → STROBE STACK 1 & 2
 gOMTI5 (8-261)
 L → STROBE STACK 3 & 4
 g7MTOI (8-260)
 L → ZO → Z

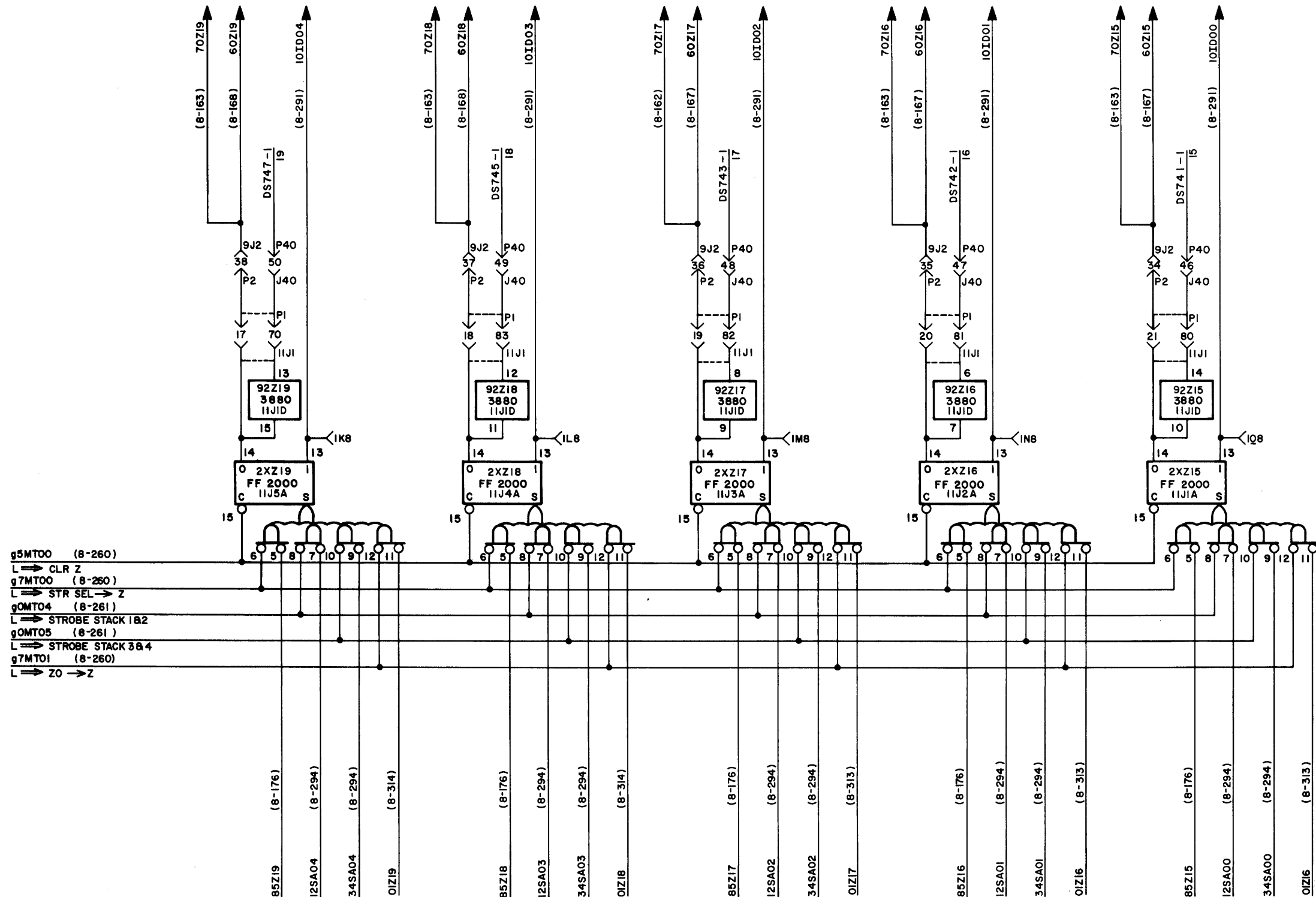
FIGURE 8-264

QTY	FIND	REF	DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL							
UNLESS OTHERWISE SPECIFIED				LAYOUT		DATE	
DIMENSION IN INCHES. TOLERANCE ON				CLASS		UNIVAC	
2 PLACE DECIMALS				DRAFTSMAN		R. BRASKI	
3 PLACE DECIMALS				CHECKER		B. POPOV	
ANGLES				ENGINEER		R. SVOBODNY	
HOLE DIAMETER TOLERANCE				APPROVAL		[Signature]	
0 THRU .250 ± .003				MATERIAL			
.251 THRU .500 ± .005				FINISH			
.501 & LARGER ± .010				APPLICATION			
THREADS: EXCEPT INT CL 2B				COMMODITY CODE			
CLASS				DATE		2-19-65	
TITLE				DRAFTSMAN		R. BRASKI	
TITLE				CHECKER		B. POPOV	
TITLE				ENGINEER		R. SVOBODNY	
TITLE				APPROVAL		[Signature]	
CODE IDENT NO.				SIZE		DWG NO.	
90536				D		7032744	
SCALE				WEIGHT		SHEET OF	

IDENT NO. 7032744 - 00

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REVISIONS			
SYM	ZONE	EJR	APPROVED



g5MT00 (8-260)
 L → CLR Z
 g7MT00 (8-260)
 L → STR SEL → Z
 gOMT04 (8-261)
 L → STROBE STACK 1&2
 gOMT05 (8-261)
 L → STROBE STACK 3&4
 g7MT01 (8-260)
 L → Z0 → Z

FIGURE 8-265

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL						

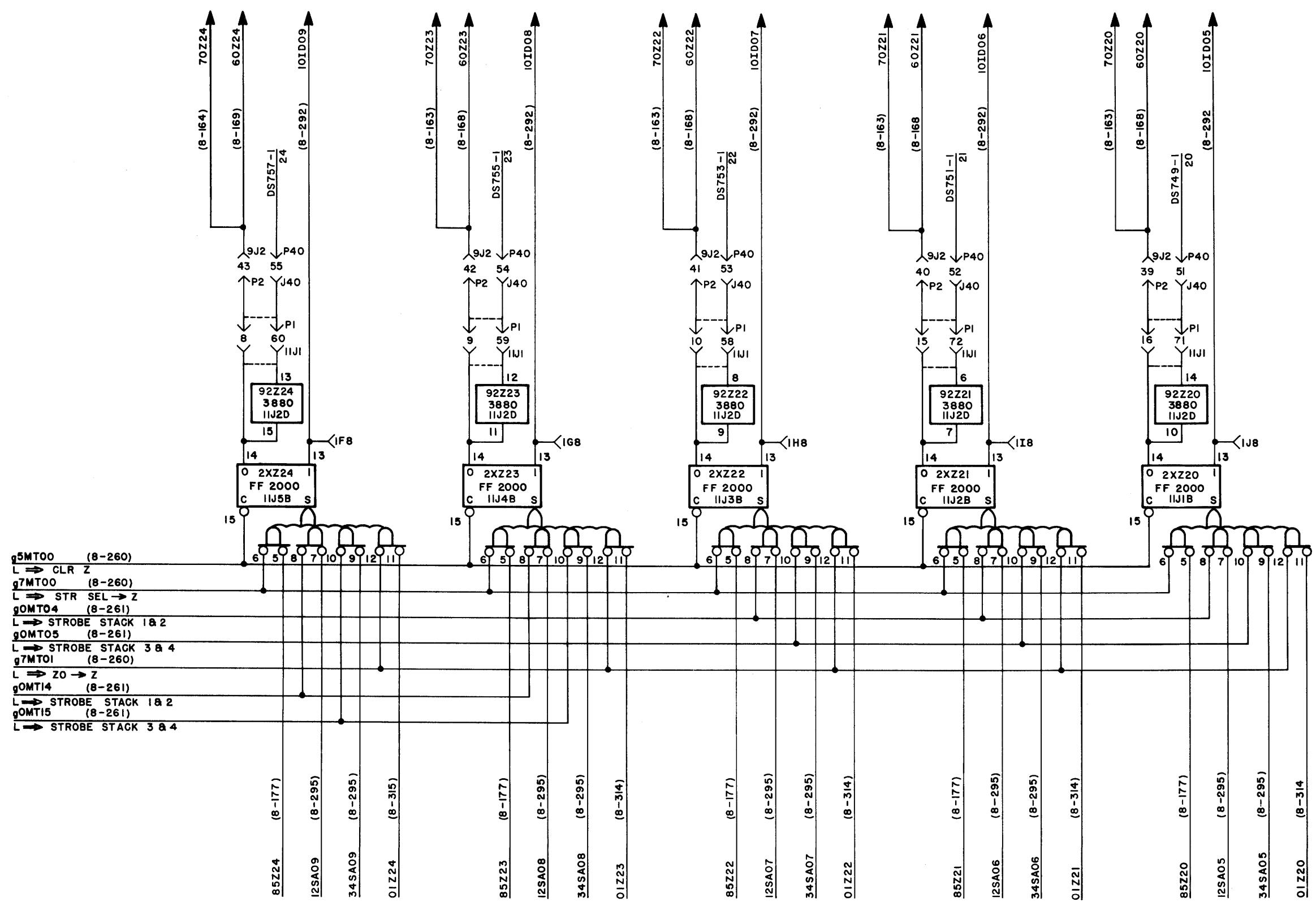
IDENT NO. 7032761-00

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UNLESS OTHERWISE SPECIFIED		LAYOUT	DATE	CLASS	UNIVAC DIVISION OF SPERRY RAND CORPORATION	
DIMENSION IN INCHES TOLERANCE ON		DRAFTSMAN	2-18-65	A	TITLE	
2 PLACE DECIMALS ±	3 PLACE DECIMALS ±	R. BRASKI			FUNCTIONAL SCHEMATIC, ZI REGISTER BITS 15-19	
HOLE DIAMETER TOLERANCE		CHECKER			CODE IDENT NO.	
0 THRU .250 +.003	.251 THRU .500 +.005	B. POPOV			90536	SIZE
THREADS: EXP. CL. 2A, INT. CL. 2B		ENGINEER			D	DWG NO.
MATERIAL		R. SVOBODNY				7032761
FINISH		APPROVAL			SCALE	WEIGHT
NEXT Assy						SHEET
EQUIPMENT						OF
APPLICATION						
COMMODITY CODE						

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		77403	SEE EIR		2-18-65	B. S. P.



- g5MT00 (8-260)
- L → CLR Z
- g7MT00 (8-260)
- L → STR SEL → Z
- gOMT04 (8-261)
- L → STROBE STACK 1 & 2
- gOMT05 (8-261)
- L → STROBE STACK 3 & 4
- g7MT01 (8-260)
- L → ZO → Z
- gOMT14 (8-261)
- L → STROBE STACK 1 & 2
- gOMT15 (8-261)
- L → STROBE STACK 3 & 4

FIGURE 8-266

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
						LIST OF MATERIAL

IDENT NO. 7032762 -00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE	CLASS	UNIVAC	
DIMENSION IN INCHES, TOLERANCE ON 2 PLACE DECIMALS		3 PLACE DECIMALS		2-18-65	A	DIVISION OF SPERRY RAND CORPORATION	
HOLE DIAMETER TOLERANCE		THREADS: EXT. CL. 2A, INT. CL. 2B		DRAFTSMAN		TITLE	
0 THRU .250 +.003		.251 THRU .500 +.005		R. BRASKI		FUNCTIONAL SCHEMATIC, ZI REGISTER BITS 20-24	
.501 & LARGER +.010		FINISH		CHECKER		B. POPOV	
				ENGINEER		R. SVOBODNY	
				APPROVAL		CODE IDENT NO. 90536	
						SIZE D	
						DWG NO. 7032762	
						SCALE	
						WEIGHT	
						SHEET OF	

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	DATE

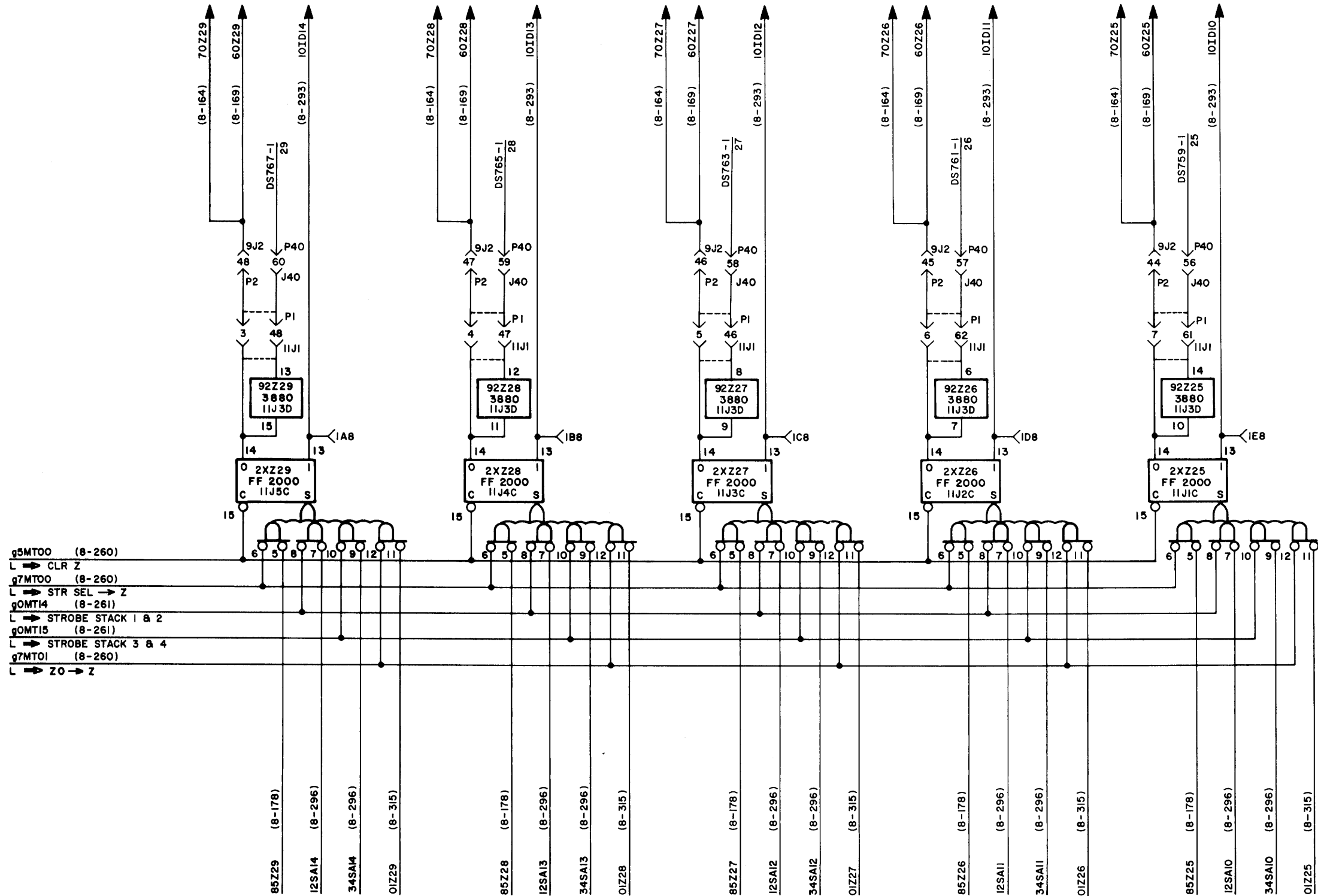


FIGURE 8-267

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL							

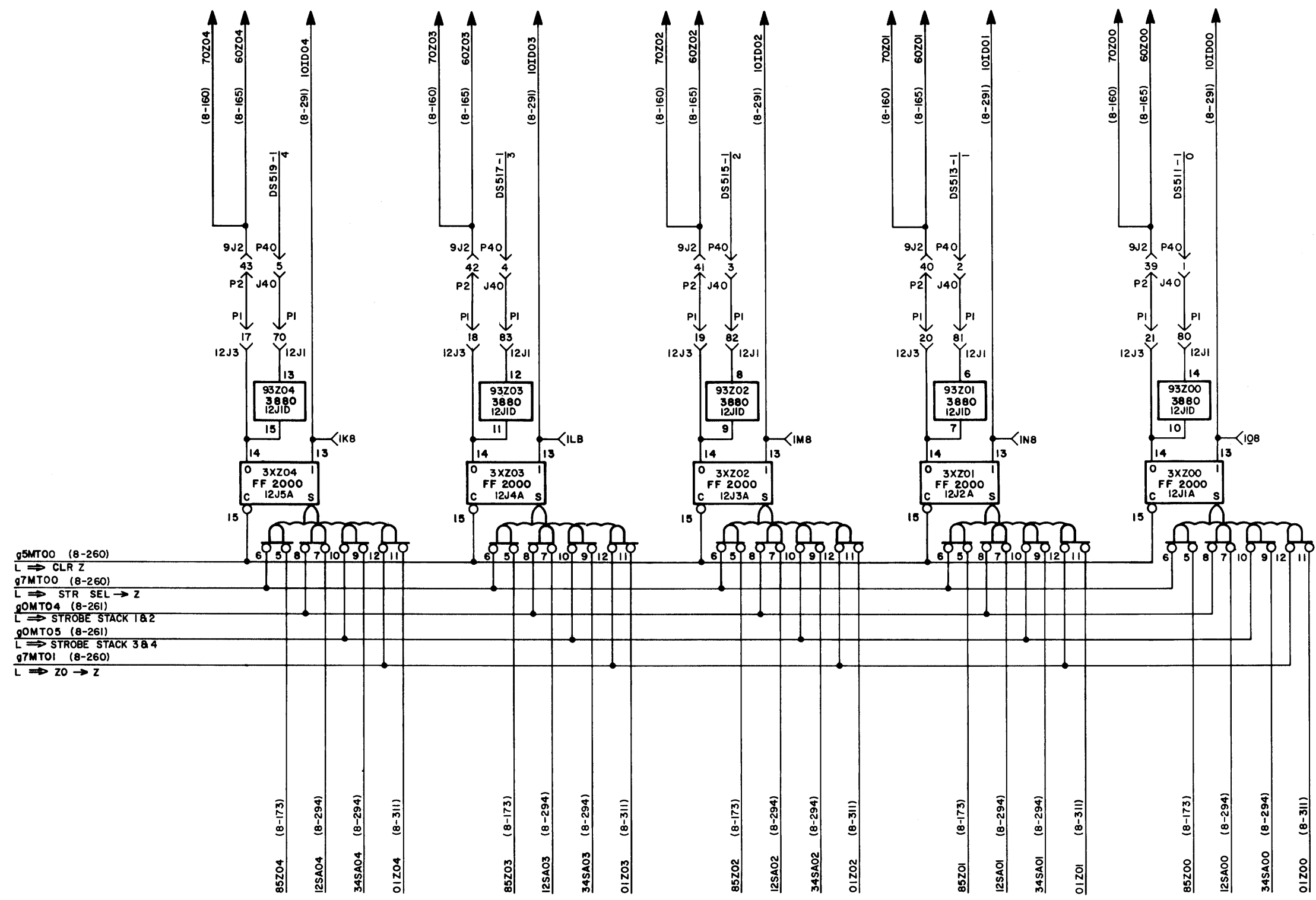
IDENT NO. 7032763-00

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UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCE ON 2 PLACE DECIMALS ± .005 3 PLACE DECIMALS ± .0005 ANGLES ± .005 HOLE DIAMETER TOLERANCE 0 THRU .250 ± .005 .251 THRU .500 ± .005 .501 & LARGER ± .010 THREADS: EXPT. CL. 2A, INT. CL. 2B	LAYOUT	DATE	CLASS
	DRAFTSMAN R. BRASKI	2-19-65	A
	CHECKER B. POPOV		TITLE FUNCTIONAL SCHEMATIC, ZI REGISTER BITS 25-29
	ENGINEER R. SVOBODNY		CODE IDENT NO. 90536
	APPROVAL R. S. SVOBODNY	9-15-65	SIZE D
			DWG NO. 7032763
			SCALE
			WEIGHT
			SHEET OF

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED
A		71697	SEE EIR	<i>[Signature]</i> 7/15/65



g5MTO0 (8-260)
 L → CLR Z
 q7MTO0 (8-260)
 L → STR SEL → Z
 qOMTO4 (8-261)
 L → STROBE STACK 1&2
 qOMTO5 (8-261)
 L → STROBE STACK 3&4
 q7MTO1 (8-260)
 L → ZO → Z

FIGURE 8-268

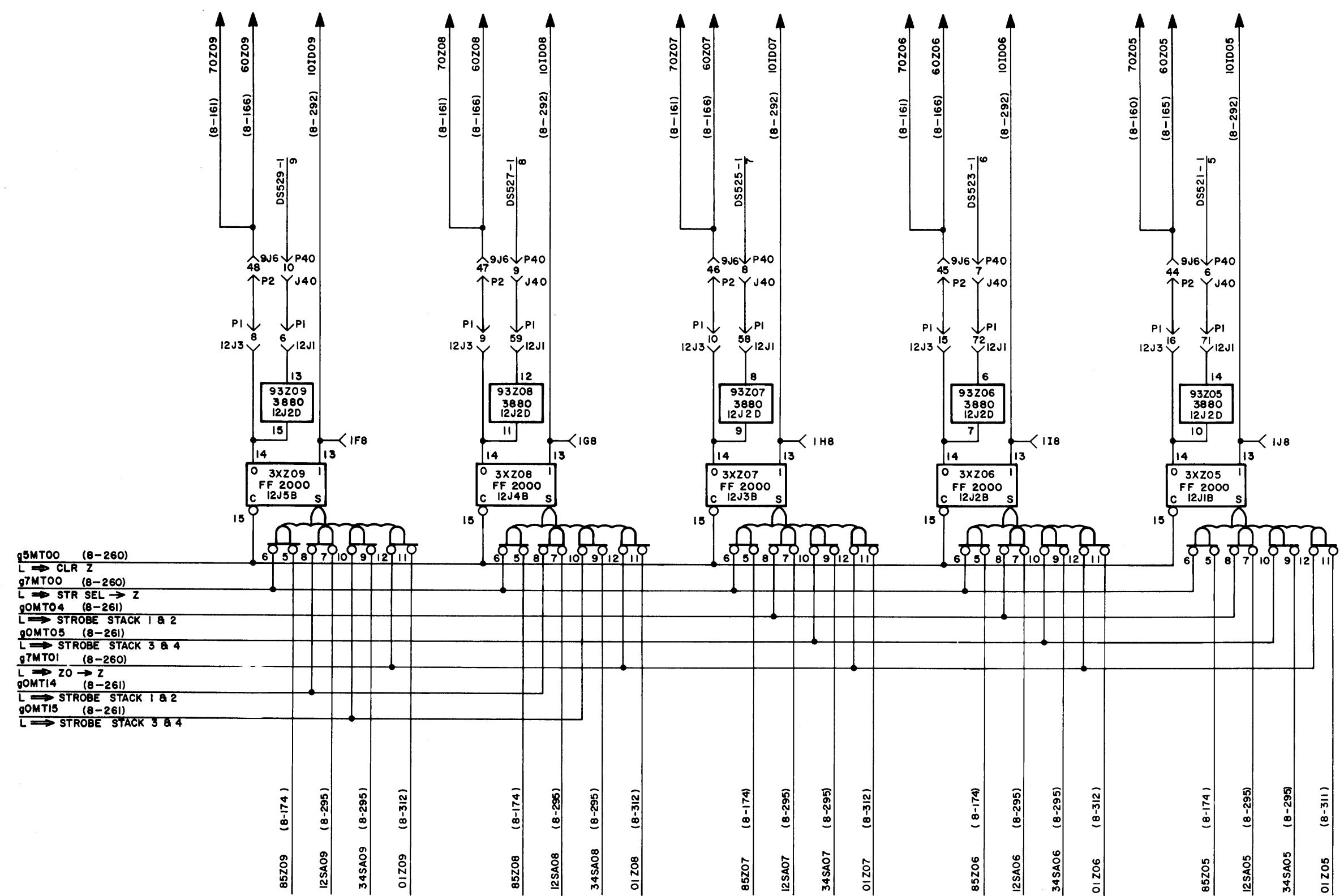
QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						

IDENT NO. 7032867-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT NUMBER: [REDACTED]
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UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE		CLASS	
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS ±		3 PLACE DECIMALS ±		R. BRASKI		2-18-65	
HOLE DIAMETER TOLERANCE 0 THRU .250 ± .003		.251 THRU .500 ± .005		CHECKER B. POPOV		7-15-65	
.501 & LARGER ± .010		THREADS: EXP. CL. 2A, INT. CL. 2B		ENGINEER R. SVOBODNY		7-15-65	
FINISH		COMMODITY CODE		TITLE		CODE IDENT NO.	
APPLICATION		EQUIPMENT		FUNCTIONAL SCHEMATIC, Z2 REGISTER BITS 00-04		SIZE	
NEXT ASSY		FINISH		UNIVAC		DWG NO.	
				DIVISION OF SPERRY RAND CORPORATION		90536 D	
						7032867	
				SCALE		SHEET OF	

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		71697	SEE EIR			
B		77405	SEE EIR		1/24/66	



- g5MTO0 (8-260)
- L → CLR Z
- g7MTO0 (8-260)
- L → STR SEL → Z
- gOMTO4 (8-261)
- L → STROBE STACK 1 & 2
- gOMTO5 (8-261)
- L → STROBE STACK 3 & 4
- g7MTO1 (8-260)
- L → ZO → Z
- gOMT14 (8-261)
- L → STROBE STACK 1 & 2
- gOMT15 (8-261)
- L → STROBE STACK 3 & 4

FIGURE 8-269

QTY	REQD	FIND	REF	DES	CODE	DWG	PART OR	IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL

UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS ± .005	DRAFTSMAN	2-18-65	A
HOLE DIAMETER TOLERANCE	CHECKER		
0 THRU .250 +.003	ENGINEER		
.251 THRU .500 +.005	APPROVAL		
.501 & LARGER +.010			
THREADS EXCEPT AS INT CL 28			
MATERIAL			
FINISH			

CODE IDENT NO.	SIZE	DWG NO.
90536	D	7032868

IDENT NO. 7032868-00

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UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS ± .005	DRAFTSMAN	2-18-65	A
HOLE DIAMETER TOLERANCE	CHECKER		
0 THRU .250 +.003	ENGINEER		
.251 THRU .500 +.005	APPROVAL		
.501 & LARGER +.010			
THREADS EXCEPT AS INT CL 28			
MATERIAL			
FINISH			

FUNCTIONAL SCHEMATIC, 22 REGISTER BITS 05-09

90536 D 7032868

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		71697	SEE EIR			
B		77406	SEE EIR			

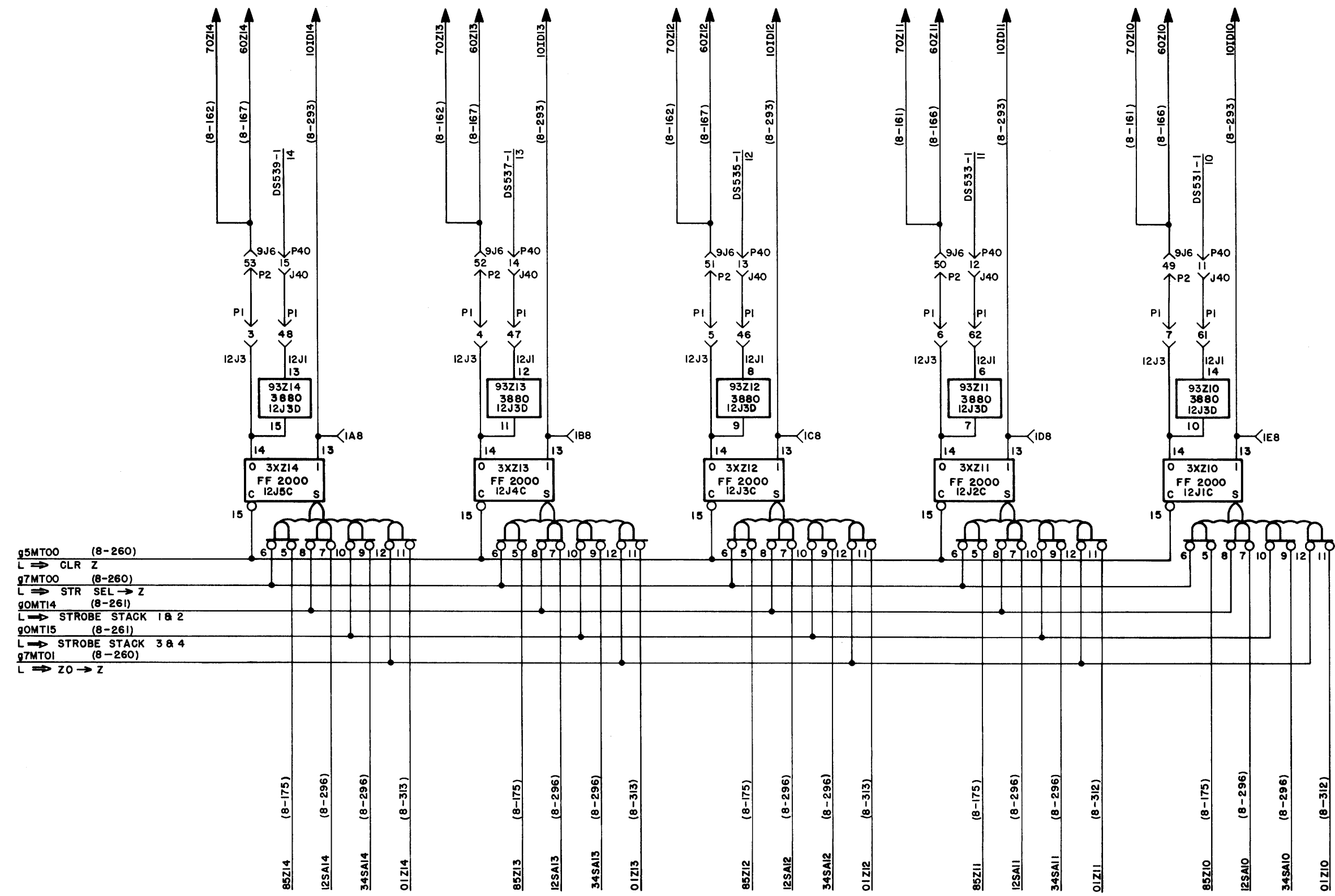


FIGURE 8-270

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL							
						UNIVAC DIVISION OF SPERRY RAND CORPORATION	
						FUNCTIONAL SCHEMATIC, Z2 REGISTER BITS 10-14	
						CLASS	A
						DRAFTSMAN	R. BRASKI
						CHECKER	B. POPOV
						ENGINEER	R. SVOBODNY
						DATE	2-19-65
						CODE IDENT NO.	90536
						SIZE	D
						DWG NO.	7032869
						SCALE	
						WEIGHT	
						SHEET	OF

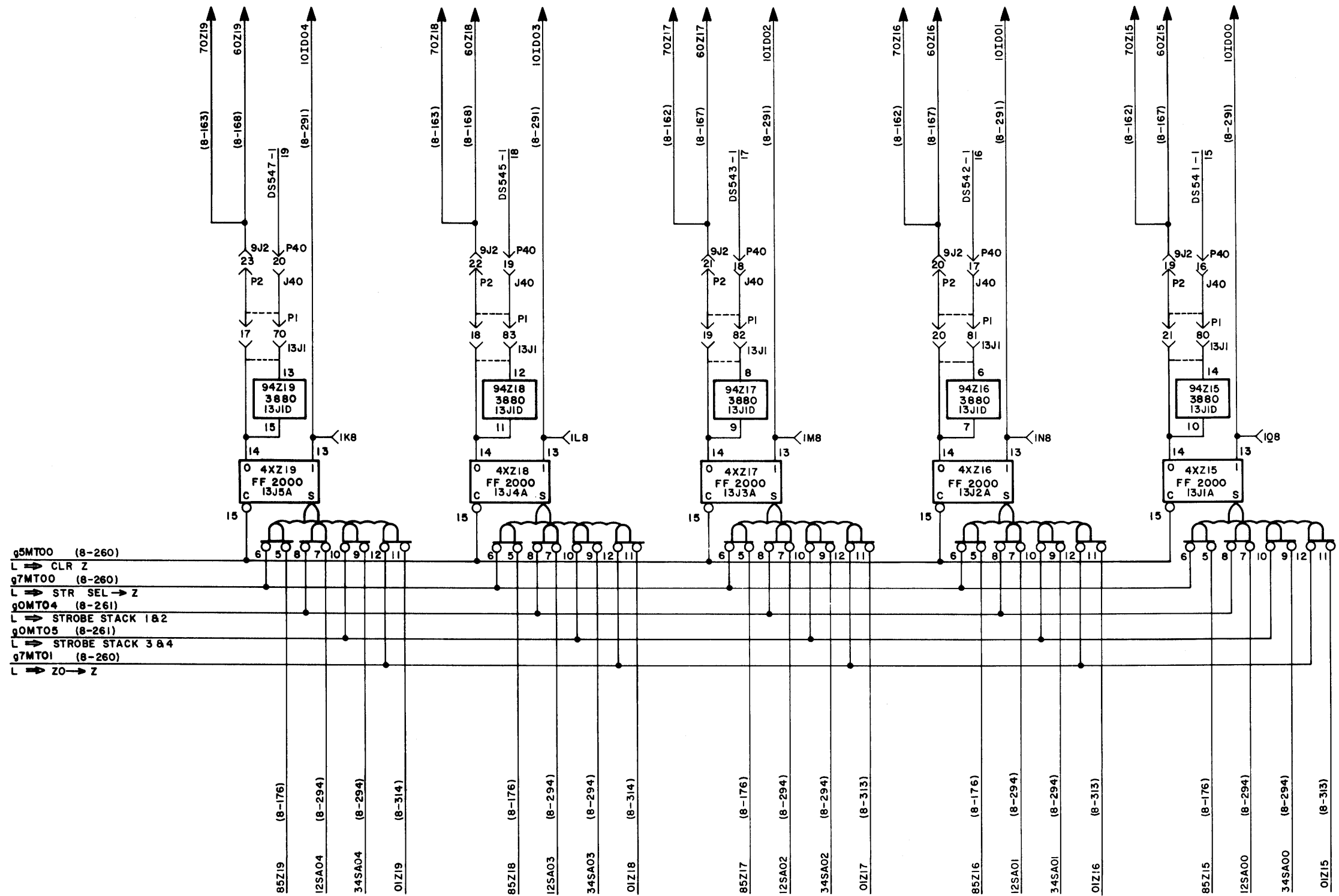
IDENT NO. 7032869 - 00

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UNLESS OTHERWISE SPECIFIED		
DIMENSION IN INCHES, TOLERANCE ON	2 PLACE DECIMALS	3 PLACE DECIMALS
	±	±
HOLE DIAMETER TOLERANCE	±	±
	0 THRU .250	.251 THRU .500
	+ .003	+ .005
	- .002	- .005
THREADS: EXT. CL. INT. CL. 2B		
MATERIAL		
FINISH		
APPLICATION		
COMMODITY CODE		

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVED



g5MTOO (8-260)
 L → CLR Z
 g7MTOO (8-260)
 L → STR SEL → Z
 gOMTO4 (8-261)
 L → STROBE STACK 1 & 2
 gOMTO5 (8-261)
 L → STROBE STACK 3 & 4
 g7MTO1 (8-260)
 L → Z → Z

- 85Z19 (8-176)
- 12SA04 (8-294)
- 34SA04 (8-294)
- O1Z19 (8-314)
- 85Z18 (8-176)
- 12SA03 (8-294)
- 34SA03 (8-294)
- O1Z18 (8-314)
- 85Z17 (8-176)
- 12SA02 (8-294)
- 34SA02 (8-294)
- O1Z17 (8-313)
- 85Z16 (8-176)
- 12SA01 (8-294)
- 34SA01 (8-294)
- O1Z16 (8-313)
- 85Z15 (8-176)
- 12SA00 (8-294)
- 34SA00 (8-294)
- O1Z15 (8-313)

FIGURE 8-271

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL							

IDENT NO. 7032870-00

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UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS 3 PLACE DECIMALS ANGLES HOLE DIAMETER TOLERANCE 0 THRU .250 +.003 +.005 +.010 .251 THRU .500 +.003 +.005 +.010 .501 & LARGER +.005 +.010 THREADS EXCEPT INT CL 2B MATERIAL FINISH	LAYOUT	DATE	CLASS
	DRAFTSMAN R. BRASKI	2-18-65	A
	CHECKER B. POPOV	2-15-65	
	ENGINEER R. SVOBODNY	2-15-65	
NEXT ASSY	EQUIPMENT	APPLICATION	COMMODITY CODE
UNIVAC DIVISION OF SPERRY RAND CORPORATION		TITLE FUNCTIONAL SCHEMATIC, Z2 REGISTER BITS 15-19	
CODE IDENT NO. 90536		SIZE D	DWG NO. 7032870
SCALE		WEIGHT	SHEET OF

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED

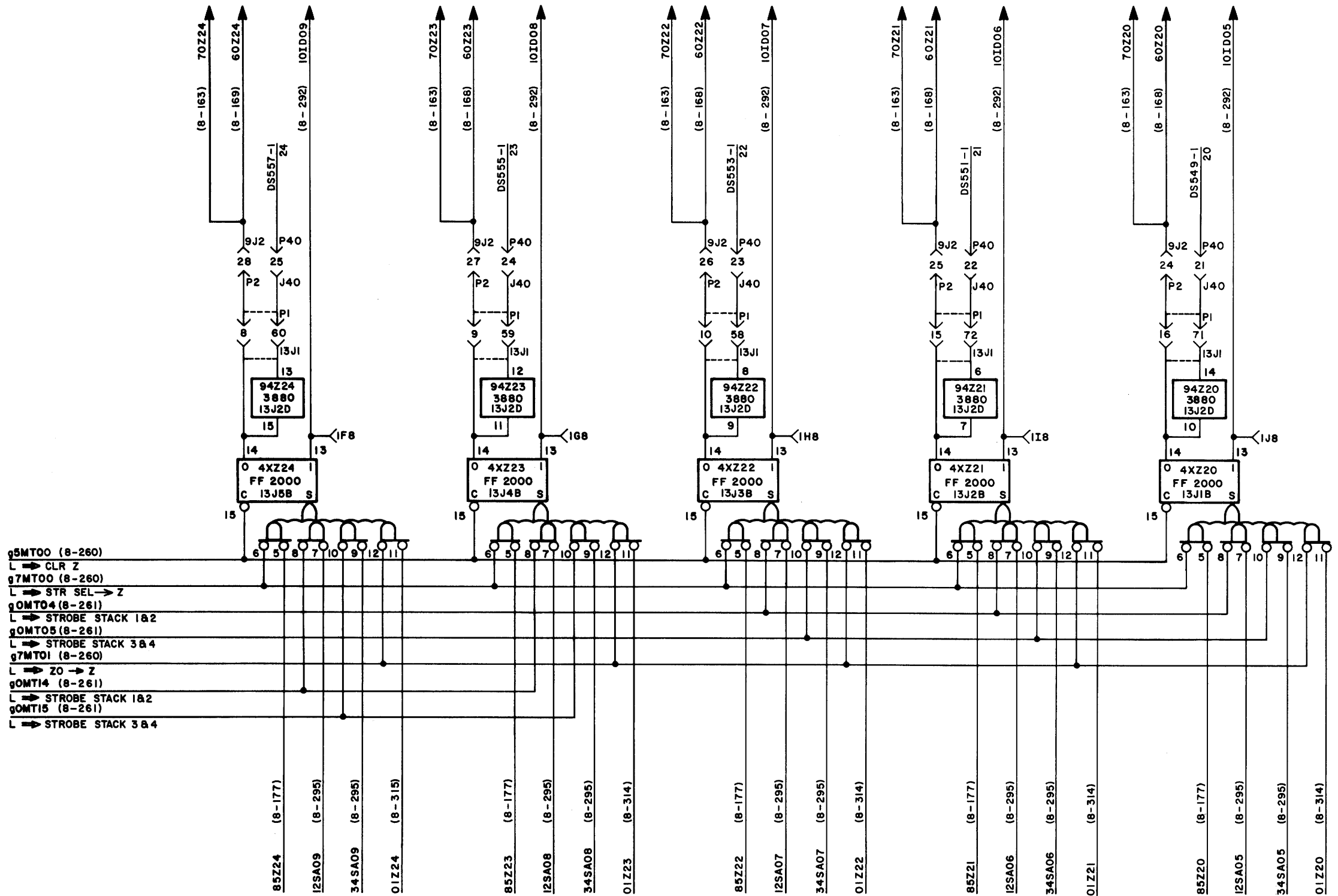


FIGURE 8-272

QTY	FIND	REF DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD			IDENT	SIZE	IDENTIFYING NO.	

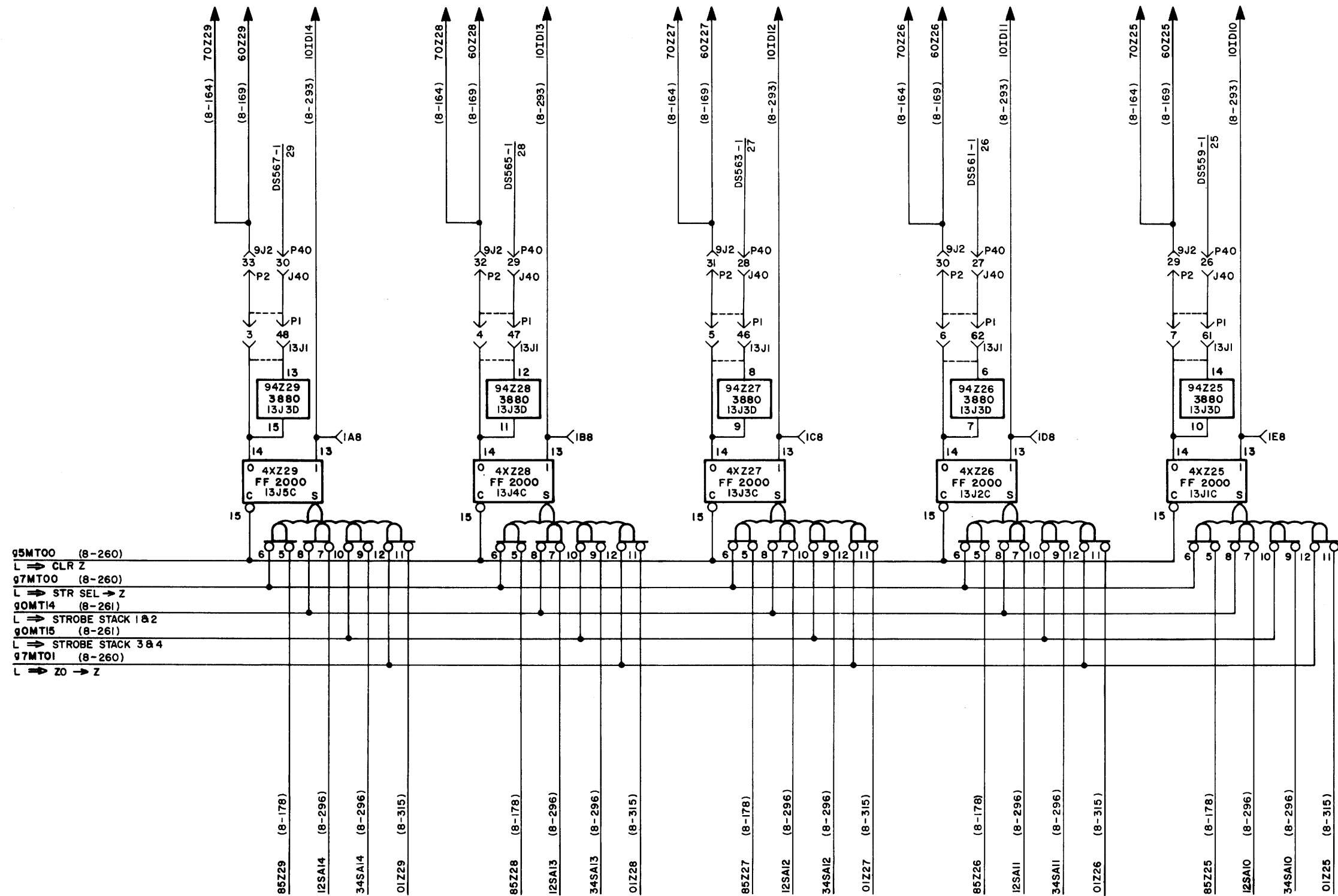
IDENT NO. 7032871-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE		CLASS	
DIMENSION IN INCHES. TOLERANCE ON		2 PLACE DECIMALS		3 PLACE DECIMALS		A	
HOLE DIAMETER TOLERANCE		0 THRU .250		.251 THRU .500		.501 & LARGER	
THREADS: EXPT. CL. 2A, INT. CL. 2B		MATERIAL		FINISH		UNIVAC	
NEXT ASSEMBLY EQUIPMENT		APPLICATION		COMMODITY CODE		DIVISION OF SPERRY RAND CORPORATION	
DRAWN		CHECKER		ENGINEER		APPROVAL	
R. BRASKI		B. POPOV		R. SVOBODNY		DATE	
2-18-65		2-18-65		2-18-65		2-18-65	
TITLE		CODE IDENT NO.		SIZE		DWG NO.	
FUNCTIONAL SCHEMATIC, Z2 REGISTER BITS 20-24		90536		D		7032871	
SCALE		WEIGHT		SHEET		OF	

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	APPROVED



95MT00 (8-260)
 L → CLR Z
 97MT00 (8-260)
 L → STR SEL → Z
 90MT14 (8-261)
 L → STROBE STACK 1 & 2
 90MT15 (8-261)
 L → STROBE STACK 3 & 4
 97MT01 (8-260)
 L → ZO → Z

FIGURE 8-273

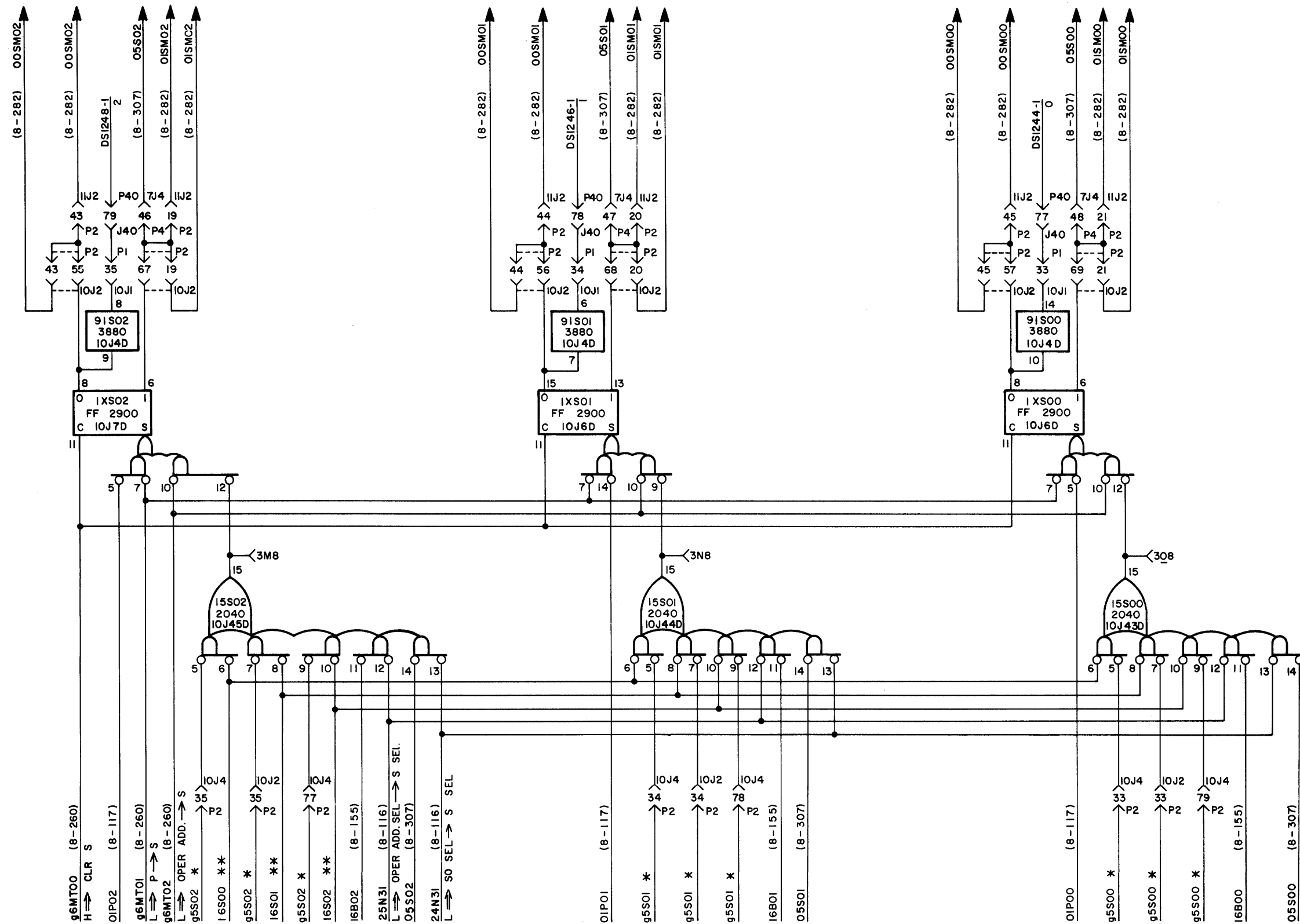
QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

IDENT NO. 7032872-00

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UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCE ON 2 PLACE DECIMALS ± .005 3 PLACE DECIMALS ± .001 ANGLES ± .010 HOLE DIAMETER TOLERANCE 0 THRU .250 ± .005 .251 THRU .500 ± .005 .501 & LARGER ± .010 THREADS: EXT CL 2A, INT CL 2B	LAYOUT	DATE	CLASS	UNIVAC	
	DRAFTSMAN R. BRASKI	2-19-65	A	DIVISION OF SPERRY RAND CORPORATION	
	CHECKER B. POPOV	9-15-65		FUNCTIONAL SCHEMATIC, Z2 REGISTER BITS 25-29	
	ENGINEER R. SVOBODNY	9-15-65			
NEXT ASSY	EQUIPMENT	APPROVAL	CODE IDENT NO.	SIZE	DWG NO.
		<i>R. S. Slobodny</i>	90536	D	7032872
COMMODITY CODE	FINISH	SCALE	WEIGHT	SHEET	OF

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED
A		71697	SEE EIR	<i>[Signature]</i> 4-4-66
B		77402	SEE EIR	<i>[Signature]</i> 4-4-66



NOTE:
 1. * USED ONLY FOR EXTERNAL MEMORY.
 2. ** GROUNDED IF NOT USED FOR EXTERNAL MEMORY.

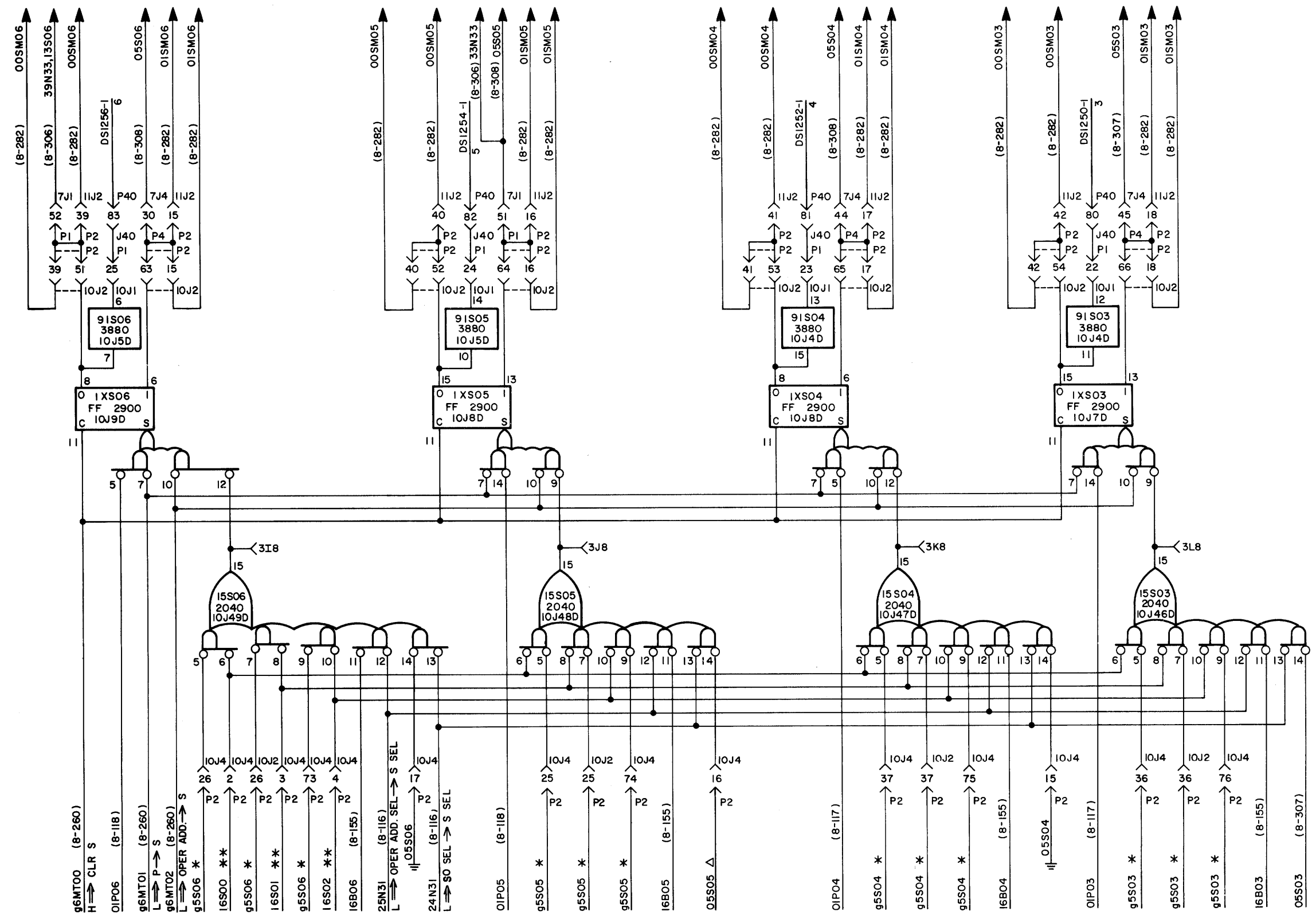
FIGURE 8-274

QTY	UNIT	REF	REV	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL			
CLASS	DATE	UNIVAC	
A	6-9-65	DIVISION OF BERRY RAND CORPORATION	
DRAFTSMAN		TITLE	
D.C. WHEELER		FUNCTIONAL SCHEMATIC,	
B. POPOV		SI REGISTER	
R. SVOBODNY		BITS 00 - 02	
CODE IDENT NO.	SIZE	DWG NO.	
90536	D	7032740	
SCALE	WEIGHT	SHEET 1 OF 1	

7032740-00

REVISIONS					
REV	ZONE	EIR	DESCRIPTION	CHK	DATE
A		71697	SEE EIR		8/11/65
B		77403	SEE EIR		8/22/66



NOTE:
 1. * USED ONLY FOR EXTERNAL MEMORY.
 2. ** GROUND IF NOT USED FOR EXTERNAL MEMORY.
 3. Δ NOT USED ON CHAS 10.

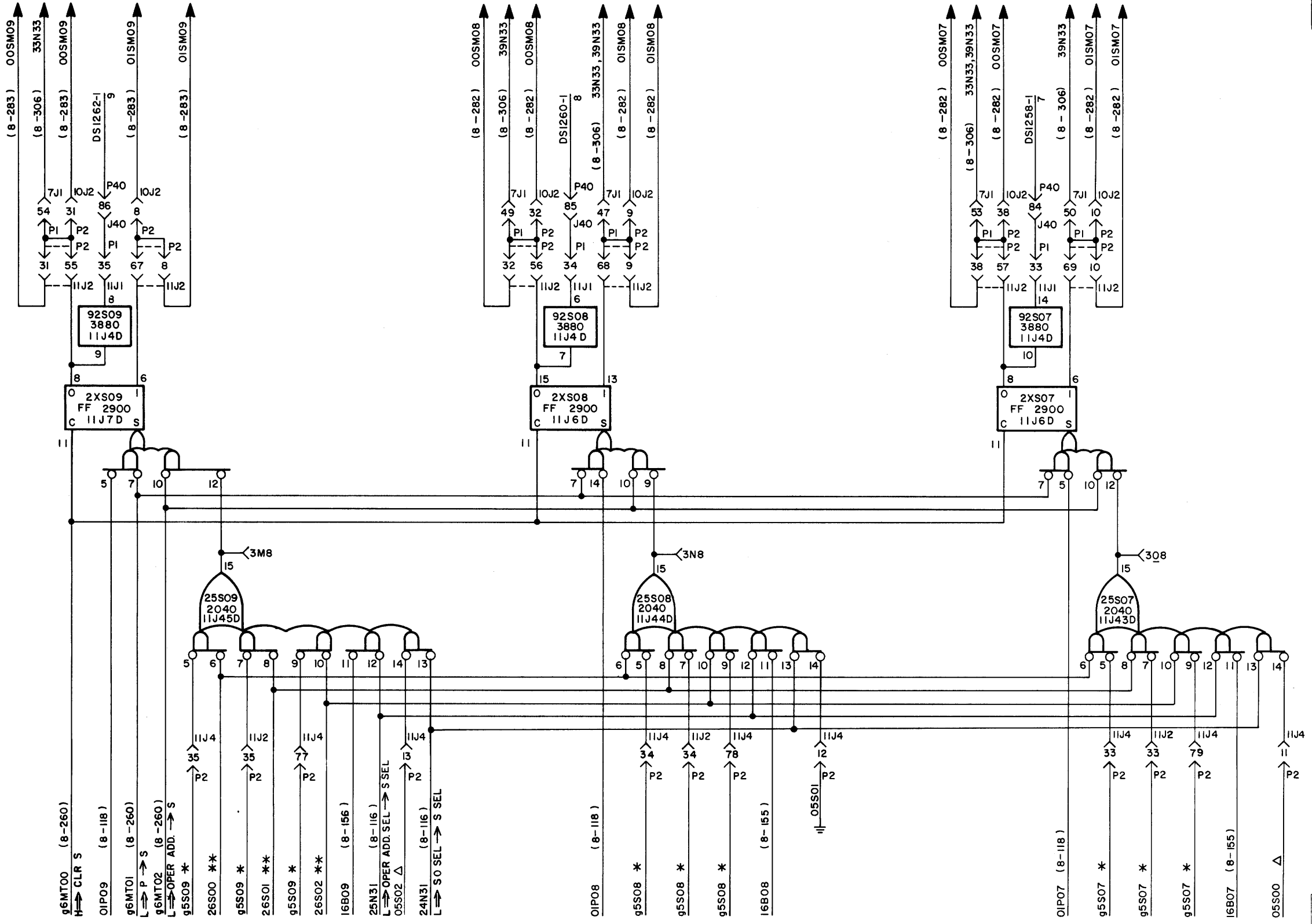
FIGURE 8-275

IDENT NO: 7032748-00

REV	LINE	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL			
DATE	CLASS	TITLE	
6-9-65	A	UNIVAC	
D.C. WHEELER		DIVISION OF BERRY AND COMPANY	
B. POPOV		FUNCTIONAL SCHEMATIC,	
R. SVOBODNY		SI REGISTER	
		BITS 03-06	
CODE IDENT NO	SIZE	DWG NO	
90536	D	7032748	
SCALE	WEIGHT	SHEET OF	

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		71697	SEE EIR			
B		77403	SEE EIR			



NOTE:
 1.* USED ONLY FOR EXTERNAL MEMORY
 2.** GROUNDED IF NOT USED FOR EXTERNAL MEMORY.
 3.Δ NOT USED ON CHAS 11.

FIGURE 8-276

QTY	FIND	REF DES	CODE	DWG	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL			
CLASS	DATE	CLASS	DATE
A	6-9-65	A	6-9-65
TITLE		TITLE	
FUNCTIONAL SCHEMATIC, SI REGISTER BITS 07-09		FUNCTIONAL SCHEMATIC, SI REGISTER BITS 07-09	
CODE IDENT NO.	SIZE	DWG NO.	
90536	D	7032741	
SCALE	WEIGHT	SHEET	OF

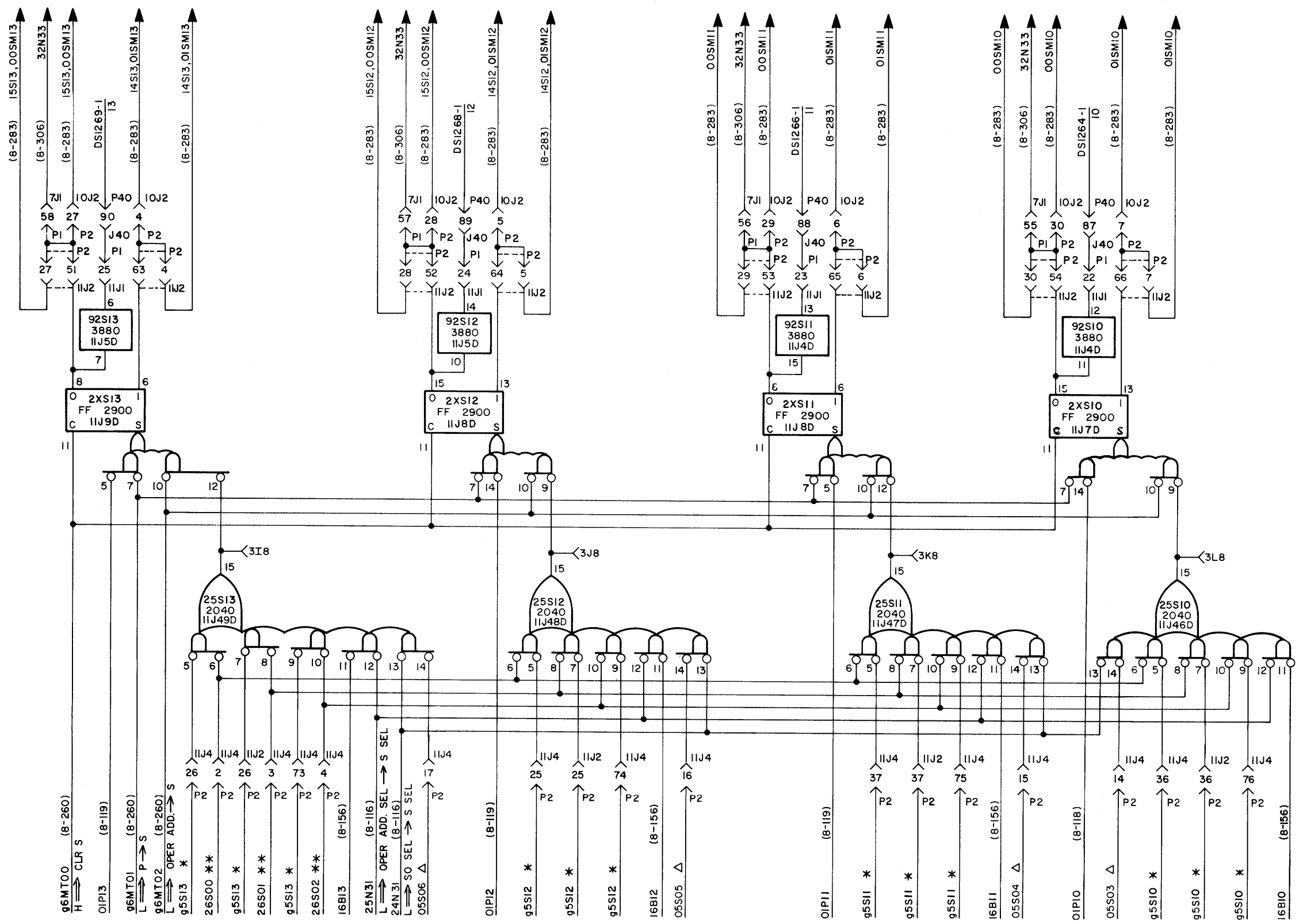
IDENT NO. 7032741-00

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APPROVAL	DATE
<i>[Signature]</i>	6-15-65

DRAFTSMAN	D.C. WHEELER
CHECKER	B. POPOV
ENGINEER	R. SVOBODNY

REVISIONS				
REV	DATE	EIR	DESCRIPTION	APP'D
A	7/16/67		SEE EIR	
B	7/7/67		SEE EIR	



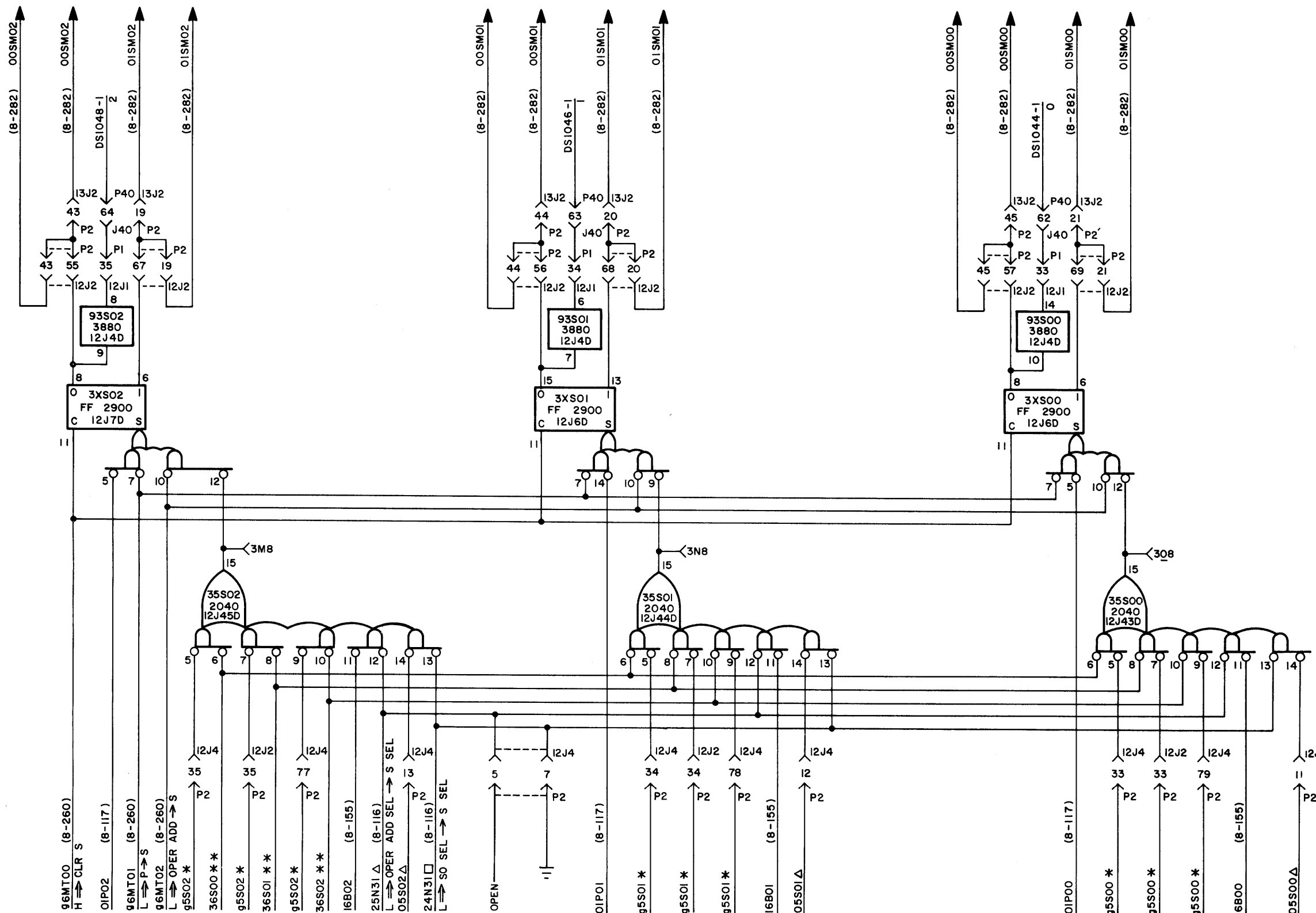
NOTE:
 1. * USED ONLY FOR EXTERNAL MEMORY
 2. ** GROUNDED IF NOT USED FOR EXTERNAL MEMORY.
 3. Δ NOT USED ON CHAS 11.

FIGURE 8-277

IDENT NO. 7032764-00

QTY	UNIT	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
DATE			CLASS	UNIVAC		
D.C. WHEELER 6-9-65			A	DIVISION OF SPERRY RAND CORPORATION		
B. POPOV 8-1-65			TITLE			
R. SVOBODNY 8-2-65			FUNCTIONAL SCHEMATIC, SI REGISTER BITS 10-13			
DWG NO.			CODE IDENT NO	SIZE	DWG NO.	
90536			D	7032764		
SCALE			WEIGHT		SHEET 1 OF 1	

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		71697	SEE EIR		11/16/65	
B		77408	SEE EIR		1/25/66	



- NOTE:
- * USED ONLY FOR EXTERNAL MEMORY.
 - ** GROUNDED IF NOT USED FOR EXTERNAL MEMORY.
 - △ NOT USED ON CHASSIS 12.
 - THIS NET GROUNDED ON CHASSIS 12 AND 13 ONLY.

FIGURE 8-278

QTY	FIND	REF DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD			IDENT	SIZE	IDENTIFYING NO.	

LIST OF MATERIAL			
CLASS	DATE	UNIVAC	
A	6-9-65	DIVISION OF SPERRY RAND CORPORATION	
TITLE			
FUNCTIONAL SCHEMATIC, S2 REGISTER BITS 00-02			
DRAFTSMAN	CHECKER	ENGINEER	APPROVAL
D.C. WHEELER	B. POPOV	R. SVOBODNY	
CODE IDENT NO.	SIZE	DWG NO.	
90536	D	7032863	
SCALE	WEIGHT	SHEET OF	

IDENT NO. 7032863-00

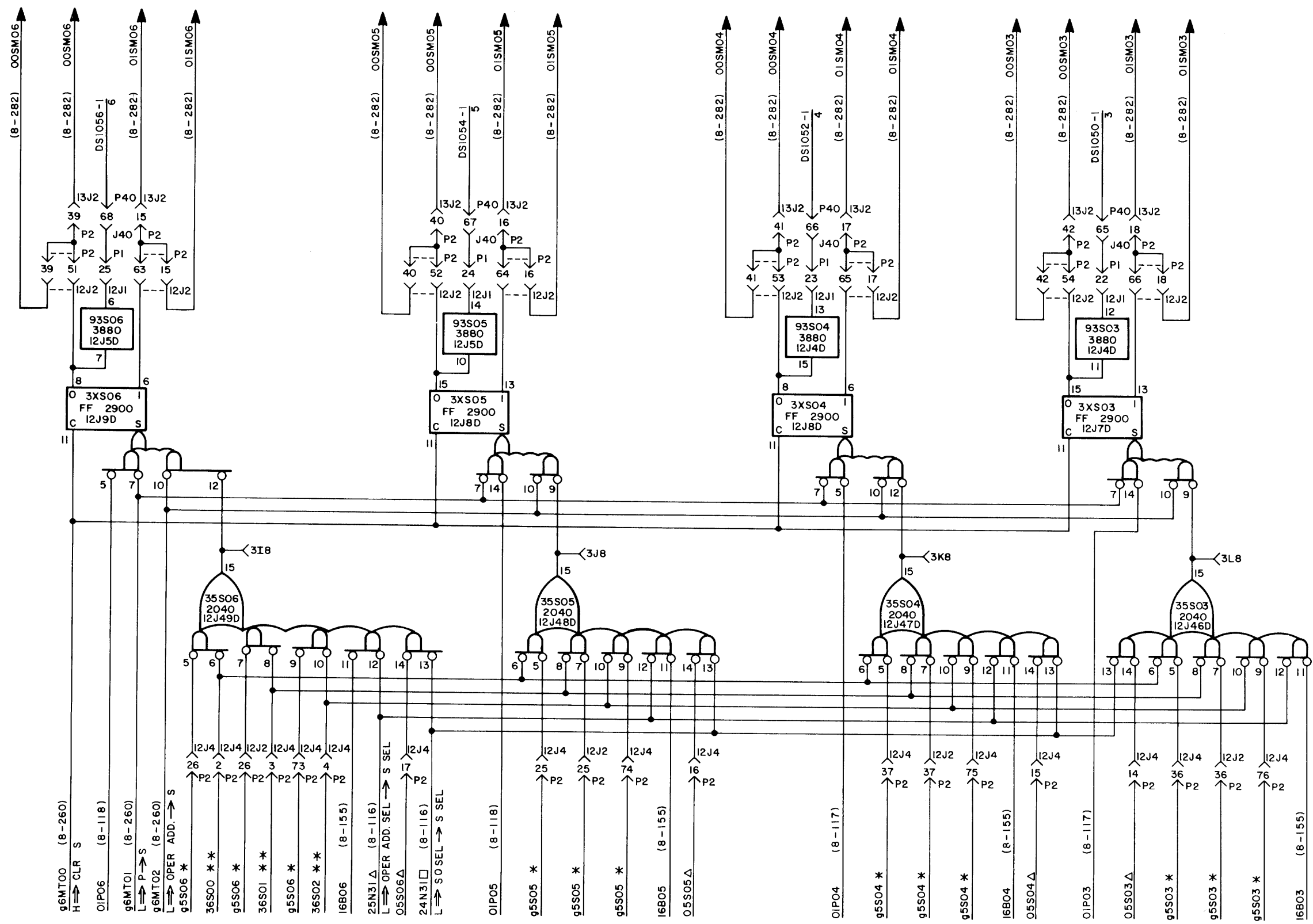
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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES. TOLERANCE ON	
2 PLACE DECIMALS	± .005
3 PLACE DECIMALS	± .0005
ANGLES	± .005
HOLE DIAMETER TOLERANCE	
0 THRU .250	± .005
.251 THRU .500	± .003
.501 & LARGER	± .002
THREADS: EXCEPT 2A, INT CL 2B	
MATERIAL	
FINISH	

LAYOUT	DATE	CLASS
DRAFTSMAN	6-9-65	A
D.C. WHEELER		
CHECKER		
B. POPOV		
ENGINEER		
R. SVOBODNY		
APPROVAL		

REVISIONS				
REV	DATE	DESCRIPTION	BY	APPROVED
A	7/698	SEE EIR		
B	7/7405	SEE EIR		



NOTE:
 1. * USED ONLY FOR EXTERNAL MEMORY.
 2. ** GROUNDING IF NOT USED FOR EXTERNAL MEMORY.
 3. Δ NOT USED ON CHASSIS I2.
 4. □ THIS NET GROUNDING ON CHASSIS I2 AND I3 ONLY.

FIGURE 8-279

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

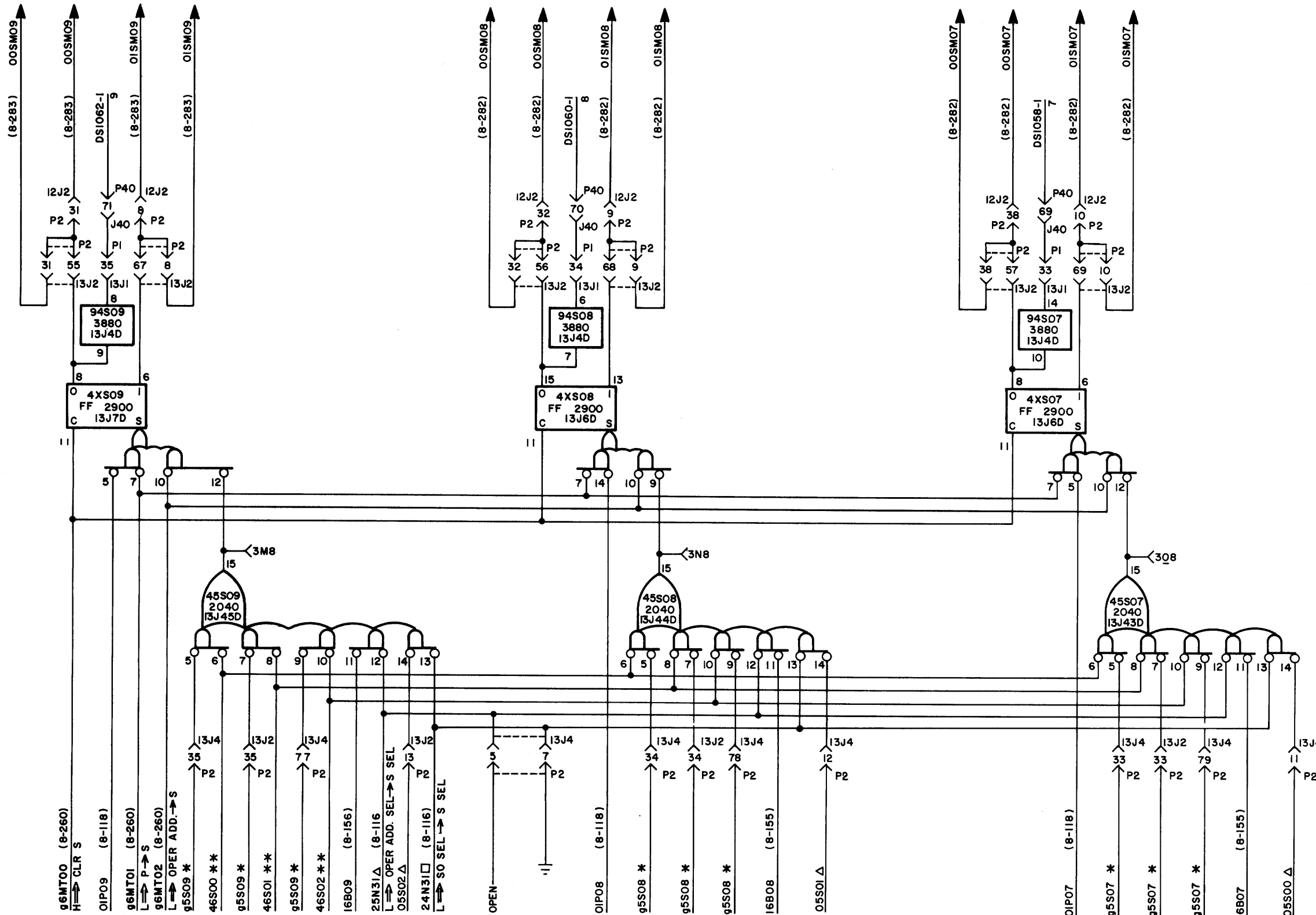
LIST OF MATERIAL			
LAYOUT	DATE	CLASS	UNIVAC DIVISION OF SPERRY RAND CORPORATION
DRAFTSMAN D.C. WHEELER	6-9-65	A	
CHECKER B. POPOV			FUNCTIONAL SCHEMATIC, S2 REGISTER BITS 03-06
ENGINEER R. SVOBODNY			
APPROVAL <i>[Signature]</i>			CODE IDENT NO. 90536
			SIZE D
			DWG NO. 7032864
			SCALE
			WEIGHT
			SHEET 1 OF 1

IDENT NO. 7032864-00

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UNLESS OTHERWISE SPECIFIED		
DIMENSION IN INCHES	TOLERANCE ON 2 PLACE DECIMALS	TOLERANCE ON 3 PLACE DECIMALS
	± .005	± .001
HOLE DIAMETER TOLERANCE	0 THRU .250	.251 THRU .500
	+ .003	+ .005
	- .002	- .005
THREADS	EXT. CL. INT. CL. 2B	
MATERIAL		
FINISH		

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		71698	SEE EIR			
B		77405	SEE EIR		4-25-66	



- NOTE:
- * USED ONLY FOR EXTERNAL MEMORY
 - ** GROUNDED IF NOT USED FOR EXTERNAL MEMORY.
 - Δ NOT USED ON CHASSIS 13.
 - THIS NET GROUNDED ON CHASSIS 12 AND 13 ONLY.

FIGURE 8-280

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL	
CLASS	A
DRAFTSMAN	D.C. WHEELER
DATE	6-9-65
CHECKER	B. POPOV
ENGINEER	R. SVOBODNY
TITLE	FUNCTIONAL SCHEMATIC, S2 REGISTER BITS 07-09
CODE IDENT NO.	90536
SIZE	D
DWG NO.	7032865

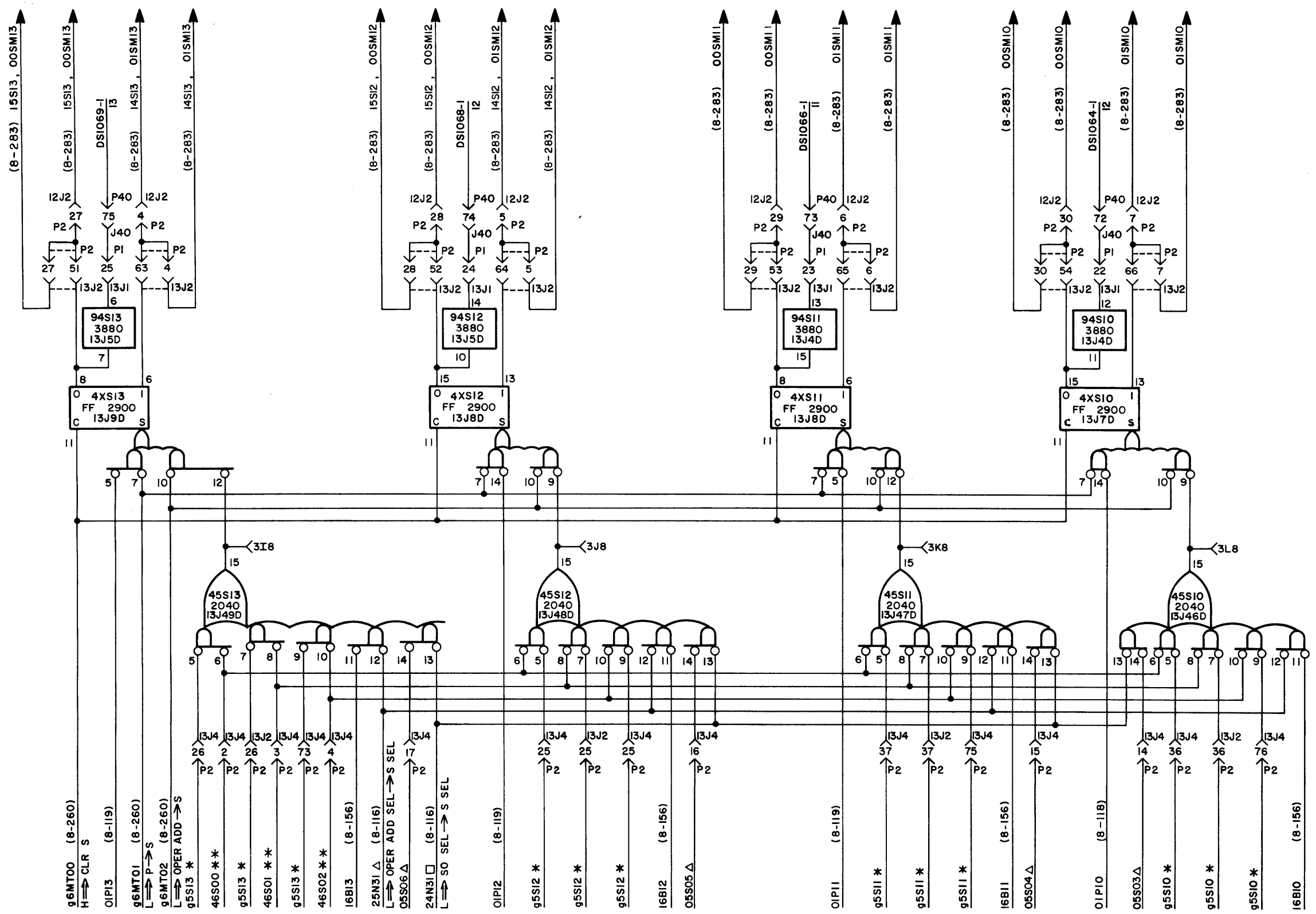
IDENT NO. 7032865-00

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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES	TOLERANCE
2 PLACE DECIMALS	± 0.005
3 PLACE DECIMALS	± 0.0005
ANGLES	± 0.005
HOLE DIAMETER TOLERANCE	
0 THRU .250	± 0.005
.251 THRU .500	± 0.0025
.501 & LARGER	± 0.0015
THREADS	EX. CL. 2A, INT. CL. 2B
MATERIAL	
FINISH	

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE
A		71698	SEE EIR		3/10/65
B		77405	SEE EIR		4-25-66



NOTE:
 1. * USED ONLY FOR EXTERNAL MEMORY
 2. ** GROUNDED IF NOT USED FOR EXTERNAL MEMORY.
 3. Δ NOT USED ON CHASSIS 13.
 4. □ THIS NET GROUNDED ON CHASSIS 12 AND 13 ONLY.

FIGURE 8-281

QTY	FIND	REF DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL			
QTY	FIND	REF DES	CODE

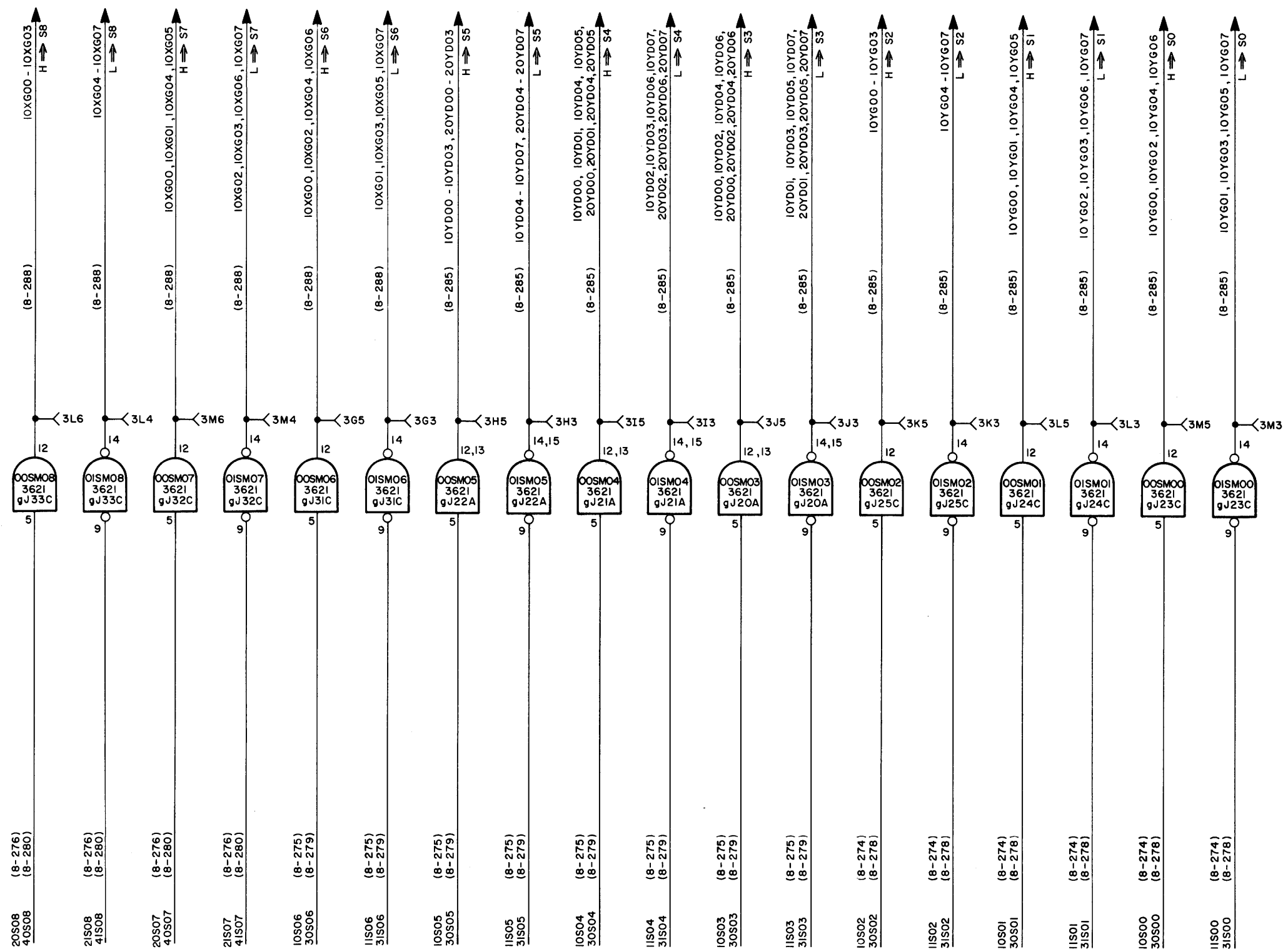
UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES. TOLERANCE ON	DRAFTSMAN	6-9-65	A
2 PLACE DECIMALS ± .005	D.C. WHEELER		
3 PLACE DECIMALS ± .001	CHECKER		
ANGLES ± .005	B. POPOV		
HOLE DIAMETER TOLERANCE	ENGINEER		
0 THRU .250 ± .003	R. SVOBODNY		
.251 THRU .500 ± .005	APPROVAL		
.501 & LARGER ± .010	D. U. May		
THREADS: EXT. CL. 2A, INT. CL. 2B			
MATERIAL			
FINISH			

IDENT NO. 7032866-00	COMMODITY CODE	APPLICATION	

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:	
ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DEALT WITH IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.	

CODE IDENT NO.	SIZE	DWG. NO.
90536	D	7032866
SCALE	WEIGHT	SHEET OF

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	APPROVED



NOTE:

g	CHASSIS	REGISTER	INPUT
1	A10	S1 - LOWER	BITS 0-6
2	A11	S1 - UPPER	BITS 7-13
3	A12	S2 - LOWER	BITS 0-6
4	A13	S2 - UPPER	BITS 7-13

FIGURE 8-282

- 20S08 (8-276)
40S08 (8-280)
- 21S08 (8-276)
41S08 (8-280)
- 20S07 (8-276)
40S07 (8-280)
- 21S07 (8-276)
41S07 (8-280)
- 10S06 (8-275)
30S06 (8-279)
- 11S06 (8-275)
31S06 (8-279)
- 10S05 (8-275)
30S05 (8-279)
- 11S05 (8-275)
31S05 (8-279)
- 10S04 (8-275)
30S04 (8-279)
- 11S04 (8-275)
31S04 (8-279)
- 10S03 (8-275)
30S03 (8-279)
- 11S03 (8-275)
31S03 (8-279)
- 10S02 (8-274)
30S02 (8-278)
- 11S02 (8-274)
31S02 (8-278)
- 10S01 (8-274)
30S01 (8-278)
- 11S01 (8-274)
31S01 (8-278)
- 10S00 (8-274)
30S00 (8-278)
- 11S00 (8-274)
31S00 (8-278)

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL							

IDENT NO. 7032749 - 00

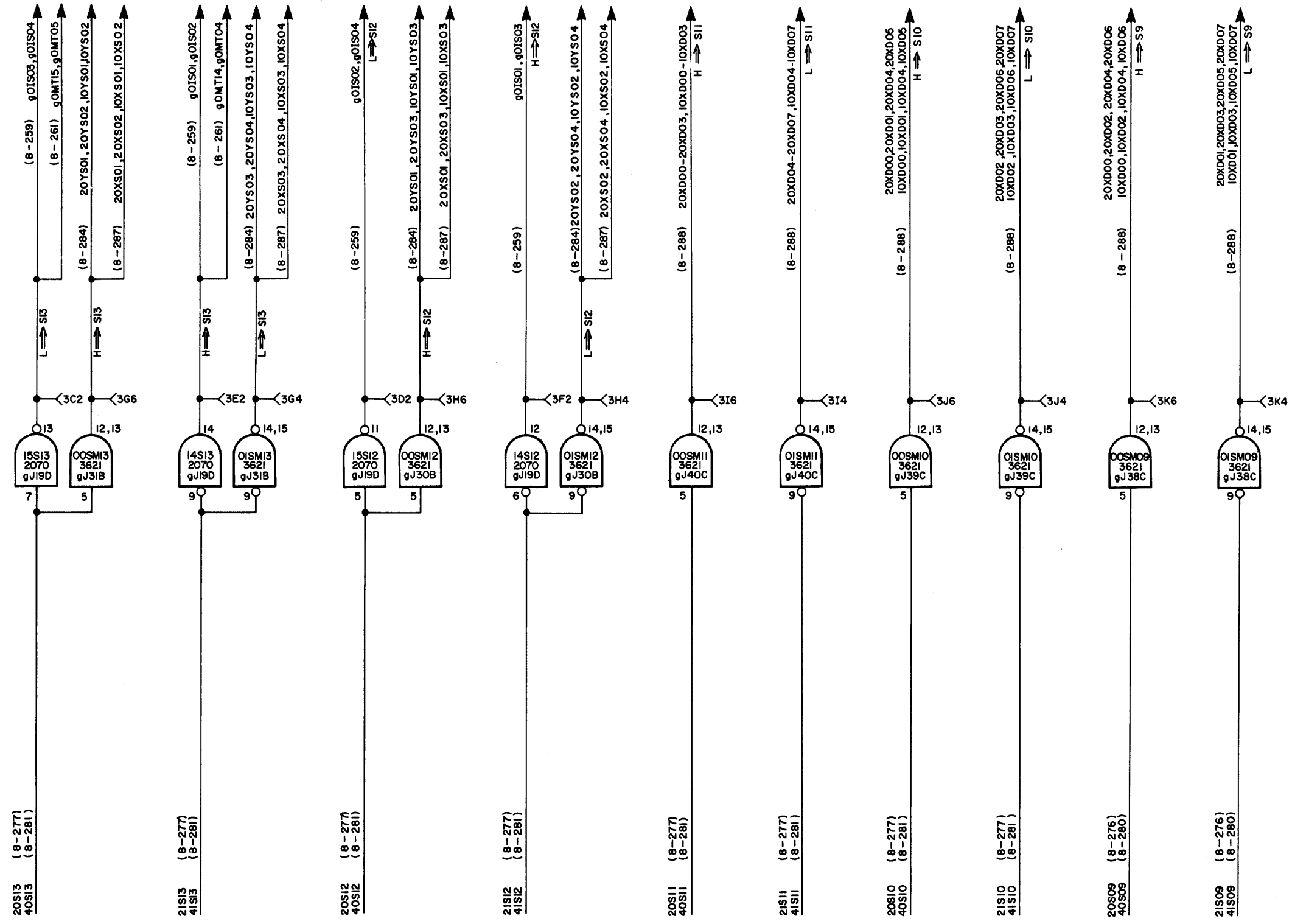
THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DEALT WITH IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES	TOLERANCE OR 3 PLACE DECIMALS
ANGLES	±
HOLE DIAMETER TOLERANCE	±
THREADS: EXT. CL. 2A, INT. CL. 2B	
MATERIAL	
FINISH	

LAYOUT	DATE	CLASS	TITLE
DRAFTSMAN R. M. BECKMAN	8-19-65	A	FUNCTIONAL SCHEMATIC, S REGISTER SLAVES BITS 00-08
CHECKER B. POPOV	B.P. 9-15-65		
ENGINEER R. SVOBODNY	R.S. 9-15-65		
APPROVAL <i>[Signature]</i>			
COMMODITY CODE		90536	7032749
		D	

REVISIONS			
SYM	ZONE	EIR	APPROVED



NOTE:

Q	CHASSIS	REGISTER	INPUT
1	A10	S1 - LOWER	BITS 0-6
2	A11	S1 - UPPER	BITS 7-13
3	A12	S2 - LOWER	BITS 0-6
4	A13	S2 - UPPER	BITS 7-13

FIGURE 8-283

IDENT NO. 7032750-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:
 ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DEALT WITH IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL							
UNLESS OTHERWISE SPECIFIED				LAYOUT		DATE	
DIMENSION IN INCHES. TOLERANCE OR		3 PLACE DECIMALS		DRAFTSMAN		8-19-65	
2 PLACE DECIMALS		ANGLES		D. STATTS			
HOLE DIAMETER TOLERANCE		0 THRU .250		CHECKER		9-15-65	
+.003		.251 THRU .500		B. POPOV			
-.002		.501 & LARGER		ENGINEER			
		+.010		R. SVOBODNY			
		-.005		APPROVAL			
		THREADS: EXPT. CL. 2A, INT. CL. 2B		FINISH			
NEXT ASSY		EQUIPMENT		COMMODITY CODE			
APPLICATION		FINISH		CLASS		A	
				TITLE		FUNCTIONAL SCHEMATIC, S REGISTER SLAVES BITS 09-13	
				CODE IDENT NO.		90536	
				SIZE		D	
				DWG NO.		7032750	
				SCALE			
				WEIGHT			
				SHEET		1 OF 1	

REVISIONS			CHK	DATE	APPROVED
SYM	ZONE	EIR	DESCRIPTION		
A		71698	SEE EIR		<i>[Signature]</i>

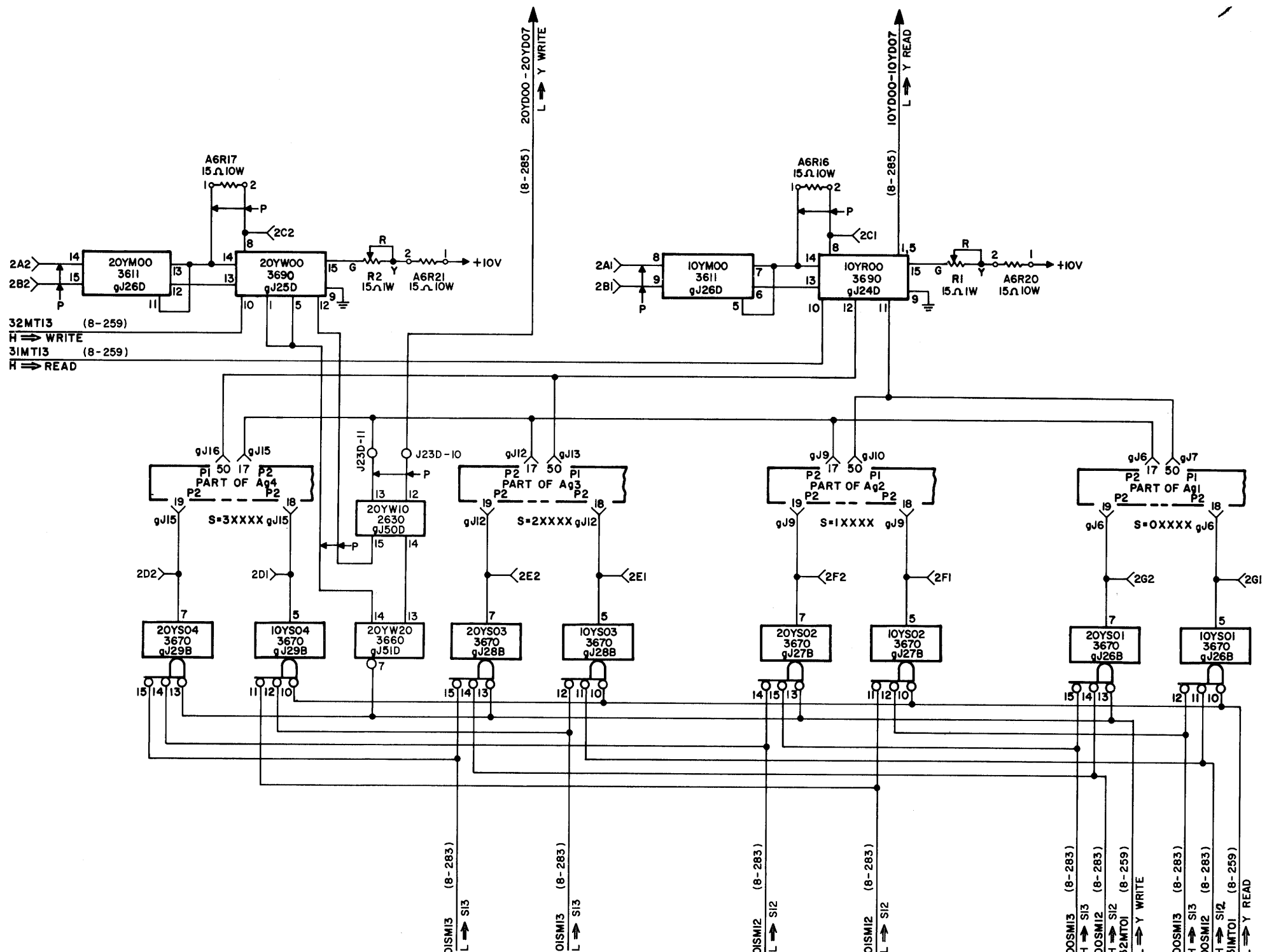


FIGURE 8-284

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						

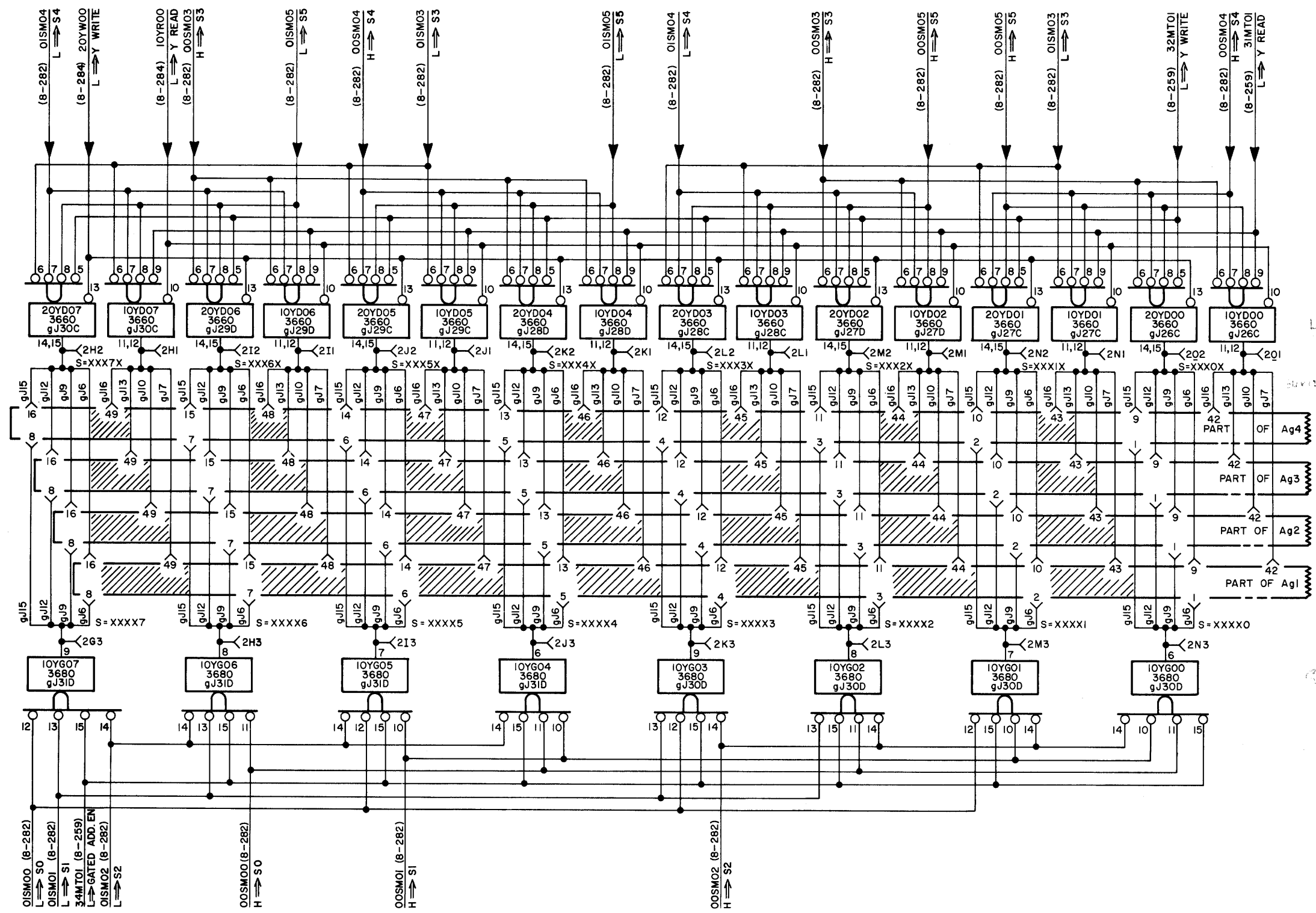
IDENT NO. 7032757-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:
 ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON ARE NOT TO BE REPRODUCED IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES. TOLERANCE ON	
2 PLACE DECIMALS	± .005
3 PLACE DECIMALS	± .0005
ANGLES	± .010
HOLE DIAMETER TOLERANCE	
0 THRU .250	± .005
.251 THRU .500	± .004
.501 & LARGER	± .010
THREADS: EXPT. CL. 2A, INT. CL. 2B	
MATERIAL	
FINISH	

LAYOUT	DATE	CLASS	
DRAFTSMAN R.CALTON	3-24-65	A	
CHECKER B.POPOV	9-15-65		
ENGINEER R.SVOBODNY	9-15-65		
APPROVAL <i>[Signature]</i>	9-15-65		
TITLE		FUNCTIONAL SCHEMATIC, Y STACK SELECTION	
CODE IDENT NO.	SIZE	DWG NO.	
90536	D	7032757	
SCALE	WEIGHT	SHEET 1 OF 1	

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED



LINE *Schmitt Trigger*

GROUP *Transformer Drive*

FIGURE 8-285

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

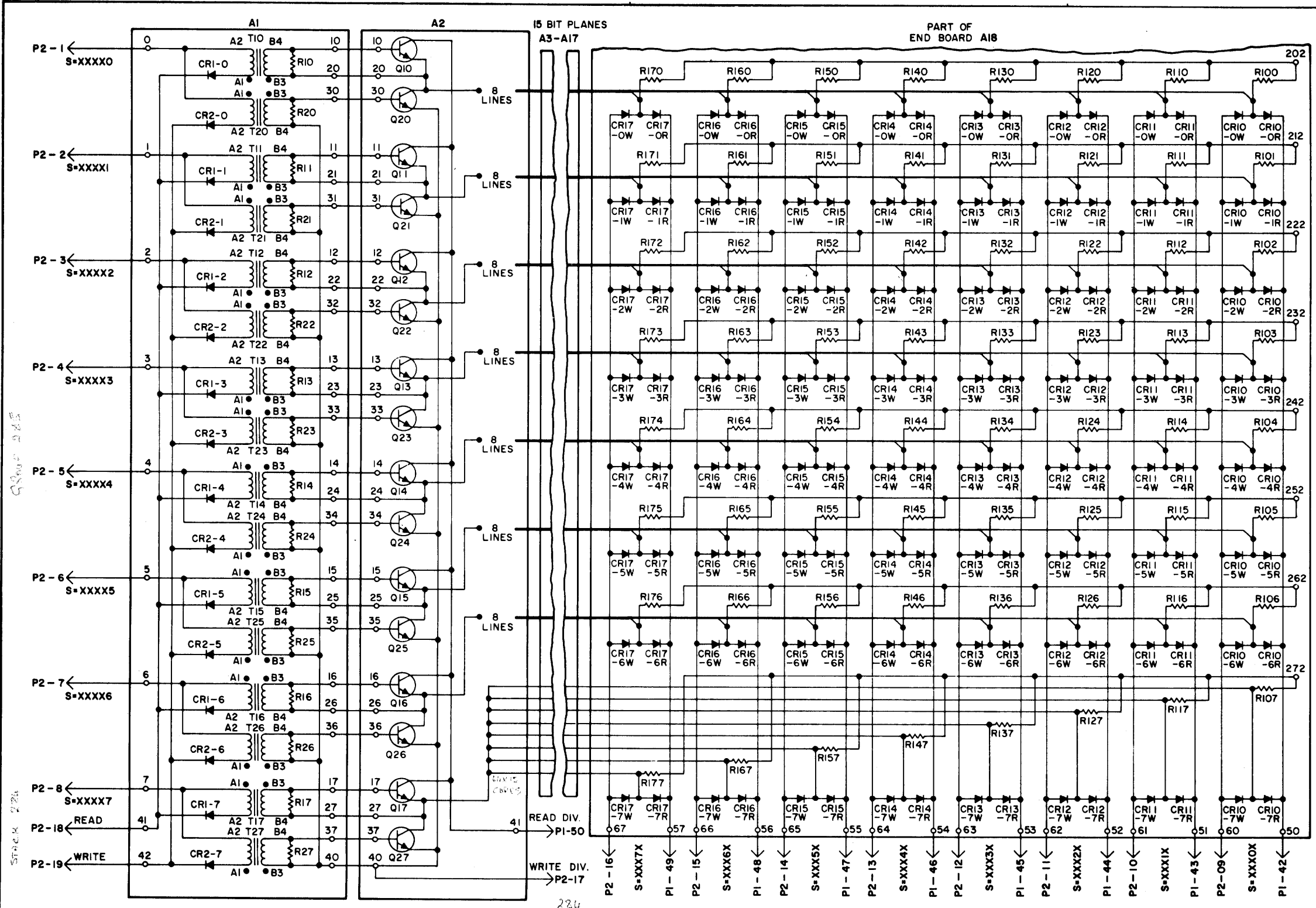
IDENT NO. 7032754-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DEALT WITH IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

UNLESS OTHERWISE SPECIFIED	DIMENSION IN INCHES. TOLERANCE OR 2 PLACE DECIMALS	±
	DIMENSION IN INCHES. TOLERANCE OR 3 PLACE DECIMALS	±
HOLE DIAMETER TOLERANCE	0 THRU .250	± .003
	.251 THRU .500	± .005
THREADS: EXT. INT. CL. 2B	.501 & LARGER	± .010
		± .005
MATERIAL		
FINISH		
APPLICATION		
COMMODITY CODE		

LAYOUT	DATE	CLASS	UNIVAC DIVISION OF SPERRY RAND CORPORATION
DRAFTSMAN D. STATS	52865	A	
CHECKER B. POPOV	<i>B.P. 9-15-65</i>	TITLE	FUNCTIONAL SCHEMATIC, Y DIODE AND GROUP ADDRESS TRANSLATION
ENGINEER R. SVOBODNY	<i>R.S. 9-15-65</i>	CODE IDENT NO.	
APPROVAL <i>R.S. 9-15-65</i>		SIZE	DWG NO.
		90536	7032754
		SCALE	SHEET OF



71698	SEE EIR	6/24/65
-------	---------	---------

FIGURE 8-286

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNIVAC			DIVISION OF SPERRY RAND CORPORATION			
DRAFTSMAN G. RICE		DATE 7-2-65	TITLE CORE MEMORY STACK Y AXIS DRIVE			
CHECKER B. POPOV		APPROVAL R. SVOBODNY	CODE IDENT NO. 703286			
ENGINEER		DATE 7-15-65	SIZE D			
APPROVAL [Signature]		DATE 7-15-65	DWG NO. 7032861			
APPLICATION		SCALE				
COMMODITY CODE		WEIGHT				
		SHEET OF				

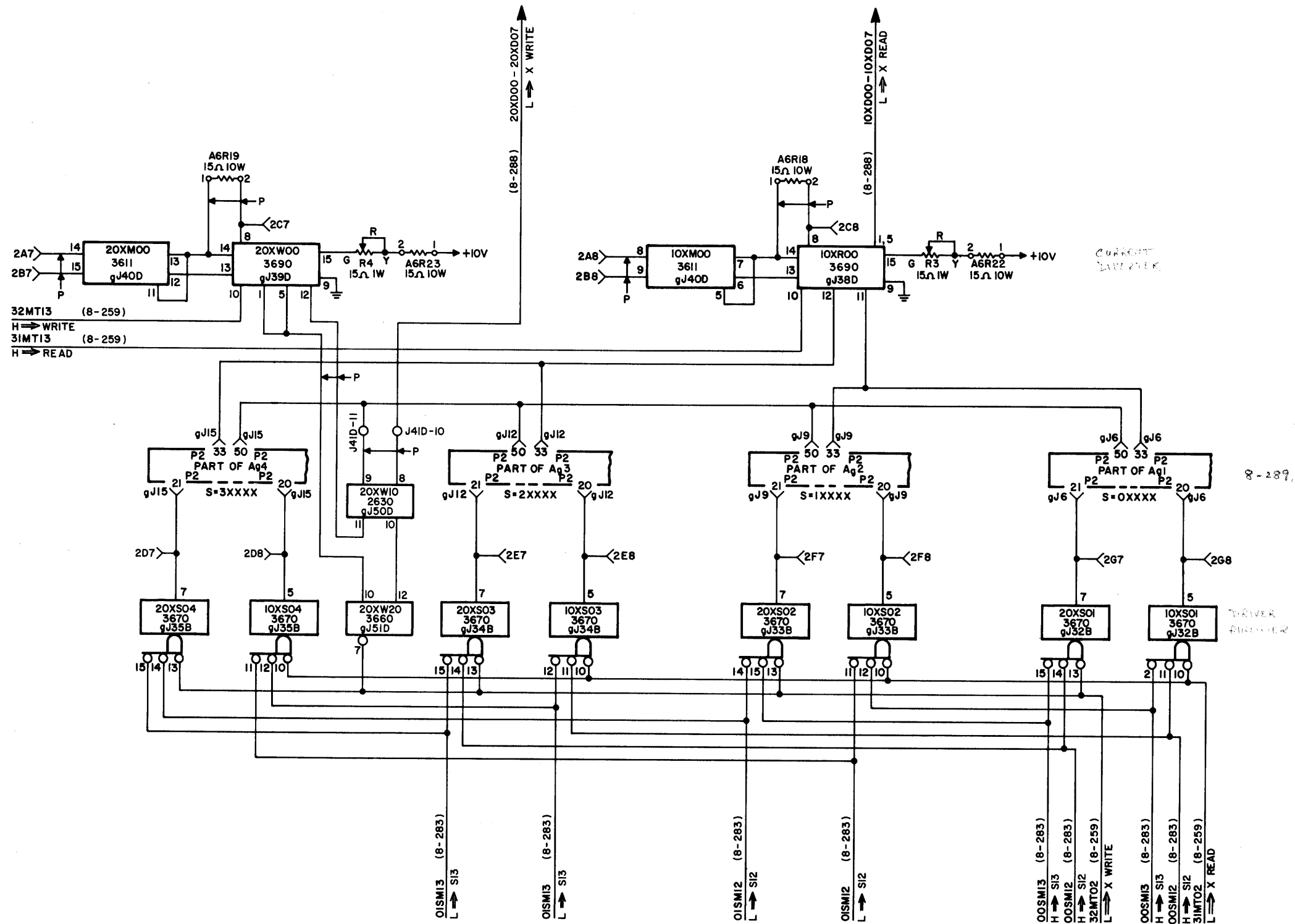
IDENT NO. 7032861-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DEALT WITH IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES: TOLERANCE ON 2 PLACE DECIMALS	TOLERANCE ON 3 PLACE DECIMALS
± .003	± .001
± .002	± .0005
HOLE DIAMETER TOLERANCE	
Ø THRU .250	Ø .251 THRU .500
± .003	± .002
± .002	± .001
THREADS: UN, UNF, INT, CL, 2B	
FINISH	

REVISIONS				CHK	DATE	APPROVED
SYM	ZONE	EIR	DESCRIPTION			
A		71698	SEE EIR			<i>[Signature]</i>



EACH CHASSIS
FIGURE 8-287

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						

IDENT NO. 7032756-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DEALT WITH IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES	TOLERANCE OR FINISH
2 PLACE DECIMALS	3 PLACE DECIMALS
3 PLACE DECIMALS	ANGLES
HOLE DIAMETER TOLERANCE	
0 THRU .250	.003
.251 THRU .500	.004
.501 & LARGER	.010
THREADS EXCEPT AS INT. CL. 2B	
MATERIAL	
FINISH	

LAYOUT	DATE	CLASS	UNIVAC	
DRAFTSMAN R. CALTON	3-31-65	A	DIVISION OF SPERRY RAND CORPORATION	
CHECKER B. POPOV			TITLE	
ENGINEER R. SVOBODNY			FUNCTIONAL SCHEMATIC, X STACK SELECTION	
APPROVAL <i>[Signature]</i>			CODE IDENT NO.	DWG NO.
			90536	7032756
			SCALE	WEIGHT
				SHEET OF

REVISIONS			
SYM	ZONE	EIR	DESCRIPTION

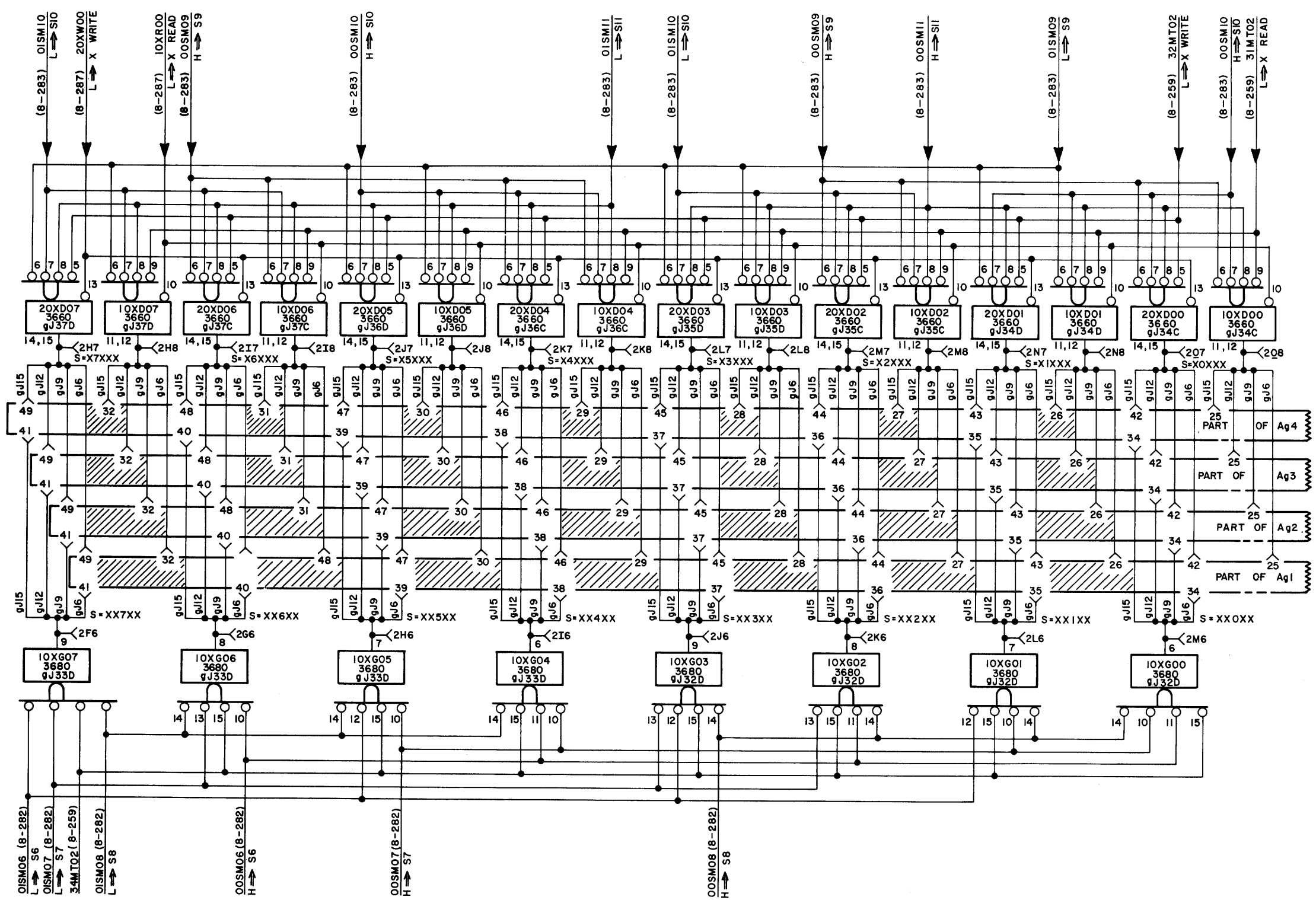
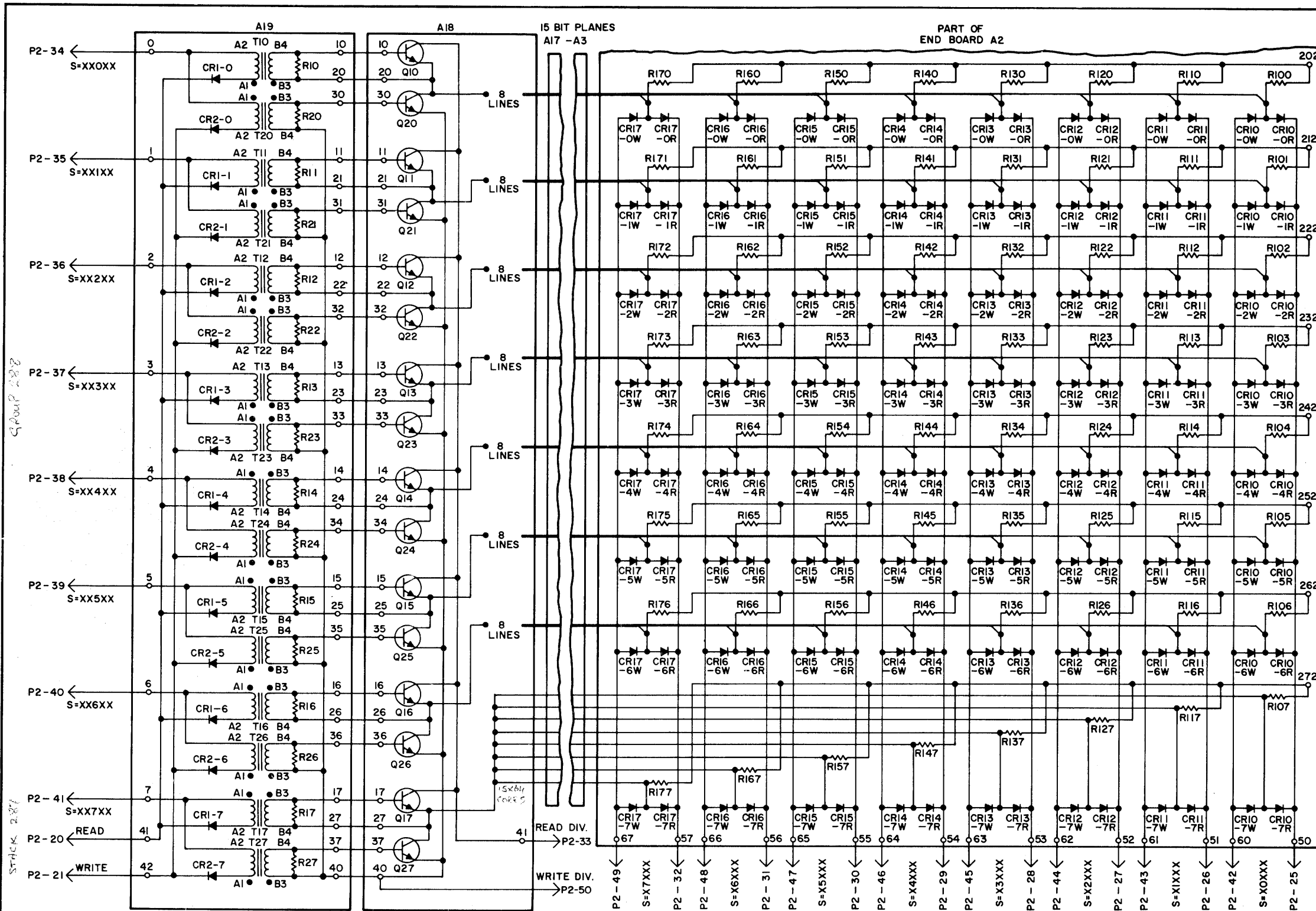


FIGURE 8-288

IDENT NO. 7032755-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:
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UNLESS OTHERWISE SPECIFIED		LAYOUT	DATE	CLASS	UNIVAC	
DIMENSION IN INCHES TOLERANCE OF 3 PLACE DECIMALS		DRAFTSMAN	5-28-65	A	DIVISION OF SPERRY RAND CORPORATION	
HOLE DIAMETER TOLERANCE		CHECKER		TITLE		
0 THRU .250 ±.003		ENGINEER		FUNCTIONAL SCHEMATIC, X DIODE AND GROUP ADDRESS TRANSLATION		
.251 THRU .500 ±.005		APPROVAL		CODE IDENT NO.	SIZE	DWG NO.
.501 & LARGER ±.010				90536	D	7032755
THREADS: EXT. CL. 2A, INT. CL. 2B				SCALE	WEIGHT	SHEET 1 OF 1
MATERIAL						
FINISH						
NEXT ASSY						
APPLICATION						
COMMODITY CODE						



REVISIONS			
SYM	ZONE	EIR	DESCRIPTION
A		71698	SEE EIR

4 PER CHANNEL
FIGURE 8-289

QTY	FIND	REF DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL	
DATE	CLASS
7/12/65	A
UNIVAC	
DIVISION OF SPERRY RAND CORPORATION	
DRAFTSMAN	TITLE
G. RICE	CORE MEMORY STACK, X AXIS DRIVE
CHECKER	ENGINEER
B. POPOV	R. SVOBODNY
APPROVAL	
CODE IDENT NO.	SIZE
90536	D
DWG NO.	
7032862	
SCALE	WEIGHT
SHEET	OF

IDENT NO. 7032862-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DEALT WITH IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

UNLESS OTHERWISE SPECIFIED		
DIMENSION IN INCHES. TOLERANCE ON		
2 PLACE DECIMALS	3 PLACE DECIMALS	ANGLES
± .005	± .001	± .010
± .002	± .0005	± .005
HOLE DIAMETER TOLERANCE		
0 THRU .250	.251 THRU .500	.501 & LARGER
± .003	± .002	± .010
± .002	± .001	± .005
THREADS: EXT. CL. INT. CL. 2B		
MATERIAL		
FINISH		
LAYOUT		
DATE		
CLASS		
DRAFTSMAN		
G. RICE		
CHECKER		
B. POPOV		
ENGINEER		
R. SVOBODNY		
APPROVAL		
DU Major		

STACK 287

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED

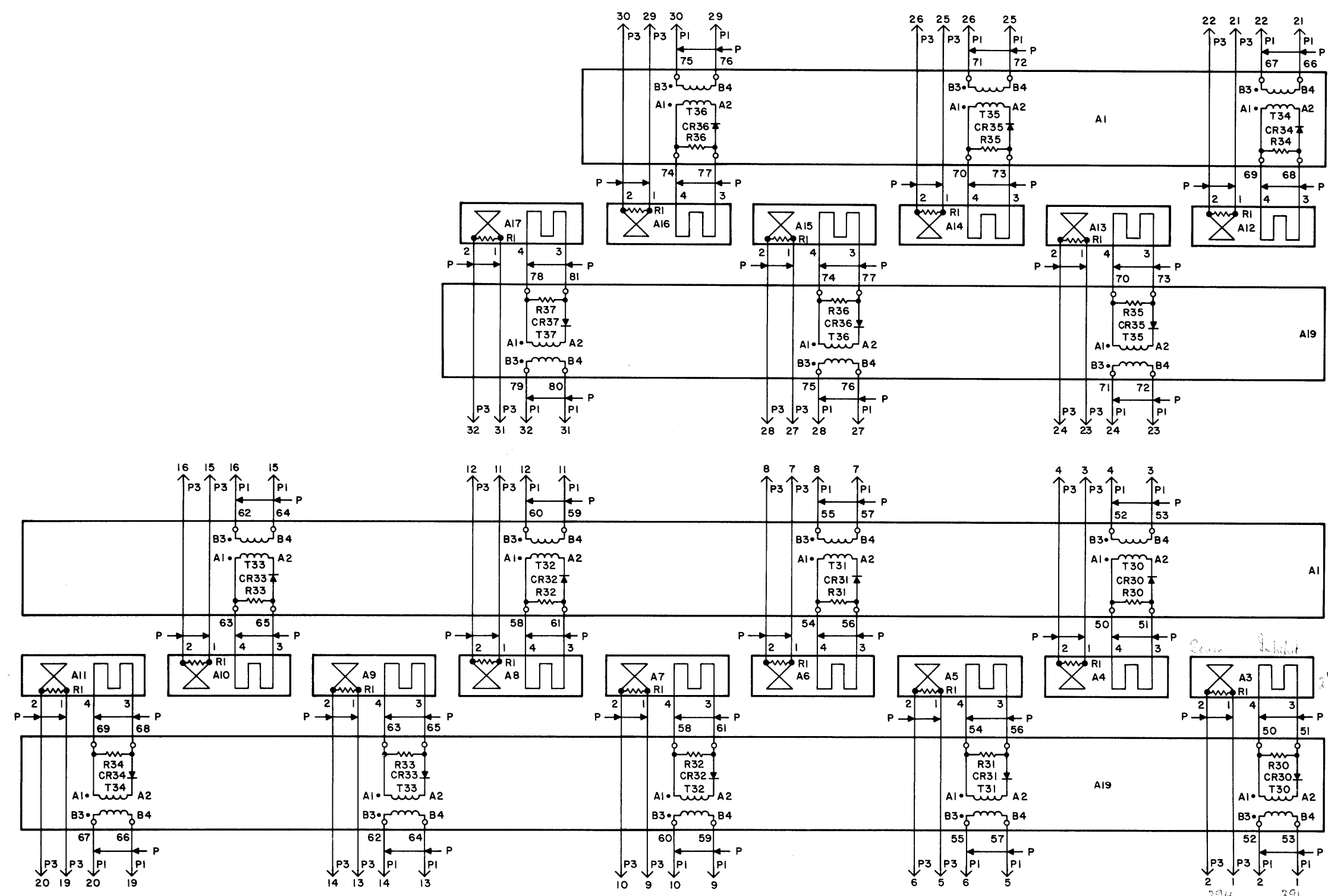


FIGURE 8-290

QTY	FIND	REF	DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL

UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES TOLERANCE ON 2 PLACE DECIMALS	DRAFTSMAN	7/26/65	A
	G. RICE		
	CHECKER		
	B. POPOV		
	ENGINEER		
	R. SVOBODNY		
	APPROV		

IDENT NO. 7032860-00	COMMODITY CODE	APPLICATION	EQUIPMENT	FINISH

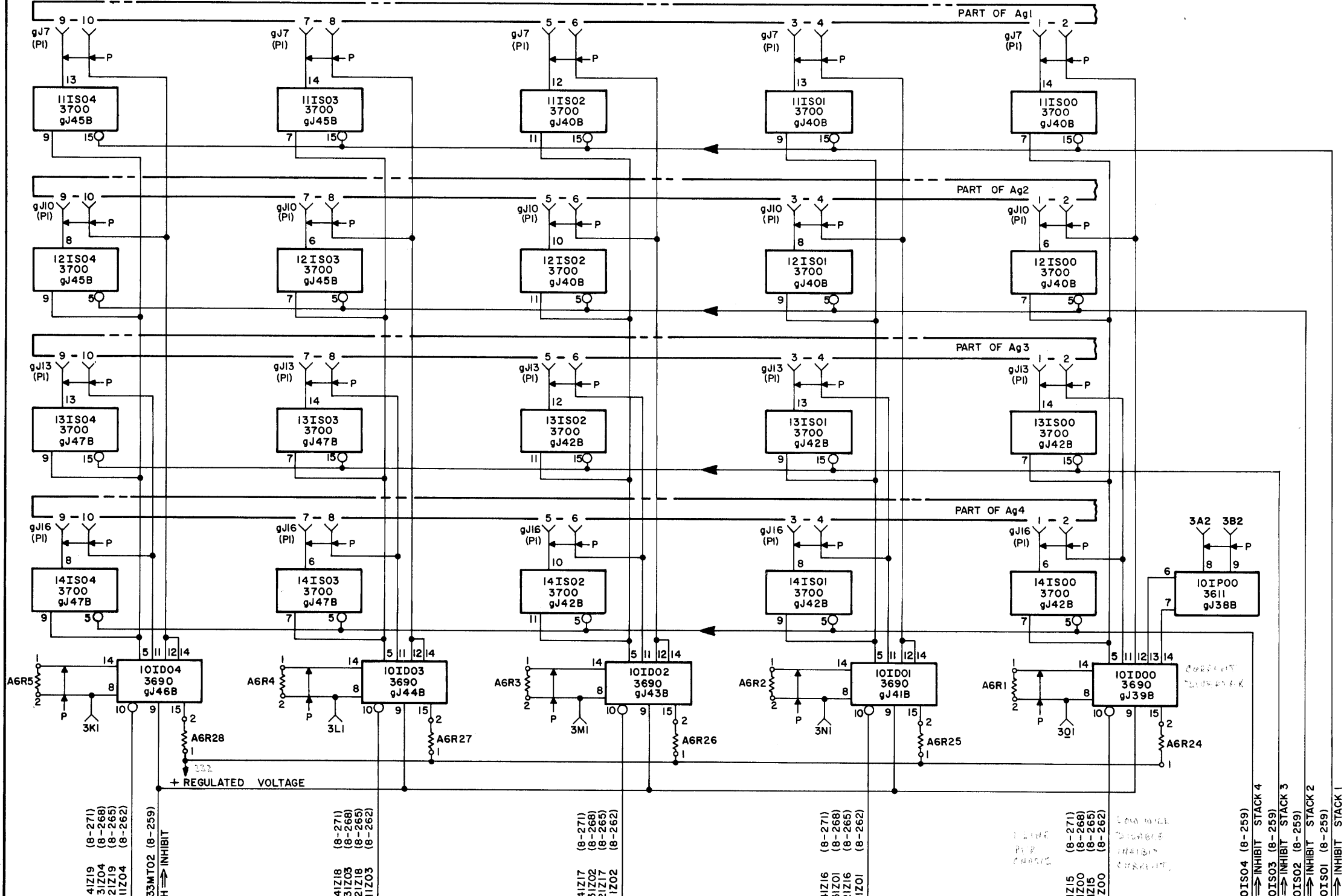
CODE IDENT NO.	SIZE	DWG NO.
90536	D	7032860

IDENT NO. 7032860-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DEALT WITH IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

REVISIONS				
NO.	DATE	DESCRIPTION	BY	APPROVED



4I219 (8-271)
3I204 (8-268)
2I219 (8-265)
1I204 (8-262)
33MT02 (8-259)
H → INHIBIT

4I218 (8-271)
3I203 (8-268)
2I218 (8-265)
1I203 (8-262)

4I217 (8-271)
3I202 (8-268)
2I217 (8-265)
1I202 (8-262)

4I216 (8-271)
3I201 (8-268)
2I216 (8-265)
1I201 (8-262)

4I215 (8-271)
3I200 (8-268)
2I215 (8-265)
1I200 (8-262)

30IS04 (8-259) L → INHIBIT STACK 4
30IS03 (8-259) L → INHIBIT STACK 3
30IS02 (8-259) L → INHIBIT STACK 2
30IS01 (8-259) L → INHIBIT STACK 1

IDENT NO. 7032751-00

ON THE UNDERSTANDING THAT THIS DRAWING AND THE INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF SPERRY RAND CORPORATION AND ARE TO BE USED ONLY FOR THE PURPOSES AND IN CONNECTION WITH THE CONTRACT OR ORDER UNDER WHICH THIS DRAWING WAS PREPARED.

UNLESS OTHERWISE SPECIFIED:		DATE		CLASS	
SIZE	TOLERANCE	3-19-65	A		
FRAMES	DECIMALS	UNIVAC			
ANGLES		DIVISION OF SPERRY RAND CORPORATION			
HOLE DIA	HOLE DRILL	DRAFTSMAN		TITLE	
± .005	± .005	V. STEEBER		FUNCTIONAL SCHEMATIC, INHIBITS BITS 00-04	
± .010	± .010	CHECKER		CODE IDENT NO.	
± .005	± .005	B. POPOV		SIZE	
± .005	± .005	R. SVOBODNY		D	
		APPROVAL		DWG NO.	
		[Signature]		7032751	
				SCALE	
				WEIGHT	
				SHEET	
				OF	

EACH CHASSIS
FIGURE 8-291

QTY	FIND	REF DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD			IDENT	SIZE	IDENTIFYING NO.	

LIST OF MATERIAL

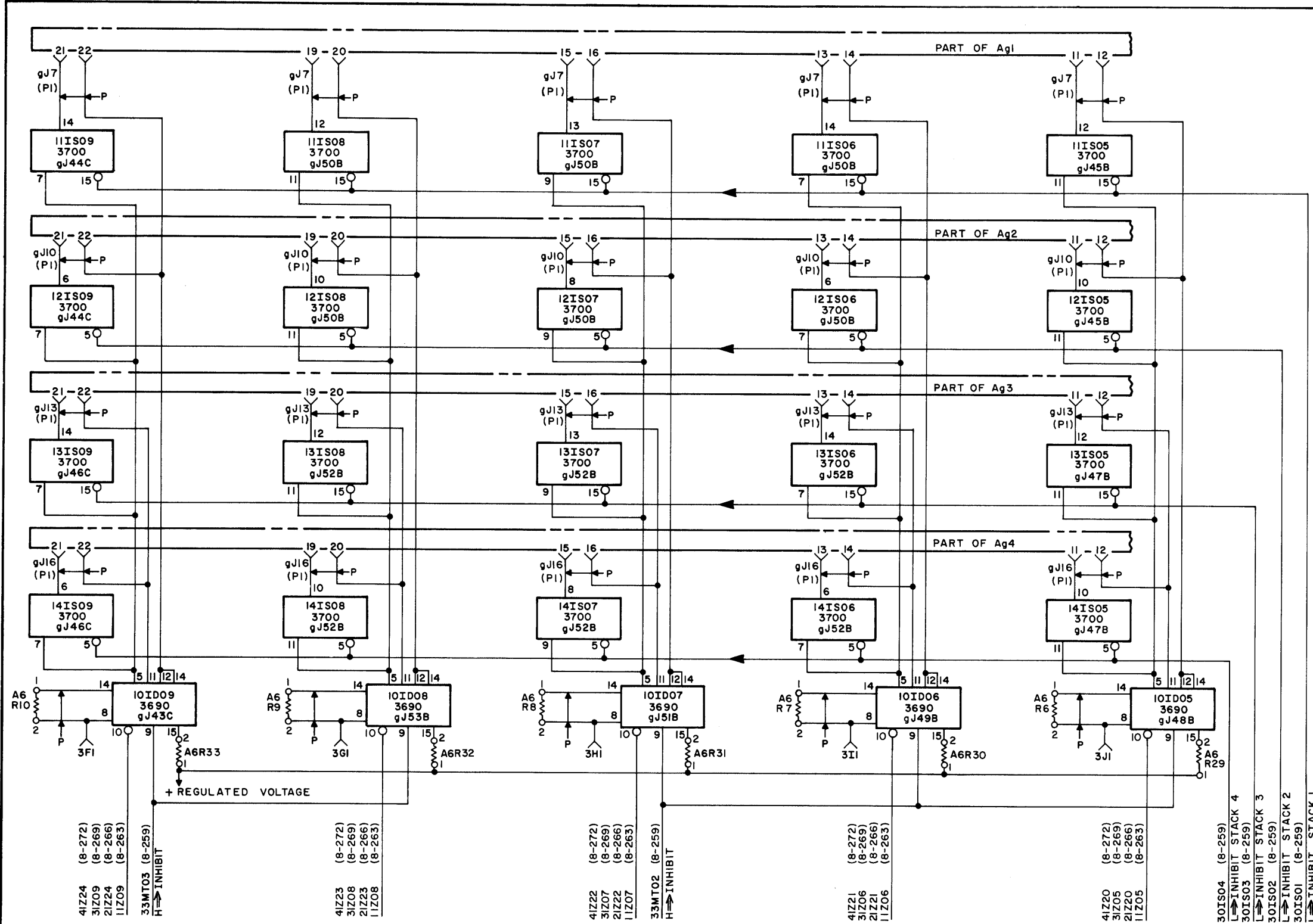


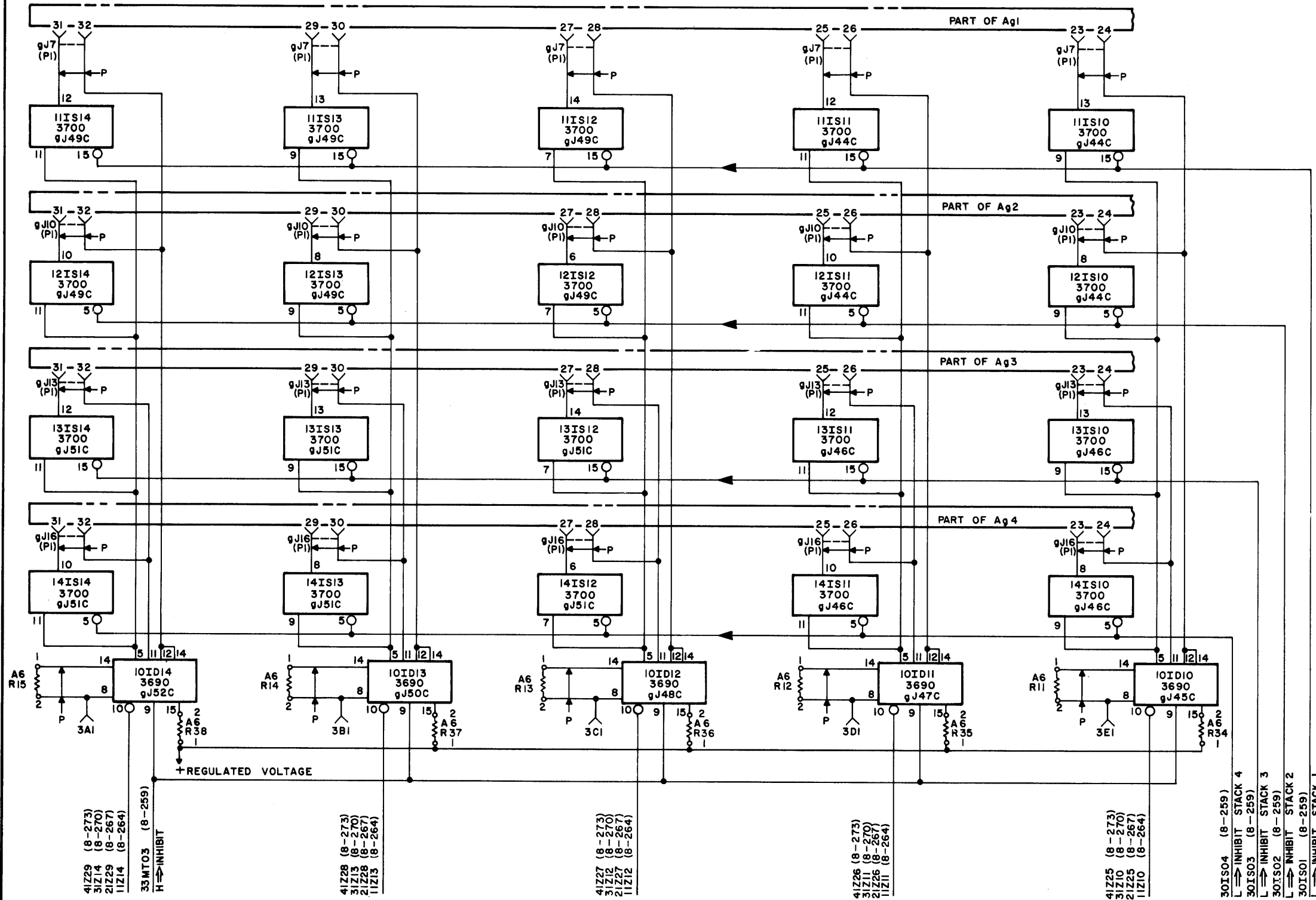
FIGURE 8-292

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNLESS OTHERWISE SPECIFIED:			LAYOUT			
DIMENSIONS IN INCHES: TOLERANCE ON FRACTIONS - 3 PLACE DECIMALS			DATE			
DIMENSIONS IN MILLIMETERS: TOLERANCE ON FRACTIONS - 0.05			CLASS			
DIMENSIONS IN MILLIMETERS: TOLERANCE ON FRACTIONS - 0.10			A			
DIMENSIONS IN MILLIMETERS: TOLERANCE ON FRACTIONS - 0.15			DIVISION OF SPERRY RAND CORPORATION			
DIMENSIONS IN MILLIMETERS: TOLERANCE ON FRACTIONS - 0.20			DRAFTSMAN			
DIMENSIONS IN MILLIMETERS: TOLERANCE ON FRACTIONS - 0.25			V. STEEBER			
DIMENSIONS IN MILLIMETERS: TOLERANCE ON FRACTIONS - 0.30			CHECKER			
DIMENSIONS IN MILLIMETERS: TOLERANCE ON FRACTIONS - 0.35			B. POPOV			
DIMENSIONS IN MILLIMETERS: TOLERANCE ON FRACTIONS - 0.40			ENGINEER			
DIMENSIONS IN MILLIMETERS: TOLERANCE ON FRACTIONS - 0.45			R. SVOBODNY			
DIMENSIONS IN MILLIMETERS: TOLERANCE ON FRACTIONS - 0.50			APPROVAL			
DIMENSIONS IN MILLIMETERS: TOLERANCE ON FRACTIONS - 0.55			[Signature]			
DIMENSIONS IN MILLIMETERS: TOLERANCE ON FRACTIONS - 0.60			DATE			
DIMENSIONS IN MILLIMETERS: TOLERANCE ON FRACTIONS - 0.65			9-15-65			
DIMENSIONS IN MILLIMETERS: TOLERANCE ON FRACTIONS - 0.70			CODE IDENT NO.			
DIMENSIONS IN MILLIMETERS: TOLERANCE ON FRACTIONS - 0.75			90536			
DIMENSIONS IN MILLIMETERS: TOLERANCE ON FRACTIONS - 0.80			SIZE			
DIMENSIONS IN MILLIMETERS: TOLERANCE ON FRACTIONS - 0.85			D			
DIMENSIONS IN MILLIMETERS: TOLERANCE ON FRACTIONS - 0.90			DWG NO.			
DIMENSIONS IN MILLIMETERS: TOLERANCE ON FRACTIONS - 0.95			7032752			
DIMENSIONS IN MILLIMETERS: TOLERANCE ON FRACTIONS - 1.00			SCALE			
DIMENSIONS IN MILLIMETERS: TOLERANCE ON FRACTIONS - 1.05			WEIGHT			
DIMENSIONS IN MILLIMETERS: TOLERANCE ON FRACTIONS - 1.10			SHEET			
DIMENSIONS IN MILLIMETERS: TOLERANCE ON FRACTIONS - 1.15			OF			

IDENT NO. 7032752-00

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REVISIONS			
NO.	DATE	DESCRIPTION	BY



41Z29 (8-273)
31Z14 (8-270)
21Z29 (8-267)
11Z14 (8-264)
33MT03 (8-259)
H → INHIBIT

41Z28 (8-273)
31Z13 (8-270)
21Z28 (8-267)
11Z13 (8-264)

41Z27 (8-273)
31Z12 (8-270)
21Z27 (8-267)
11Z12 (8-264)

41Z26 (8-273)
31Z11 (8-270)
21Z26 (8-267)
11Z11 (8-264)

41Z25 (8-273)
31Z10 (8-270)
21Z25 (8-267)
11Z10 (8-264)

30IS04 (8-259)
30IS03 (8-259)
30IS02 (8-259)
30IS01 (8-259)
INHIBIT STACK 4
INHIBIT STACK 3
INHIBIT STACK 2
INHIBIT STACK 1

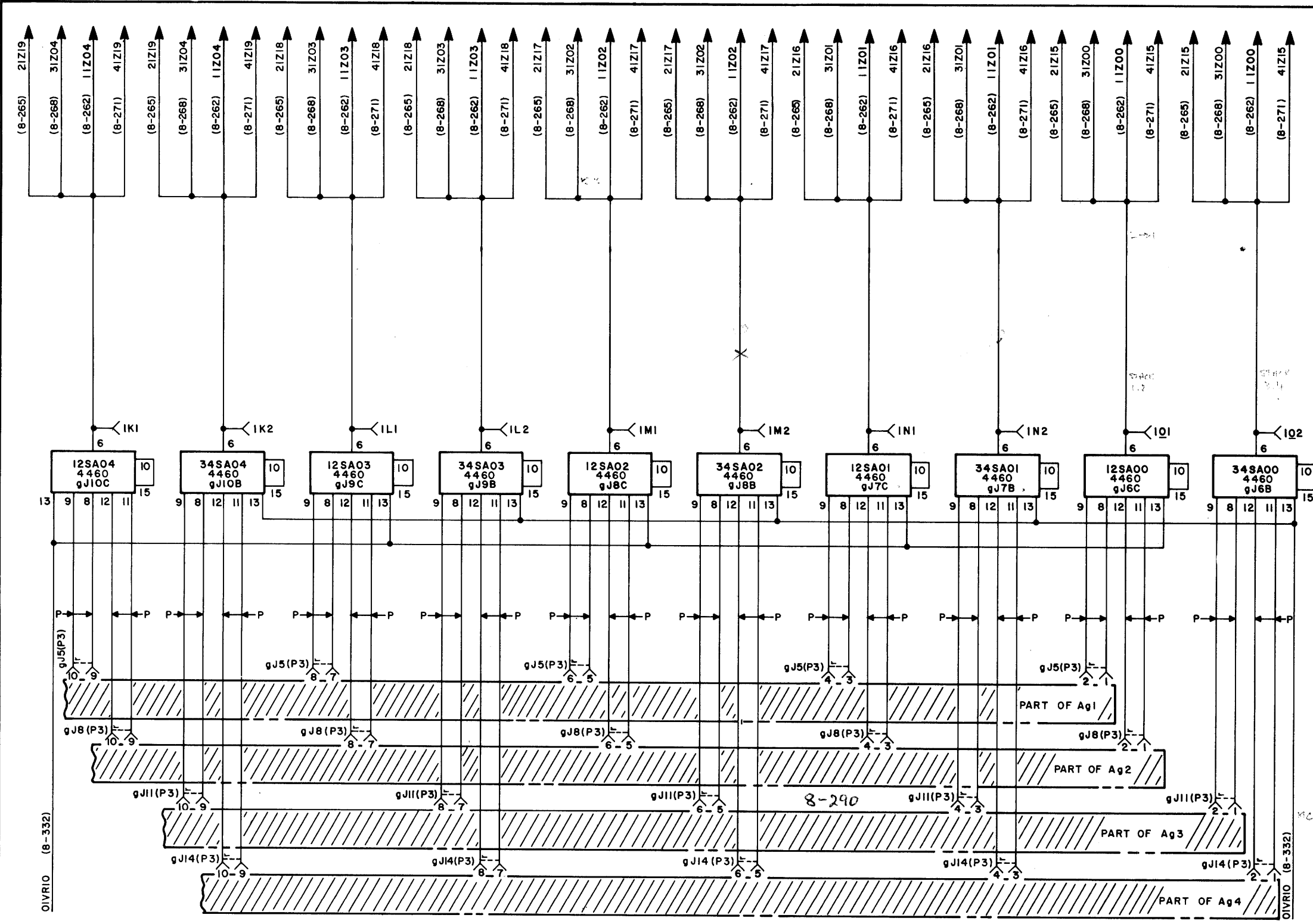
FIGURE 8-293

QTY	FIND	REF DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD			IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL						

IDEN: NO. 7032753-00

	DATE		CLASS
	3-22-65		A
	TITLE		
	FUNCTIONAL SCHEMATIC, INHIBITS BITS 10-14		
DRAFTSMAN		V. STEEBER	
CHECKER		B. POPOV	
ENGINEER		R. SVOBODNY	
APPROVAL		9-15-65	
CODE IDENT NO.		SIZE	DWG NO.
90536		D	7032753
SCALE		SHEET 1 OF 1	

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVED
A		71698	SEE EIR		<i>[Signature]</i>



no external signal on 9, 10, 11, 12, 13, 14, 15

g	CHASSIS	BITS
1	A10	Z1, 0-14
2	A11	Z1, 15-29
3	A12	Z2, 0-14
4	A13	Z2, 15-29

FIGURE 8-294

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL							

IDENT NO. 7032745-00

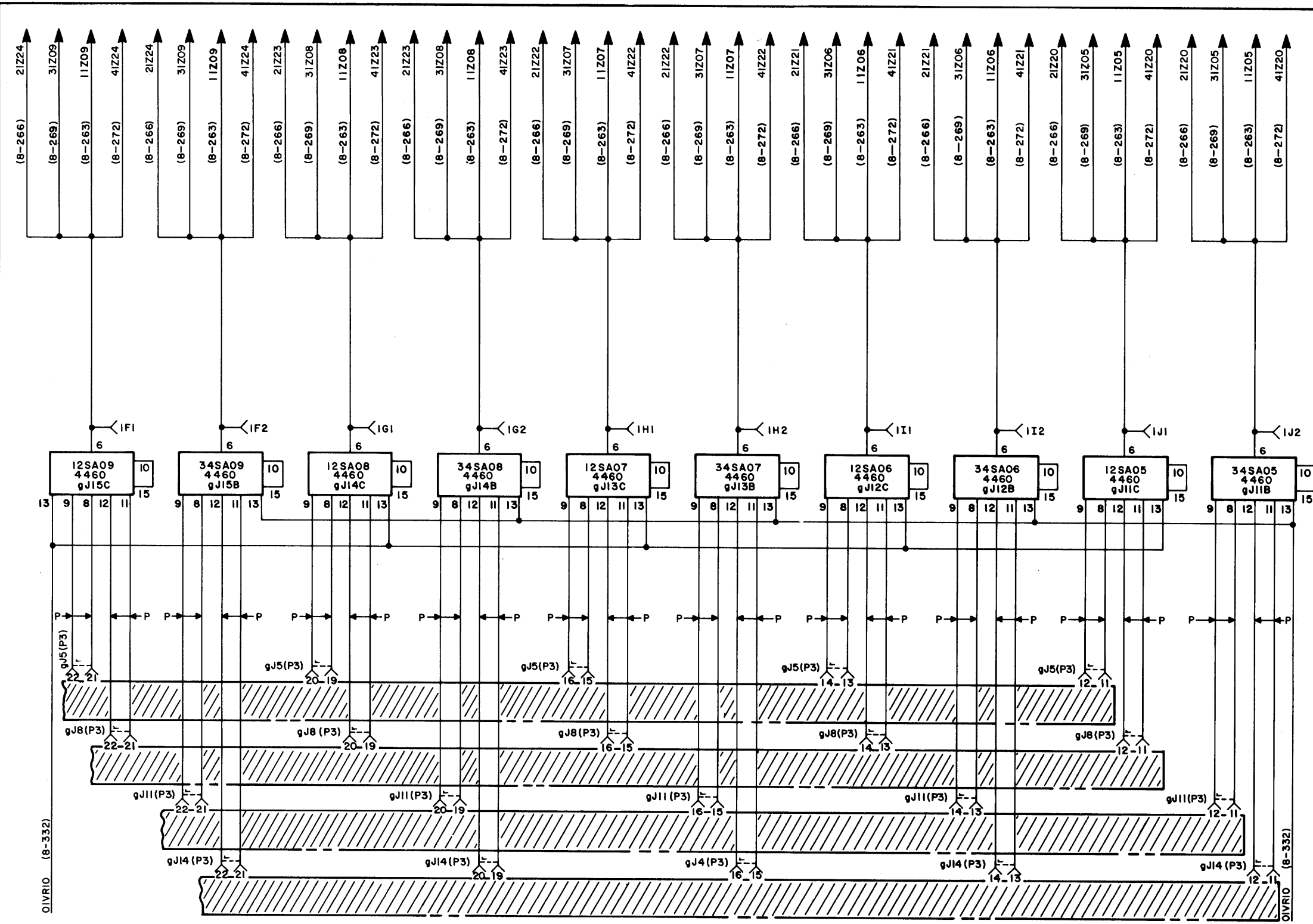
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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES. TOLERANCE ON	
2 PLACE DECIMALS	± .005
3 PLACE DECIMALS	± .001
ANGLES	± .010
HOLE DIAMETER TOLERANCE	
0 THRU .250	± .005
.251 THRU .500	± .003
.501 & LARGER	± .010
THREADS: EXT. CL. INT. CL. 2B	
MATERIAL	
FINISH	

LAYOUT	DATE	CLASS	TITLE
R. BRASKI	2-19-65	A	FUNCTIONAL SCHEMATIC, SENSE AMPS BITS 00-04
CHECKER R. POPOV	<i>[Signature]</i>		
ENGINEER R. SOVDOBNY	<i>[Signature]</i>		
APPROVAL <i>[Signature]</i>	2-19-65		
CODE IDENT NO.	SIZE	DWG NO.	
90536	D	7032745	
SCALE	WEIGHT	SHEET	OF

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		71698	SEE EIR			<i>[Signature]</i>



NOTE

g	CHASSIS	BITS
1	A10	Z1, 0-14
2	A11	Z1, 15-29
3	A12	Z2, 0-14
4	A13	Z2, 15-29

FIGURE 8-295

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL							

IDENT NO. 7032746-00

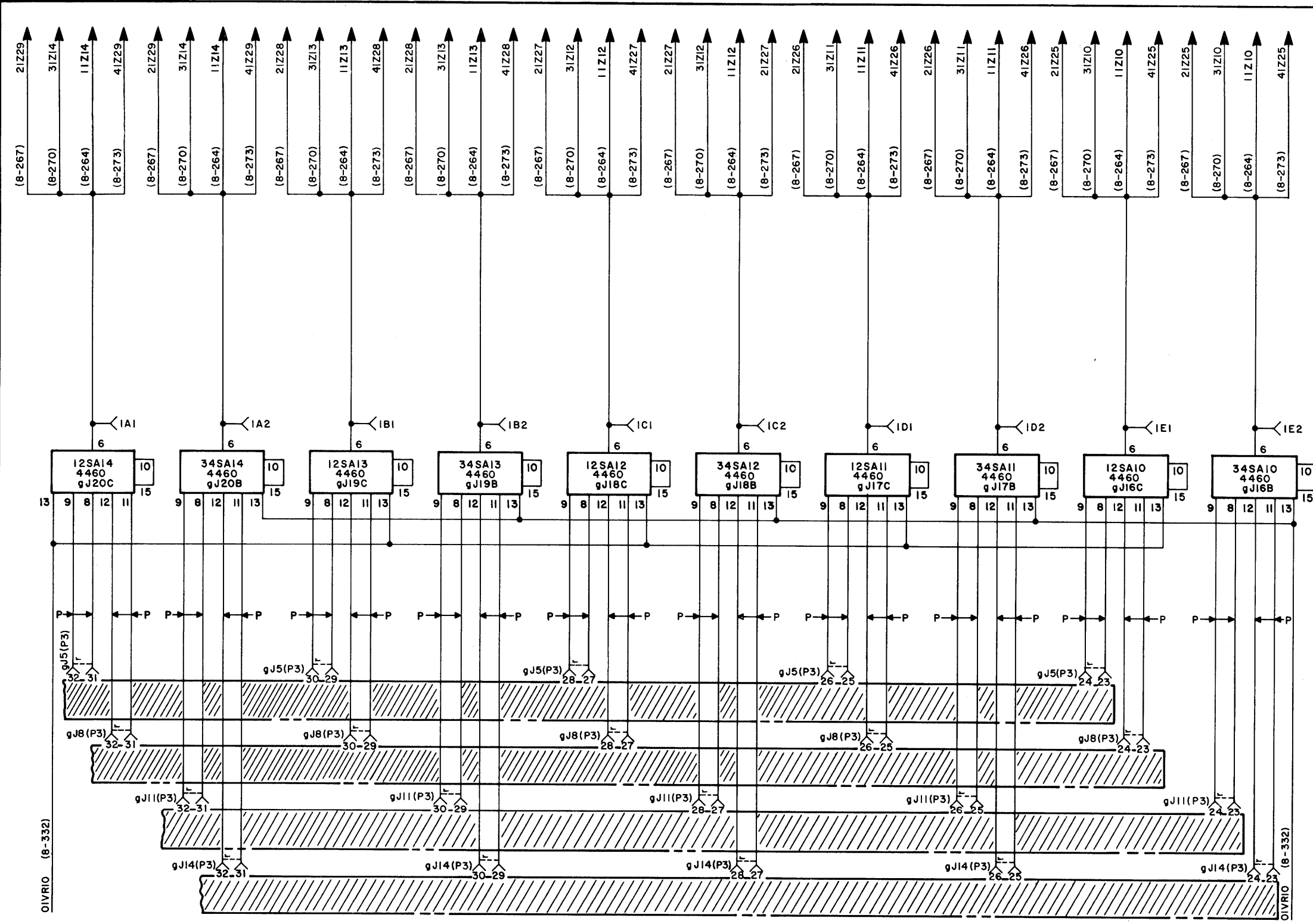
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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES	TOLERANCE ON
2 PLACE DECIMALS	± .005
3 PLACE DECIMALS	± .001
ANGLES	± .005
HOLE DIAMETER TOLERANCE	
0 THRU .390	± .005
.391 THRU .500	± .004
.501 & LARGER	± .003
THREADS	EXX-CL 2A, INT CL 2B
MATERIAL	
FINISH	

LAYOUT	DATE	CLASS	TITLE
DRAFTSMAN R. BRASKI	2-22-65	A	UNIVAC DIVISION OF SPERRY RAND CORPORATION
CHECKER B. POPOV			FUNCTIONAL SCHEMATIC, SENSE AMPS BITS 05-09
ENGINEER R.SVOBODNY			
APPROVAL <i>[Signature]</i>			
COMMODITY CODE		CODE IDENT NO.	SIZE
		90536	D
		DWG NO.	7032746
		SCALES	WEIGHT
			SHEET OF

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED
A		71698	SEE EIR	<i>R. Braski</i> <i>R. S. S.</i>



NOTE

g	CHASSIS
1	A10
2	A11
3	A12
4	A13

FIGURE 8-296

QTY	FIND	REF DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD			IDENT	SIZE	IDENTIFYING NO.	

IDENT NO. 7032747-00

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UNLESS OTHERWISE SPECIFIED	DATE	CLASS
DIMENSION IN INCHES: TOLERANCE ON 2 PLACE DECIMALS		A
3 PLACE DECIMALS		
ANGLES		
HOLE DIAMETER TOLERANCE		
0 THRU .999		
+ .003		
1 THRU 3.000		
+ .005		
3.001 & LARGER		
+ .010		
THREADS: EX. CL. 2A, INT. CL. 2B		
MATERIAL		
FINISH		

LAYOUT	DATE	CLASS	TITLE
DRAFTSMAN R. BRASKI	2-22-65	A	FUNCTIONAL SCHEMATIC, SENSE AMPS BITS 10-14
CHECKER B. POPOV	<i>B.P.</i> 2-15-65		
ENGINEER R. SVOBODNY	<i>R.S.S.</i> 2-15-65		
APPROVAL <i>R. S. S.</i>	1-15-65		

CODE IDENT NO.	SIZE	DWG NO.
90536	D	7032747

SCALE WEIGHT SHEET OF

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVED
A		71699	SEE EIR		<i>[Signature]</i>

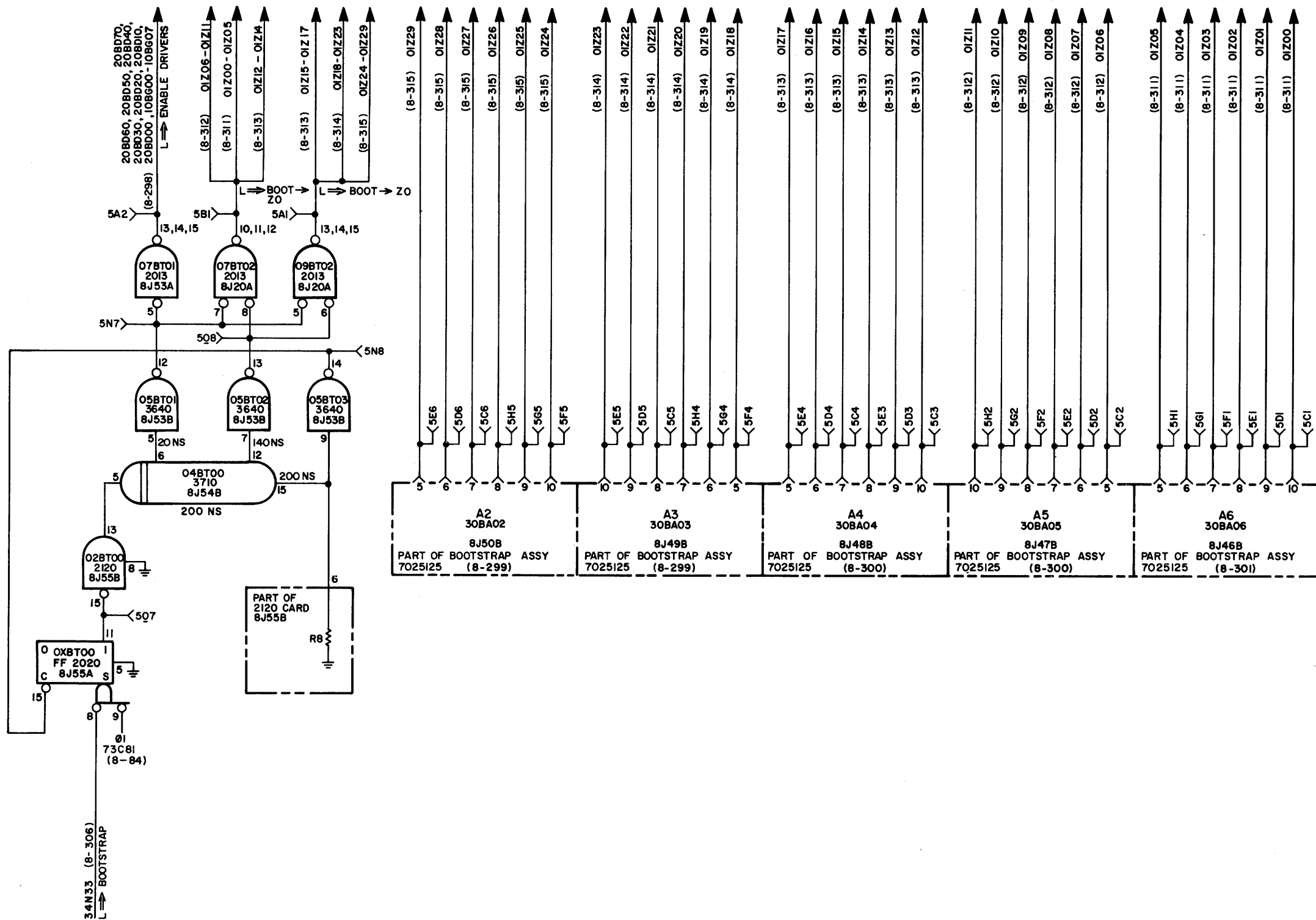


FIGURE 8-297

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL							
				UNLESS OTHERWISE SPECIFIED		DATE	
				DIMENSION IN INCHES. TOLERANCE OR		CLASS	
				2 PLACE DECIMALS		A	
				3 PLACE DECIMALS		DRAFTSMAN	
				ANGLES		B. MILLER	
				±		6-4-65	
				HOLE DIAMETER TOLERANCE		CHECKER	
				0 THRU .250 ±.005		B. POPOV	
				.251 THRU .500 ±.010		9-15-65	
				.501 & LARGER ±.010		ENGINEER	
				- .002		D.L. FAUSETT	
				THREADS: EXT. CL. INT. CL. 2B		APPROVAL	
				MATERIAL		<i>[Signature]</i>	
				FINISH		9-15-65	
				NEXT ASSY		EQUIPMENT	
				APPLICATION		COMMODITY CODE	
				DATE		CLASS	
				TITLE		FUNCTIONAL SCHEMATIC, BOOTSTRAP MEMORY I	
				CODE IDENT NO.		SIZE	
				90536		D	
				DWG NO.		7032929	
				SCALE		WEIGHT	
				SHEET		OF	

IDENT NO. 7032929-00

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REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED
A		71699	SEE EIR	8-11-65 [Signature]

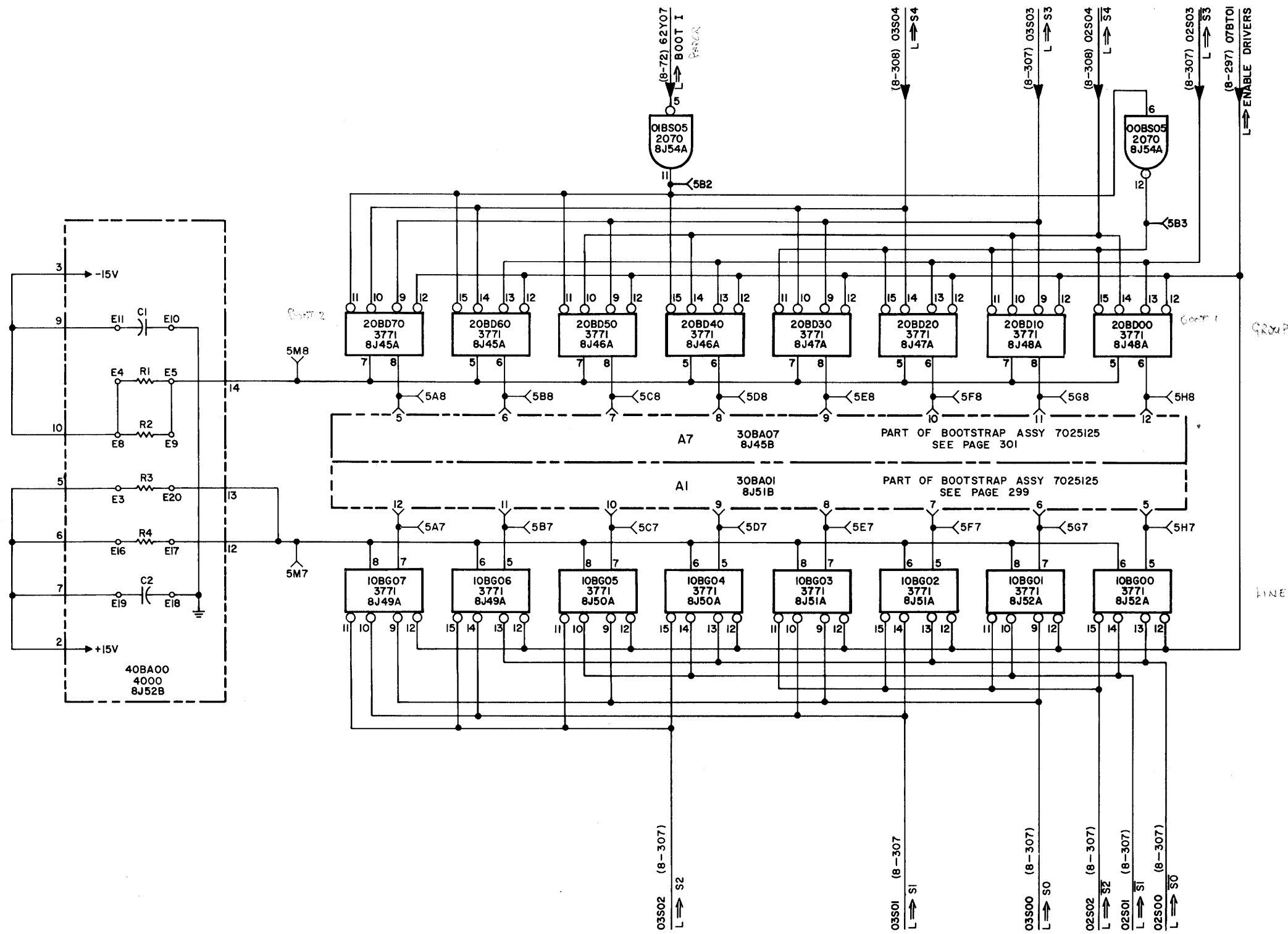


FIGURE 8-298

IDENT NO. 7032928-00

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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES: TOLERANCE ON 2 PLACE DECIMALS	± .005
DIMENSION IN INCHES: TOLERANCE ON 3 PLACE DECIMALS	± .002
ANGLES	± .010
HOLE DIAMETER TOLERANCE	± .005
0 THRU .250	± .005
.251 THRU .500	± .005
.501 & LARGER	± .010
THREADS: EXCEPT 2A, INT CL 2B	
MATERIAL	
FINISH	

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
LAYOUT		DATE	CLASS	UNIVAC		
DRAFTSMAN		6-4-65	A	DIVISION OF SPERRY RAND CORPORATION		
CHECKER		TITLE				
ENGINEER		FUNCTIONAL SCHEMATIC; BOOTSTRAP MEMORY 2				
APPROVAL		CODE IDENT NO. SIZE DWG NO.				
		90536 D 7032928				
		SCALE WEIGHT SHEET OF				

REVISIONS			
NO.	DATE	DESCRIPTION	BY

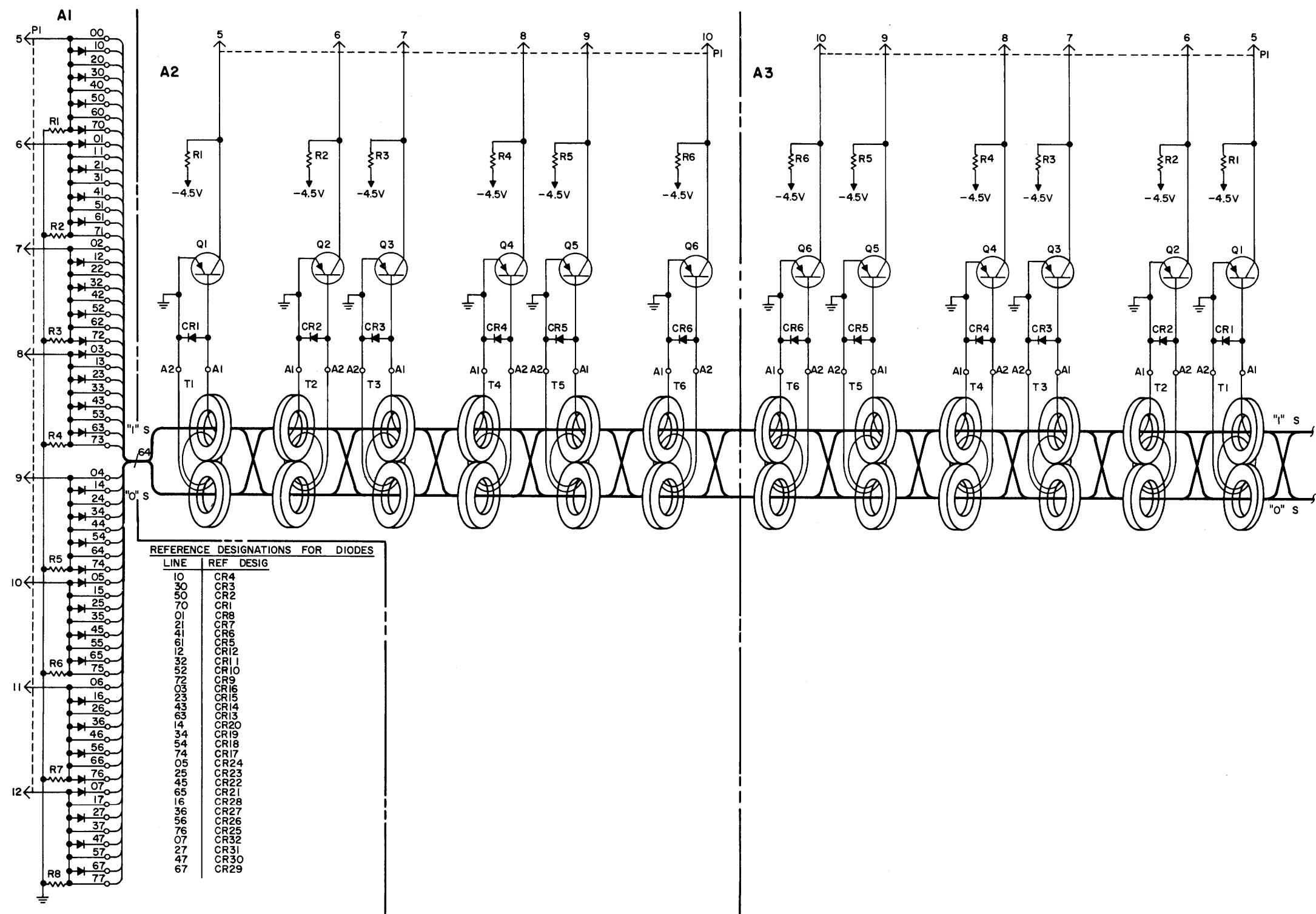


FIGURE 8-299

Part No. 7032930-00

QTY	REQD	IND	REF	USE	CODE	IDENT	SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

DATE	CLASS	TITLE
6-21-65	A	FUNCTIONAL SCHEMATIC, BOOTSTRAP ASSEMBLY BIT SELECTION AND SENSING I

NAME	DATE	CODE
D.C. WHEELER	6-21-65	
B. POPOV	9-15-65	
D.L. FAUSETT	9-15-65	

CODE IDENT NO.	SIZE	DWG NO.
90536	D	7032930

REVISIONS				
SYM	ZONE	EIR	DATE	APPROVED

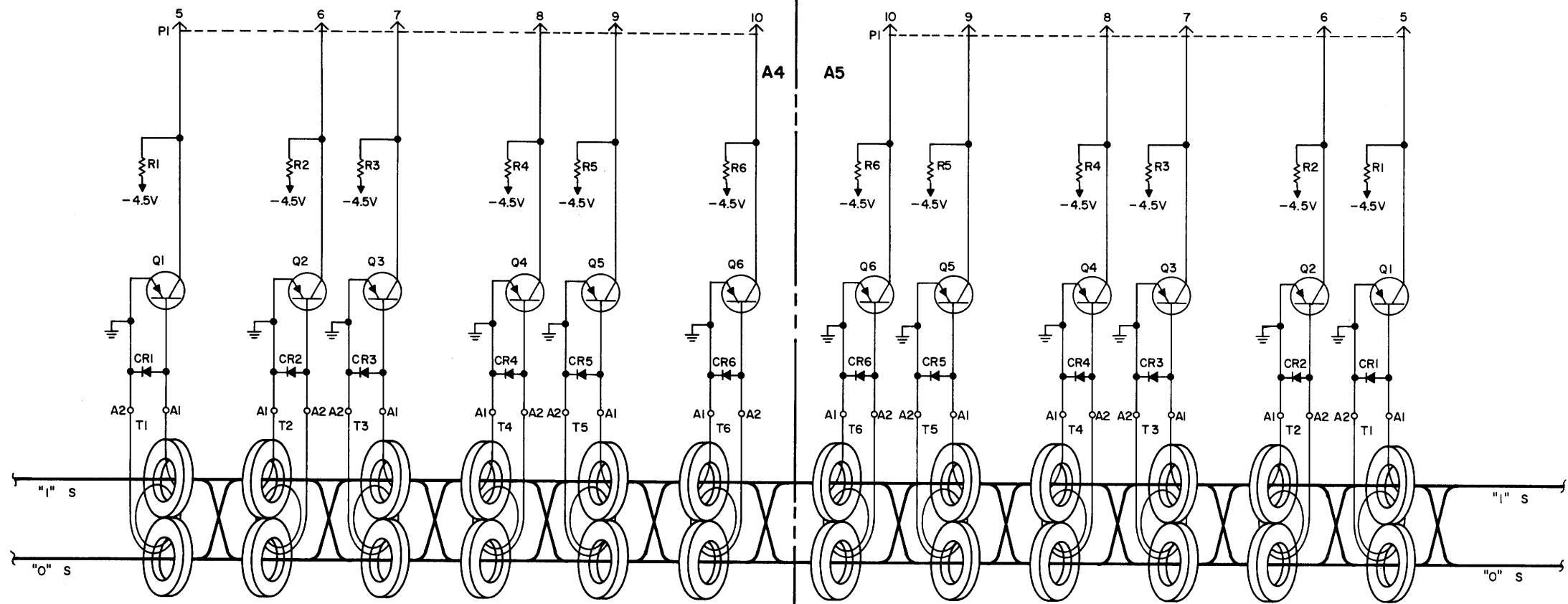


FIGURE 8-300

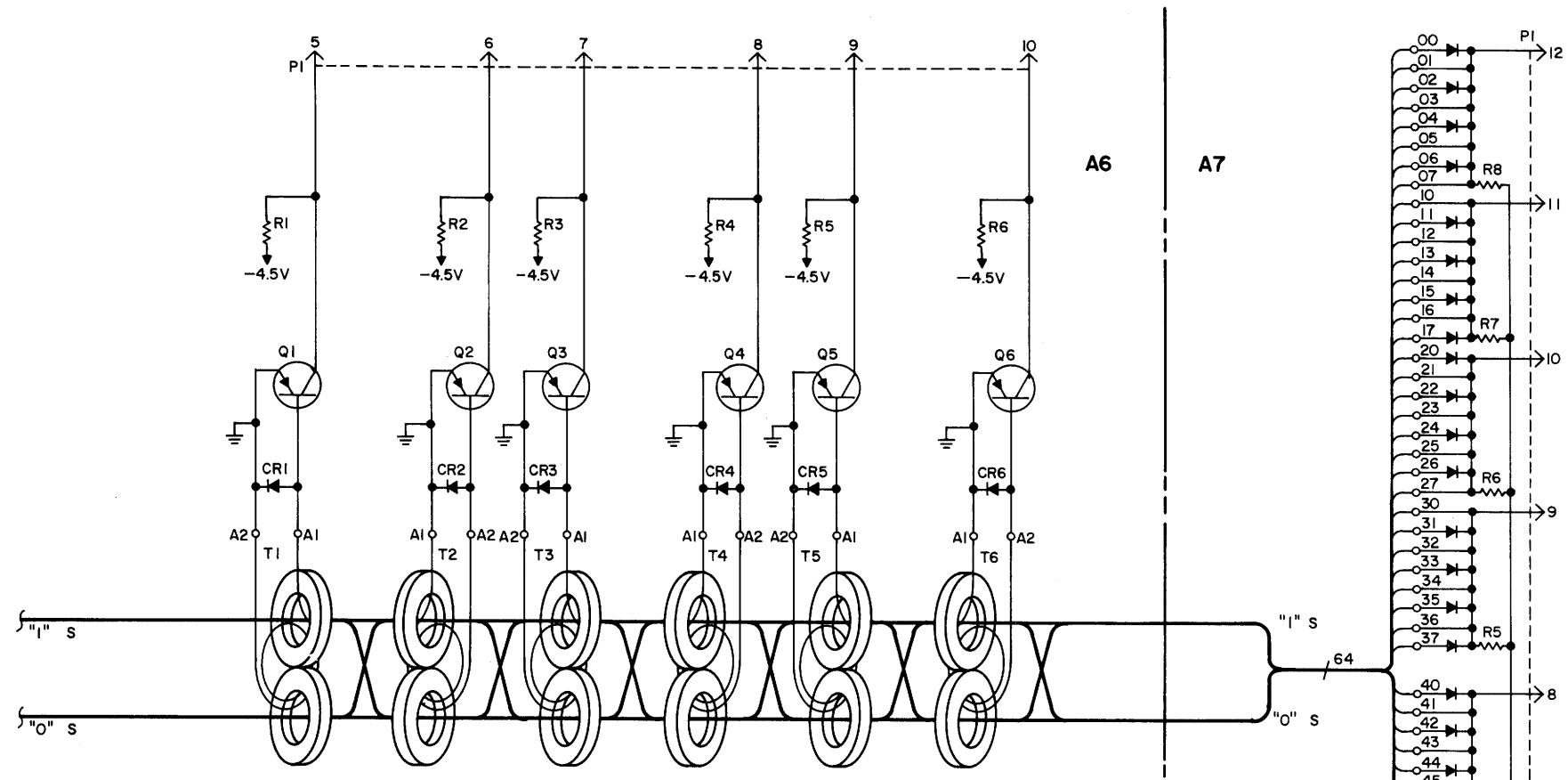
IDENT NO. 7032931-00

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL

DATE	CLASS	UNIVAC <small>DIVISION OF SPERRY RAND CORPORATION</small>
6-21-65	A	
FUNCTIONAL SCHEMATIC, BOOTSTRAP ASSEMBLY BIT SELECTION AND SENSING 2		
DESIGNED BY D.C. WHEELER	CHECKED BY B. POPOV	DATE 9-15-65
ENGINEER D.L. FAUSETT	DATE 9-15-65	APPROVED BY <i>[Signature]</i>
CODE IDENT NO.	SIZE	DWG NO.
90536	D	7032931
SCALE	WEIGHT	SHEET 1 OF 1

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	APPROVED



REFERENCE DESIGNATIONS FOR DIODES

LINE	REF DESIG
00	CR32
02	CR31
04	CR30
06	CR29
11	CR28
13	CR27
15	CR26
17	CR25
20	CR24
22	CR23
24	CR22
26	CR21
31	CR20
33	CR19
35	CR18
37	CR17
40	CR16
42	CR15
44	CR14
46	CR13
51	CR12
53	CR11
55	CR10
57	CR9
60	CR8
62	CR7
64	CR6
66	CR5
71	CR4
73	CR3
75	CR2
77	CR1

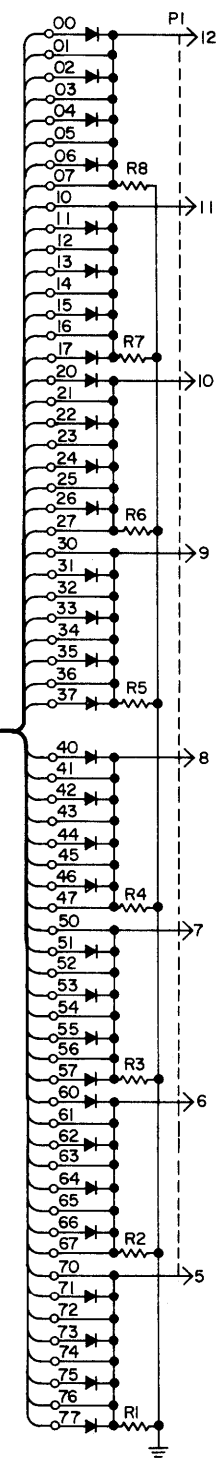


FIGURE 8-301

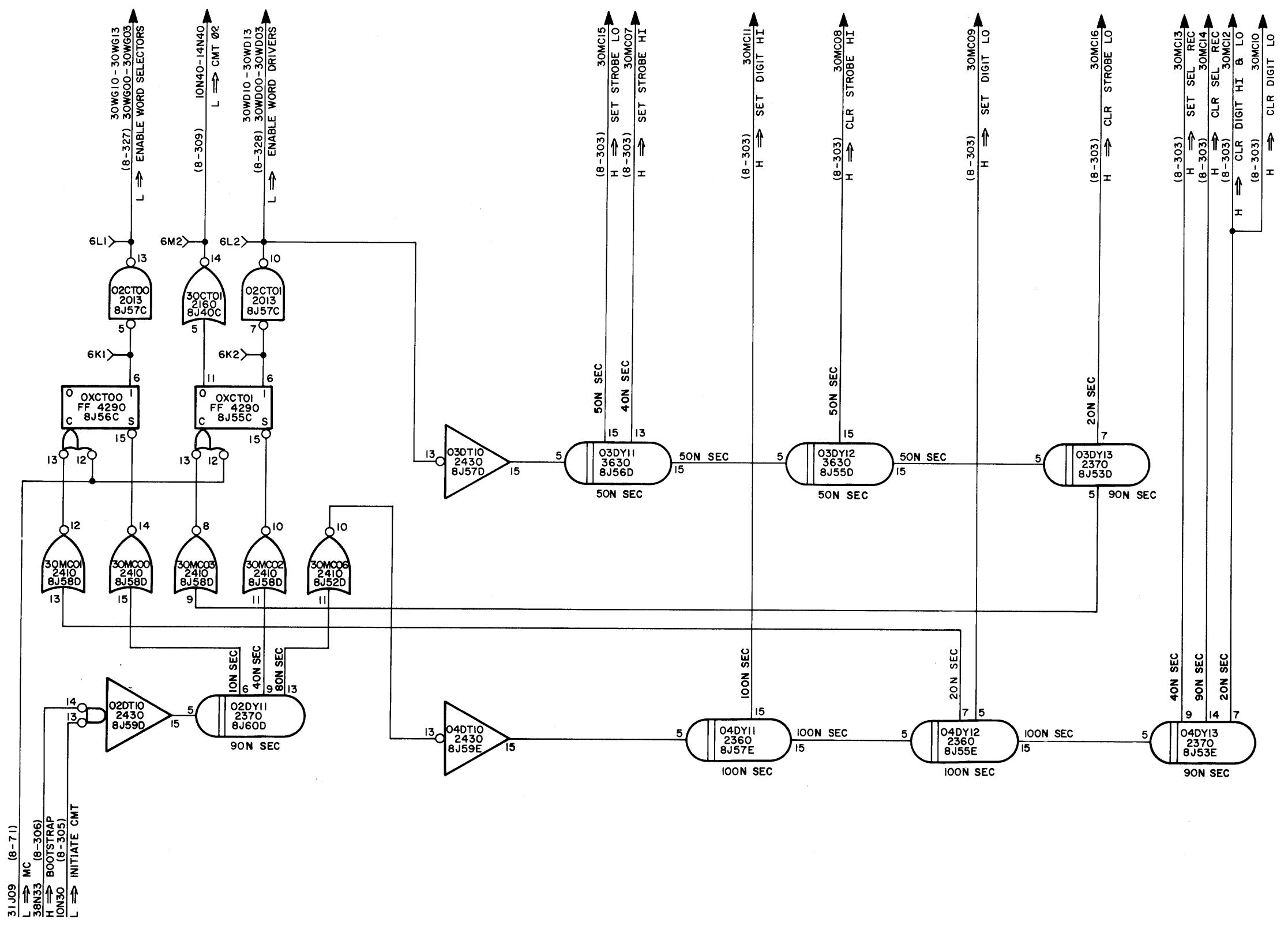
DWG NO 7032932-00

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL

DESIGNED BY D.C. WHEELER	DATE 6-21-65	CLASS A	TITLE FUNCTIONAL SCHEMATIC, BOOTSTRAP ASSEMBLY BIT SELECTION AND SENSING 3
CHECKED BY B. POPOV	DATE 8-19-65	APPROVED BY <i>[Signature]</i>	DATE 8-15-65
ENGINEER D.L. FAUSETT		CODE IDENT NO. 90536	SIZE D
		DWG NO. 7032932	

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	DR	DATE	APPROVED
A		71699	SEE EIR		8/11-66	[Signature]
B		77408	SEE EIR		8/14-66	[Signature]



NOTE: DELAY LINE TAPS SUBJECT TO CHANGES BY SERIAL.

FIGURE 8-302

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL			
UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS 3 PLACE DECIMALS ANGLES	DRAFTSMAN R. M. BECKMAN	9-1-65	A
HOLE DIAMETER TOLERANCE 0 THRU .250 ±.003 .251 THRU .500 ±.005 .501 & LARGER ±.010	CHECKER B. POPOV	9-15-65	
THREADS: EXT. CL. 2A, INT. CL. 2B	ENGINEER C. N. HOGENSON	9-15-65	
MATERIAL	APPROVAL [Signature]		
FINISH			

IDENT NO. 7035492-00	COMMODITY CODE	APPLICATION	EQUIPMENT	NEXT ASSY
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CODE IDENT NO.	SIZE	DWG NO.
90536	D	7035492

IDENT NO. 7035492-00

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UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS 3 PLACE DECIMALS ANGLES	DRAFTSMAN R. M. BECKMAN	9-1-65	A
HOLE DIAMETER TOLERANCE 0 THRU .250 ±.003 .251 THRU .500 ±.005 .501 & LARGER ±.010	CHECKER B. POPOV	9-15-65	
THREADS: EXT. CL. 2A, INT. CL. 2B	ENGINEER C. N. HOGENSON	9-15-65	
MATERIAL	APPROVAL [Signature]		
FINISH			

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		71699	SEE EIR		8-11-65	<i>[Signature]</i>
B		77408	SEE EIR		9-16-65	<i>[Signature]</i>

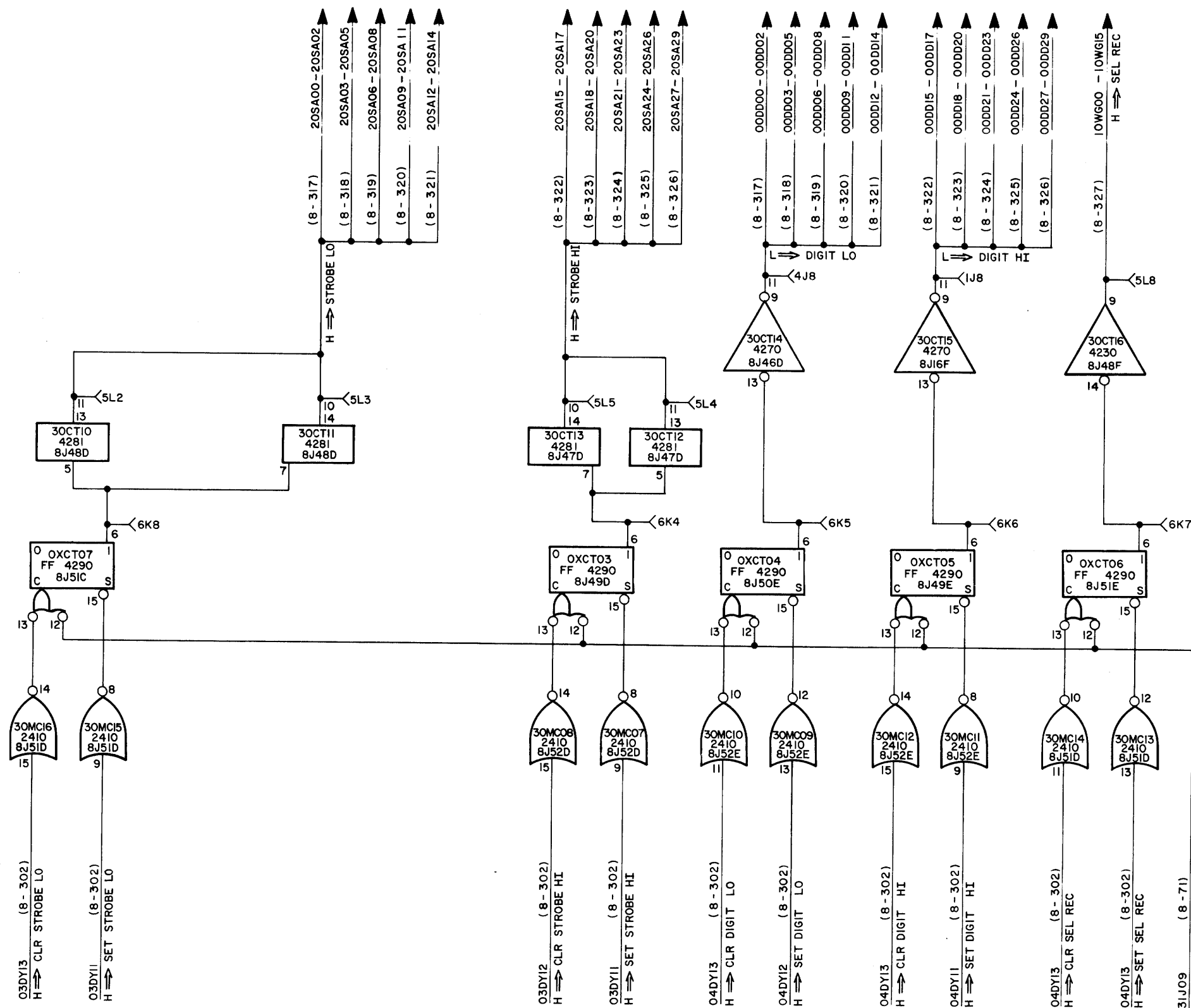


FIGURE 8-303

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						

UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE		CLASS	
DIMENSION IN INCHES TOLERANCE OF		DRAFTSMAN		8-30-65		A	
2 PLACE DECIMALS ± .005		R. THORSON				TITLE	
3 PLACE DECIMALS ± .001		CHECKER		9-15-65		FUNCTIONAL SCHEMATIC,	
ANGLES ± .005		B. POPOV				CONTROL MEMORY	
HOLD DIAMETER TOLERANCE		ENGINEER		9-15-65		TIMING AND CONTROL 2	
0 THRU .250 ± .003		C. HOGENSON				CODE IDENT NO.	
.251 THRU .500 ± .005		APPROVAL				SIZE	
.501 & LARGER ± .010		<i>[Signature]</i>				DWG NO.	
- .002 ± .005						90536	
THREADS: EXT. CL. 2A, INT. CL. 2B						D	
MATERIAL						7035493	
FINISH						SCALE	
						WEIGHT	
						SHEET 1 OF 1	

IDENT NO. 7035493-00

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REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		71699	SEE EIR		8-11-65	<i>[Signature]</i>
B		77408	SEE EIR		6-16-66	<i>[Signature]</i>

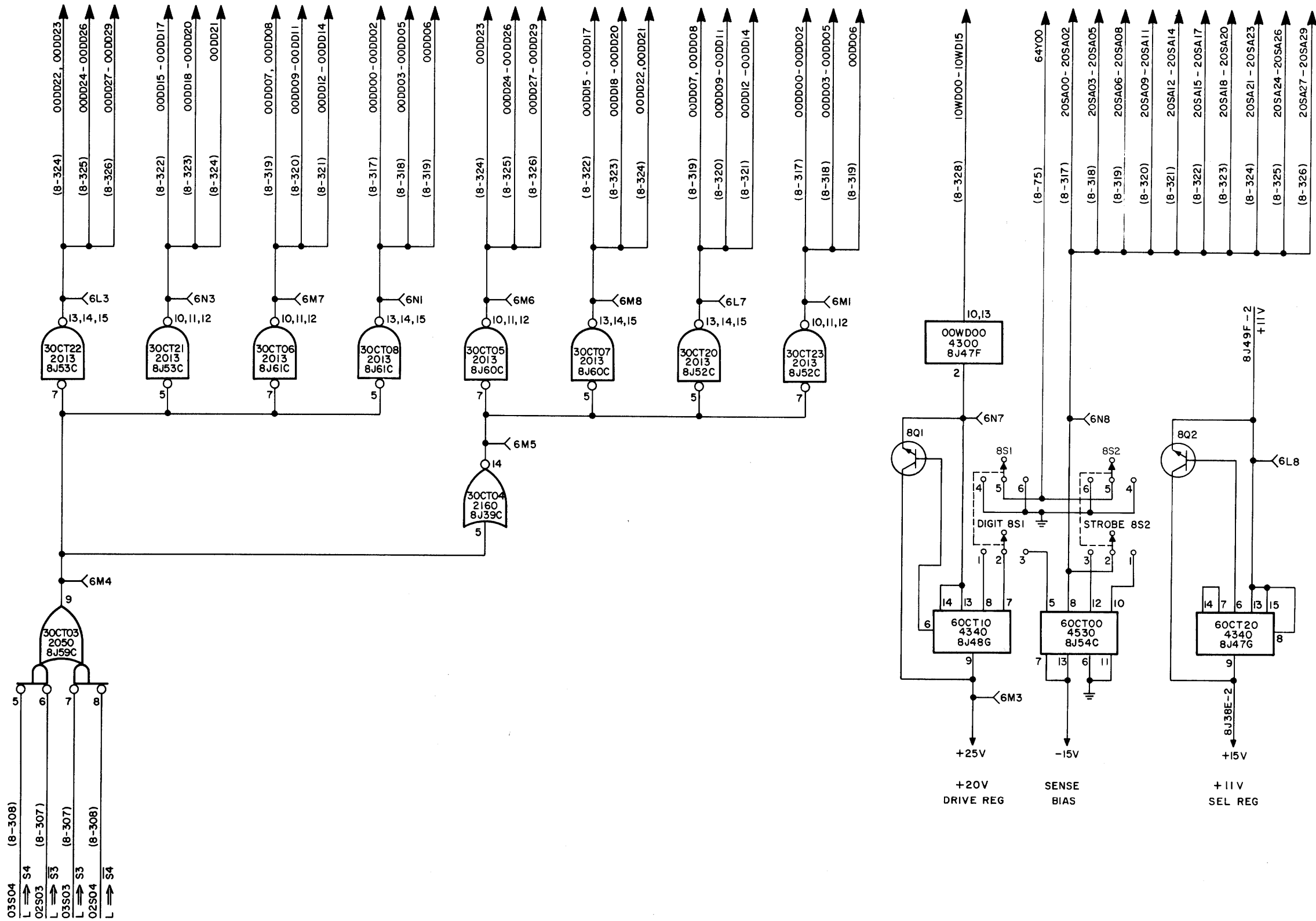


FIGURE 8-304

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNLESS OTHERWISE SPECIFIED						
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS 3 PLACE DECIMALS ANGLES						
HOLE DIAMETER TOLERANCE						
0 THRU .250 .251 THRU .500 .501 & LARGER						
+ .003 + .005 + .010						
- .002 - .003 - .005						
THREADS: EXT. CL. INT. CL. 2B						
MATERIAL						
FINISH						
LAYOUT						
DATE						
CLASS						
A						
DRAFTSMAN						
D. LODGE						
CHECKER						
B. POPOV						
ENGINEER						
C. HOGENSON						
APPROVAL						
<i>[Signature]</i>						
DATE						
9-9-65						
TITLE						
FUNCTIONAL SCHEMATIC, CONTROL MEMORY TIMING AND CONTROL 3						
CODE IDENT NO.						
90536						
SIZE						
D						
DWG NO.						
7035494						
SCALE						
WEIGHT						
SHEET OF						

IDENT NO. 7035494-00

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UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS 3 PLACE DECIMALS ANGLES	DRAFTSMAN	9-9-65	A
HOLE DIAMETER TOLERANCE	CHECKER		
0 THRU .250 .251 THRU .500 .501 & LARGER	B. POPOV		
+ .003 + .005 + .010	ENGINEER		
- .002 - .003 - .005	C. HOGENSON		
THREADS: EXT. CL. INT. CL. 2B	APPROVAL		
MATERIAL	<i>[Signature]</i>		
FINISH			

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED
A		71699A	SEE EIR	9-11-65
B		77399A	SEE EIR	9-22-65
C	E13315		'B' MODIFIED FAULT	

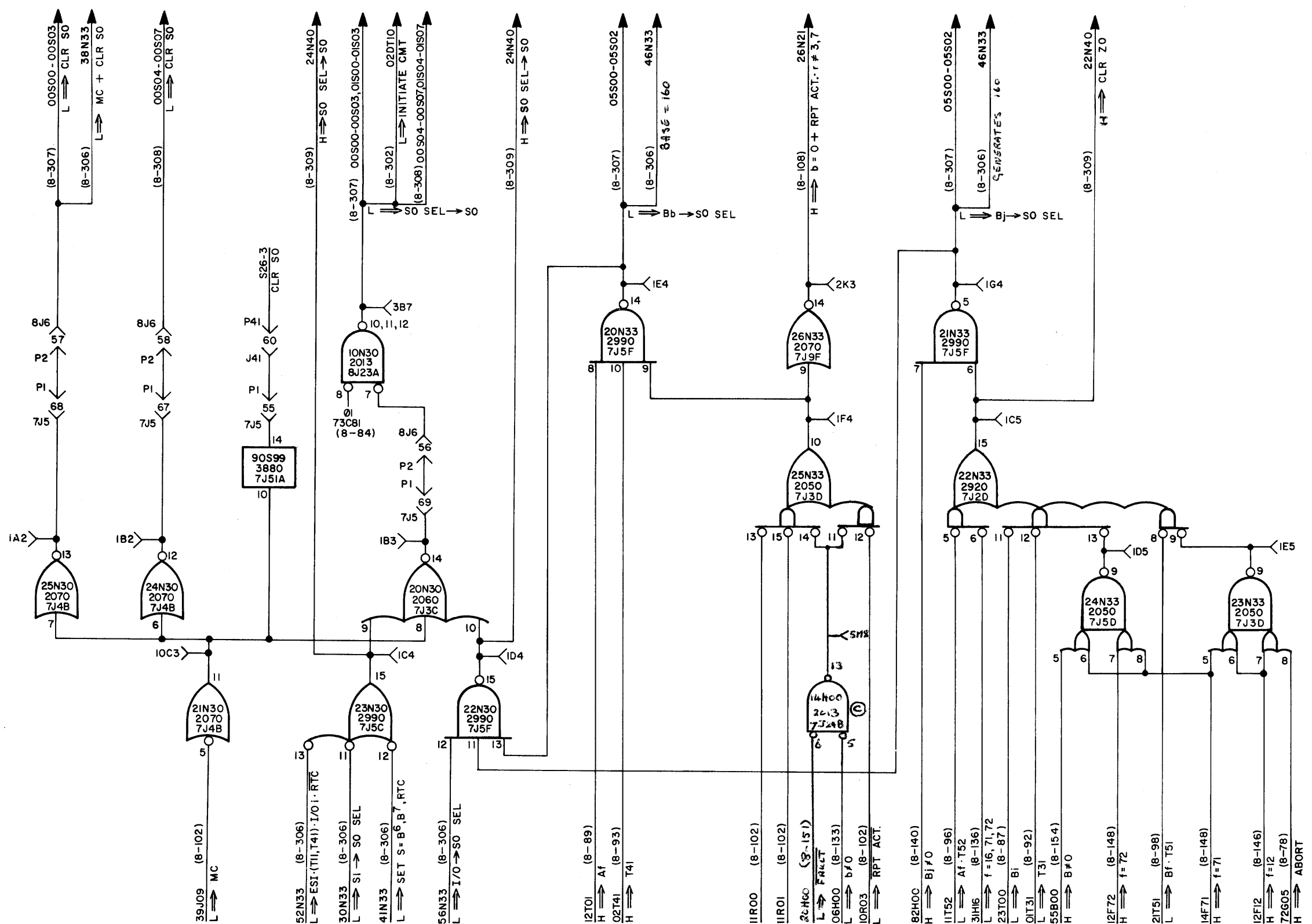


FIGURE 8-305

IDENT NO. 7032661-00

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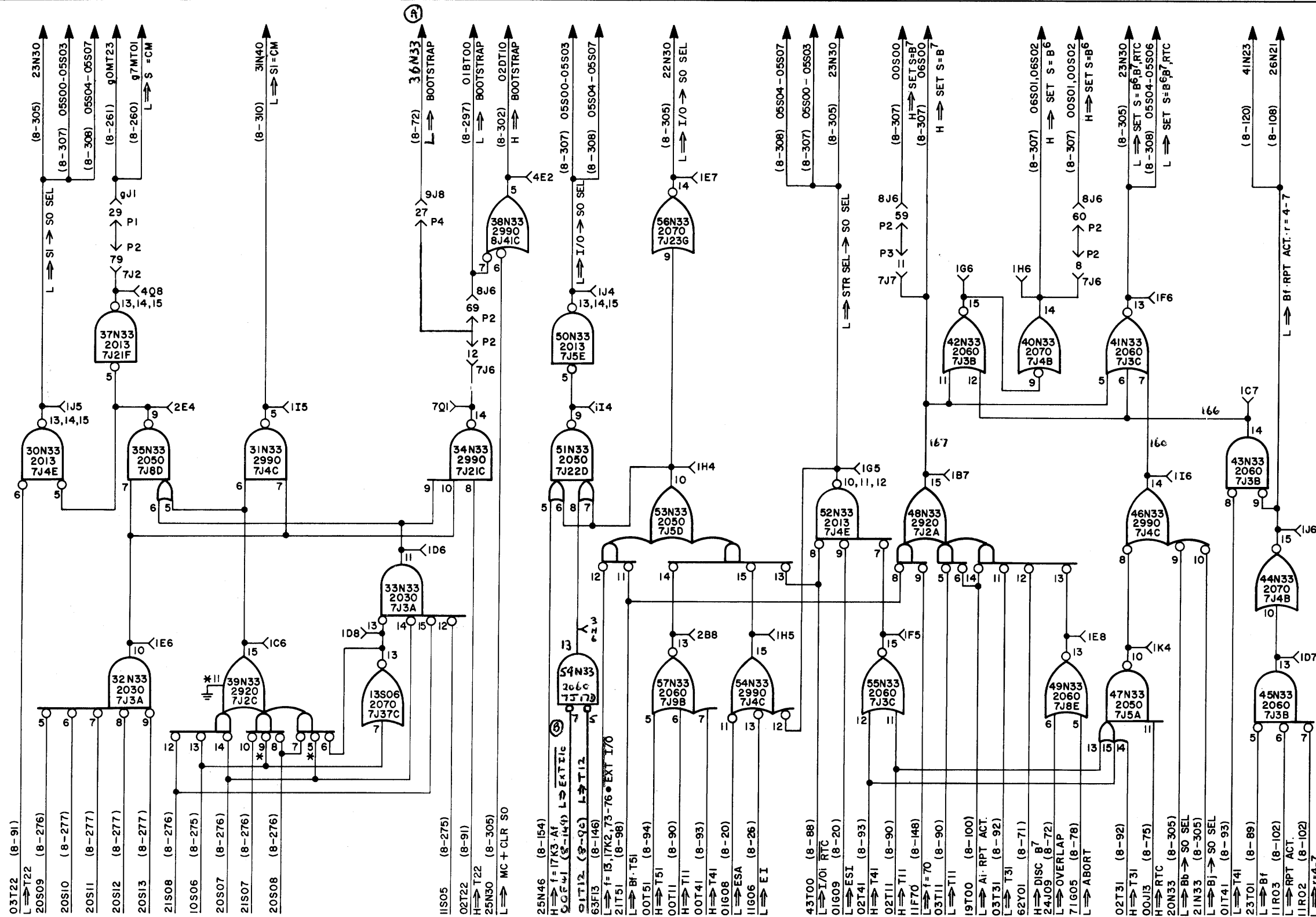
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QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCE ON 2 PLACE DECIMALS 3 PLACE DECIMALS ANGLES HOLE DIAMETER TOLERANCE 0 THRU .250 +.003 -.002 .251 THRU .500 +.005 -.003 .501 & LARGER +.010 -.005 THREADS: EXT CL 2A, INT CL 2B	LAYOUT	DATE	CLASS	UNIVAC DIVISION OF SPERRY RAND CORPORATION
	DRAFTSMAN R. CALTON	2-13-65	A	
NEXT ASSY	EQUIPMENT	CHECKER B. POPOV	ENGINEER N. MACRORIE	TITLE FUNCTIONAL SCHEMATIC, SO & SO SELECT COMMAND ENABLES I
APPLICATION	COMMODITY CODE	APPROVAL <i>N. MacRorie</i>	DATE 9-15-65	CODE IDENT NO. 90536
				SIZE D
				DWG NO. 7032661
				SCALE
				WEIGHT
				SHEET 1 OF 1

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE
A	E13243		17 BIT MODE + BOOTSTRAP COMPATIBILITY		
B	E13356		EXT I/O ENABLE CORRECTION.		



NOTE:
* DENOTES WIRE REMOVED FOR 256
WORD CONTROL MEMORY OPERATION.

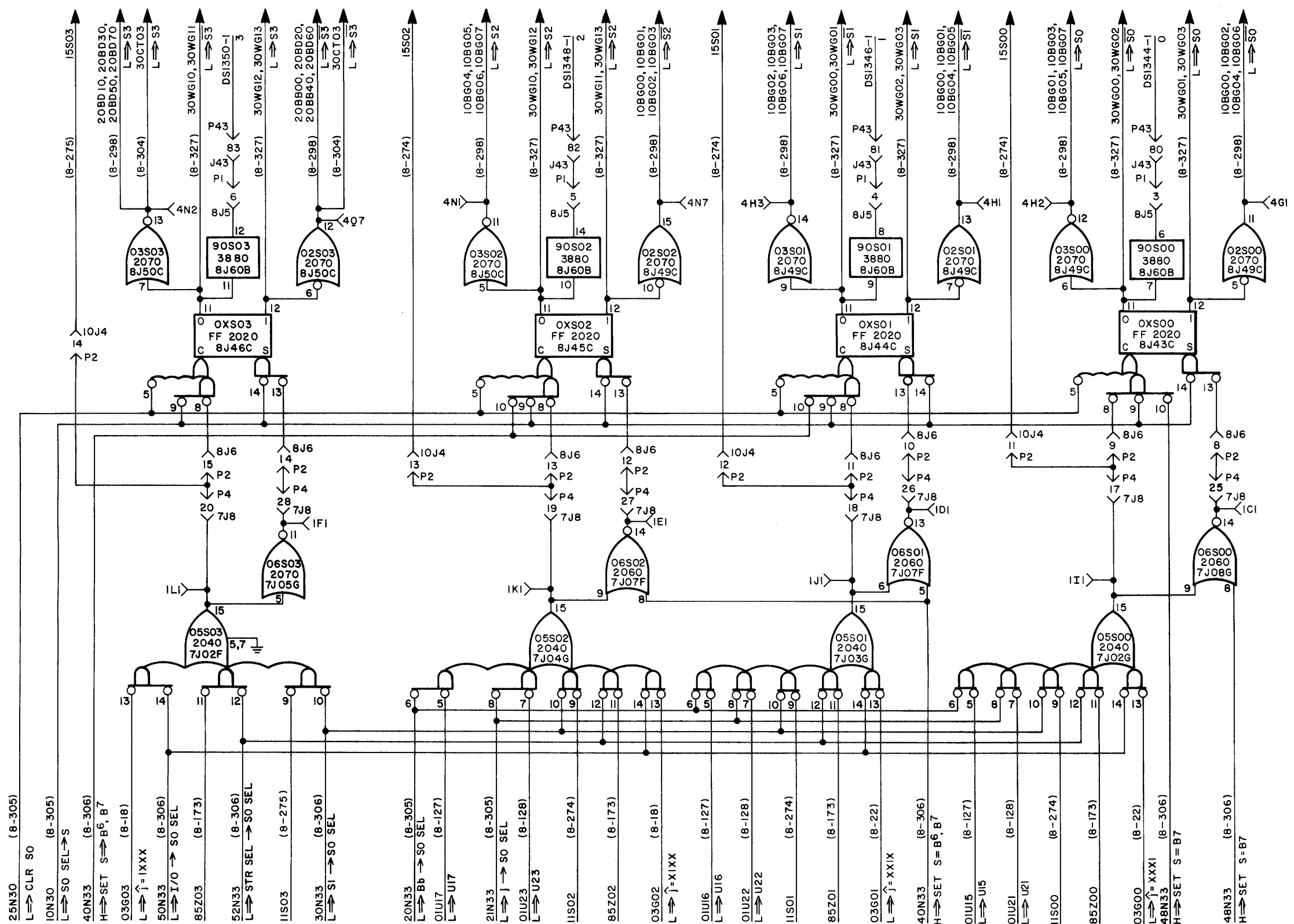
FIGURE 8-306

IDENT NO. 7075236-00

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UNLESS OTHERWISE SPECIFIED		DIMENSION IN INCHES, TOLERANCE ON 2 PLACE DECIMALS		DIMENSION IN INCHES, TOLERANCE ON 3 PLACE DECIMALS		ANGLES	
HOLD DIAMETER TOLERANCE		0 THRU .250	+ .003	.251 THRU .500	+ .005	.501 & LARGER	+ .010
THREADS: EXT. CL. 2A, INT. CL. 2B		FINISH		MATERIAL		APPLICATION	
NEXT ASSY		EQUIPMENT		COMMODITY CODE		FINISH	
DATE		CLASS		DRAFTSMAN		CHECKER	
12-6-66		A		E. BICKETT		B. POPOV	
DATE		ENGINEER		APPROVAL		SCALE	
3-31-67		D. FREE		[Signature]		3-31-67	
LIST OF MATERIAL		PART OR IDENTIFYING NO.		NOMENCLATURE OR DESCRIPTION		QTY REQD	
UNIVAC		DIVISION OF SPERRY RAND CORPORATION		FUNCTIONAL SCHEMATIC, S0 SELECT COMMAND ENABLES		90536	
CODE IDENT NO.		SIZE		DWG NO.		SCALE	
90536		D		7075236		SHEET 1 OF 1	

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		71699	SEE EIR		11/1/64	[Signature]
B		77400	SEE EIR		1/22/64	[Signature]



- 25N30 (8-305) L → CLR SO
- 10N30 (8-305) L → SO SEL → S
- 40N33 (8-306) H → SET S → B⁶, B⁷
- 03G03 (8-18) L → $\hat{I} = XIX$
- 50N33 (8-306) L → I/O → SO SEL
- 85Z03 (8-173)
- 52N33 (8-306) L → STR SEL → SO SEL
- 11S03 (8-275)
- 30N33 (8-306) L → SI → SO SEL
- 20N33 (8-305) L → Bb → SO SEL
- 01U17 (8-127) L → UI7
- 21N33 (8-305) L → J → SO SEL
- 01U23 (8-128) L → U23
- 11S02 (8-274)
- 85Z02 (8-173)
- 03G02 (8-18) L → $\hat{J} = XIX$
- 01U16 (8-127) L → UI6
- 01U22 (8-128) L → U22
- 11S01 (8-274)
- 85Z01 (8-173)
- 03G01 (8-22) L → $\hat{J} = XIX$
- 40N33 (8-306) H → SET S = B⁶, B⁷
- 01U15 (8-127) L → UI5
- 01U21 (8-128) L → U21
- 11S00 (8-274)
- 85Z00 (8-173)
- 03G00 (8-22) L → $\hat{J} = XXXI$
- 48N33 (8-306) H → SET S = B⁷
- 48N33 (8-306) H → SET S = B⁷

FIGURE 8-307

QTY REQD	FINI	REV DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL	
CLASS	A
TITLE	FUNCTIONAL SCHEMATIC, SO SELECT & SO REGISTER BITS 00-03
CODE IDENT NO.	90536
SIZE	D
DWG NO.	7032684
SCALE	
WEIGHT	
SHEET	1 OF 1

IDENT NO 7032684-00

DESIGNER	F. MANNING	DATE	6-7-65
CHECKER	B. POPOV		
ENGINEER	N. MACRORE		
APPROVAL	[Signature]		

REVISIONS				
SYM	DATE	DESCRIPTION	CHK	APPROVED

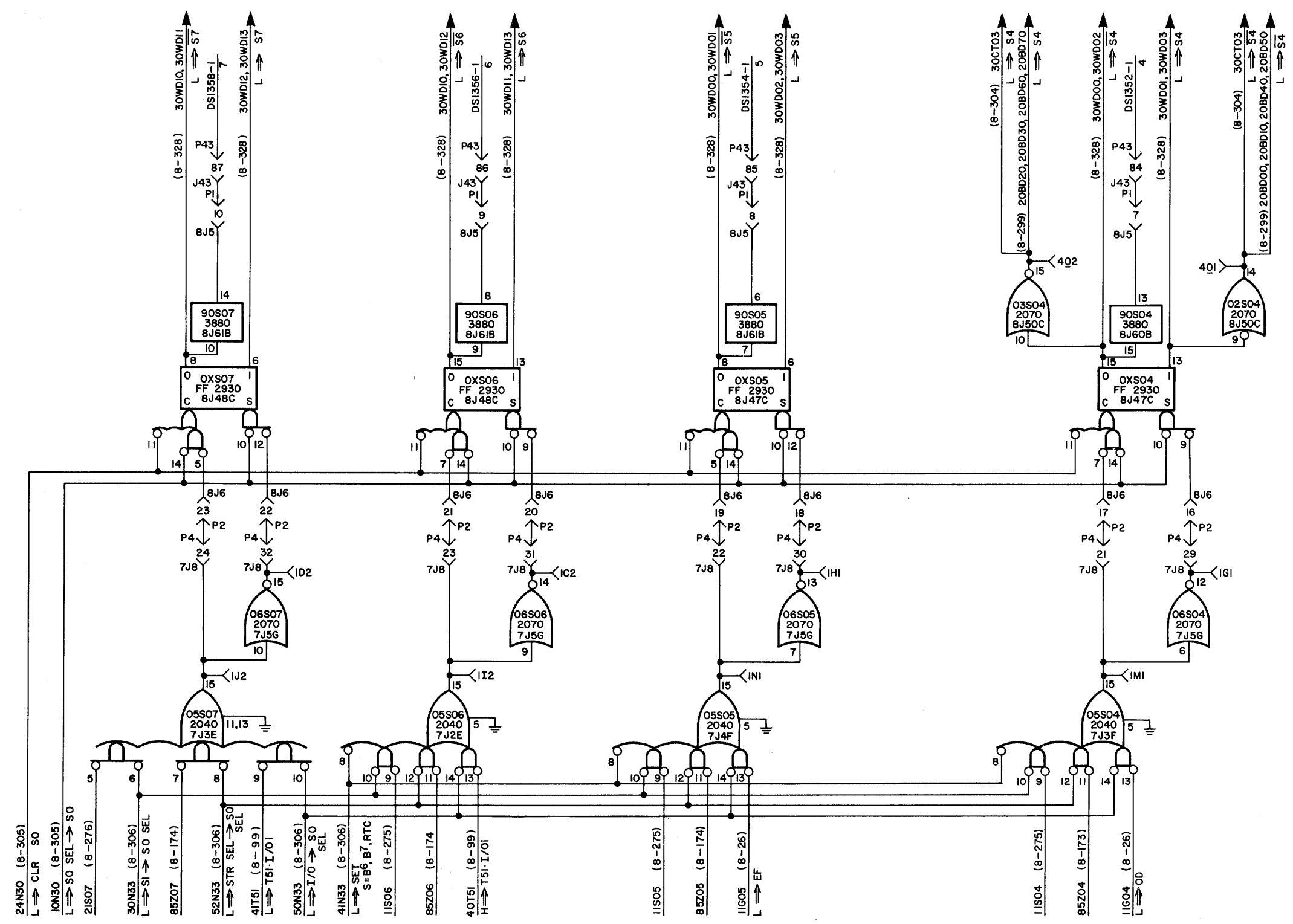


FIGURE 8-308

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
LAYOUT			DATE	CLASS	UNIVAC	
DRAFTSMAN D.MUHS			6-4-65	A	DIVISION OF SPERRY RAND CORPORATION	
CHECKER B.POPOV			9-15-65	TITLE		
ENGINEER N. MACRORE			9-15-65	FUNCTIONAL SCHEMATIC, S0 SELECT & S0 REGISTER BITS O4-07		
APPROVAL <i>[Signature]</i>			9-15-65	CODE IDENT NO.	SIZE	DWG NO.
				90536	D	7032685
				SCALE	WEIGHT	SHEET OF

IDENT NO. 7032685-00

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APPLICATION	

REVISIONS						
SYM	ZONE	E/R	DESCRIPTION	CHK	DATE	APPROVED
A		71699	SEE EIR		8/11-65	<i>[Signature]</i>
B		77400	SEE EIR		8/11/65	<i>[Signature]</i>

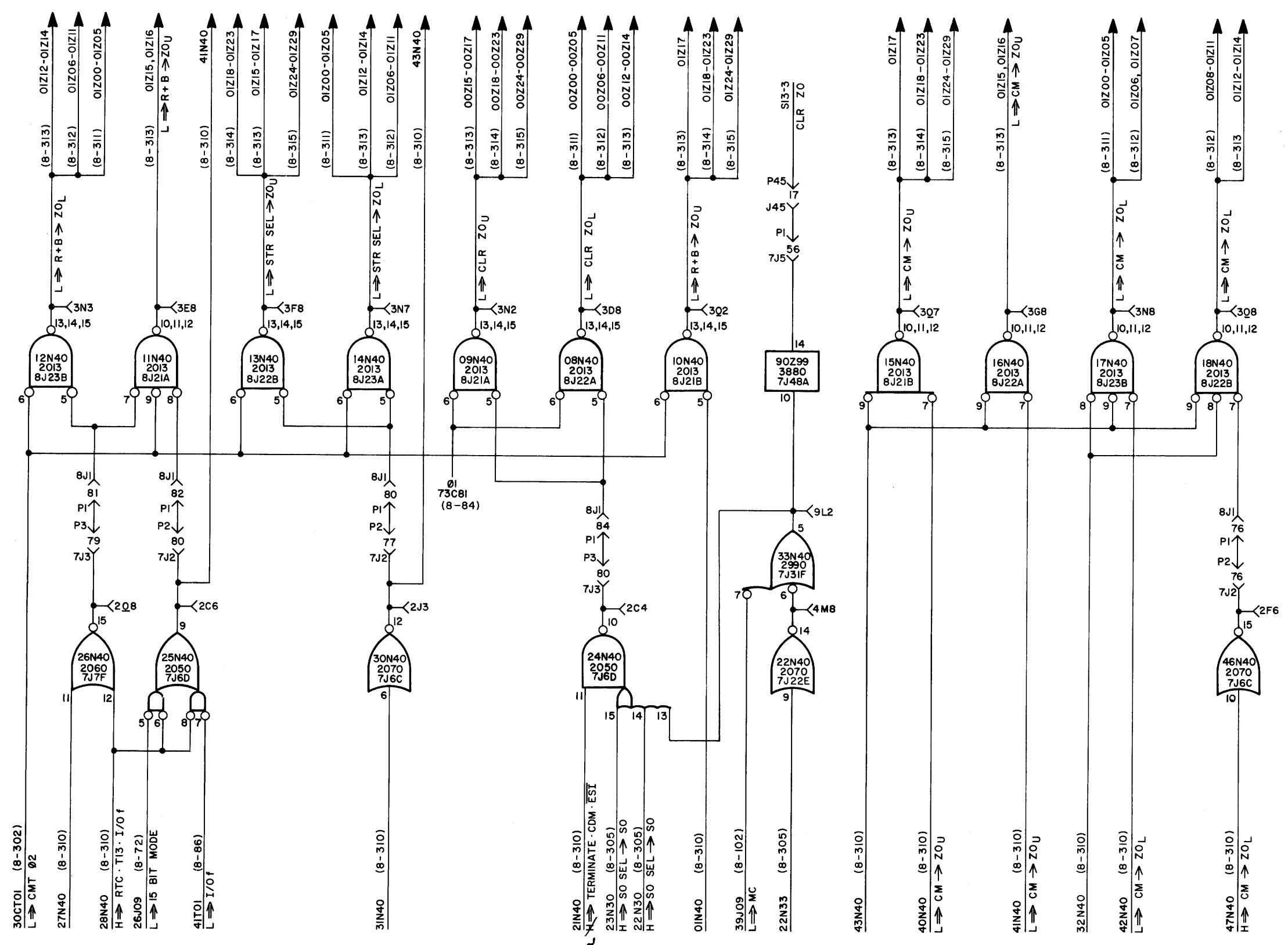


FIGURE 8-309

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL			
UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES TOLERANCE ON 2 PLACE DECIMALS 3 PLACE DECIMALS ANGLES		6-16-65	A
HOLE DIAMETER TOLERANCE	DRAFTSMAN		TITLE
0 THRU .250 ±.003 .251 THRU .500 ±.005 .501 & LARGER ±.010	B. MILLER		FUNCTIONAL SCHEMATIC, ZO COMMAND ENABLES I
THREADS: EX. T. RA. INT. CL 2B	CHECKER		
	B. POPOV		
	ENGINEER		
	N. MACRODIE		
	APPROVAL		
	<i>[Signature]</i>		
CODE IDENT NO.	SIZE	DWG NO.	
90536	D	7032669	
SCALE	WEIGHT	SHEET	OF

IDENT NO. 7032669-00

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UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES TOLERANCE ON 2 PLACE DECIMALS 3 PLACE DECIMALS ANGLES		6-16-65	A
HOLE DIAMETER TOLERANCE	DRAFTSMAN		TITLE
0 THRU .250 ±.003 .251 THRU .500 ±.005 .501 & LARGER ±.010	B. MILLER		FUNCTIONAL SCHEMATIC, ZO COMMAND ENABLES I
THREADS: EX. T. RA. INT. CL 2B	CHECKER		
	B. POPOV		
	ENGINEER		
	N. MACRODIE		
	APPROVAL		
	<i>[Signature]</i>		
CODE IDENT NO.	SIZE	DWG NO.	
90536	D	7032669	
SCALE	WEIGHT	SHEET	OF

REVISIONS			
SYM	ZONE	EIR	DESCRIPTION

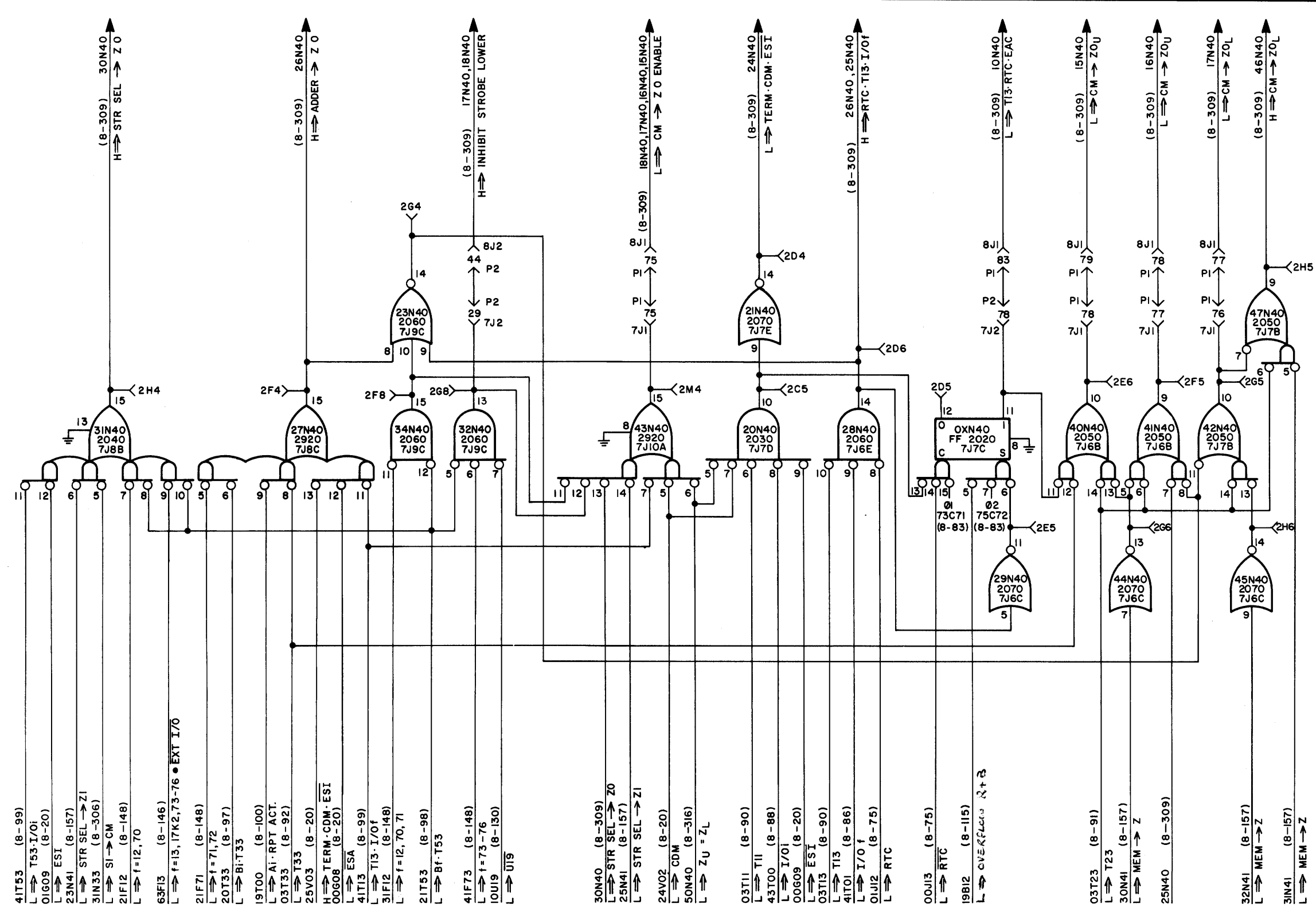


FIGURE 8-310

- 41T53 (8-99)
- 01G09 (8-20)
- 23N41 (8-157)
- L STR SEL -> Z1
- 31N33 (8-306)
- L SI -> CM
- 21F12 (8-148)
- L f=12, 70
- 63F13 (8-146)
- L f=13, 17K2, 73-76 EXT I/O
- 21F71 (8-148)
- L f=71, 72
- 20T33 (8-97)
- L Bi-T33
- 19T00 (8-100)
- L Ai-RPT ACT.
- 03T33 (8-92)
- L T33
- 25V03 (8-20)
- H TERM - CDM - EST
- 00G08 (8-20)
- L ESA
- 41T13 (8-99)
- L T13 - I/O f
- 31F12 (8-148)
- L f=12, 70, 71
- 21T53 (8-98)
- L B-T53
- 41F73 (8-148)
- L f=73-76
- 10U19 (8-130)
- L U19
- 30N40 (8-309)
- L STR SEL -> Z0
- 25N41 (8-157)
- L STR SEL -> Z1
- 24V02 (8-20)
- L CDM
- 50N40 (8-316)
- L ZU = ZL
- 03T11 (8-90)
- L T11
- 43T00 (8-88)
- L I/O1
- 00G09 (8-20)
- L EST
- 03T13 (8-90)
- L T13
- 41T01 (8-86)
- L I/O f
- 01J12 (8-75)
- L RTC
- 00J13 (8-75)
- L RTC
- 19B12 (8-115)
- L OVERFLOW + B
- 03T23 (8-91)
- L T23
- 30N41 (8-157)
- L MEM -> Z
- 25N40 (8-309)
- L MEM -> Z
- 32N41 (8-157)
- L MEM -> Z
- 31N41 (8-157)
- L MEM -> Z

QTY	FIND	REF DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD			IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL						
UNIVAC						
DIVISION OF SPERRY RAND CORPORATION						
DRAFTSMAN E. BICKETT			DATE 12-6-66	CLASS A	TITLE FUNCTIONAL SCHEMATIC, Z0 COMMAND ENABLES 2	
CHECKER B. POPOV			3-31-67			
ENGINEER D. FREE			3-31-67			
APPROVAL <i>D. Free</i>			3-31-67			
CODE IDENT NO. 90536		SIZE D	DWG NO. 7075237			
SCALE		WEIGHT		SHEET OF		

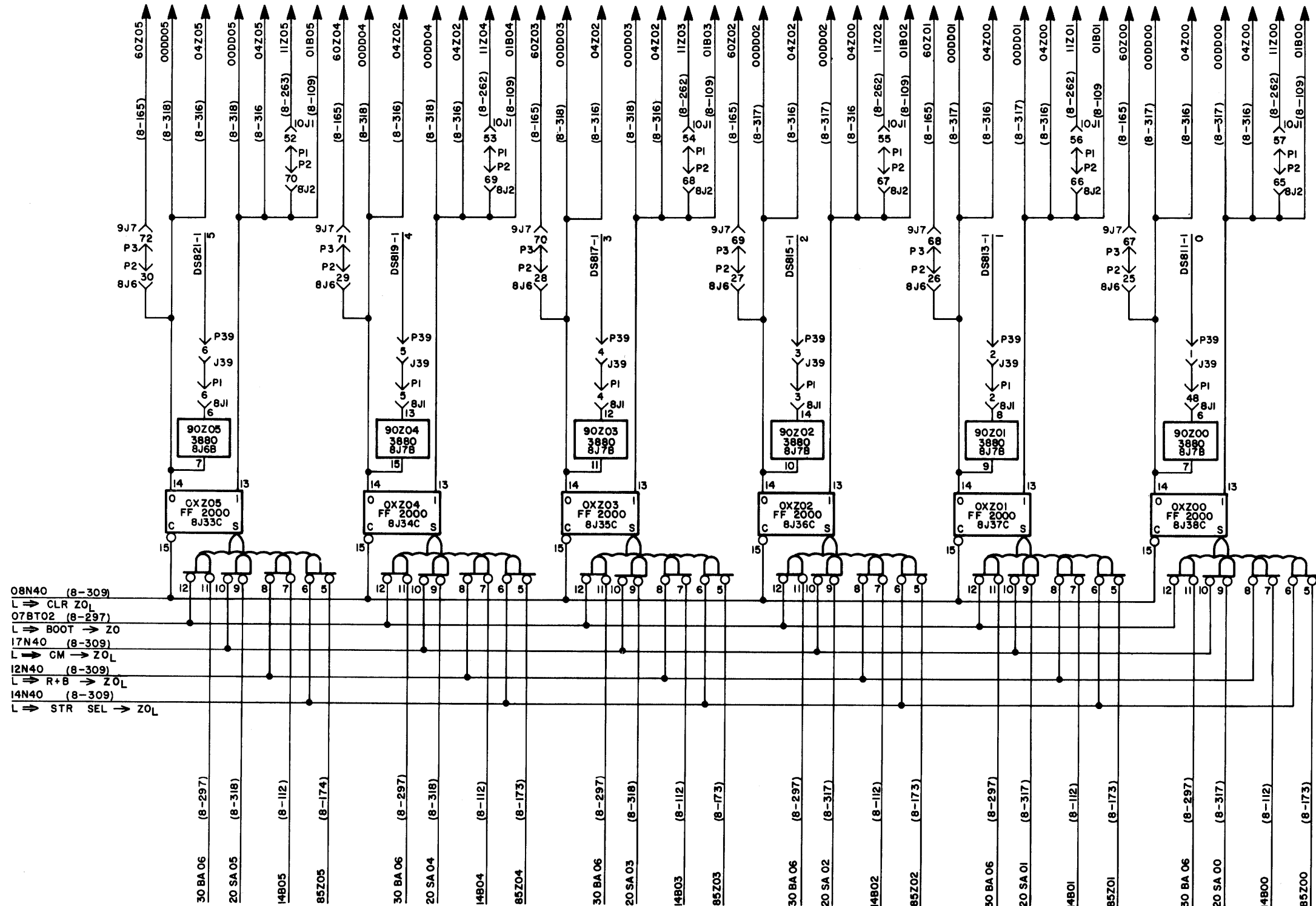
IDENT NO. 7075237-00

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UNLESS OTHERWISE SPECIFIED		
DIMENSION IN INCHES	TOLERANCE OR	FINISH
2 PLACE DECIMALS	±	
3 PLACE DECIMALS	±	
ANGLES	±	
HOLE DIAMETER TOLERANCE		
0 THRU .250	± .005	
.251 THRU .500	± .005	
.501 & LARGER	± .010	
	± .005	
THREADS: EXT. CL. 2A, INT. CL. 2B		
MATERIAL	LAYOUT	
NEXT ASSY	EQUIPMENT	
APPLICATION	DATE	
COMMODITY CODE	CLASS	
	FINISH	

REVISIONS						
SYM	ZONE	EJR	DESCRIPTION	CHK	DATE	APPROVED
A		71702	SEE EJR		8/20/28/65	<i>[Signature]</i>



08N40 (8-309)
 L → CLR Z_{0L}
 07BT02 (8-297)
 L → BOOT → Z₀
 17N40 (8-309)
 L → CM → Z_{0L}
 12N40 (8-309)
 L → R+B → Z_{0L}
 14N40 (8-309)
 L → STR SEL → Z_{0L}

- 30 BA 06 (8-297)
- 20 SA 05 (8-318)
- 14B05 (8-112)
- 85Z05 (8-174)
- 30 BA 06 (8-297)
- 20 SA 04 (8-318)
- 14B04 (8-112)
- 85Z04 (8-173)
- 30 BA 06 (8-297)
- 20 SA 03 (8-318)
- 14B03 (8-112)
- 85Z03 (8-173)
- 30 BA 06 (8-297)
- 20 SA 02 (8-317)
- 14B02 (8-112)
- 85Z02 (8-173)
- 30 BA 06 (8-297)
- 20 SA 01 (8-317)
- 14B01 (8-112)
- 85Z01 (8-173)
- 30 BA 06 (8-297)
- 20 SA 00 (8-317)
- 14B00 (8-112)
- 85Z00 (8-173)

FIGURE 8-311

QTY	FIND	REF DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD			IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL						
				DATE	CLASS	UNIVAC <small>DIVISION OF SPERRY RAND CORPORATION</small>
				2-4-65	A	
				DRAFTSMAN		TITLE
				J. R. CURTIS		
				CHECKER		FUNCTIONAL SCHEMATIC, Z0 REGISTER BITS 00-05
				B. POPOV		
				ENGINEER		CODE IDENT NO. SIZE DWG NO.
				N. MACROBIE		
				APPROVAL		90536 D 7032673
				<i>[Signature]</i>		
				SCALE		SHEET OF
				WEIGHT		

IDENT NO. 7032673-00

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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES. TOLERANCE ON	
2 PLACE DECIMALS	± .005
3 PLACE DECIMALS	± .0005
ANGLES	± .005
HOLE DIAMETER TOLERANCE	
Ø THRU .250	± .005
.251 THRU .500	± .005
.501 & LARGER	± .010
THREADS: EXT. CL. 2A, INT. CL. 2B	
MATERIAL	
FINISH	
APPLICATION	
EQUIPMENT	
COMMODITY CODE	

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED	
A		71702	SEE EIR	10-28-65	<i>[Signature]</i>

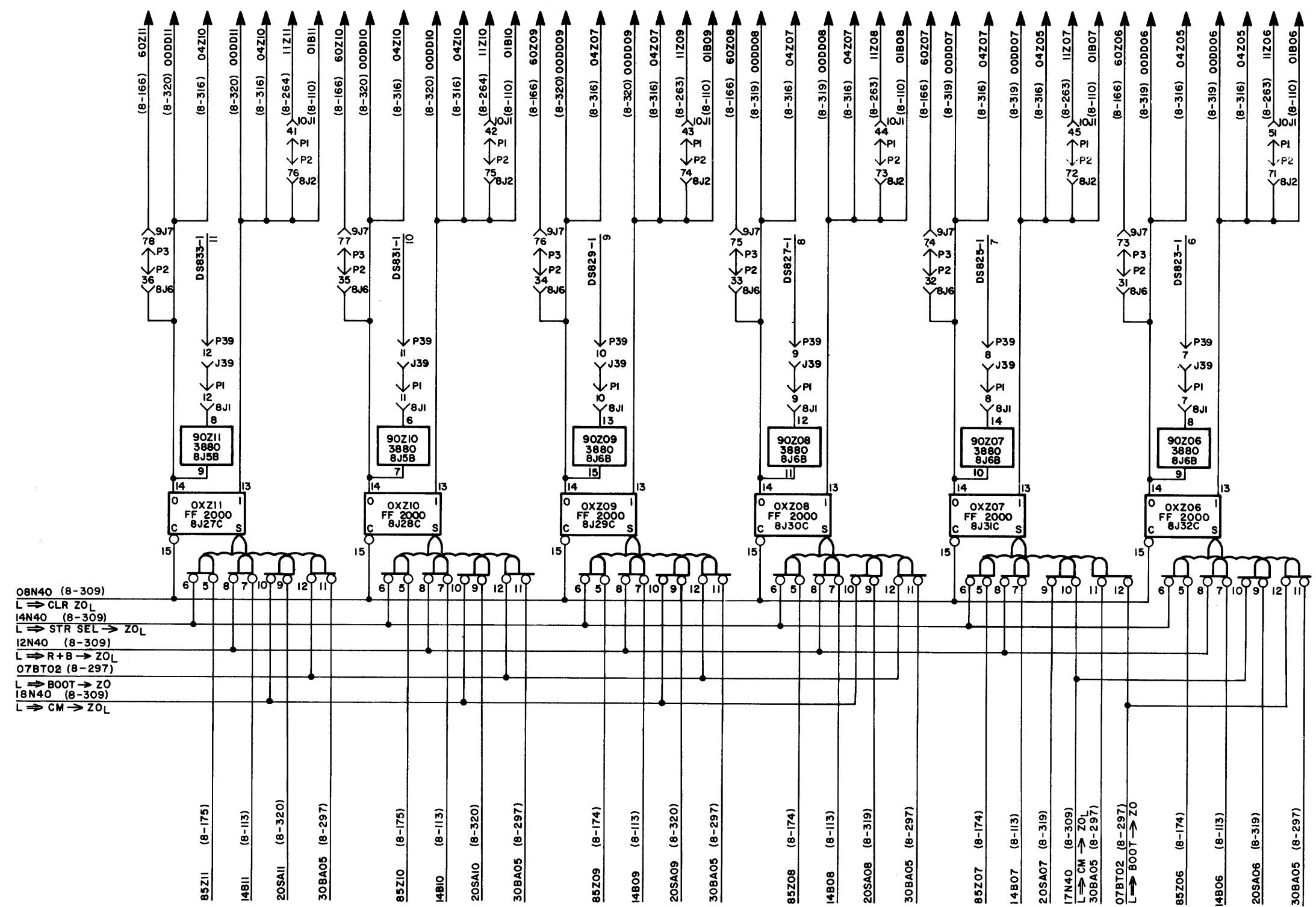


FIGURE 8-312

OBN40 (8-309)
L → CLR Z0L
I4N40 (8-309)
L → STR SEL → Z0L
I2N40 (8-309)
L → R+B → Z0L
O7BTO2 (8-297)
L → BOOT → Z0
I8N40 (8-309)
L → CM → Z0L

65Z11 (8-175) I4B11 (8-113) 20SA11 (8-320) 30BA05 (8-297)
65Z10 (8-175) I4B10 (8-113) 20SA10 (8-320) 30BA05 (8-297)
65Z09 (8-174) I4B09 (8-113) 20SA09 (8-320) 30BA05 (8-297)
65Z08 (8-174) I4B08 (8-113) 20SA08 (8-319) 30BA05 (8-297)
65Z07 (8-174) I4B07 (8-113) 20SA07 (8-319) 17N40 (8-309)
L → CM → Z0L
30BA05 (8-297)
O7BTO2 (8-297)
L → BOOT → Z0
65Z06 (8-174) I4B06 (8-113) 20SA06 (8-319) 30BA05 (8-297)

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNLESS OTHERWISE SPECIFIED:			LAYOUT		DATE	CLASS
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS ± .003			3 PLACE DECIMALS ± .002		2-4-65	A
ANGLES ± .002			HOLD DIAMETER TOLERANCE		TITLE	
0 THRU .250 + .003			.251 THRU .500 ± .005		FUNCTIONAL SCHEMATIC	
.501 & LARGER + .010			THREADS: EXT. CL. 2A, INT. CL. 2B		Z0 REGISTER	
MATERIAL			FINISH		BITS 06-11	
NEXT ASSY			APPLICATION		CODE IDENT NO.	
COMMODITY CODE			MATERIAL		SIZE	
THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:			APPROVAL		DWG NO.	
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			D. U. Mager		D	
			9-15-65		7032674	
			9-15-65		SCALE	
					WEIGHT	
					SHEET OF	

IDENT NO. 7032674-00

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REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		71702	SEE EIR		10-28-65	<i>[Signature]</i>

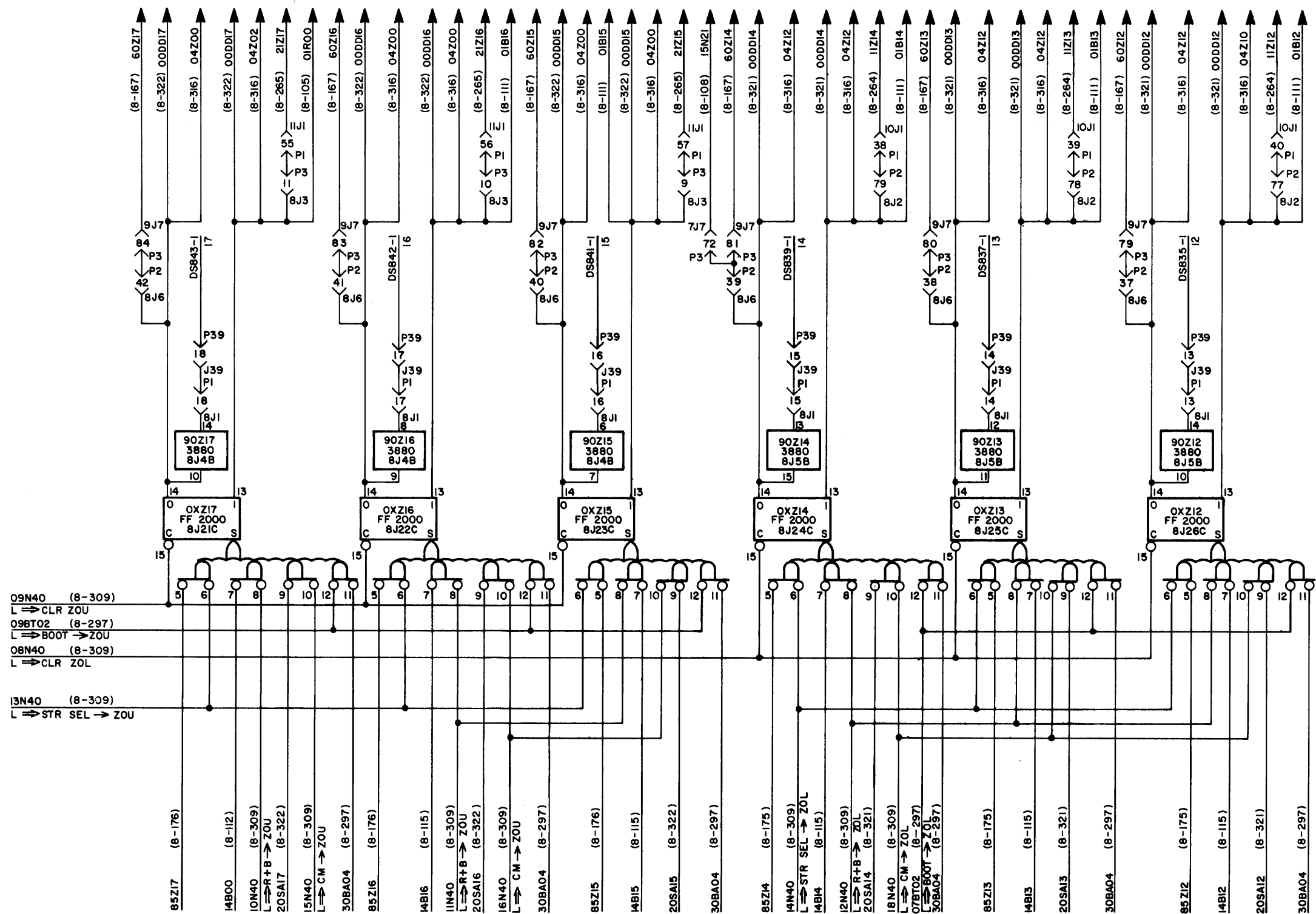


FIGURE 8-313

QTY	FIND	REF	DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL			
DATE	CLASS	UNIVAC	
23-65	A	DIVISION OF SPERRY RAND CORPORATION	
DRAFTSMAN		TITLE	
J.R. CURTIS		FUNCTIONAL SCHEMATIC, Z0 REGISTER BITS 12-17	
CHECKER		ENGINEER	
B. POPOV		N. MACRORIE	
APPROVAL		DATE	
<i>[Signature]</i>		9-15-65	
CODE IDENT NO.	SIZE	DWG NO.	
90536	D	7032675	
SCALE	WEIGHT	SHEET OF	

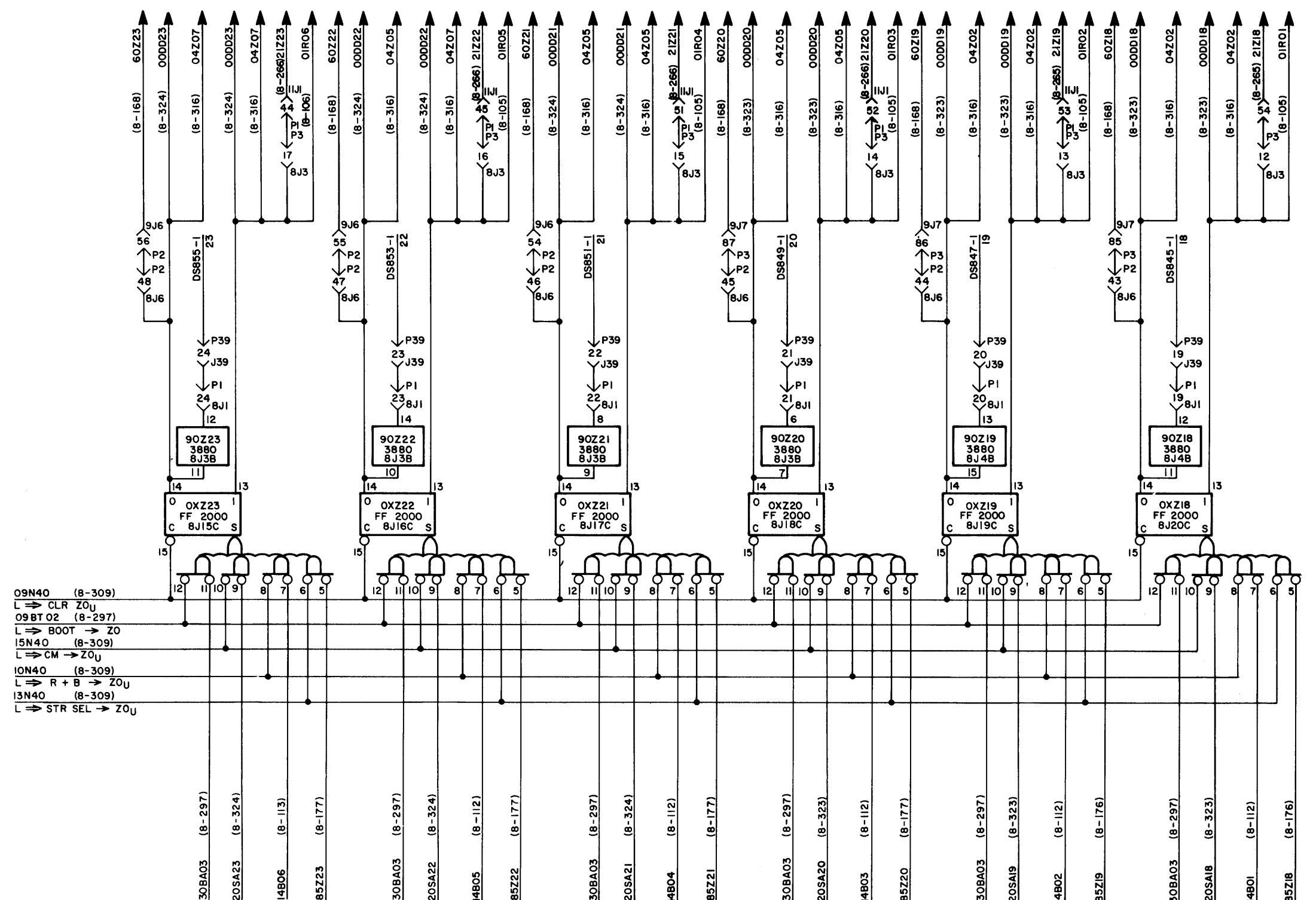
IDENT NO. 7032675-00

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UNLESS OTHERWISE SPECIFIED		
DIMENSION IN INCHES	TOLERANCE ON 2 PLACE DECIMALS	TOLERANCE ON 3 PLACE DECIMALS
	± .005	± .001
HOLE DIAMETER TOLERANCE	± .005	
0 THRU .250	± .003	± .002
.251 THRU .500	± .004	± .003
.501 & LARGER	± .005	± .004
THREADS: EXT. CL. 2A, INT. CL. 2B		
MATERIAL		
FINISH		

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVED
A		71702	SEE EIR	10-28-65	[Signature]



09N40 (8-309)
 L → CLR Z0U
 09BT 02 (8-297)
 L → BOOT → Z0
 15N40 (8-309)
 L → CM → Z0U
 10N40 (8-309)
 L → R + B → Z0U
 13N40 (8-309)
 L → STR SEL → Z0U

FIGURE 8-314

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL

UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
2 PLACE DECIMALS	DRAFTSMAN	2-4-65	A
3 PLACE DECIMALS	J. R. CURTIS		
± ANGLES	CHECKER		
HOLE DIAMETER TOLERANCE	B. POPOV		
0 THRU .250	ENGINEER	9-15-65	
+ .003	N. MACRODIE	9-15-65	
-.002	APPROVAL		
THREADS: EXT. CL. 2A, INT. CL. 2B	[Signature]		
MATERIAL			
FINISH			

CODE IDENT NO.	SIZE	DWG NO.
90536	D	7032676

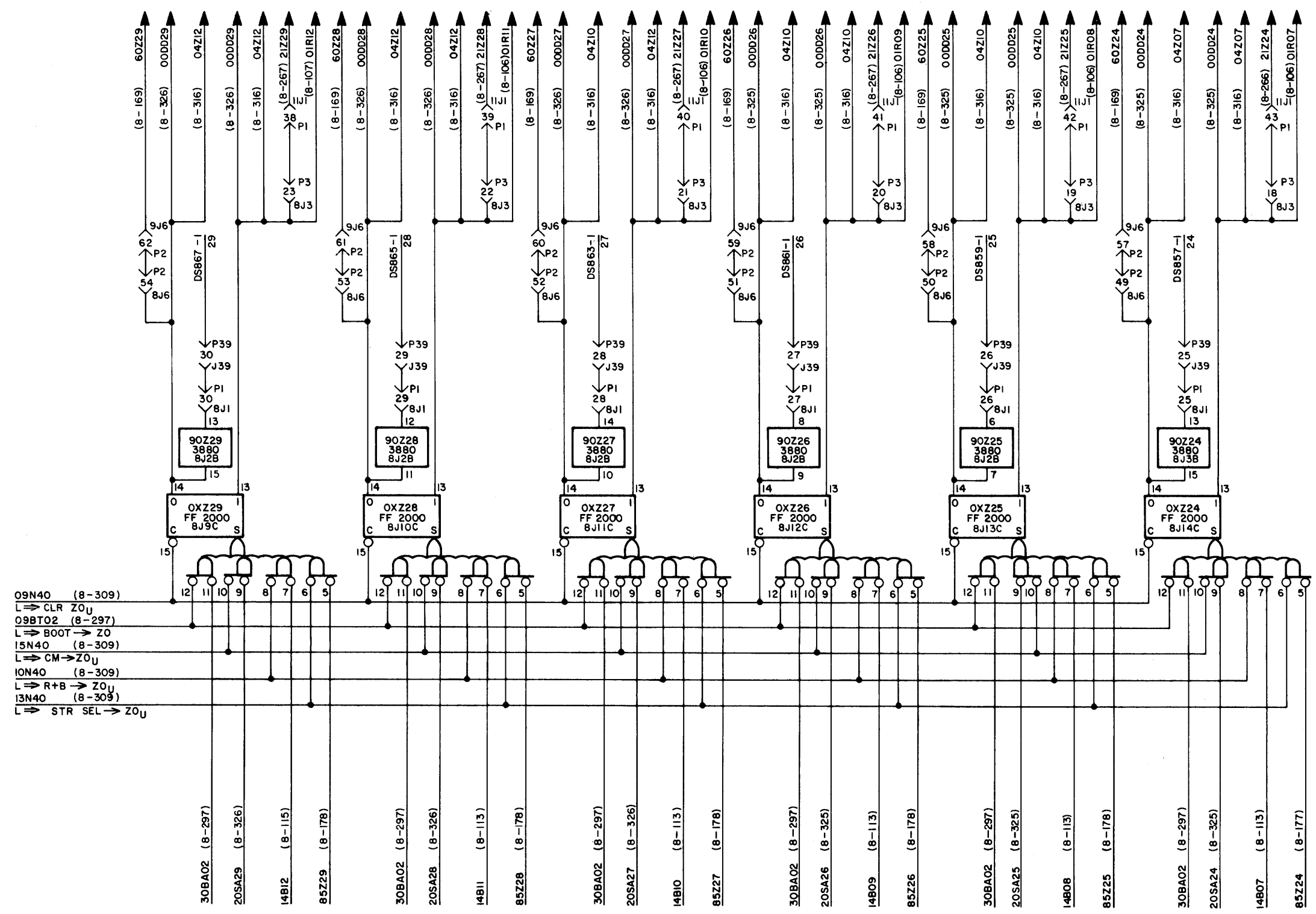
SCALE: _____ WEIGHT: _____ SHEET 1 OF 1

IDENT NO. 7032676-00

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REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		71702	SEE EIR		10/28/65	



09N40 (8-309)
L → CLR Z0U
09BT02 (8-297)
L → BOOT → Z0
15N40 (8-309)
L → CM → Z0U
10N40 (8-309)
L → R+B → Z0U
13N40 (8-309)
L → STR SEL → Z0U

FIGURE 8-315

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNIVAC						
DIVISION OF SPERRY RAND CORPORATION						
TITLE						
FUNCTIONAL SCHEMATIC, Z0 REGISTER BITS 24-29						
CODE IDENT NO. 90536						
SIZE D						
DWG NO. 7032677						
SCALE						
WEIGHT						
SHEET OF						

IDENT NO. 7032677-00

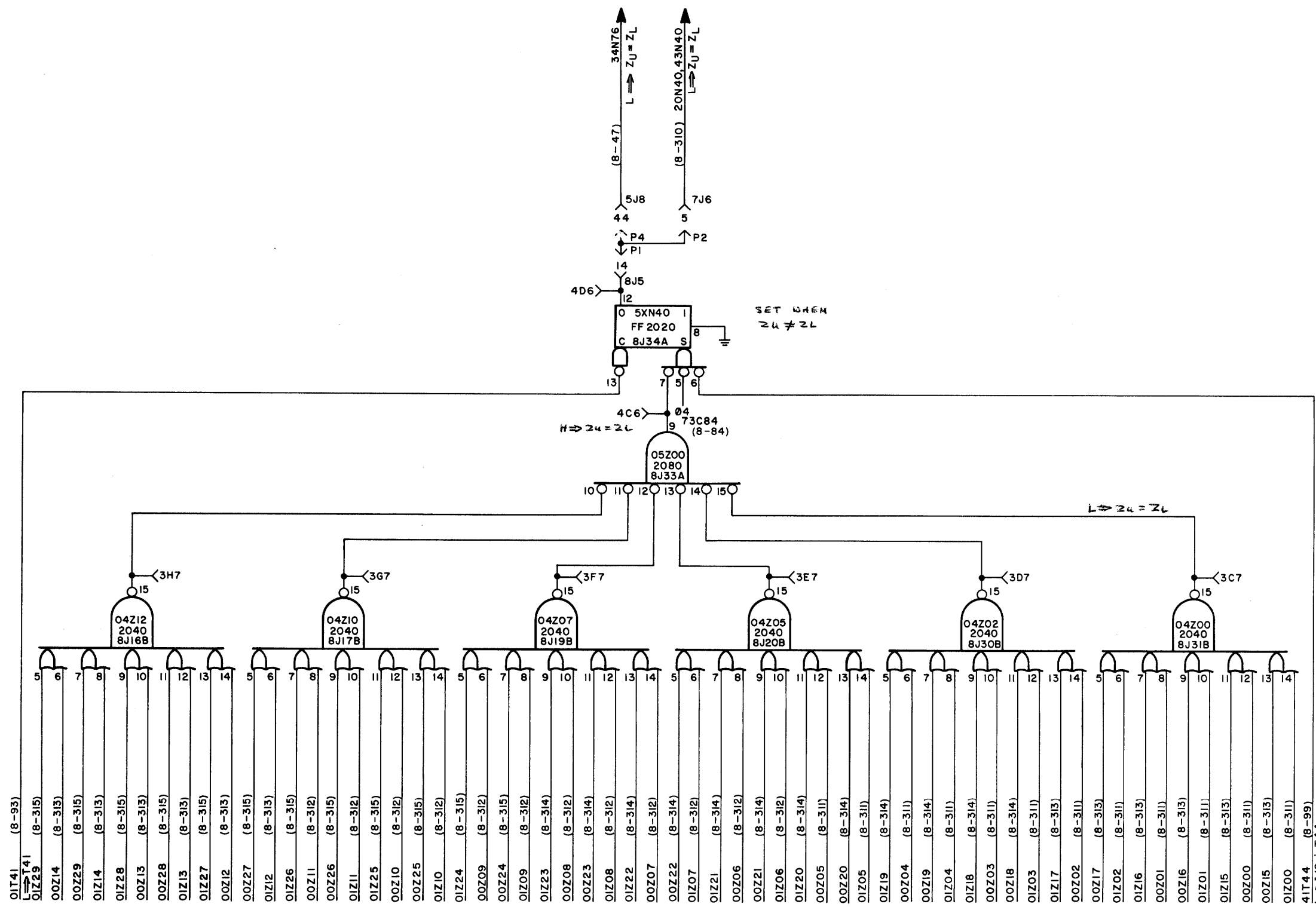
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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES TOLERANCE ON 2 PLACE DECIMALS	± .005
DIMENSION IN INCHES TOLERANCE ON 3 PLACE DECIMALS	± .0005
ANGLES	± .005
HOLE DIAMETER TOLERANCE	± .0005
0 THRU .250	± .0005
.251 THRU .500	± .0005
.501 & LARGER	± .0010
THREADS, EXCEPT 20, INT CL 2B	± .0005
MATERIAL	
FINISH	

LAYOUT	DATE	CLASS
J. R. CURTIS	2-4-65	A
CHECKER	B. POPOV	
ENGINEER	N. MACRODIE	
APPROVAL		

REVISED		DATE	BY
NO.	DESCRIPTION		



- | | |
|---------------|---------|
| 01T41 | (8-93) |
| L → T41 | |
| 01Z29 | (8-315) |
| 00Z14 | (8-313) |
| 00Z29 | (8-315) |
| 01Z14 | (8-313) |
| 01Z28 | (8-315) |
| 00Z13 | (8-313) |
| 00Z28 | (8-315) |
| 01Z13 | (8-313) |
| 01Z27 | (8-315) |
| 00Z12 | (8-313) |
| 00Z27 | (8-315) |
| 01Z12 | (8-313) |
| 01Z26 | (8-315) |
| 00Z11 | (8-312) |
| 00Z26 | (8-315) |
| 01Z11 | (8-312) |
| 01Z25 | (8-315) |
| 00Z10 | (8-312) |
| 00Z25 | (8-315) |
| 01Z10 | (8-312) |
| 01Z24 | (8-315) |
| 00Z09 | (8-312) |
| 00Z24 | (8-315) |
| 01Z09 | (8-312) |
| 01Z23 | (8-314) |
| 00Z08 | (8-312) |
| 00Z23 | (8-314) |
| 01Z08 | (8-312) |
| 01Z22 | (8-314) |
| 00Z07 | (8-312) |
| 00Z22 | (8-314) |
| 01Z07 | (8-312) |
| 01Z21 | (8-314) |
| 00Z06 | (8-312) |
| 00Z21 | (8-314) |
| 01Z06 | (8-312) |
| 01Z20 | (8-314) |
| 00Z05 | (8-311) |
| 00Z20 | (8-314) |
| 01Z05 | (8-311) |
| 01Z19 | (8-314) |
| 00Z04 | (8-311) |
| 00Z19 | (8-314) |
| 01Z04 | (8-311) |
| 01Z18 | (8-314) |
| 00Z03 | (8-311) |
| 00Z18 | (8-314) |
| 01Z03 | (8-311) |
| 01Z17 | (8-313) |
| 00Z02 | (8-311) |
| 00Z17 | (8-313) |
| 01Z02 | (8-311) |
| 01Z16 | (8-313) |
| 00Z01 | (8-311) |
| 00Z16 | (8-313) |
| 01Z01 | (8-311) |
| 01Z15 | (8-313) |
| 00Z00 | (8-311) |
| 00Z15 | (8-313) |
| 01Z00 | (8-311) |
| 41T44 | (8-99) |
| L → I/O 1-T44 | |

FIGURE 8-316

IDENT NO. 7032664-00

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UNLESS OTHERWISE SPECIFIED:		LAYOUT	DATE	CLASS
DIMENSION IN INCHES	TOLERANCE		5-1-65	A
INCHES	± .015	DRAFTSMAN		
FRACTIONS	± .005	E. NOLEN		
DECIMALS	± .002	CHECKER		
ANGLES	± .005	B. POPOV	9-15-65	
		ENGINEER		
		N. MACROBIE	9-15-65	
		APPROVAL		
		ELU Major	9-15-65	
TITLE			FUNCTIONAL SCHEMATIC, ZU ≠ ZL	
CODE IDENT NO.			90536	SIZE
DWG NO.			D	7032664
SHEET			OF	1

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED
A		71702	SEE EIR	10/28/65

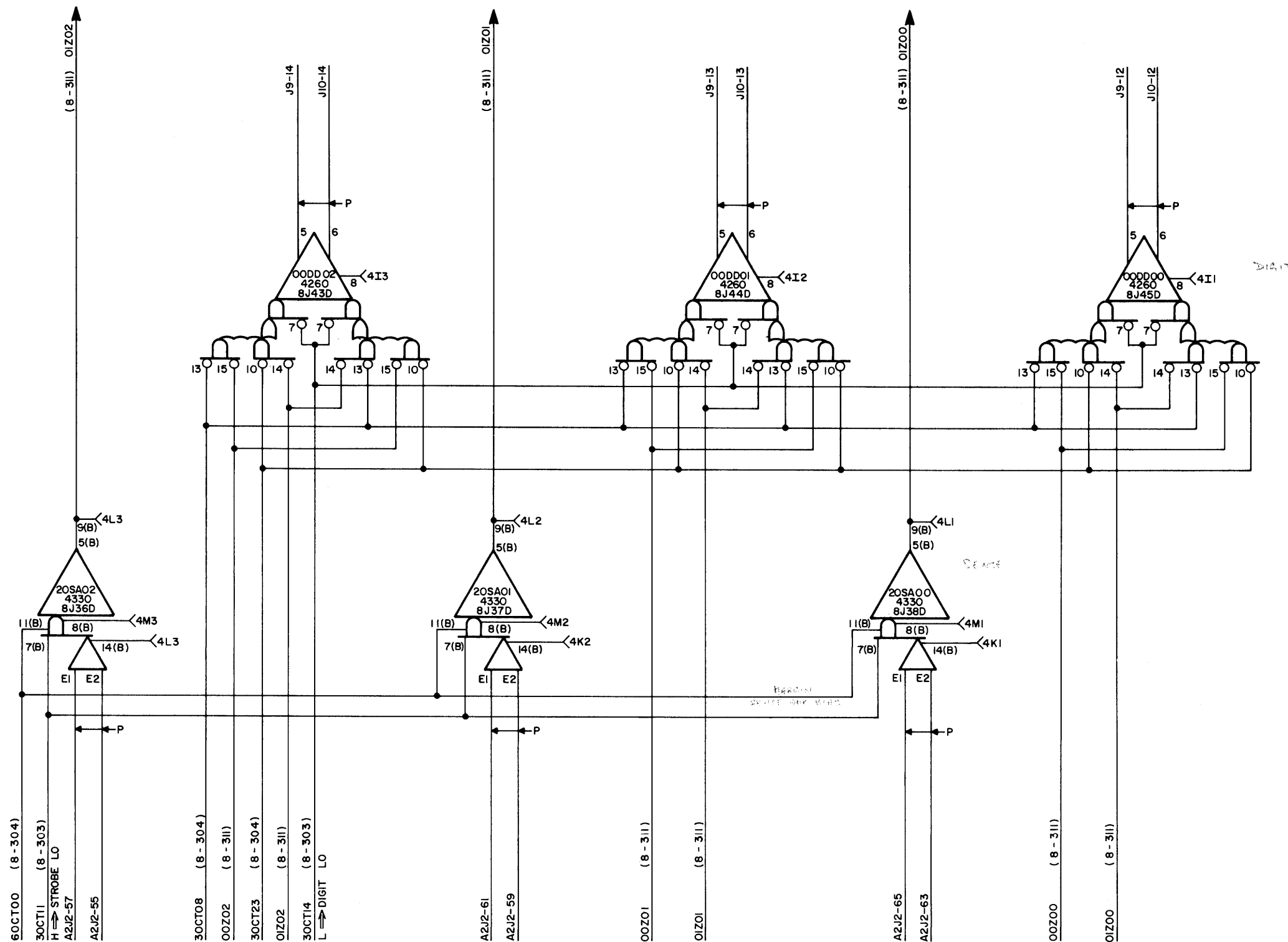


FIGURE 8-317

QTY	FIND	REF DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

IDENT NO. 7035480-00

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UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE		CLASS	
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS		DRAFTSMAN		8-31-65		A	
± .005		D.C. WHEELER				TITLE	
HOLE DIAMETER TOLERANCE		CHECKER		9-15-65		FUNCTIONAL SCHEMATIC, SENSE AMP, DIGIT DRIVERS BITS 00-02	
0 THRU .250 ± .005		B. POPOV				CODE IDENT NO.	
.251 THRU .500 ± .010		ENGINEER		9-15-65		SIZE	
.501 & LARGER ± .010		C. HOGENSON				D	
THREADS: EXT. CL. INT. CL. 28		APPROVAL		9-15-65		DWG NO.	
MATERIAL		[Signature]				90536	
FINISH		COMMODITY CODE				7035480	
						SCALE	
						WEIGHT	
						SHEET OF	

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		71702	SEE EIR		6/10/65	<i>[Signature]</i>

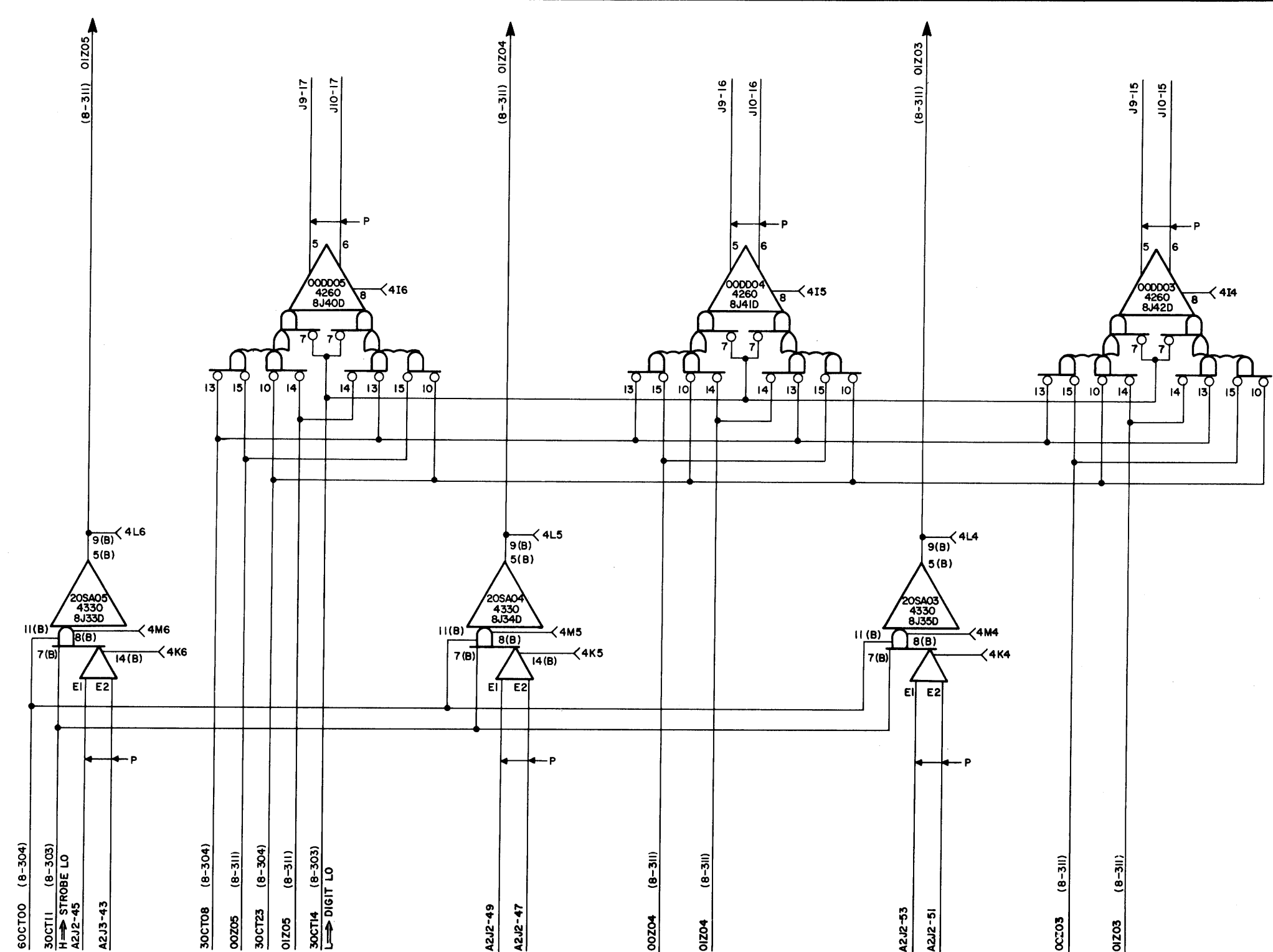


FIGURE 8-318

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	

IDENT NO. 7035481-00

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UNLESS OTHERWISE SPECIFIED		LAYOUT	DATE	CLASS	LIST OF MATERIAL	
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS	3 PLACE DECIMALS	W.E. BOIKE	8-31-65	A	UNIVAC	
ANGLES		CHECKER			DIVISION OF SPERRY RAND CORPORATION	
HOLE DIAMETER TOLERANCE		B. POPOV	9-15-65		TITLE	
Ø THRU .250	.251 THRU .500	ENGINEER			FUNCTIONAL SCHEMATIC, SENSE AMP, DIGIT DRIVERS BITS 03-05	
+ .003	+ .005	C. HOGENSON	9-15-65		CODE IDENT NO.	SIZE
-.002	Ø & LARGER	APPROVAL			90536	D
THREADS: EXT. CL. 2A, INT. CL. 2B		<i>[Signature]</i>	9-15-65		OWG NO.	7035481
MATERIAL	FINISH				SCALE	WEIGHT
NEXT ASSEMBLY	EQUIPMENT					SHEET 1 OF 1
APPLICATION						
COMMODITY CODE						

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVED
A		71702	SEE EIR	2/20/65	[Signature]

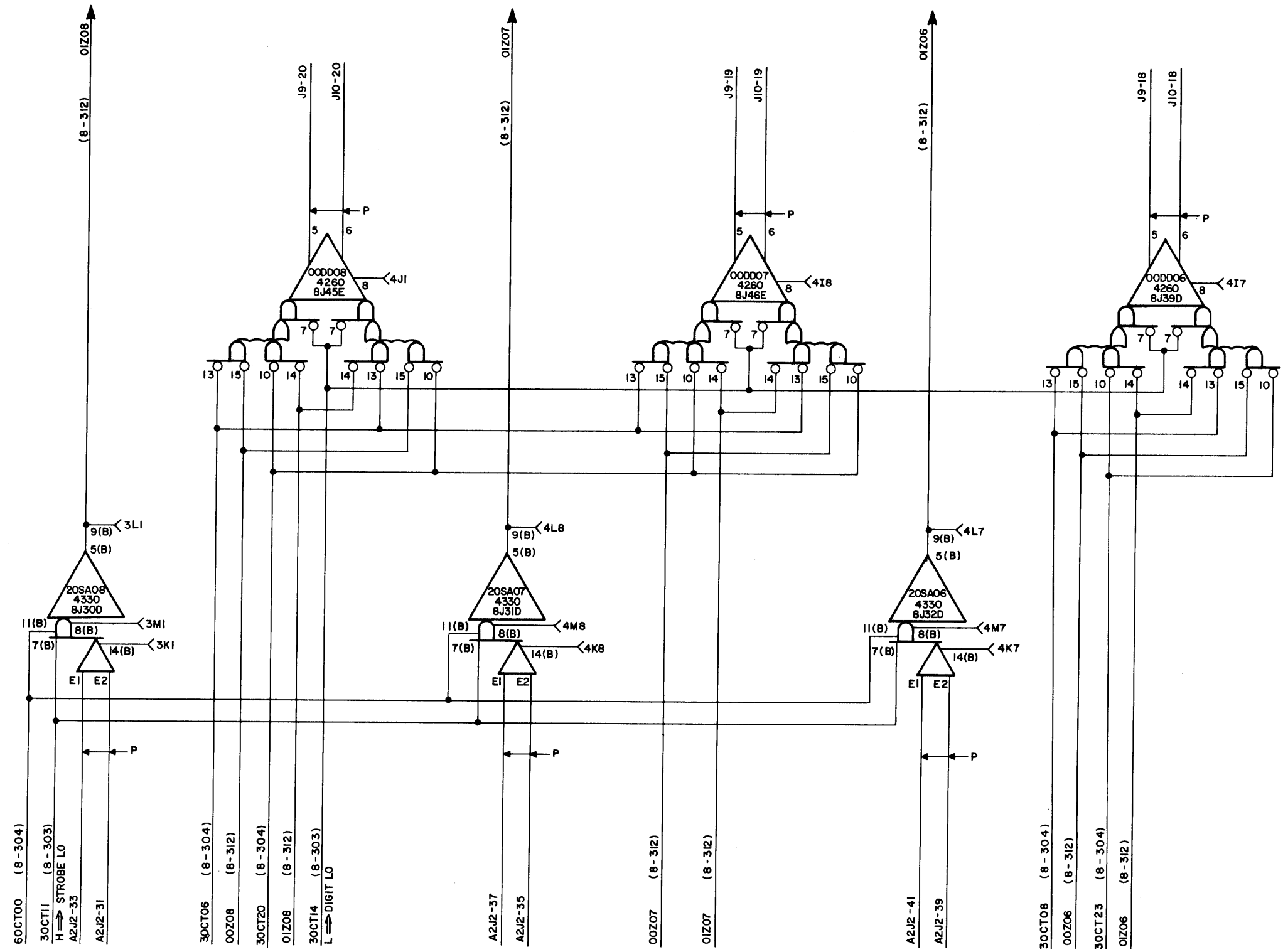


FIGURE 8-319

QTY	FIND	REF	DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

LIST OF MATERIAL			
CLASS	DATE	TITLE	
A	8/31/65	FUNCTIONAL SCHEMATIC, SENSE AMP, DIGIT DRIVERS	
DWG NO.	SIZE	CODE IDENT NO.	
7035482	D	90536	
SCALE	WEIGHT	SHEET	OF 1

IDENT NO. 7035482-00

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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES	TOLERANCE
2 PLACE DECIMALS	± .005
3 PLACE DECIMALS	± .001
ANGLES	± .010
HOLE DIAMETER TOLERANCE	
0 THRU .250	± .005
.251 THRU .500	± .003
.501 & LARGER	± .010
THREADS: EXT. CL. 2A, INT. CL. 2B	
MATERIAL	
FINISH	

LAYOUT	DATE
W. E. BOIKE	8/31/65
CHECKER	DATE
B. POPOV	9-15-65
ENGINEER	DATE
C. HOGENSON	9-15-65
APPROVAL	DATE
[Signature]	9-15-65

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVED
A		71702	SEE EIR	09-28-65	<i>[Signature]</i>

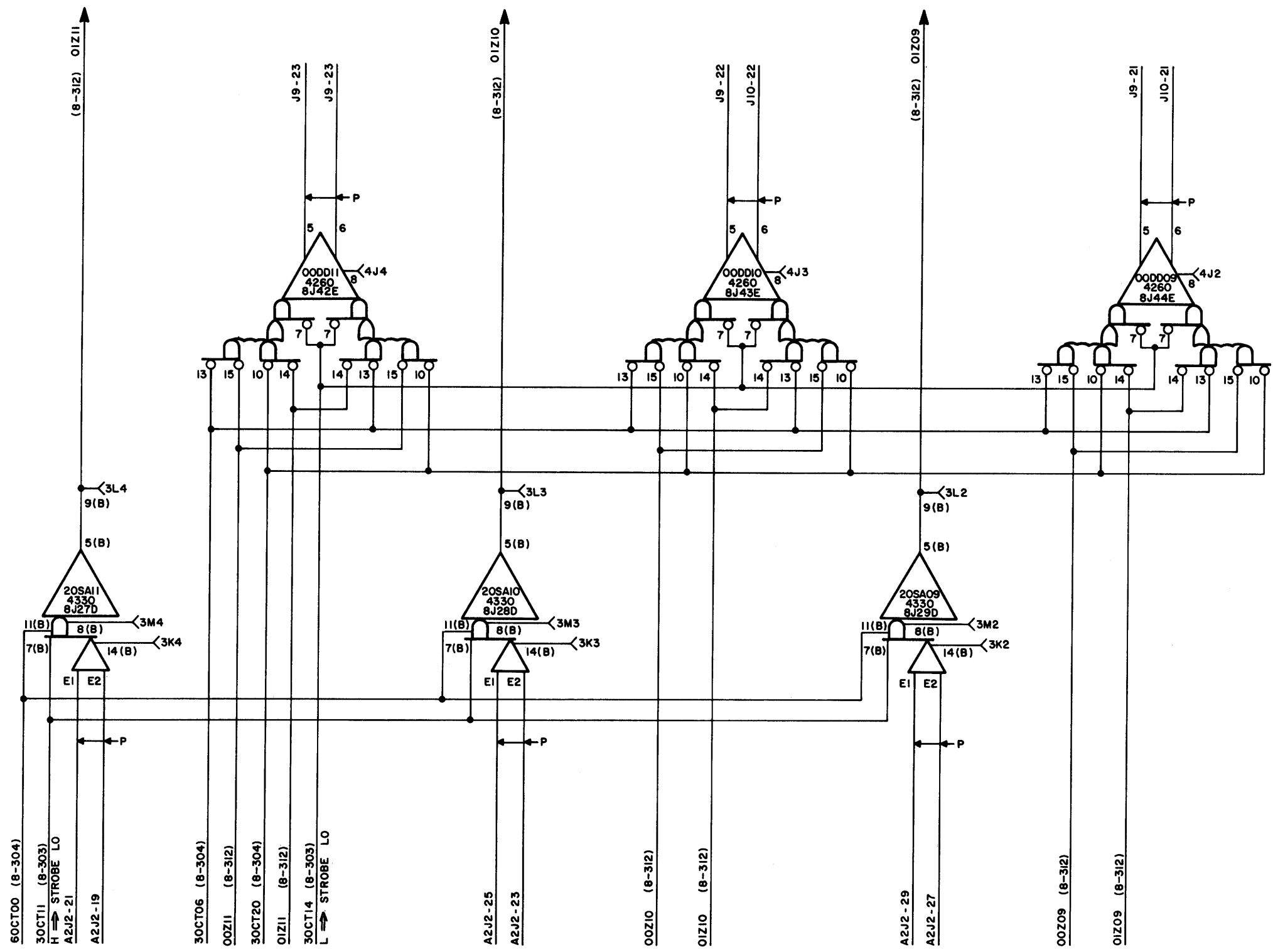


FIGURE 8-320

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

UNLESS OTHERWISE SPECIFIED		LAYOUT	DATE	CLASS	UNIVAC	
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS			8-31-65	A	DIVISION OF SPERRY RAND CORPORATION	
DIMENSION IN INCHES. TOLERANCE ON 3 PLACE DECIMALS		DRAFTSMAN			TITLE	
ANGLES		R. M. BECKMAN			FUNCTIONAL SCHEMATIC, SENSE AMP, DIGIT DRIVERS BITS 09-11	
HOLE DIAMETER TOLERANCE		CHECKER	7-15-65		CODE IDENT NO.	
0 THRU .390		B. POPOV			90536	
.391 THRU .500		ENGINEER			SIZE	
.501 & LARGER		C. HOGENSON	8-15-65		D	
+ .003					DWG NO.	
+ .005					7035483	
- .002					SCALE	
- .005					WEIGHT	
THREADS: EXT. INT. CL. 28					SHEET 1 OF 1	
- MATERIAL						
FINISH						

IDENT NO. 7035483-00

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REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVED
A		71702	SEE EIR	10-28-65	

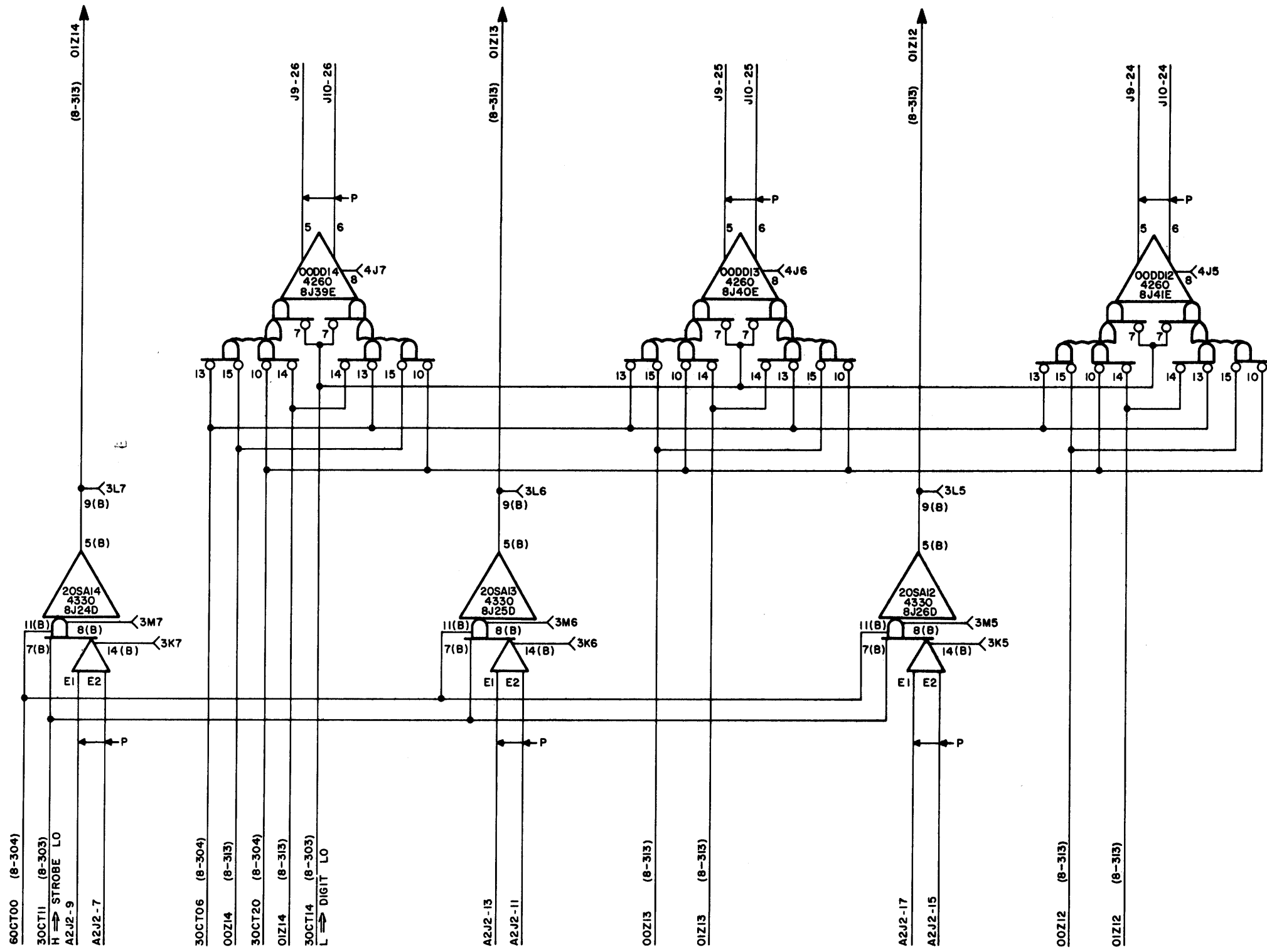


FIGURE 8-321

QTY	FIND	REF DES	CODE	QTY	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

IDENT NO. 7035484-00

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UNLESS OTHERWISE SPECIFIED		LAYOUT	DATE	CLASS	UNIVAC	
DIMENSION IN INCHES, TOLERANCE ON		DRAFTSMAN	8-30-65	A	DIVISION OF SPERRY RAND CORPORATION	
2 PLACE DECIMALS ±	3 PLACE DECIMALS ±	R. M. BECKMAN			TITLE	
HOLE DIAMETER TOLERANCE		CHECKER			FUNCTIONAL SCHEMATIC, SENSE AMP, DIGIT DRIVERS	
Ø THRU .250 ±.003	.251 THRU .500 ±.005	B. POPOV			BITS 12-14	
.501 THRU .750 ±.007	.751 THRU 1.000 ±.010	ENGINEER			CODE IDENT NO.	SIZE
1.001 THRU 2.000 ±.015	2.001 THRU 3.000 ±.020	C. HOGENSON			90536	D
3.001 THRU 4.000 ±.025	4.001 THRU 5.000 ±.030	APPROVAL			DWG NO.	7035484
5.001 THRU 10.000 ±.050	10.001 THRU 20.000 ±.100				SCALE	WEIGHT
20.001 THRU 50.000 ±.150	50.001 THRU 100.000 ±.300					SHEET 1 OF 1
100.001 THRU 200.000 ±.500	200.001 THRU 500.000 ±1.000					
500.001 THRU 1000.000 ±2.000	1000.001 THRU 2000.000 ±5.000					
2000.001 THRU 5000.000 ±10.000	5000.001 THRU 10000.000 ±20.000					

REVISIONS				
SYM	ZONE	ERR	DESCRIPTION	OR DATE APPROVED

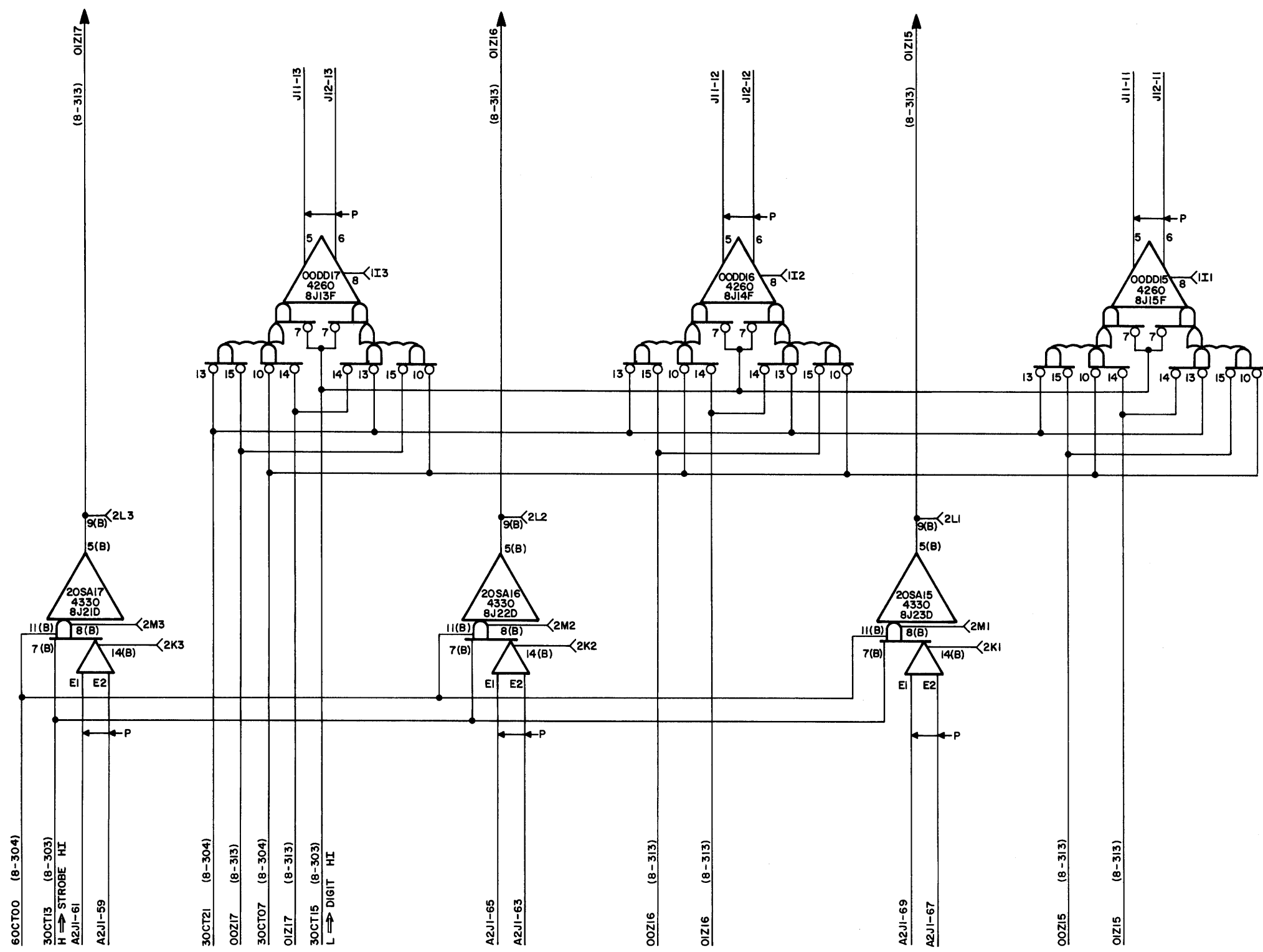


FIGURE 8-322

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

IDENT NO. 7035485-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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UNLESS OTHERWISE SPECIFIED		LAYOUT	DATE	CLASS
DIMENSION IN INCHES	TOLERANCE ON			
2 PLACE DECIMALS	± .005	DRAFTSMAN D.C. WHEELER	8-30-65	A
3 PLACE DECIMALS	± .002			
HOLE DIAMETER TOLERANCE		CHECKER B. POPOV	9-15-65	TITLE FUNCTIONAL SCHEMATIC, SENSE AMP, DIGIT DRIVERS BITS 15-17
Ø THRU .390	± .005			
.390 THRU .500	± .010	ENGINEER C. HOGENSON	9-15-65	CODE IDENT NO. 90536
.500 & LARGER	± .015			
THREADS: EXT. CL. 2A, INT. CL. 2B		APPROVAL <i>C. Hogen</i>	FINISH	SIZE D
MATERIAL				
APPLICATION		COMMODITY CODE	DWG NO. 7035485	SCALE
EQUIPMENT				
SHEET OF		WEIGHT		

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVED
A		71703	SEE EIR	8/11-65	<i>[Signature]</i>
B		77408	SEE EIR	9/16-66	<i>[Signature]</i>

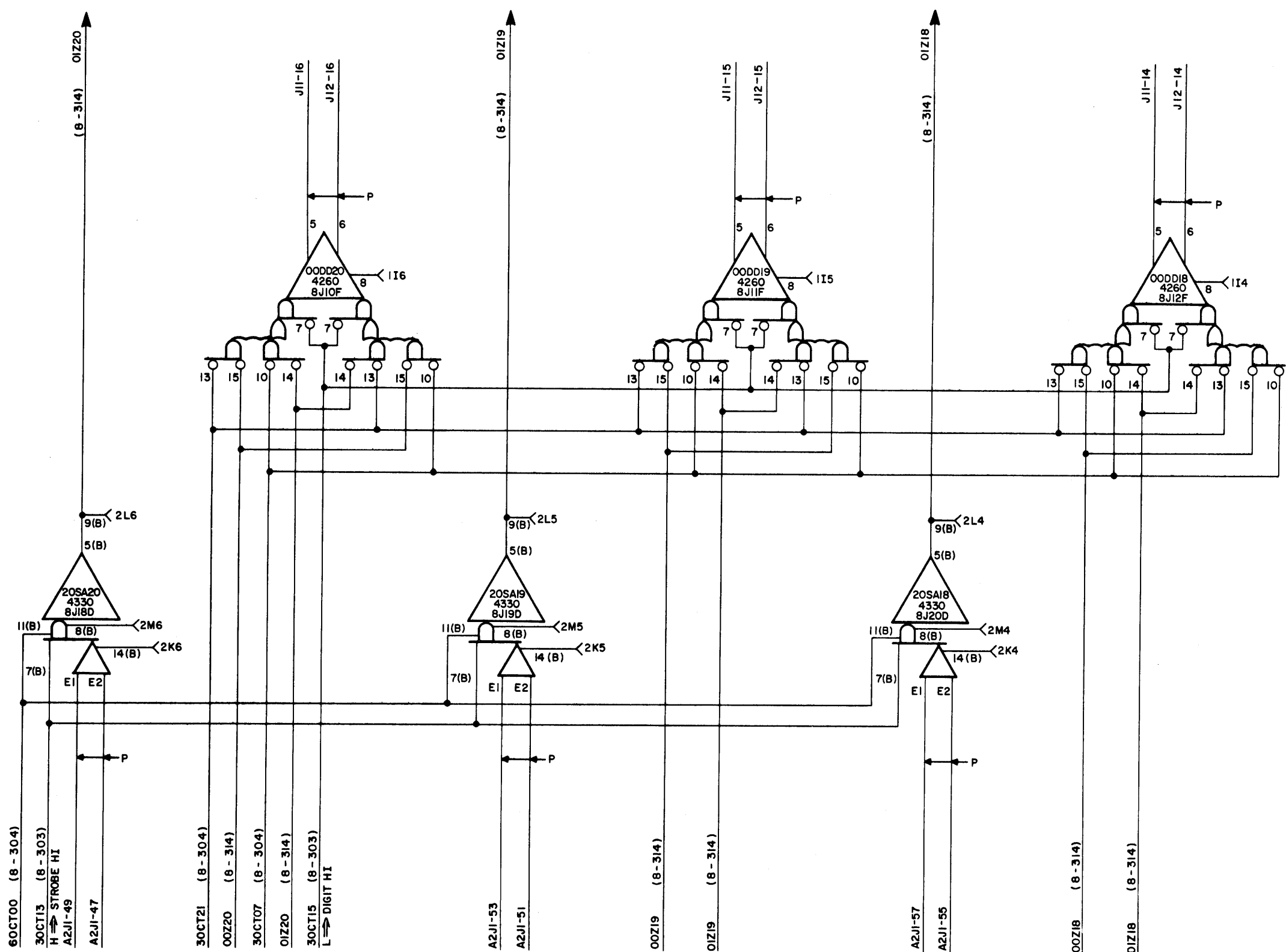


FIGURE 8-323

QTY	FIND	REF DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD			IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL						

UNLESS OTHERWISE SPECIFIED		LAYOUT	DATE	CLASS	UNIVAC DIVISION OF SPERRY RAND CORPORATION
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS ± .005 3 PLACE DECIMALS ± .002 ANGLES ± 1/2		DRAFTSMAN W. E. BOIKE	8-29-65	A	
HOLE DIAMETER TOLERANCE 0 THRU .390 ± .003 .391 THRU .500 ± .002 501 & LARGER ± .010 - .005		CHECKER B. POPOV	9/15/65		TITLE FUNCTIONAL SCHEMATIC, SENSE AMP, DIGIT DRIVERS BITS 18-20
THREADS: EXPT. CL. 2A, INT. CL. 2B		ENGINEER C. HOGENSON	C. H.	9-15-65	CODE IDENT NO. 90536
MATERIAL		APPROVAL <i>[Signature]</i>			SIZE D
FINISH					DWG NO. 7035486
NEXT ASSY EQUIPMENT					SCALE
APPLICATION					WEIGHT
COMMODITY CODE					SHEET OF

IDENT NO. 7035486-00

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REVISIONS				DWG	DATE	APPROVED
SYM	ZONE	EIR	DESCRIPTION			
A		77408	SEE EIR		4-16-66	BVP

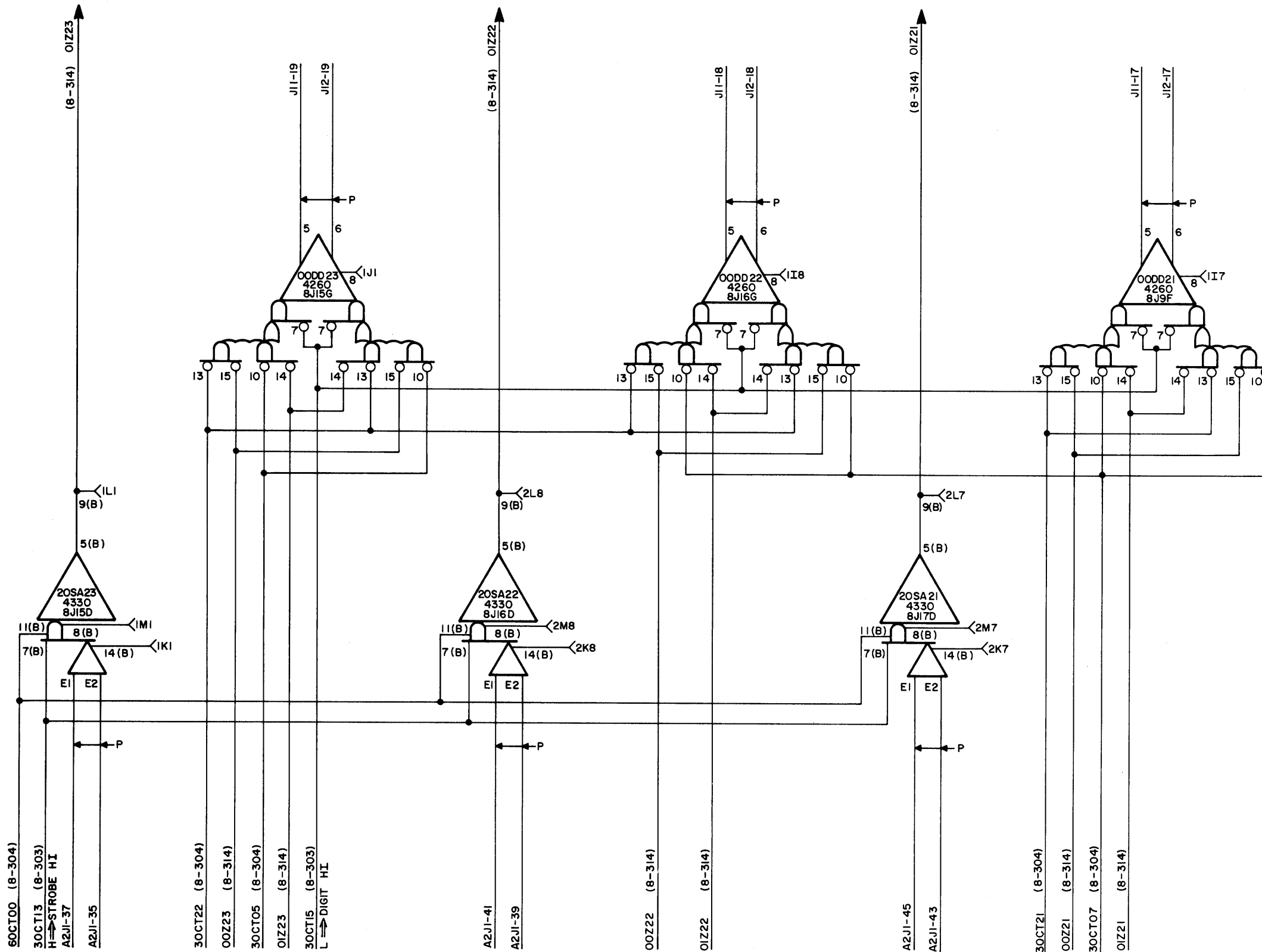


FIGURE 8-324

QTY	FIND	REF DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD			IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL						

IDENT NO. 7035487-00

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UNLESS OTHERWISE SPECIFIED		LAYOUT	DATE	CLASS	UNIVAC DIVISION OF SPERRY RAND CORPORATION
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS ± 0.005		DRAFTSMAN	8-31-65	A	
HOLE DIAMETER TOLERANCE 0 THRU .250 ± .003		D. C. WHEELER			TITLE FUNCTIONAL SCHEMATIC, SENSE AMP, DIGIT DRIVERS BITS 21-23
.251 THRU .500 ± .005		CHECKER	9-15-65		
.501 & LARGER ± .010		B. POPOV			CODE IDENT NO. 90536 SIZE D DWG NO. 7035487
THREADS: EXT. CL. 2A, INT. CL. 2B		ENGINEER			
MATERIAL		C. HOGENSON	C.N. 9-15-65		SCALE
FINISH		APPROVAL			WEIGHT
NEXT ASSY					SHEET 1 OF 1
EQUIPMENT					
APPLICATION					
COMMODITY CODE					

REVISIONS				
SYM	ZONE	ERR	DESCRIPTION	CHK DATE APPROVED

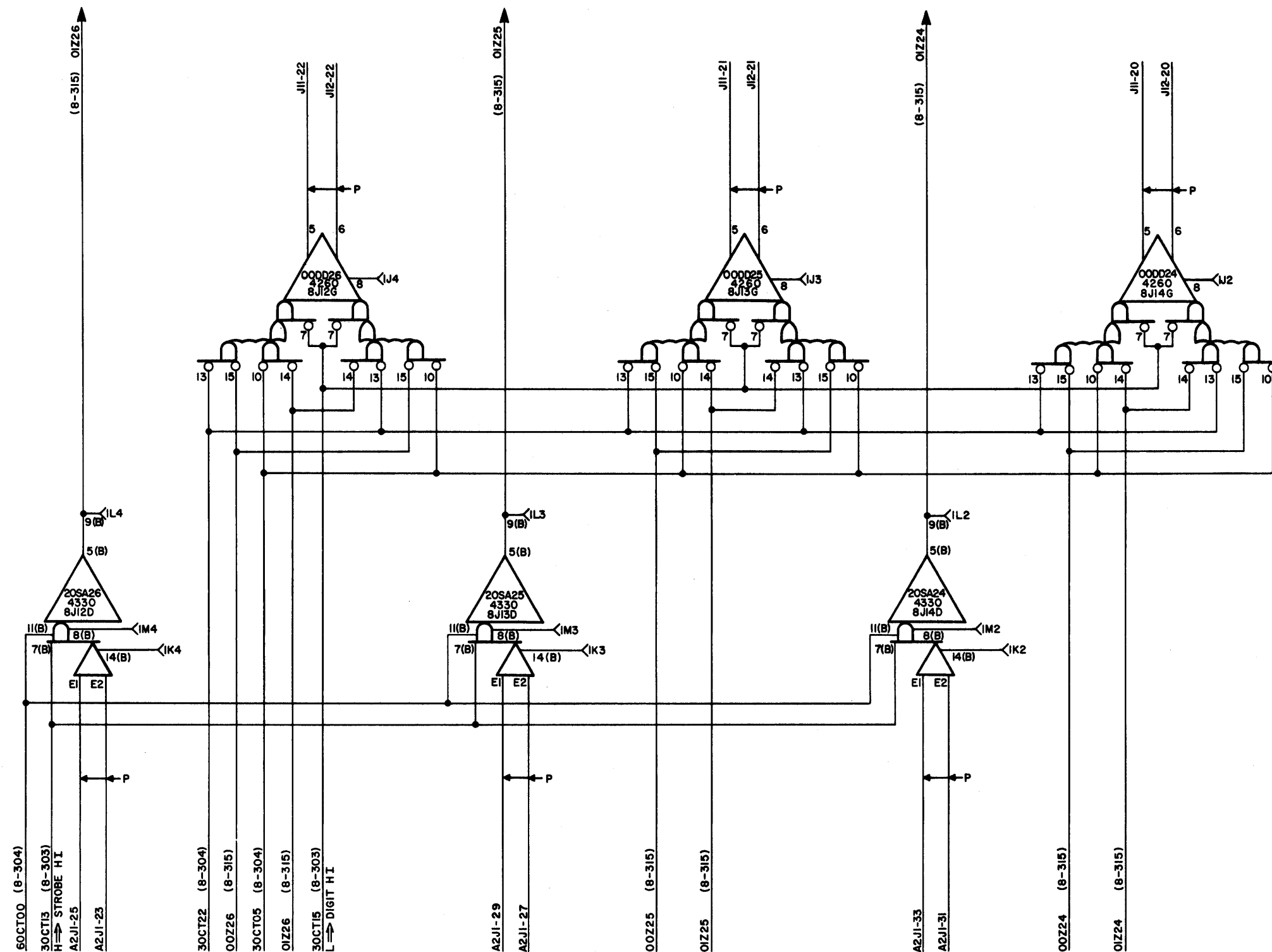


FIGURE 8-325

QTY	FIND	REF DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

IDENT NO. 7035488-00

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UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE		CLASS	
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS ± .005		R. L. JOHNSON		8-31-65		A	
HOLE DIAMETER TOLERANCE 0 THRU .250 ± .003 .251 THRU .500 ± .005 .501 & LARGER ± .010		CHECKER B. POPOV		9-15-65		TITLE FUNCTIONAL SCHEMATIC, SENSE AMP, DIGIT DRIVER BITS 24-26	
THREADS: EXCL. 2A, INT CL 2B		ENGINEER C. HOGENSON		C.H. 9-15-65		CODE IDENT NO. 90536	
MATERIAL		APPROVAL <i>[Signature]</i>		9-15-65		SIZE D	
FINISH		COMMODITY CODE		DWG NO. 7035488		SCALE	
NEXT ASSEMBLY EQUIPMENT		APPLICATION		WEIGHT		SHEET 1 OF 1	

REVISIONS					
SYM	ZONE	EIR	DESCRIPTION	DATE	APPROVED

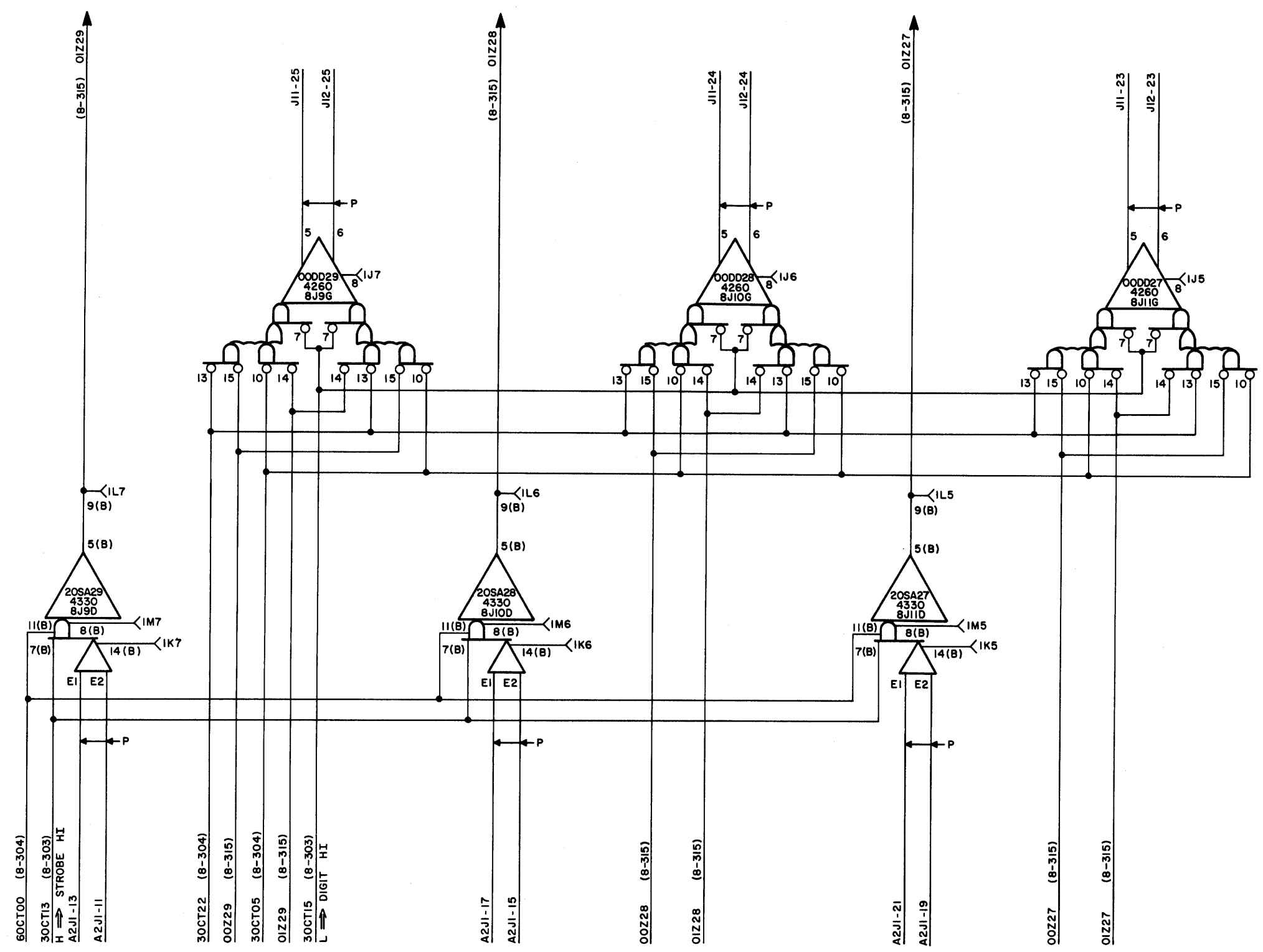


FIGURE 8-326

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

UNLESS OTHERWISE SPECIFIED		DIMENSION IN INCHES TOLERANCE ON		LAYOUT		DATE	
2 PLACE DECIMALS	3 PLACE DECIMALS	ANGLES					
± .005	± .002	± .010					
HOLE DIAMETER TOLERANCE							
0 THRU .250				.251 THRU .500			
+ .003				+ .005			
- .002				- .005			
				.501 & LARGER			
				+ .010			
				- .005			
				THREADS: EXT. CL. 2A, INT. CL. 2B			
MATERIAL		FINISH		DRAFTSMAN		DATE	
				R. M. BECKMAN		8-30-65	
NEXT ASSY		EQUIPMENT		CHECKER			
				B. POPOV		9-15-65	
APPLICATION				ENGINEER			
				C. HOGENSON		9-15-65	
COMMODITY CODE				APPROVAL			

IDENT NO. 7035489 - 00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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LIST OF MATERIAL		CLASS		TITLE	
		A		UNIVAC	
				DIVISION OF SPERRY RAND CORPORATION	
				FUNCTIONAL SCHEMATIC, SENSE AMP, DIGIT DRIVERS BITS 27 - 29	
		CODE IDENT NO.	SIZE	DWG NO.	
		90536	D	7035489	
		SCALE	WEIGHT	SHEET 1 OF 1	

REVISIONS					
SYM	ZONE	ERR	DESCRIPTION	DATE	APPROVED
A			SEE EIR	11-1-65	[Signature]

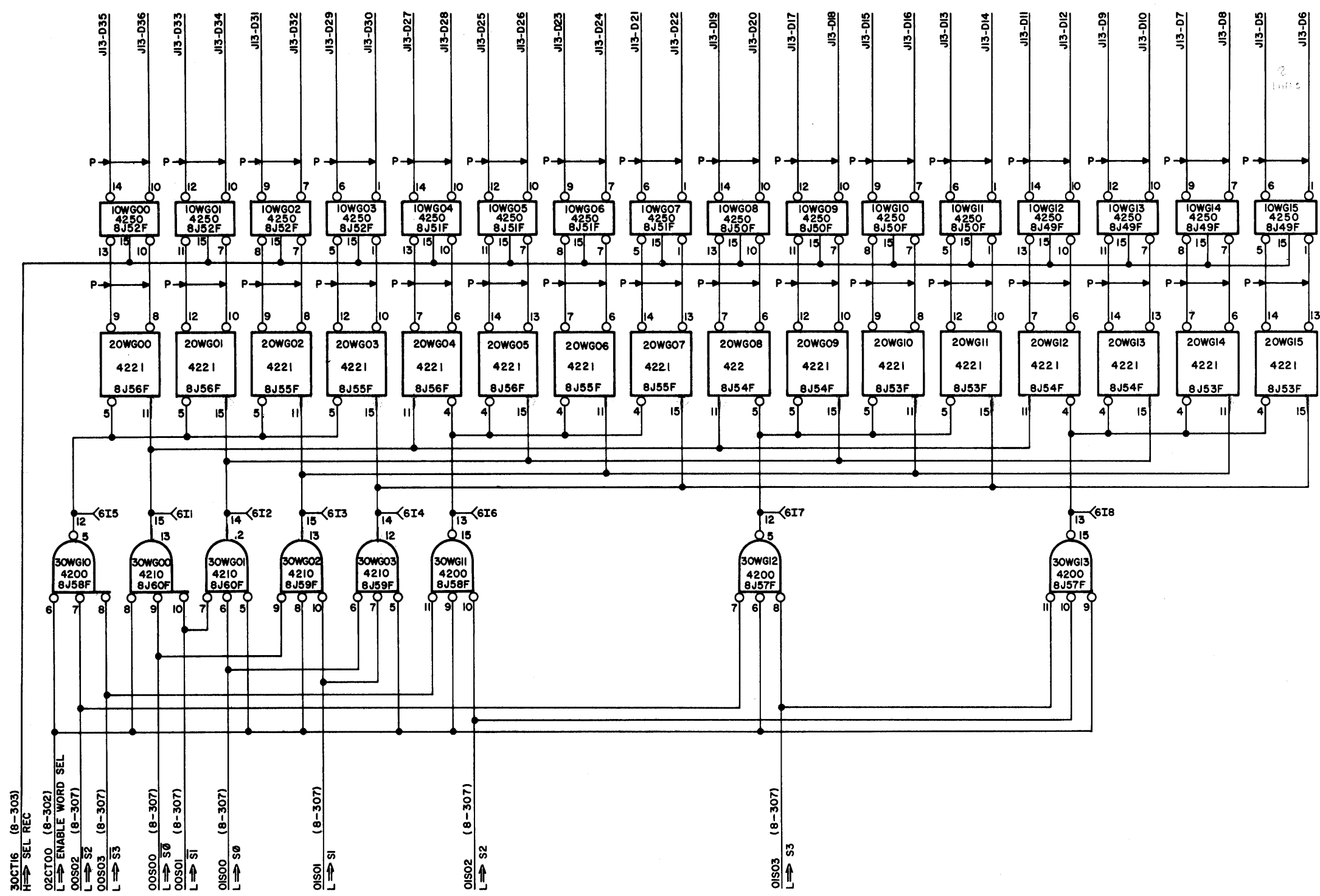


FIGURE 8-327

QTY	FIND	REF	DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

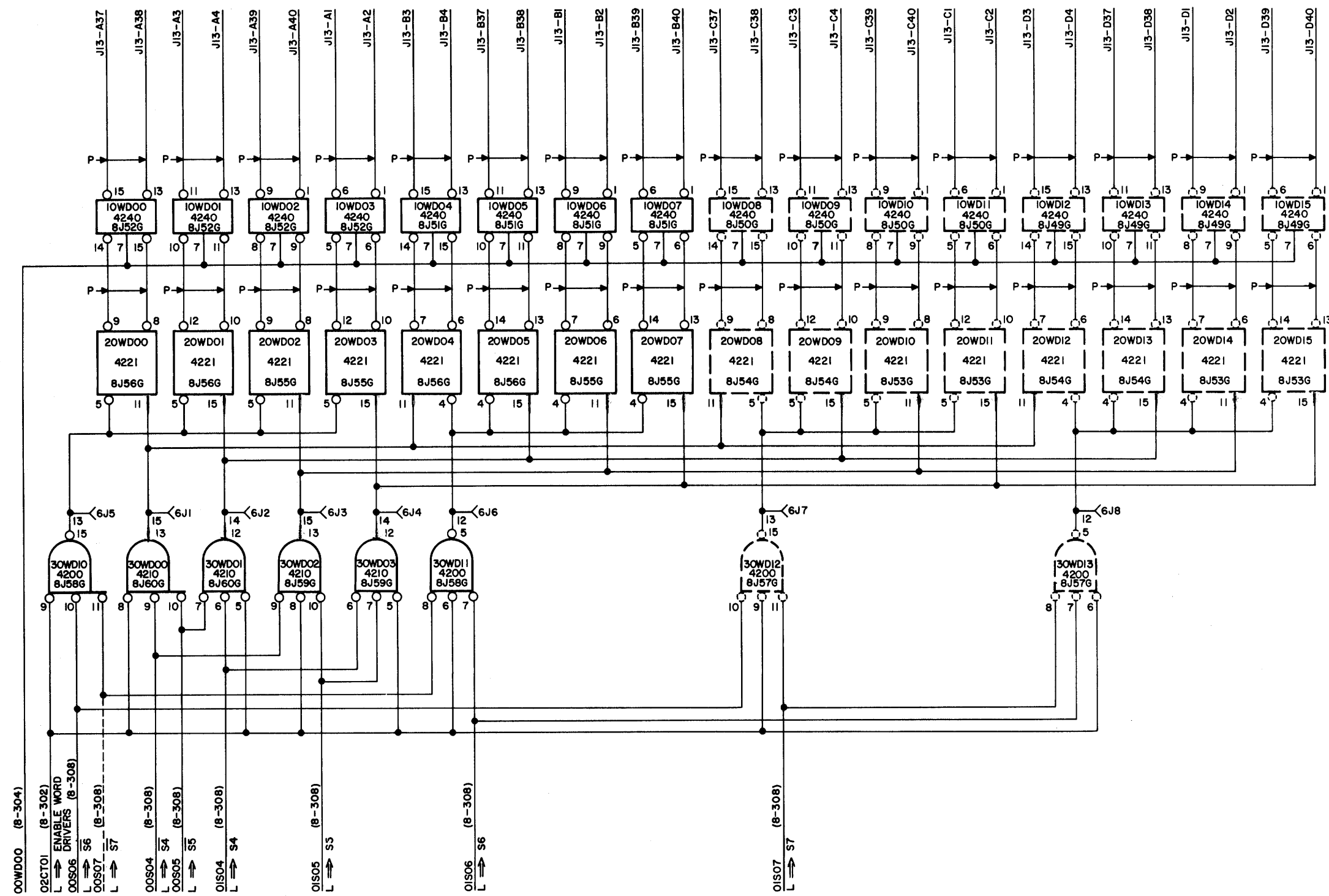
IDENT NO. 7035490-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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UNLESS OTHERWISE SPECIFIED		LAYOUT		DATE	
DIMENSION IN INCHES. TOLERANCE ON		CLASS		A	
2 PLACE DECIMALS ± .005		DRAFTSMAN		R.L. JOHNSON	
3 PLACE DECIMALS ± .0005		CHECKER		B. POPOV	
ANGLES ± .010		ENGINEER		C. HOGENSON	
HOLE DIAMETER TOLERANCE		MATERIAL		FINISH	
.000 THRU .005 ± .0005		NEXT ASSY		EQUIPMENT	
.005 THRU .010 ± .0005		APPLICATION			
.010 & LARGER ± .001		COMMODITY CODE			
THREADS, EXT. CL. 2A, INT. CL. 2B		APPROVAL		[Signature]	
		CODE IDENT NO.		90536	
		SIZE		D	
		DWG NO.		7035490	
		SCALE			
		WEIGHT			
		SHEET		OF	

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	OR DATE APPROVED
A		71703	SEE EIR	BP 11-1-65



NOTE:
1. DASHED CIRCUITS ARE USED WITH 256 WORD CONTROL MEMORY ONLY.

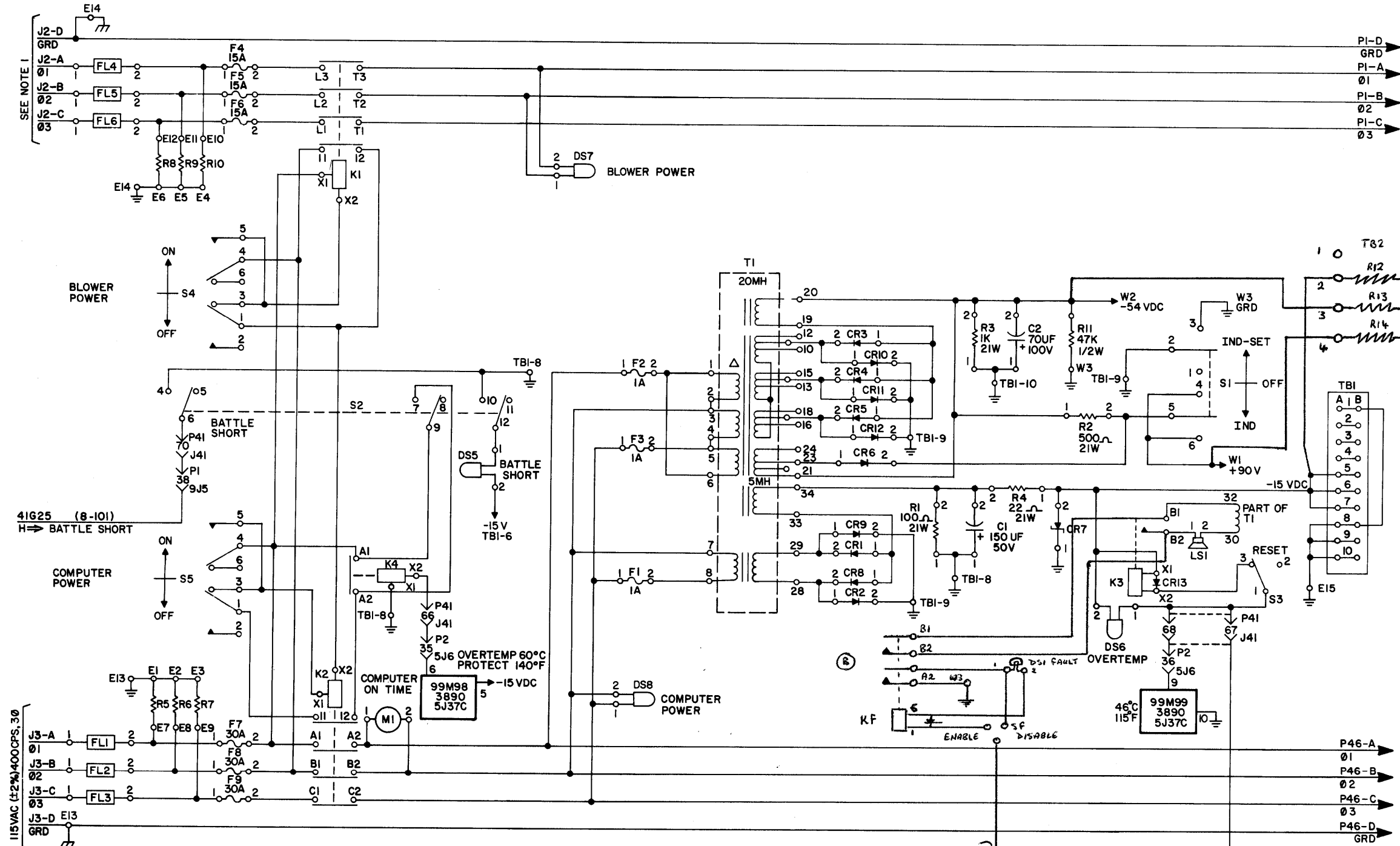
FIGURE 8-328

IDENT NO. 7035491-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:
UNIVAC SYSTEMS DIVISION, SPERRY RAND CORPORATION, 4800 MARKET STREET, PHILADELPHIA, PENNSYLVANIA 19104
OR BY THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON ARE NOT TO BE RELEASED TO ANY OTHER PERSON OR ORGANIZATION WITHOUT THE WRITTEN PERMISSION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNLESS OTHERWISE SPECIFIED			DIMENSION IN INCHES: TOLERANCE ON		LAYOUT	
			2 PLACE DECIMALS	3 PLACE DECIMALS	DATE	
			±	±	CLASS	
			HOLE DIAMETER TOLERANCE		A	
			0 THRU .250	.005	9-1-65	
			.251 THRU .500	.005	DRAFTSMAN	
			.501 & LARGER	+ .010	D. STATT	
			THREADS: EXPT. CL. 2A, INT. CL. 2B		CHECKER	
					B. POPOV	
					ENGINEER	
					C. HOGENSON	
					APPROVAL	
					C.H. 9-15-65	
					DATE	
					9-1-65	
					TITLE	
					FUNCTIONAL SCHEMATIC, WORD DRIVERS, CONTROL MEMORY	
					CODE IDENT NO.	
					90536	
					SIZE	
					D	
					DWG NO.	
					7035491	
					SCALE	
					WEIGHT	
					SHEET 1 OF 1	

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		77473	SEE EIR		4-17-66	<i>[Signature]</i>
B	4777		77428 FAULT ALARM AND TEST POINTS.			



- NOTE:
1. USE A AND B FOR 60CPS 115V 1Ø.
USE A,B, AND C FOR 400CPS 115V 3Ø WITH PROPER BLOWERS.
 2. UNLESS OTHERWISE SPECIFIED ALL RESISTORS ARE 100K 1/4W.
 3. R12, R13, R14 ARE 2K, 18K, 27K 1/2W RESP.

FIGURE 8-329

IDENT NO. 7032888-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:
ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DEALT WITH IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

QTY	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNLESS OTHERWISE SPECIFIED					LAYOUT	
DIMENSION IN INCHES TOLERANCE OF			DATE		CLASS	
2 PLACE DECIMALS ±			5-28-5		A	
3 PLACE DECIMALS ±			DRAFTSMAN		W.C. MEGGERS	
ANGLES ±			CHECKER		B. POPOV	
HOLE DIAMETER TOLERANCE			ENGINEER		H.O. TAM	
0 THRU .250 ±.003			APPROVAL		<i>[Signature]</i>	
.251 THRU .500 ±.005			MATERIAL			
.501 & LARGER ±.010			FINISH			
THREADS: EXT. CL. 2A, INT. CL. 2B			COMMODITY CODE			
NEXT ASSY		EQUIPMENT		APPLICATION		
UNIVAC		FUNCTIONAL SCHEMATIC		PRIMARY POWER DISTRIBUTION		
CODE IDENT NO.	SIZE	DWG NO.		SCALE		
90536	D	7032888		WEIGHT		
SHEET		OF 1				

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED

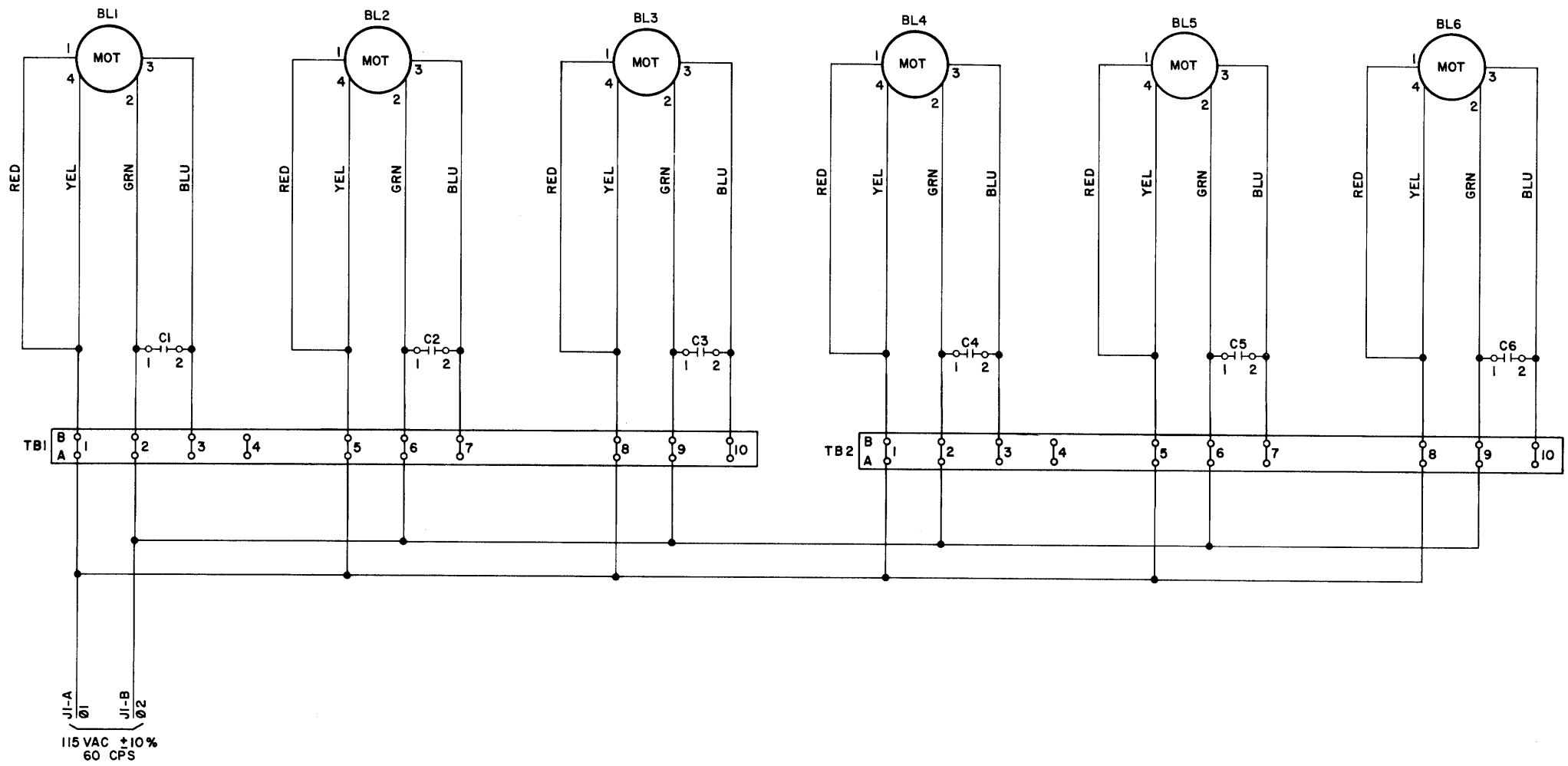


FIGURE 8-330

IDENT NO. 7032889-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT.

ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DISCLOSED IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION.

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNLESS OTHERWISE SPECIFIED			LAYOUT		DATE	CLASS
DIMENSION IN INCHES TOLERANCE ON			DRAFTSMAN		5-26-5	A
2 PLACE DECIMALS ±			W. C. MEGGERS			
3 PLACE DECIMALS ±			CHECKER		B. POPOV	9-15-65
HOLE DIAMETER TOLERANCE			ENGINEER		H.O. TAM	9-15-65
0 THRU .250 +.003			MATERIAL			
.251 THRU .500 +.005			FINISH			
.501 & LARGER +.010			NEXT ASSY			
-.002			EQUIPMENT			
THREADS: EXT. CL. 2A, INT. CL. 2B			APPLICATION			
			COMMODITY CODE			
			APPROVAL			
			UNIVAC			
			DIVISION OF SPERRY RAND CORPORATION			
			TITLE		FUNCTIONAL SCHEMATIC BLOWER POWER 115 VAC, 60 CPS	
			CODE IDENT NO.		90536	
			SIZE		D	
			DWG NO.		7032889	
			SCALE			
			WEIGHT			
			SHEET			
			OF			

REVISIONS						
ZONE	LTR	EIR	DESCRIPTION - FOR DETAILS SEE EIR	CHK	DATE	APPROVED

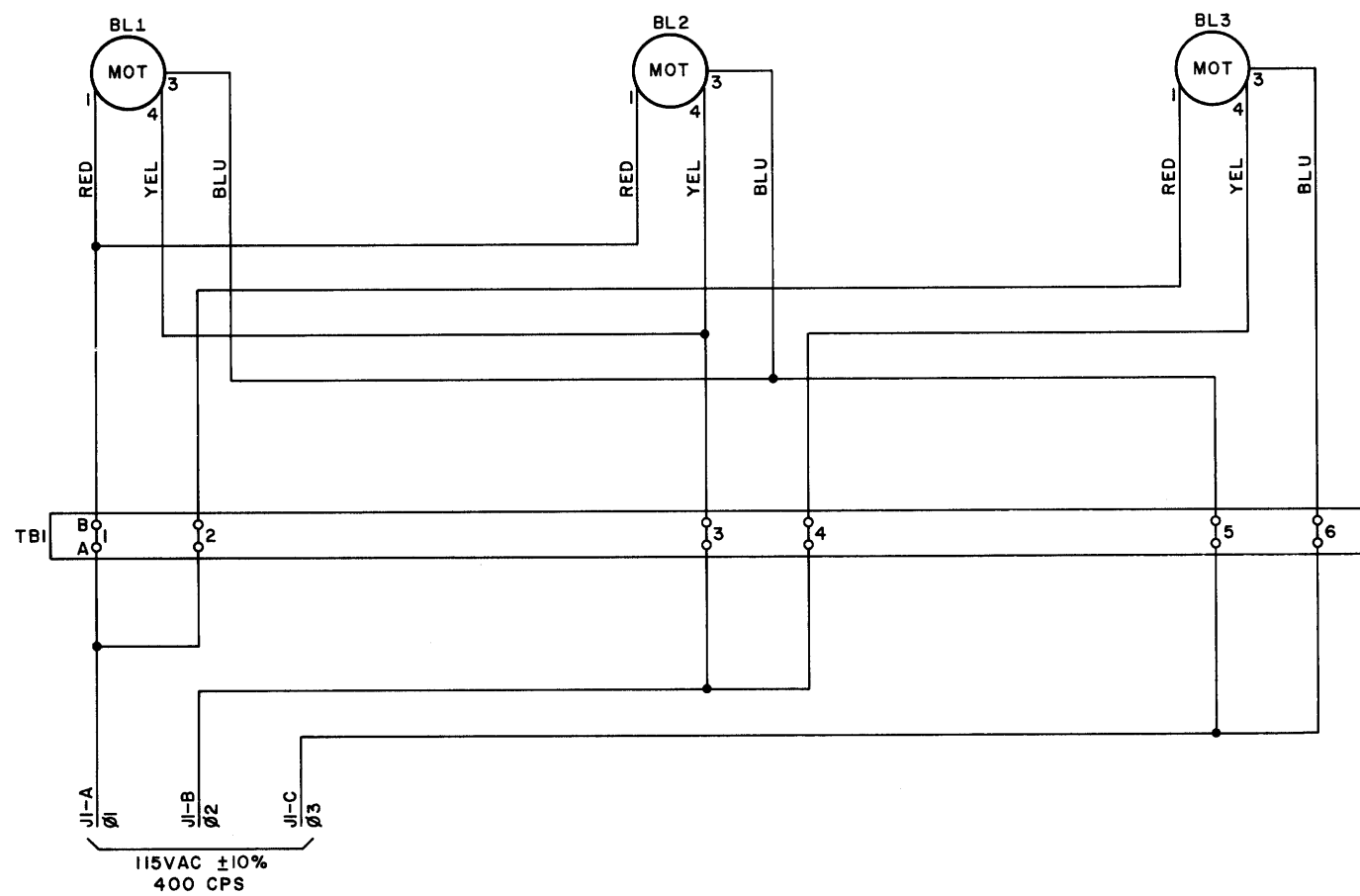
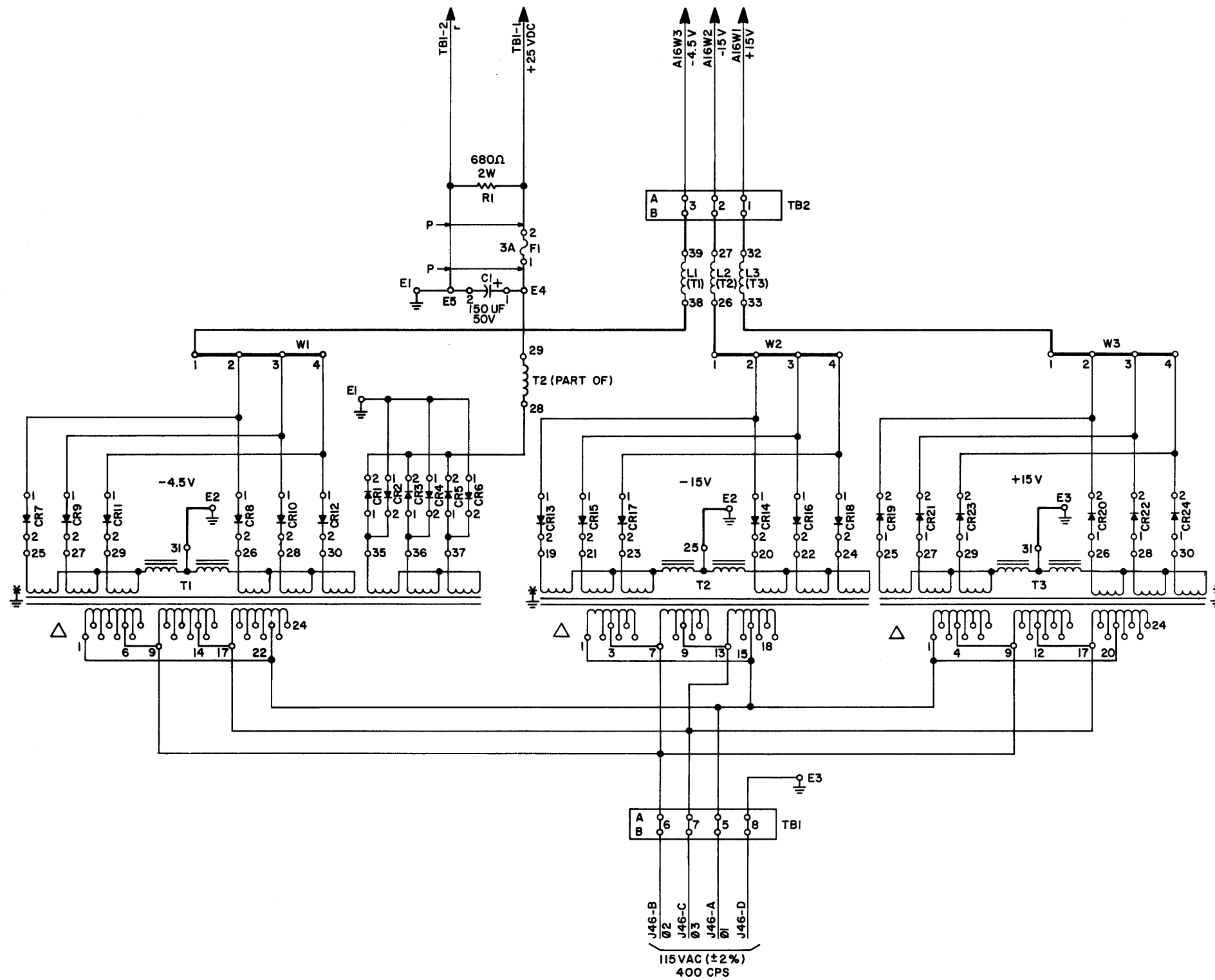


FIGURE 8-330A

IDENT NO. 7046613-00

UNLESS OTHERWISE SPECIFIED		LAYOUT	DATE	CLASS	UNIVAC DIVISION OF SPERRY RAND CORPORATION
DIMENSIONS IN INCHES TOL. ON		DRAFTSMAN	5/4/66	A	
2 PLACE DECIMALS	3 PLACE DECIMALS	R. D. MOSENG			TITLE FUNCTIONAL SCHEMATIC BLOWER POWER 115VAC, 400 CPS
+	+	CHECKER			
-	-	R. C. NEWMAN	5-4-66		
HOLE DIA. TOL.		ENGINEER			SIZE D
0 THRU .250	.251 THRU .500	BOB STOWELL	8-11-66		
+	+	APPROVAL			CODE IDENT. NO.
-.002	-.003	<i>B. W. Phillips</i>			90536
THREADS: EXT. CL 2A, INT. CL 2B		COMMODITY CODE			DWG NO.
					7046613
					SCALE
					WEIGHT
					SHEET 1 OF 1

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		71703	SEE EIR		11-1-65	<i>[Signature]</i>
B		77406	SEE EIR		4-22-66	<i>[Signature]</i>



NOTE:
1. INPUT CONNECTIONS TO PRIMARY TAPS OF T₁, T₂, & T₃, MAY BE VARIED TO ADJUST D.C. VOLTAGE OUTPUTS.

FIGURE 8-331

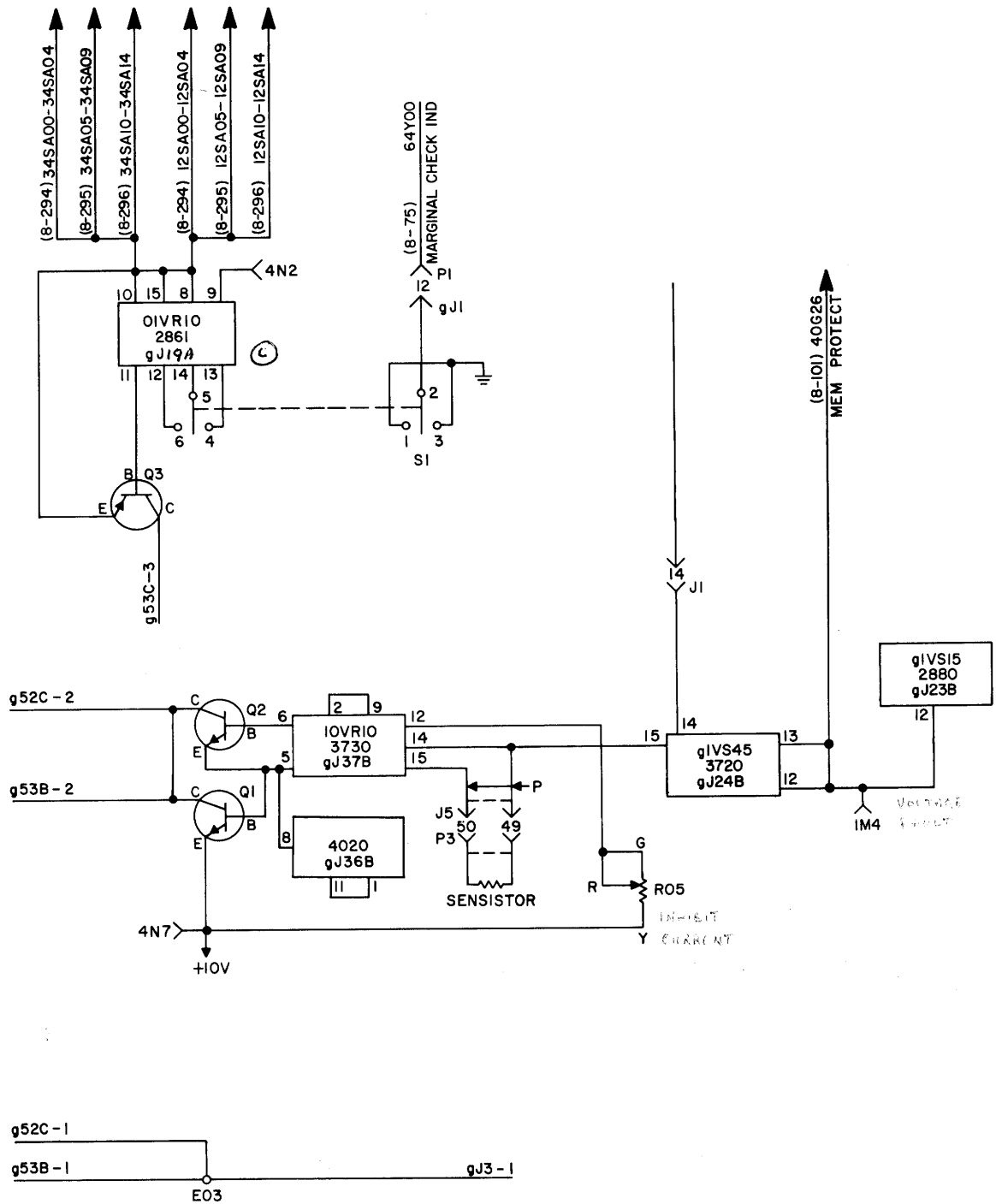
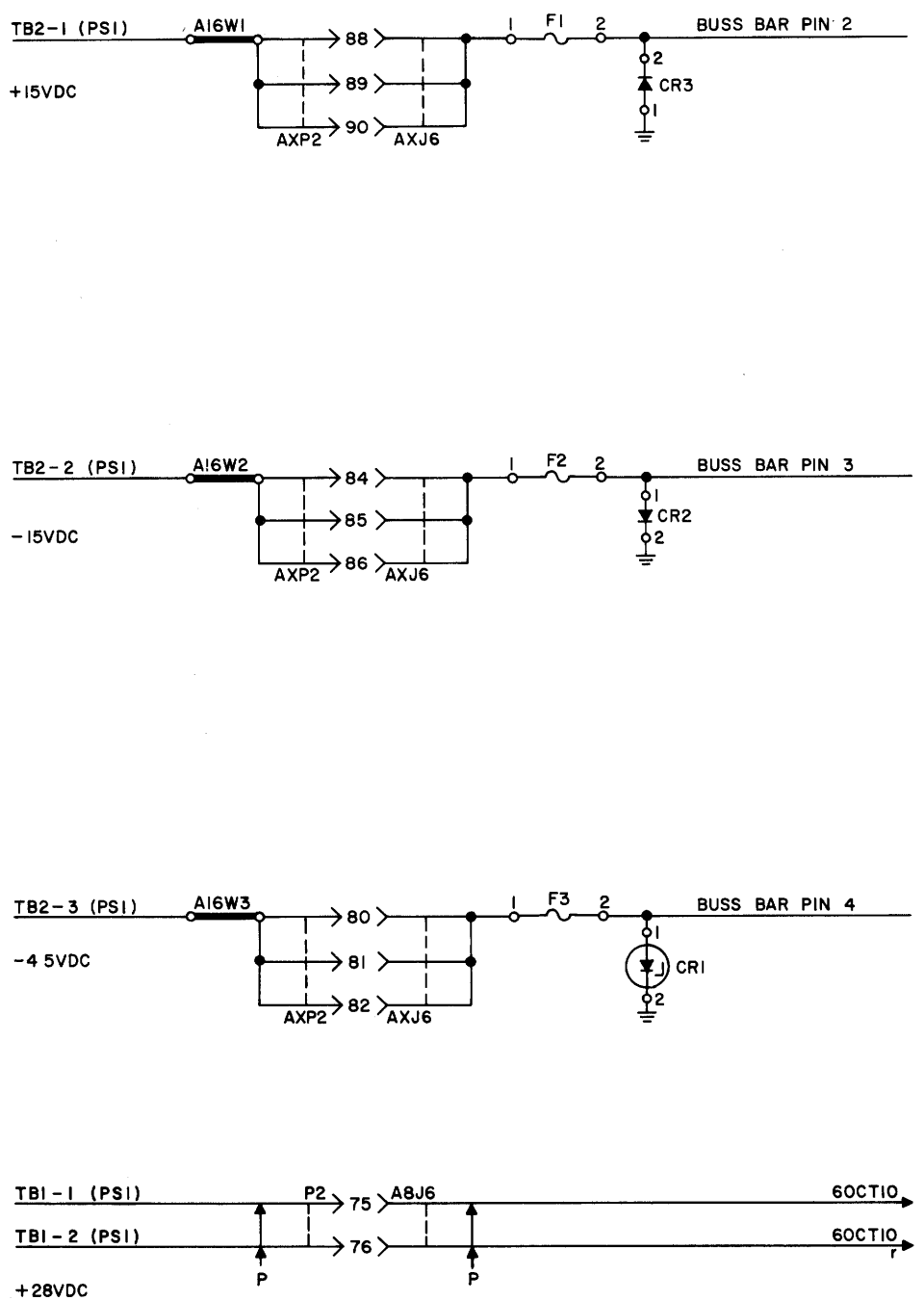
IDENT NO. 7032887-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:
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QTY RECD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNLESS OTHERWISE SPECIFIED			LAYOUT		DATE	
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS = 3 PLACE DECIMALS			DRAFTSMAN		CLASS	
HOLE DIAMETER TOLERANCE = ANGLES =			W. C. MEGGERS		A	
0 THRU .250 +.003 - .002			CHECKER		TITLE	
.251 THRU .500 +.005 - .003			B. POPOV		FUNCTIONAL SCHEMATIC, DC POWER SUPPLY (PSI)	
.501 & LARGER +.010 - .005			ENGINEER		CODE IDENT NO.	
THREADS: EXT. CL. 2A, INT. CL. 2B			H. O. TAM		SIZE	
MATERIAL			APPROVAL		DWG NO.	
NEXT ASSY			<i>[Signature]</i>		90536	
EQUIPMENT			DATE		D	
APPLICATION			9-15-65		7032887	
COMMODITY CODE			SCALE		WEIGHT	
FINISH					SHEET 1 OF 1	

SPACE N.P. 2113

REVISIONS				
SYM	ZONE	EIR	DESCRIPTION	CHK DATE APPROVED
A		71703	SEE EIR	BP 11-1-65
B		77406	SEE EIR	BP 1-22-66
C		4694	FACILITATE ADJUSTMENT OF SENSE BIAS.	BP



- NOTE:
- ON ALL PLUGS ON A15 AND A16 PIN ONE IS RETURNED TO GRD.
 - X TYPICAL FOR ALL CHASSIS A1 - A13
 - A10J4 PINS 2,3,4,15 AND 17 ARE GROUNDED
A11J4 PINS 2,3,4 AND 12 ARE GROUNDED
A12J4 PINS 2,3,4 AND 7 ARE GROUNDED
A13J4 PINS 2,3,4 AND 7 ARE GROUNDED

FIGURE 8-332

IDENT NO. 7032886-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT:

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QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
UNLESS OTHERWISE SPECIFIED			LAYOUT		DATE	
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS ±			3 PLACE DECIMALS ±		CLASS	
HOLE DIAMETER TOLERANCE			ANGLES ±		A	
0 THRU .250 ±.003			.301 & LARGER ±.010		DIVISION OF SPERRY RAND CORPORATION	
.251 THRU .500 ±.005			THREADS: EXT. CL. 2A, INT. CL. 2B		TITLE	
.501 & LARGER ±.010			MATERIAL		FUNCTIONAL SCHEMATIC, DC POWER DISTRIBUTION	
FINISH			NEXT ASSY		EQUIPMENT	
APPLICATION			COMMODITY CODE		FINISH	
UNLESS OTHERWISE SPECIFIED			LAYOUT		DATE	
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS ±			3 PLACE DECIMALS ±		CLASS	
HOLE DIAMETER TOLERANCE			ANGLES ±		A	
0 THRU .250 ±.003			.301 & LARGER ±.010		DIVISION OF SPERRY RAND CORPORATION	
.251 THRU .500 ±.005			THREADS: EXT. CL. 2A, INT. CL. 2B		TITLE	
.501 & LARGER ±.010			MATERIAL		FUNCTIONAL SCHEMATIC, DC POWER DISTRIBUTION	
FINISH			NEXT ASSY		EQUIPMENT	
APPLICATION			COMMODITY CODE		FINISH	

UNIVAC	CLASS	DATE
A	8-13-65	
DRAFTSMAN	CHECKER	ENGINEER
D. STATT	B. POPOV	H. O. TAM
APPROVAL		

CODE IDENT NO.	SIZE	DWG NO.
90536	D	7032886
SCALE	WEIGHT	SHEET 1 OF 1

REVISIONS						
SYM	ZONE	EIR	DESCRIPTION	CHK	DATE	APPROVED
A		71704	SEE EIR		8-11-65	M.A.M.
B		77403	SEE EIR		8-22-66	B.J.P.
C		0166	FALSE CONFLICT MOD			

	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			
G	OXR16 107	OXR15 107	OXR14 107	OXR13 107	OXR12 107	OXR11 106	OXR10 106		OIDD29 326	OIDD28 326	OIDD27 326	OIDD26 325	OIDD25 325	OIDD24 325	OIDD23 324	OIDD22 324																		
F	FF 2000	FF 2000	FF 2000	FF 2000	FF 2000	FF 2000	FF 2000	CA 3180	DR 4260	DR 4260	DR 4260	DR 4260	DR 4260	DR 4260	DR 4260	DR 4260																		
E	OXR09 106	OXR08 106	OXR07 106	OXR06 106	OXR05 105	OXR04 105	OXR03 105		OIDD21 324	OIDD20 323	OIDD19 323	OIDD18 323	OIDD17 322	OIDD16 322	OIDD15 322	3OCT15 303																		
D	FF 2000	FF 2000	FF 2000	FF 2000	FF 2000	FF 2000	FF 2000		DR 4260	DR 4260	DR 4260	DR 4260	DR 4260	DR 4260	DR 4260	DR 4270																		
C	OXR02 105	OXR01 105	OXR00 105	ION20 104 09N20 104	I3N20 104 I2N20 104	I1N20 104 I6N20 104	2XN20 104																											
B	FF 2000	FF 2000	FF 2000	2-3 2013	2-3 2013	2-3 2013	FF 2020	CA 3180																										
A	I2B16 115	I2B14 115	I3B12 115 I3B13 115 I3B14 115 I3B15 115 I3B16 115	I4B15 115 I4B16 115	I4B13 115 I4B14 115	I4B12 115 I2B15 115 73C83 84 73C84 84	16B16 115	OOSA29 326	OOSA28 326	OOSA27 326	OOSA26 325	OOSA25 325	OOSA24 325	OOSA23 324	OOSA22 324	OOSA21 324	OOSA20 323	OOSA19 323	OOSA18 323	OOSA17 322	OOSA16 322	OOSA15 322	OOSA14 321	OOSA13 321	OOSA12 321	OOSA11 320	OOSA10 320	OOSA09 320	OOSA08 319	OOSA07 319				
	3-3-4 2920	3-3-4 2920	1-1-1-1-1 2070	22-23 2050	22-23 2050	22-23 2050	2-3 2013	3-3-4 2920	SA 4330	SA 4330	SA 4330	SA 4330	SA 4330	SA 4330	SA 4330	SA 4330	SA 4330	SA 4330	SA 4330	SA 4330	SA 4330	SA 4330	SA 4330	SA 4330	SA 4330	SA 4330	SA 4330	SA 4330	SA 4330	SA 4330	SA 4330			
	I2B12 115	I7B12 115	I1B12 114 I1B13 114 I1B14 114 I1B15 114 I1B16 114	I0B15 114 I0B16 114	I0B13 114 I0B14 114	I0B12 114 I2B13 115	16B15 115	OXZ29 315	OXZ28 315	OXZ27 315	OXZ26 315	OXZ25 315	OXZ24 315	OXZ23 314	OXZ22 314	OXZ21 314	OXZ20 314	OXZ19 314	OXZ18 314	OXZ17 313	OXZ16 313	OXZ15 313	OXZ14 313	OXZ13 313	OXZ12 313	OXZ11 312	OXZ10 312	OXZ09 312	OXZ08 312	OXZ07 312				
	3-3-4 2920	3-3-4 2920	1-1-1-1-1 2070	22-23 2050	22-23 2050	22-23 2050	3-3-4 2920	CA 3180	FF 2000	FF 2000	FF 2000	FF 2000	FF 2000	FF 2000	FF 2000	FF 2000	FF 2000	FF 2000	FF 2000	FF 2000	FF 2000	FF 2000	FF 2000	FF 2000	FF 2000	FF 2000	FF 2000	FF 2000	FF 2000	FF 2000	FF 2000			
	90Z25 315	90Z26 315	90Z27 315	90Z28 315	90Z29 315	90Z20 311	16B14 115	21B12 114 19B12 115 12J12 75	17B06 113	12B10 113	14B11 113	14B09 113 14B10 113	14B07 113 14B08 113	14B06 113 12B07 113	04Z12 316	04Z10 316		04Z07 316	04Z05 316	10N40 309 15N40 309	13N40 309 18N40 309	12N40 309 17N40 309	17B00 112	12B04 112	14B05 112	14B03 112 14B04 112	14B01 112 14B02 112	14B00 112 12B01 112	04Z02 316	04Z00 316				
	IND 3880	IND 3880	IND 3880	IND 3880	IND 3880	IND 3880	3-3-4 2920	2-3-3 2990	3-3-4 2920	3-3-4 2920	3-3-4 2920	3-3-4 2920	22-23 2050	22-23 2050	22-23 2050	22222 2040	22222 2040		22222 2040	22222 2040	2-3 2013	2-3 2013	2-3 2013	3-3-4 2920	3-3-4 2920	3-3-4 2920	22-23 2050	22-23 2050	22-23 2050	22222 2040	22222 2040			
	90R12 107	90R07 106	90R02 105	90R15 105	90B10 110	90B05 109	90B00 109	20B12 114	12B08 113	12B06 113	12B09 113	10B10 113	10B08 113	10B06 113	11B07 113	13B06 113	----- 11B06 113	----- 21B06 113	09B02 297	09N40 309	08N40 309	14N40 309	12B02 112	12B00 112	12B03 112	10B04 112	10B02 112	10B00 112	13B00 112	11B01 112				
	90R13 107	90R08 106	90R03 105	90B16 111	90B11 110	90B06 109	90B01 109	-----			12B11 113	10B11 113	10B09 113	10B07 113	11B08 113	13B07 113	11B06 113	21B06 113	07B02 297	11N40 309	16N40 309	10N30 305	12B05 112	10B05 112	10B03 112	10B01 112	13B01 112	13B02 112	13B03 112	13B04 112	11B02 112			
	90R14 107	90R09 106	90R04 105	-----	90B12 110	90B07 109	90B02 109								11B09 113	13B08 113	11B06 113	21B06 113																
	90R15 107	90R10 106	90R05 105	90R00 105	90B13 110	90B08 109	90B03 109								11B10 113	13B09 113	----- 11B11 113	----- 13B10 113																
	90R16 107	90R11 106	90R06 105	90R01 105	90B14 110	90B09 109	90B04 109								11B11 113	13B10 113	----- 11B11 113	----- 13B10 113																
	CA 3180	IND 3880	IND 3880	IND 3880	IND 3880	IND 3880	IND 3880	5-4 2030	3-3-4 2920	3-3-4 2920	22-23 2050	22-23 2050	22-23 2050	22-23 2050	1-1-1-1 2070	1-1-1-1 2070	1-1-1-1 2070	3-6 2080	2-3 2013	2-3 2013	2-3 2013	2-3 2013	3-3-4 2920	3-3-4 2920	22-23 2050	22-23 2050	22-23 2050	22-23 2050	1-1-1-1 2070	1-1-1-1 2070				

CONTROL
MEMORY
STACK

FIGURE 8-341

QTY	REQD	FIND	REF DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	
LIST OF MATERIAL								
				CLASS	UNIVAC <small>DIVISION OF SPERRY RAND CORPORATION</small>			
				DRAFTSMAN	R. R. PFUTZENREUTER 628-65			
				CHECKER	D. C. WHEELER 8-13-65			
				ENGINEER	N. N. MACORIE 8-13-65			
				APPROVAL	8-13-65			
IDENT NO. 7032765 - 00		DATE		TITLE		DWG NO.		
				CHASSIS MAP, CHASSIS 8 PART I		90536 D 7032765		
				SCALE		SHEET 1 OF 2		

BB	LTR	SHEET	INDEX
2	1	SH	INDEX

IDENT NO. 7032765 - 00

UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES TOLERANCE ON
2 PLACES 3 PLACES
DECIMALS DECIMALS ANGLES
HOLE DIAMETER TOLERANCE
0 THRU .250 .003
.251 THRU .500 .005
.501 & LARGER .010
THREADS: 68° F. L. INT. CL. 2B
MATERIAL
FINISH

APPROVAL

DATE

CLASS

DRAFTSMAN

CHECKER

ENGINEER

APPROVAL

REVISIONS			
SYM	ZONE	EIR	DESCRIPTION
A	E13313		13917K2 INSTRUCTION CORRECTION
B	4270		HOLD TIMEOUT CORRECTION
C	0209		6421E76 CONFLICT CHANGE

	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	
G																																
F																																
E					50Z15 181	50Z16 181	50Z17 181	50Z18 181	50Z19 181	50Z20 181	50Z21 181	50Z22 182	50Z23 182	50Z24 182	50Z25 182	50Z26 182	50Z27 182	50Z28 182	50Z29 182	50Z30 182	19N00 179	26N31 116	25N31 116			29N00 179			28N46 154	59G34 87	59G36 87	
D					60Z15 167	60Z16 167	60Z17 167	60Z18 168	60Z19 168	60Z20 168	60Z21 168	60Z22 168	60Z23 168	60Z24 169	60Z25 169	60Z26 169	60Z27 169	60Z28 169	60Z29 169		17N44 159	15N44 159	17N43 159	13N43 159	18N44 159	14N44 159	16N43 159	16B02 155	28N47 158	25N47 158		
C		70Z15 162	70Z16 162	70Z17 162	70Z18 163	70Z19 163	70Z20 163	70Z21 163	70Z22 163	70Z23 163	70Z24 164	70Z25 164	70Z26 164	70Z27 164	70Z28 164	70Z29 164					59G35 87	20N46 154	00J01 73	18N46 154	16B12 156	16B10 156	16B08 155	16B06 155	16B04 155	16B03 155	16B01 155	
B		22N31 116	40G26 101		12N24 123	OXU16 127	OXU14 126	OXU12 126	OXU10 125	OXU08 125	OXU06 125	OXU04 124	OXU02 124	OXU00 124	13N24 123	23N24 123	22N24 123	15N24 123	18B16 156	18B14 156					IXP15 119	IXP13 119	65N09 37				73C03 81	
A		2-3-3 2990	5-4 2030			2-3 2013	FF 2900	FF 2900	FF 2900	FF 2900	FF 2900	FF 2900	FF 2900	FF 2900	FF 2900	FF 2900	FF 2900	2-3 2013	2-3-3 2920	22-23 2050	1-1-1-1-1 2070	2-3 2013			FF 2900	FF 2900	2-3 2013	2-3 2013	2-3 2013	2-3 2013	2-3 2013	
									20N31 116	21N31 116	22N43 159	40G13 101	4XG25 101	4XG20 101	40G21 101	40G22 101		40G23 101	40G24 101													
									40G10 101	40G08 101	40G05 101	40G14 101	40G09 101	40G07 101	40G15 101	40G16 101																
									40G11 101	40G12 101																						
									1-1-1-1-1 2070	3-3-2 2060	3-3-2 2060	EF 3640	FF 2020	FF 2020	DL 2120	DLY 2351		DLY 2351														

NOTE
1. \diamond GROUP PRIORITY SELECTED BY INSTALLING 2030 CARD IN ONE OF FOUR POSSIBLE LOCATIONS.

FIGURE 8-343

QTY REQD	FIND	REF DES	CODE IDENT	DWG SIZE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
LIST OF MATERIAL						
			CLASS		UNIVAC	
			DATE		2-24-67	
			DRAFTSMAN		G. HUBER	
			CHECKER		D. ERICKSON	
			ENGINEER		D. HAIR	
			APPROVAT		<i>[Signature]</i>	
			CODE IDENT NO.		90536	
			SIZE		D	
			DWG NO.		7075299	
			SCALE			
			WEIGHT			
			SHEET		1 OF 2	

LTR	SHEET
21	SH INDEX

IDENT NO. 7075299-00

THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION OF THE UNIVAC DIVISION OF SPERRY RAND CORPORATION AND IS FURNISHED PURSUANT TO THE FOLLOWING INSTRUMENT

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UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES. TOLERANCE ON 2 PLACE DECIMALS	ANGLES \pm
HOLE DIAMETER TOLERANCE	
0 THRU .250	.251 THRU .500
+.003	+.005
-.002	-.005
THREADS: EXT. CL 2A, INT. CL 2B	
MATERIAL	
FINISH	

LAYOUT	DATE	CLASS
DRAFTSMAN		A
G. HUBER		
CHECKER		
D. ERICKSON		
ENGINEER		
D. HAIR		
APPROVAT		
<i>[Signature]</i>		

TITLE		UNIVAC	
CHASSIS MAP, CHASSIS 9 PART I		DIVISION OF SPERRY RAND CORPORATION	
CODE IDENT NO.	SIZE	DWG NO.	
90536	D	7075299	
SCALE	WEIGHT	SHEET	1 OF 2

REVISIONS				DR	DATE	APPROVED
SYM	ZONE	EIR	DESCRIPTION			
A		71704	SEE EIR			<i>[Signature]</i>

	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			
D	20YD02 285 IOYD02 285	20YD04 285 IOYD04 285	20YD06 285 IOYD06 285	IOYG00 285 IOYG02 285 IOYG01 285 IOYG03 285	IOYG04 285 IOYG06 285 IOYG05 285 IOYG07 285	IOXG00 288 IOXG02 288 IOXG01 288 IOXG03 288	IOXG04 288 IOXG06 288 IOXG05 288 IOXG07 288	20XD01 288 IOXD01 288	20XD03 288 IOXD03 288	20XD05 288 IOXD05 288	20XD07 288 IOXD07 288	IOXROO 287	20XWOO 287	IOXMOO 287 20XMOO 287		30IS03 259 30IS04 259	g5S00 274,278	g5S01 274,278	g5S02 274,278	g5S03 275,279	g5S04 275,279	g5S05 275,279	g5S06 275,279	20YW10 284 20XW10 287	20YW20 284 20XW20 287					
	SA 3660	SA 3660	SA 3660	SEL 3680	SEL 3680	SEL 3680	SEL 3680	SA 3660	SA 3660	SA 3660	SA 3660	DR 3690	DR 3690	IP 3611	CA 3180	DR 2013	22222 2040	22222 2040	22222 2040	22222 2040	22222 2040	22222 2040	22222 2040	22222 2040	2630	SA 3660				
C	20YD01 285 IOYD01 285	20YD03 285 IOYD03 285	20YD05 285 IOYD05 285	20YD07 285 IOYD07 285	OOSM06 282 OISM06 282	OOSM07 282 OISM07 282	OOSM08 282 OISM08 282	20XD00 288 IOXD00 288	20XD02 288 IOXD02 288	20XD04 288 IOXD04 288	20XD06 288 IOXD06 288	OOSM09 283 OISM09 283	OOSM10 283 OISM10 283	OOSM11 283 OISM11 283		30IS01 259 30IS02 259	IOID09 292	I2IS09 292 I1IS11 293 I2IS10 293 I1IS10 293 I2IS11 293 I1IS09 292	IOID10 293	I4IS09 292 I3IS11 293 I4IS10 293 I3IS10 293 I4IS11 293 I3IS09 292	IOID11 293	IOID12 293	I2IS12 293 I1IS14 293 I2IS13 293 I1IS13 293 I2IS14 293 I1IS12 293	IOID13 293	I4IS12 293 I3IS14 293 I4IS13 293 I3IS13 293 I4IS14 293 I3IS12 293	IOID14 293				
	SA 3660	SA 3660	SA 3660	SA 3660	DR 3621	DR 3621	DR 3621	SA 3660	SA 3660	SA 3660	SA 3660	DR 3621	DR 3621	DR 3621	CA 3180	DR 2013	DR 3690	DR 3700	DR 3690	DR 3700	DR 3690	DR 3690	DR 3700	DR 3690	DR 3700	DR 3700	DR 3690	DR 3690		
B	IOYS02 284 20YS02 284	IOYS03 284 20YS03 284	IOYS04 284 20YS04 284	OOSM12 283 OISM12 283	OOSM13 283 OISM13 283	IOXSO1 287 20XS01 287	IOXSO2 287 20XS02 287	IOXSO3 287 20XS03 287	IOXSO4 287 20XS04 287		IOVR10 332	IOIPOO 291	IOID00 291	I2IS00 291 I1IS02 291 I2IS01 291 I1IS01 291 I2IS02 291 I1IS00 291	IOID01 291	I4IS00 291 I3IS02 291 I4IS01 291 I3IS01 291 I4IS02 291 I3IS00 291	IOID02 291	IOID03 291	I2IS03 291 I1IS05 292 I2IS04 291 I1IS04 291 I2IS05 292 I1IS03 291	IOID04 291	I4IS03 291 I3IS05 292 I4IS04 291 I3IS04 291 I4IS05 292 I3IS03 291	IOID05 292	IOID06 292	I2IS06 292 I1IS08 292 I2IS07 292 I1IS07 292 I2IS08 292 I1IS06 292	IOID07 292	I4IS06 292 I3IS08 292 I4IS07 292 I3IS07 292 I4IS08 292 I3IS06 292	IOID08 292			
	SW 3670	SW 3670	SW 3670	DR 3621	DR 3621	SW 3670	SW 3670	SW 3670	SW 3670	CA 4020	+IOV REG 3730	IP 3611	DR 3690	DR 3700	DR 3690	DR 3700	DR 3690	DR 3690	DR 3700	DR 3690	DR 3700	DR 3690	DR 3690	DR 3700	DR 3690	DR 3700	DR 3700	DR 3690	DR 3690	
A																														

FIGURE 8-346

QTY	FIND	REF	DES	CODE	DWG	PART OR	NOMENCLATURE OR DESCRIPTION
REQD				IDENT	SIZE	IDENTIFYING NO.	
LIST OF MATERIAL							
				UNLESS OTHERWISE SPECIFIED		LAYOUT	
				DIMENSION IN INCHES. TOLERANCE ON		DATE	
				2 PLACE DECIMALS		CLASS	
				3 PLACE DECIMALS		A	
				HOLE DIAMETER TOLERANCE		UNIVAC	
				0 THRU .750 +.003		DIVISION OF SPERRY RAND CORPORATION	
				.751 THRU .999 +.010		TITLE	
				1.000 & LARGER +.015		CHASSIS MAP, MAIN MEMORY 10,12 PART 2	
				THREADS EXCEPT AS INT. CL. 2B		CODE IDENT NO.	
				MATERIAL		90536	
				FINISH		SIZE	
						D	
						DWG NO.	
						7032768	
						SHEET 2 OF 2	

IDENT NO. 7032768-00

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ON THE UNDERSTANDING THAT THIS DOCUMENT AND THE INFORMATION THEREON MAY NOT BE DEALT WITH IN ANY MANNER EXCEPT FOR THE PURPOSES OF THAT INSTRUMENT OR AS OTHERWISE PERMITTED IN WRITING BY THE UNIVAC DIVISION OF SPERRY RAND CORPORATION BY THE UNIVAC

UNLESS OTHERWISE SPECIFIED	LAYOUT	DATE	CLASS
DIMENSION IN INCHES. TOLERANCE ON	DRAFTSMAN	6-30-65	A
2 PLACE DECIMALS	D.R. MUHS		
3 PLACE DECIMALS	CHECKER	8-17-65	
HOLE DIAMETER TOLERANCE	D.C. WHEELER		
0 THRU .750 +.003	ENGINEER	8-17-65	
.751 THRU .999 +.010	R. W. SVOBODNY		
1.000 & LARGER +.015			
THREADS EXCEPT AS INT. CL. 2B			
MATERIAL			
FINISH			

REVISIONS			
SYM	ZONE	EIR	DESCRIPTION
A		71704	SEE EIR
B	4694		FACILITATE ADJUSTMENT OF SENSE BIAS

	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		
D	9gZ15 265, 271	9gZ20 266, 272	9gZ25 267, 273	9gS07 276, 280	9gS12 277, 281	gXS08 276, 280	gXS10 277, 281	gXS12 277, 281	gXMT00 259	g6MTO0 260	30MT23 261	gOMT01 261	30MT02 261	30MT03 261	38MT01 259	gOMT14 261	33MT02 259	33MT03 259	14S12 283	34MT01 259	31MT13 259	31MT02 259		IOYR00 284	20YW00 284	IOYMO0 284		
	9gZ16 265, 271	9gZ21 266, 272	9gZ26 267, 273	9gS08 276, 280	9gS13 277, 281	gXS07 276, 280	gXS09 276, 280	gXS11 277, 281	gXS13 277, 281	g6MTO1 260				30MT07 261	gOMT04 261			gOMT05 261	gOMT15 261	14S13 283	34MT02 259	32MT13 259	32MT02 259			20YMO0 284		
	9gZ17 265, 271	9gZ22 266, 272	9gZ27 267, 273	9gS09 276, 280																30MT13 261		33MT11 259						
	9gZ18 265, 271	9gZ23 266, 272	9gZ28 267, 273	9gS10 277, 281																								
	9gZ19 265, 271	9gZ24 266, 272	9gZ29 267, 273	9gS11 277, 281																								
	IND 3880	IND 3880	IND 3880	IND 3880	IND 3880	FF 2900	FF 2900	FF 2900	FF 2900	DR 2013	2-3-3 2990	DY 2120	DY 3710	EF 3640	DR 2013	DR 2013	DR 2013	DR 2013	DR 2013	DR 2013	DR 2013	DR 2013	DR 2013	DR 2013	DR 2013	IP 3611		
C	gXZ25 267, 273	gXZ26 267, 273	gXZ27 267, 273	gXZ28 267, 273	gXZ29 267, 273	I2SA00 294	I2SA01 294	I2SA02 294	I2SA03 294	I2SA04 294	I2SA05 295	I2SA06 295	I2SA07 295	I2SA08 295	I2SA09 295	I2SA10 296	I2SA11 296	I2SA12 296	I2SA13 296	I2SA14 296		31MT01 259	OOSMOO 282	OOSMO1 282	OOSMO2 282	20YDOO 285		
																							32MT01 259	OISMOO 282	OISMO1 282	OISMO2 282	IOYDOO 285	
	FF 2000	FF 2000	FF 2000	FF 2000	FF 2000	SA 4460*	SA 4460*	SA 4460*	SA 4460*	SA 4460*	SA 4460*	SA 4460*	SA 4460*	SA 4460*	SA 4460*	SA 4460*	SA 4460*	SA 4460*	SA 4460*	SA 4460*	SA 4460*	CA 3180	DR 3621	DR 3621	DR 3621	DR 3621	SA 3660	
B	gXZ20 266, 272	gXZ21 266, 272	gXZ22 266, 272	gXZ23 266, 272	gXZ24 266, 272	34SA00 294	34SA01 294	34SA02 294	34SA03 294	34SA04 294	34SA05 295	34SA06 295	34SA07 295	34SA08 295	34SA09 295	34SA10 296	34SA11 296	34SA12 296	34SA13 296	34SA14 296			gIVS15 332	OIVS45 332	gIMT04 259	IOYSOI 284		
																										g4MT03 259	20YSOI 284	
	FF 2000	FF 2000	FF 2000	FF 2000	FF 2000	SA 4460*	SA 4460*	SA 4460*	SA 4460*	SA 4460*	SA 4460*	SA 4460*	SA 4460*	SA 4460*	SA 4460*	SA 4460*	SA 4460*	SA 4460*	SA 4460*	SA 4460*	SA 4460*	CA 3180		±15V SENSOR 2880	-4.5V SENSOR 3720	g2MT04 259	g3MT04 259	SW 3670
A	gXZ15 265, 271	gXZ16 265, 271	gXZ17 265, 271	gXZ18 265, 271	gXZ19 265, 271	g7MTO0 260	g5MTO0 260																					
						g7MTO1 260	g6MTO2 260																					
	FF 2000	FF 2000	FF 2000	FF 2000	FF 2000	DR 2013	DR 2013	CA 3180																				

NOTE:
1. * 3751 CARDS ARE USED
ON SERIAL 1 THRU 9.

FIGURE 8-347

QTY	FINI	REF	DES	CODE	DWG	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	
LIST OF MATERIAL								
				CLASS	UNIVAC			
				DATE	6-28-65			
				TITLE	CHASSIS MAP, MAIN MEMORY 11, 13 PART I			
				CHECKER	D.C. WHEELER			
				ENGINEER	R.W. SVOBODNY			
				DATE	8-17-65			
				DATE	8-17-65			
				CODE IDENT NO.	SIZE	DWG NO.		
				90536	D	7032767		
				SCALE	WEIGHT	SHEET 1 OF 2		

IDENT NO. 7032767-00

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