

Item	Reference	Cat.No.	Remarks
SELECTED lamp	SWD	10844	No switch incorporated
Lens cap, yellow	-	10842	For SELECTED lamp
OFF switch/lamp	SWA	10838	
Lens cap, red	-	10839	For OFF lamp
ON switch/lamp	SWB	10838	
Lens cap, green	-	10840	For ON lamp
RESET switch	SWC	10838	Lamp section not used
Lens cap, white	-	11011	For RESET switch
Bulb, 6V - 0.2A	-	11388	Used in SELECTED, ON and OFF lamps
ENGINEER'S CONTROL PANEL			
Terminal Block	TBA, B, C, D	11860	
Relay, Varley 4CO - 6V -	RLA, B,	12218	
ON LINE/TEST/PULSE switch	SWE	9296	3 posn, key switch, non-locking in PULSE position.
OSC.STOP/CYCLE STOP/ CYCLE REPEAT switch	SWF	9416	3 posn. key switch, locking in all positions.
Key handle insert, black	-	7664)	For SWE and SWF
ENTRY PANEL			
Fuse, 10A	FS1	2931	
Fuseholder, 10A	-	5323	
Plug, 3 way, 20A	PLD	12591	
MAIN ASSY			
Power Unit	PU1	14343	PS461-6V, 6A stabilized
Power Unit	PU2	14057	PS453-6V, 2A stabilized
R.F. filter unit	FL1	11244	2.5A single phase

Board Type	Board Cat. No.	Board Position	L.S.A. AREA REFERENCE														Additional Components			
			1A	1B	2A	2B	3A	3B	4A	4B	5A	5B	6A	6B	7A	7B	G Area Pad Location	Value	To %	Cat. No.
DPS194	I(2/4)B25728	B1	—	01	01	01	01	01	01	01	15	15	06	—	46	49	e/25, b/23, c/24	Transistor	—	9727 (PS204)
																	30/34	Crystal	—	14663
																	22/23	820μu	5	11280
																	27/28	220μu	5	9204
																	29/30, 31/32, 33/34	1K	5	9159
																	11/7	47μu	5	6396
																	24/5B11	10μF	20	9137
																	14/20	.100μF	20	12271
																	21/17, 17/13	0.68μF	5	9430
DP195	I(2/4)B25729	B3	—	15	12	03	12	03	12	03	12	03	12	03	12	03	23/27, 33/29	0.68μF	5	9430
DP196	I(2/4)B25730	B4	—	—	—	03	06	—	01	03	01	15	—	—	—	—				
DP197	I(2/4)B25731	B5	—	02	11	02	11	02	06	03	06	03	01	03	01	03	1/2, 3/4, 5/6, 11/12, 13/14, 25/26	47μu	5	9219
DP198	I(2/4)B25732	B6	—	06	06	06	06	06	05	06	01	06	06	06	06	06	—			
DP199	I(2/4)B25733	B8	02	—	06	06	03	05	03	01	11	12	02	06	01	15	21/22, 23/24, 25/26	47μu	5	9219
DP200	I(2/4)B25734	B9	03	02	03	06	05	02	06	03	06	02	06	15	06	02				
DP201	I(2/4)B25735	B10	46	46	01	01	06	05	02	02	02	15	02	15	—	15	1/2, 3/4	220μu	5	9204
DP202	I(2/4)B25736	B12-B17	06	06	06	03	01	05	06	05	06	05	01	01	11	12				
DP203	I(2/4)B25737	B18	15	06	15	02	15	05	15	06	15	05	15	02	15	—	15/20, 27/32	1k	5	9159
DP204	I(2/4)B25738	B20	01	01	02	01	03	01	03	12	01	12	15	12	15	01				
DP205	I(2/4)B25739	B21	01	46	01	46	01	46	01	46	01	46	01	46	—	46	3/4, 5/6, 7/8, 17/18, 23/24, 29/30, 31/32	220μu	5	9204
DP206	I(2/4)B25740	B22	—	—	06	06	06	06	06	02	06	02	06	02	06	01	12			
DP207	I(2/4)B25741	B24	01	01	02	06	01	06	11	06	11	05	02	06	11	06	17/18, 19/20, 21/22, 23/24, 25/26, 27/28, 29/30, 31/32, 33/34	47μu	5	9219
DP208	I(2/4)B25742	B25	02	06	05	02	06	05	01	06	02	11	02	05	15	15	19/20, 21/22, 23/24	47μu	5	9219
DP209	I(2/4)B25743	A1	03	01	01	01	01	01	02	06	01	02	15	06	06	06	1/2, 3/4, 5/6, 7/8, 9/10, 11/12, 13/14, 15/16	1k	5	9159
DP210	I(2/4)B25744	A4	46	46	46	46	15	46	15	46	15	46	01	46	01	15	1/2, 3/4, 5/6, 7/8, 11/12, 17/18, 23/24, 29/30	220μu	5	9204
DP211	I(2/4)B25745	A5	—	01	15	15	15	15	01	02	01	03	03	03	01	01				
DP212	I(2/4)B25746	A6	03	—	03	01	03	02	03	01	03	01	02	01	01	—				
DP213	I(2/4)B25747	A7-A8	02	03	01	03	02	03	02	03	01	03	02	03	—	03				
DP214	I(2/4)B25748	A9	46	46	46	46	46	46	46	46	46	46	46	46	46	46	1/2, 3/4, 5/6, 7/8, 9/10, 11/12, 13/14, 17/18, 21/22, 23/24, 25/26, 27/28, 29/30, 31/32	220μu	5	9204
DP215	I(2/4)B25749	A11,A12, A14,A17, A19,A20	46	46	46	46	46	46	46	46	46	46	46	46	46	46	1/2, 3/4, 7/8, 9/10, 11/12, 5/16, 17/18, 23/24, 25/26, 29/30, 31/32, 5/6	220μu	5	9204
DP216	I(2/4)B25750	A13	01	01	01	01	01	03	01	01	03	01	01	—	—	—				
DP217	I(2/4)B25751	A18	01	—	01	02	01	01	02	02	01	03	01	01	01	01				
DP218	I(2/4)B25752	A21	—	03	01	01	01	01	02	03	01	03	01	01	—	01				
DP219	I(2/4)B25753	A23	01	01	06	01	06	01	01	01	01	01	02	01	03	03				
DP220	I(2/4)B25754	A24	03	03	01	46	01	46	01	46	03	46	03	46	03	46	4/8, 9/13, 16/20, 21/25, 28/32, 29/33	220μu	5	9204

NOTE: On all boards, 3 decoupling capacitors are fitted. These are 10μF ± 20%, Catalogue No. 9137

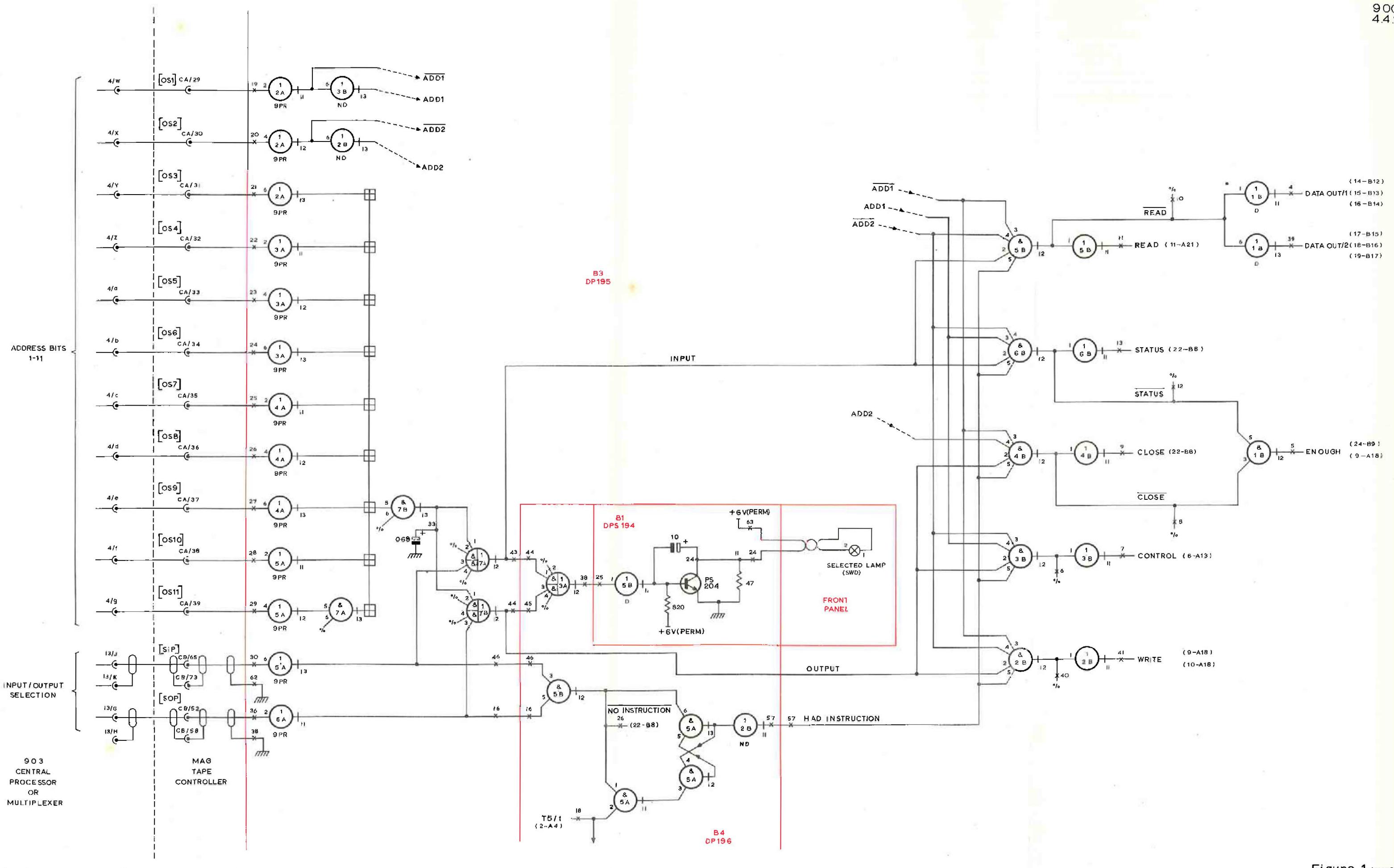
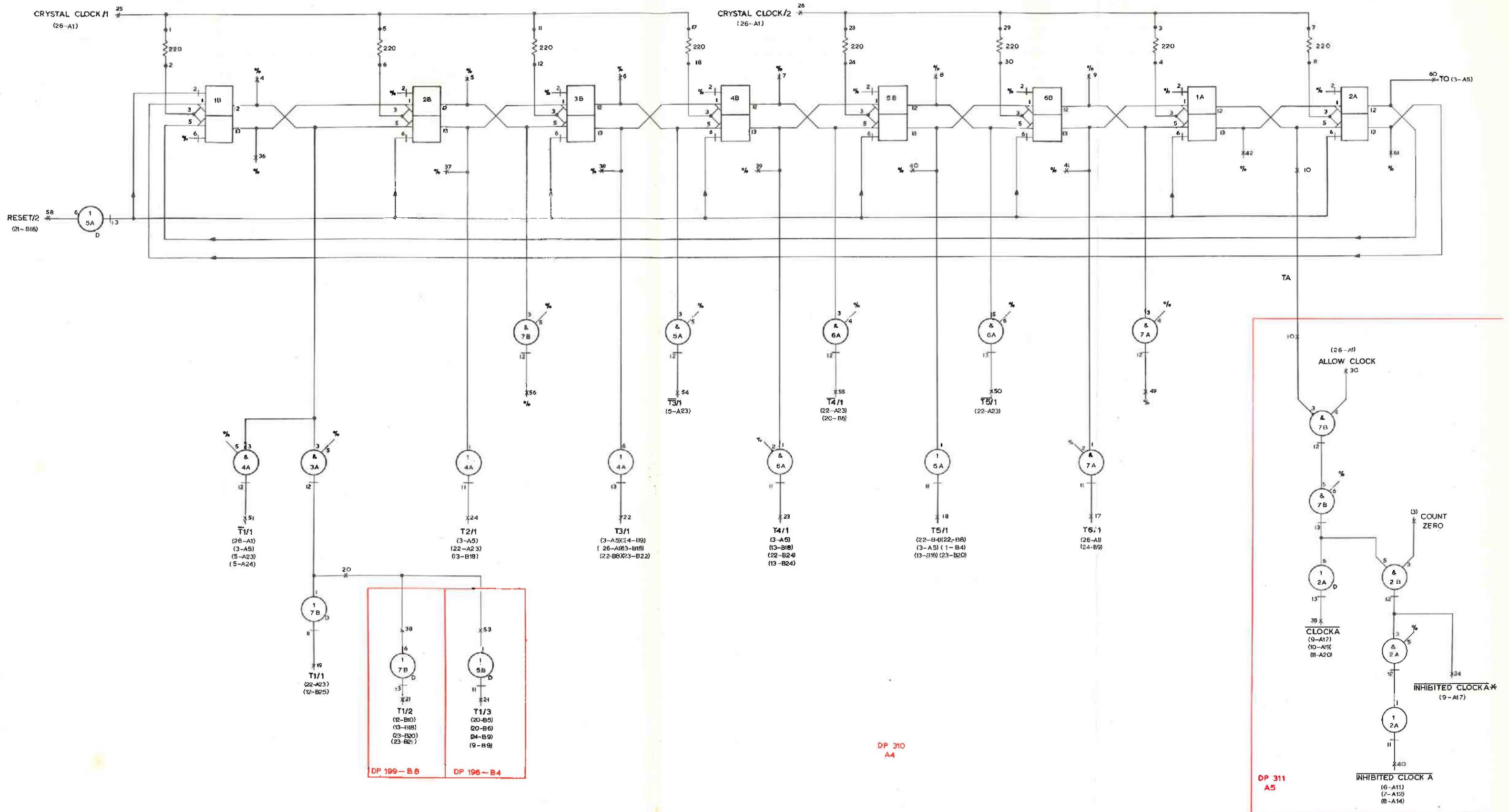


Figure 1 (*Issue 2*)



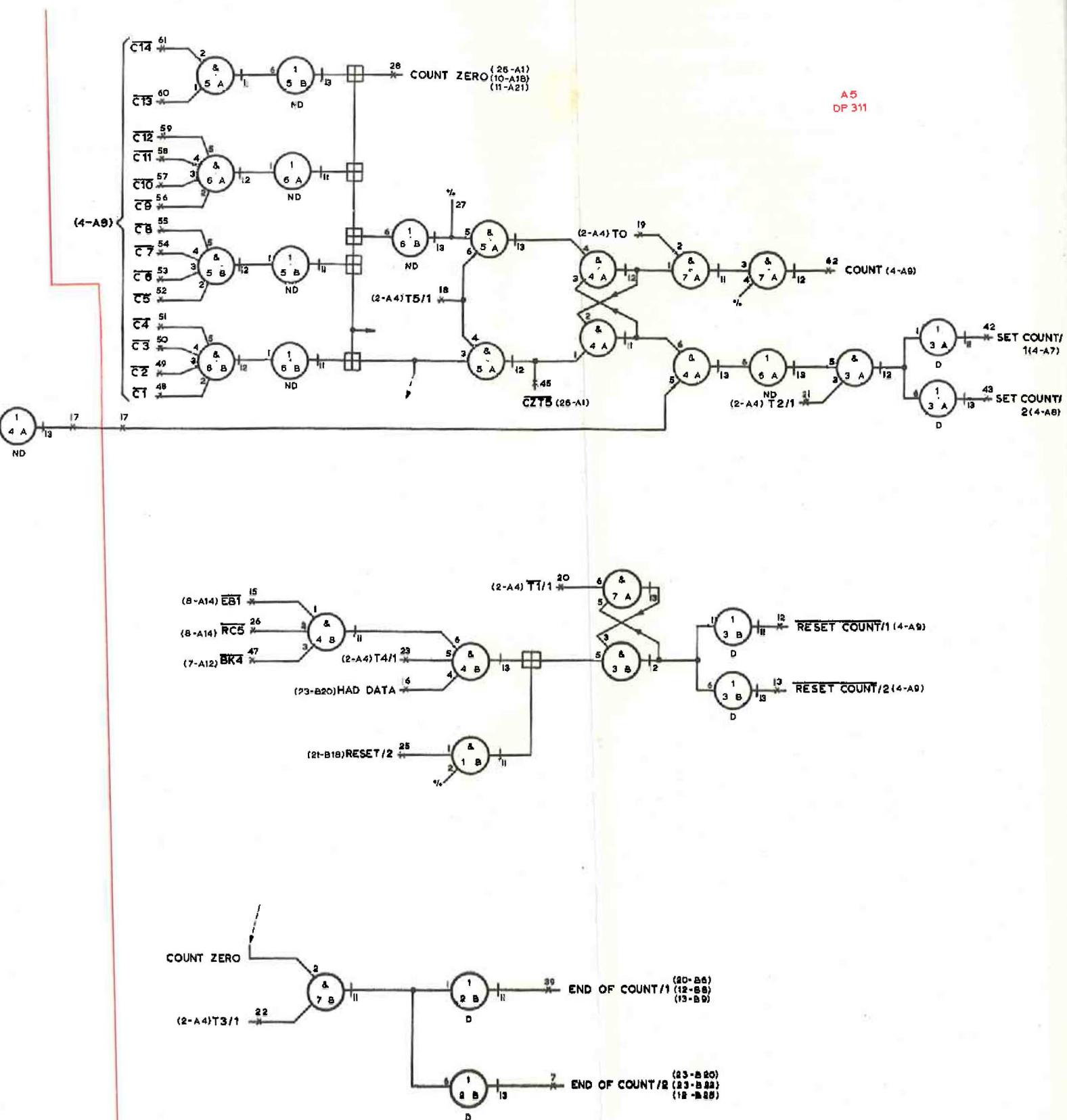
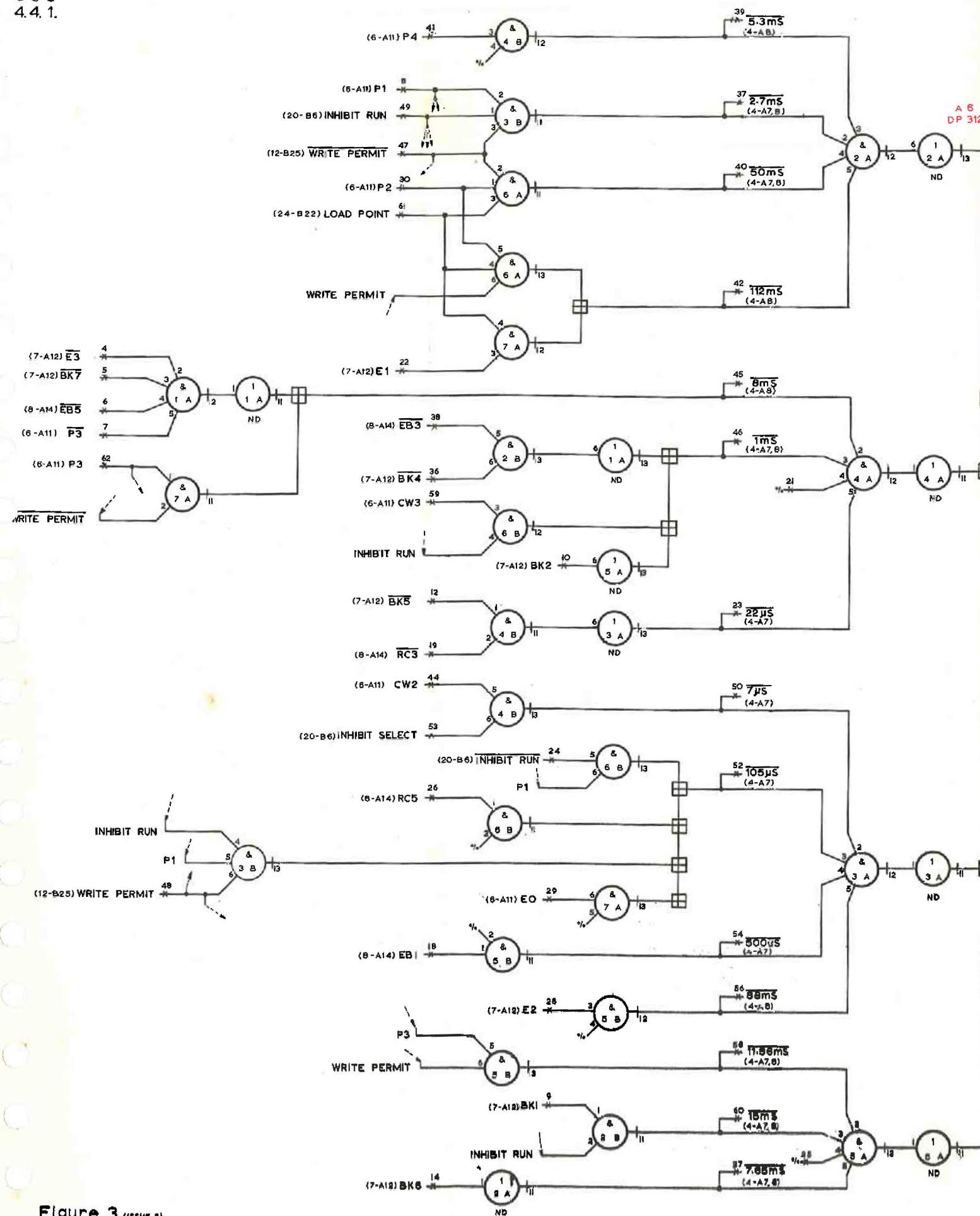


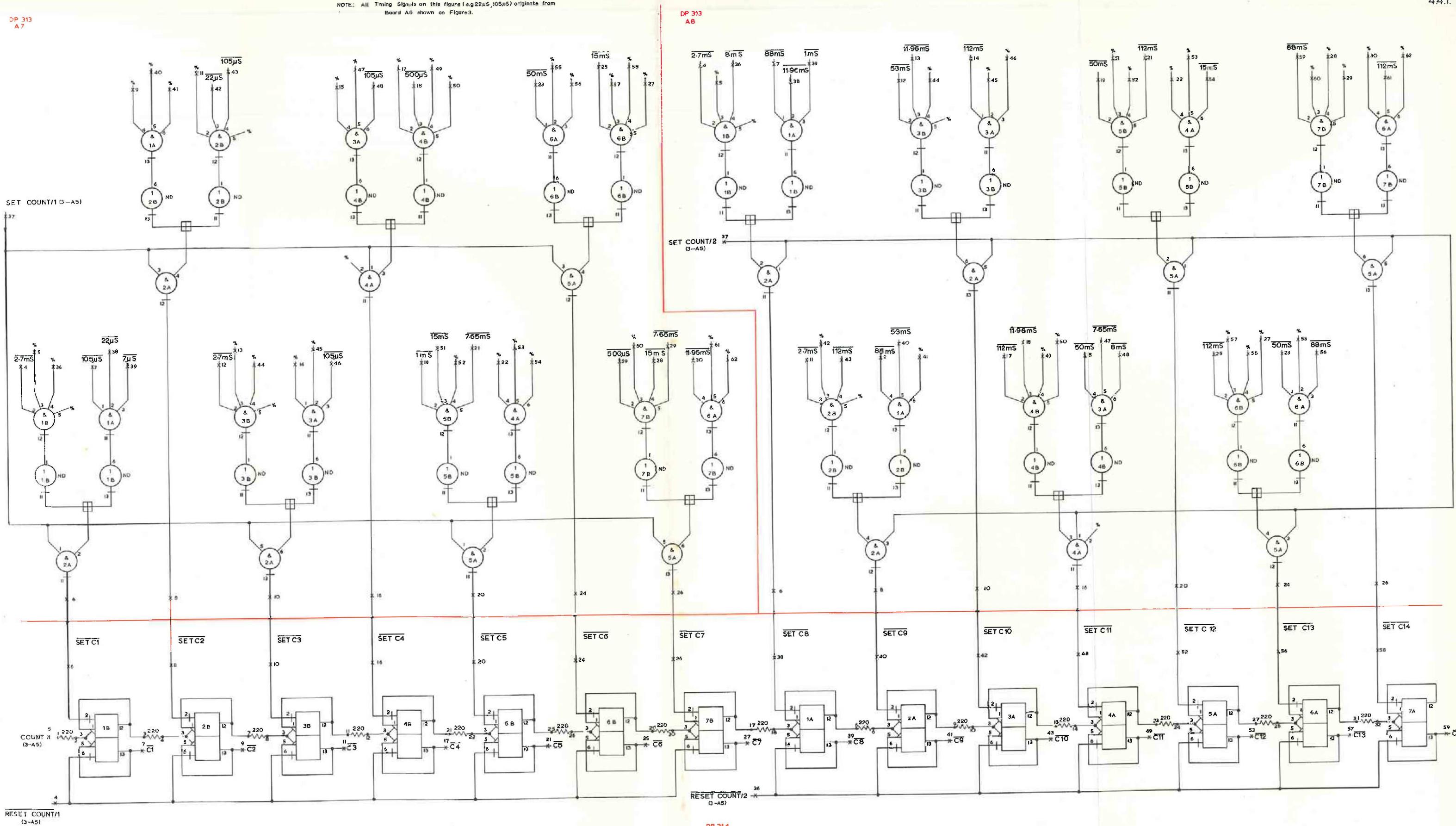
Figure 3 (Issue 2)

MAIN COUNTER CONTROL AND COUNT ZERO DECODE

NOTE: All Timing Signals on this figure (e.g. 22μS, 105μS) originate from Board A shown on Figure 3.

DP 313
A7

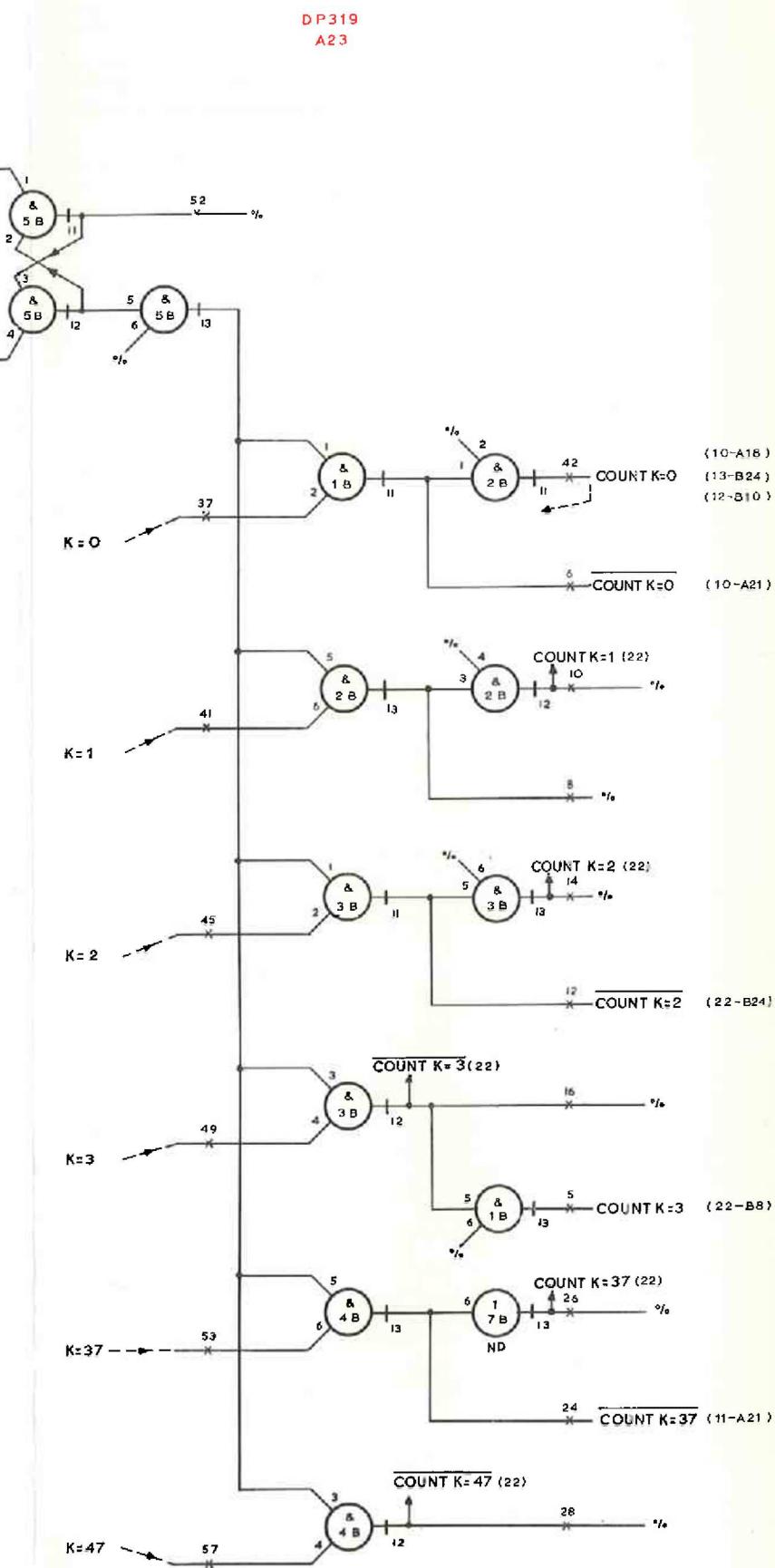
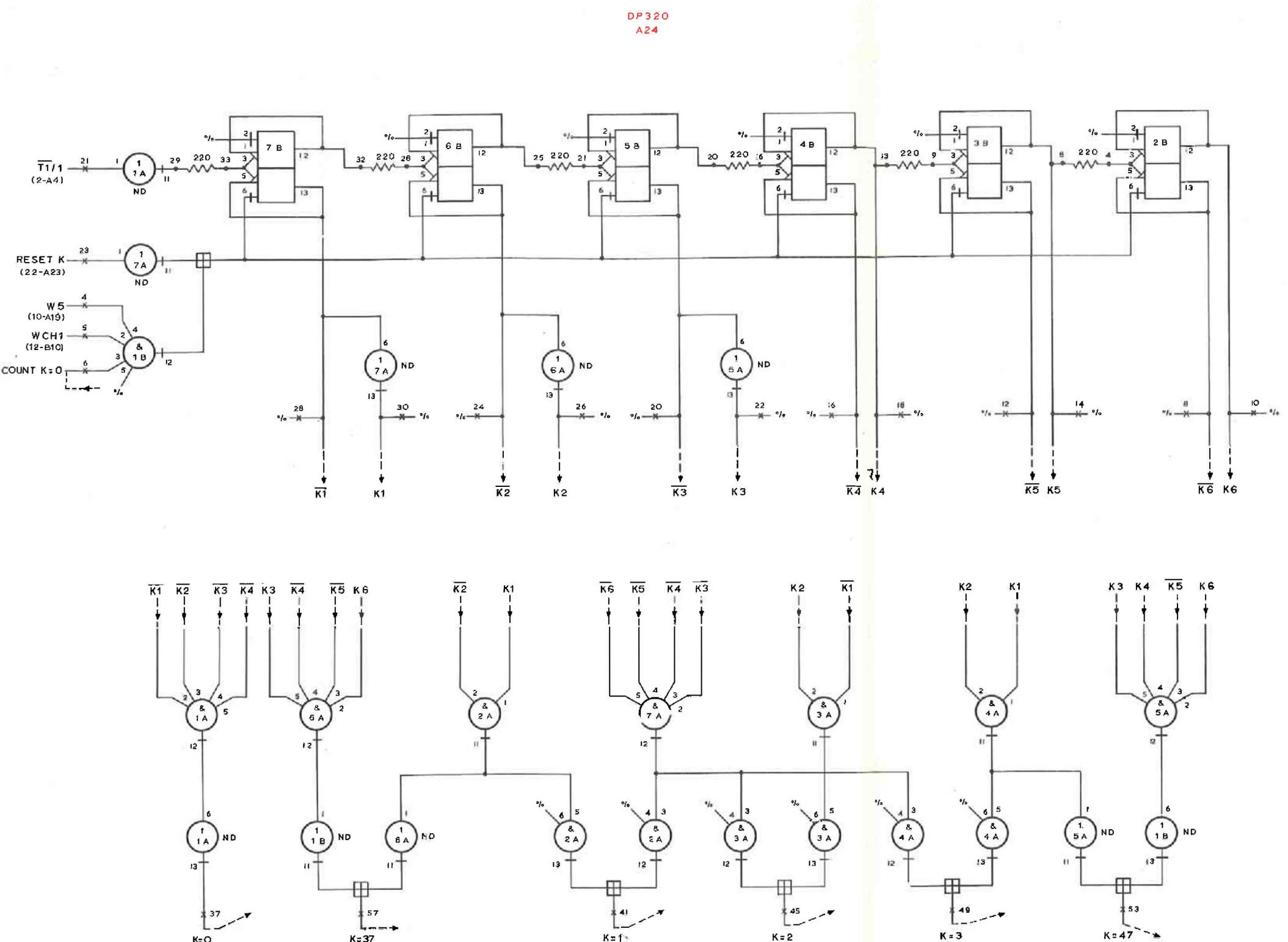
DP 313



DP 31
A9

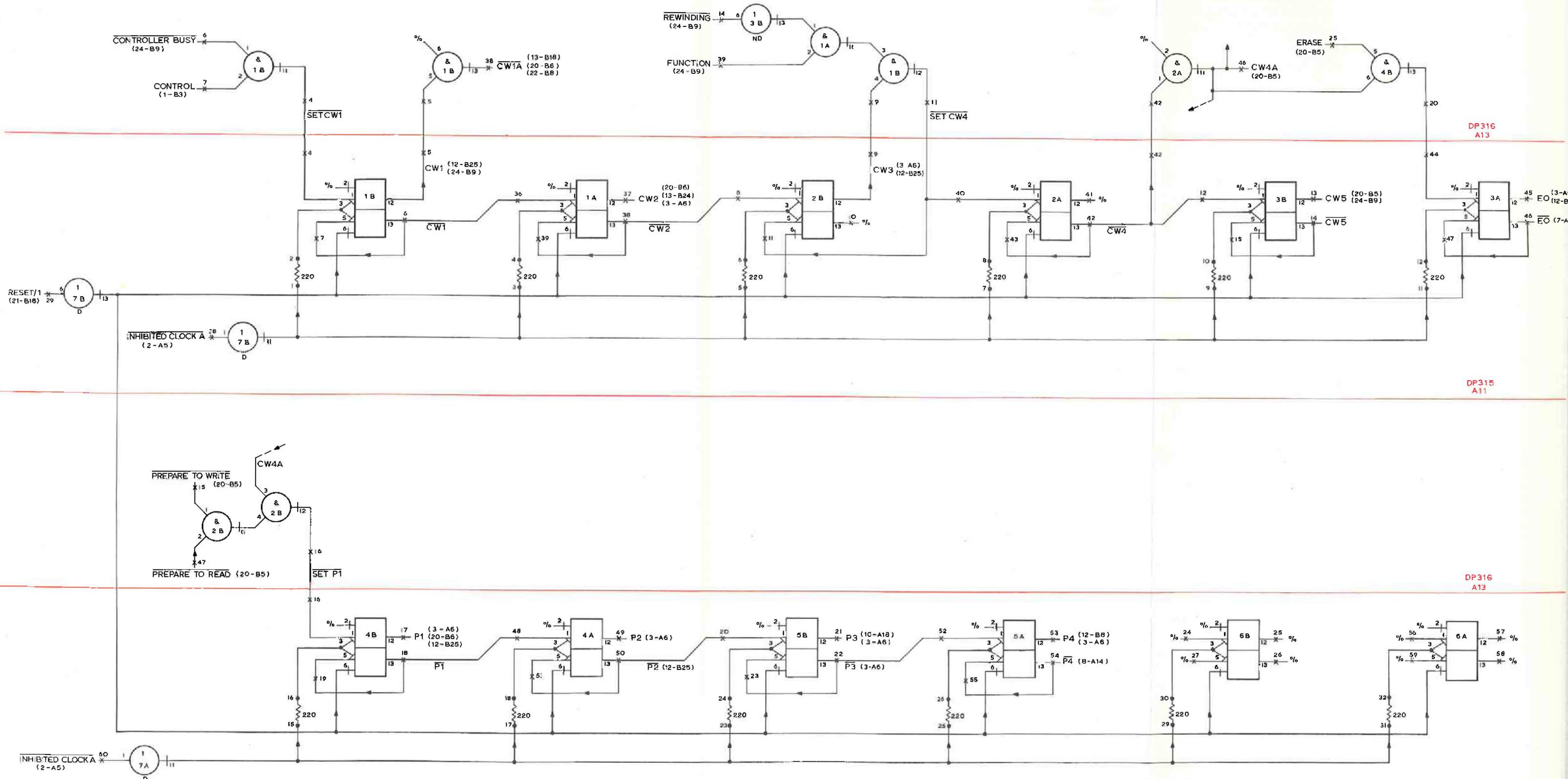
Figure 4 (ISSUE2)

MAIN COUNTER.



K COUNTER AND DECODE

Figure 5 (ISSUE 2)



CONTROL WRITE AND PREPARE SEQUENCE CONTROL

Figure 6 ISSUE

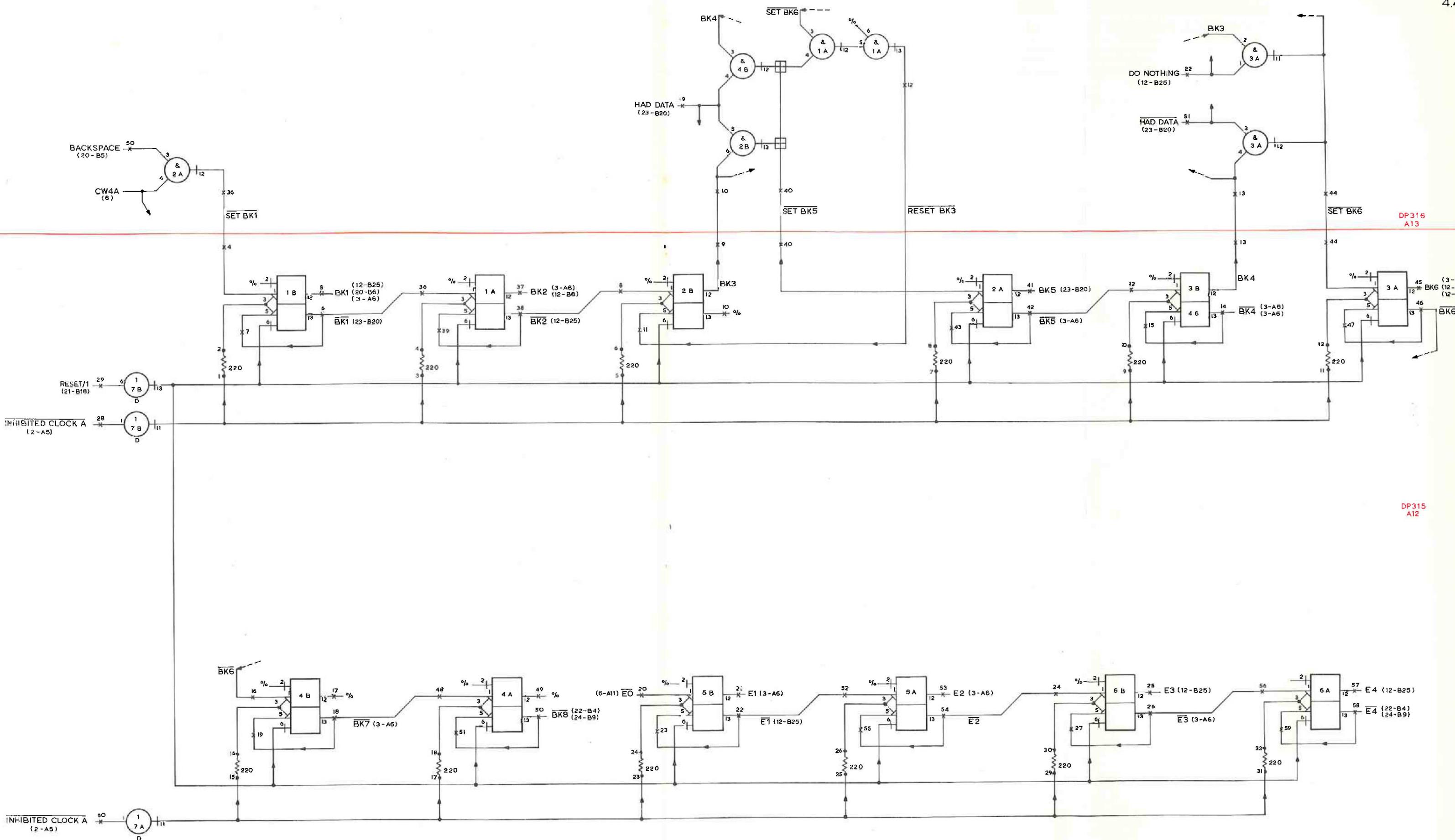
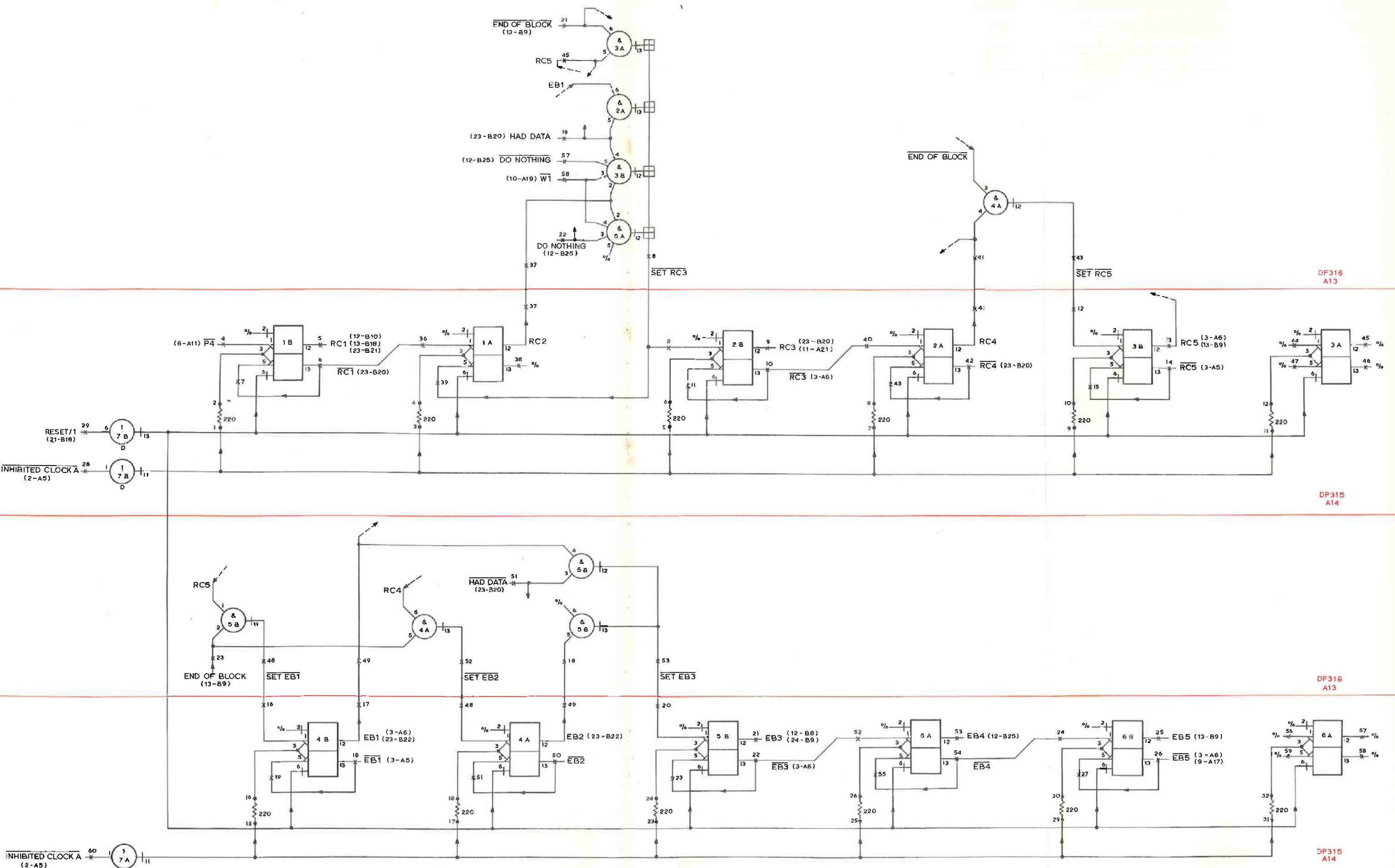
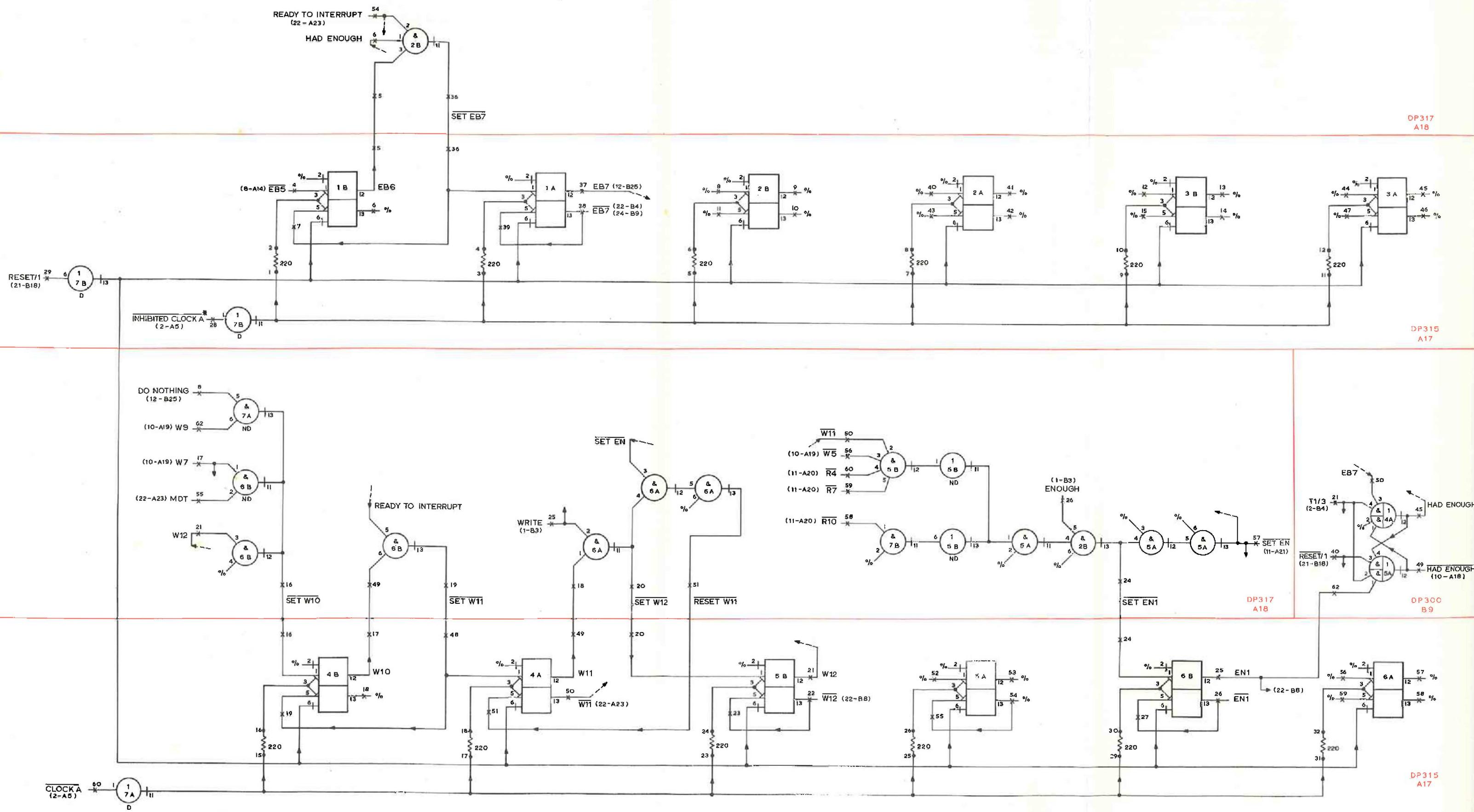


Figure 7 (ISSUE 2)

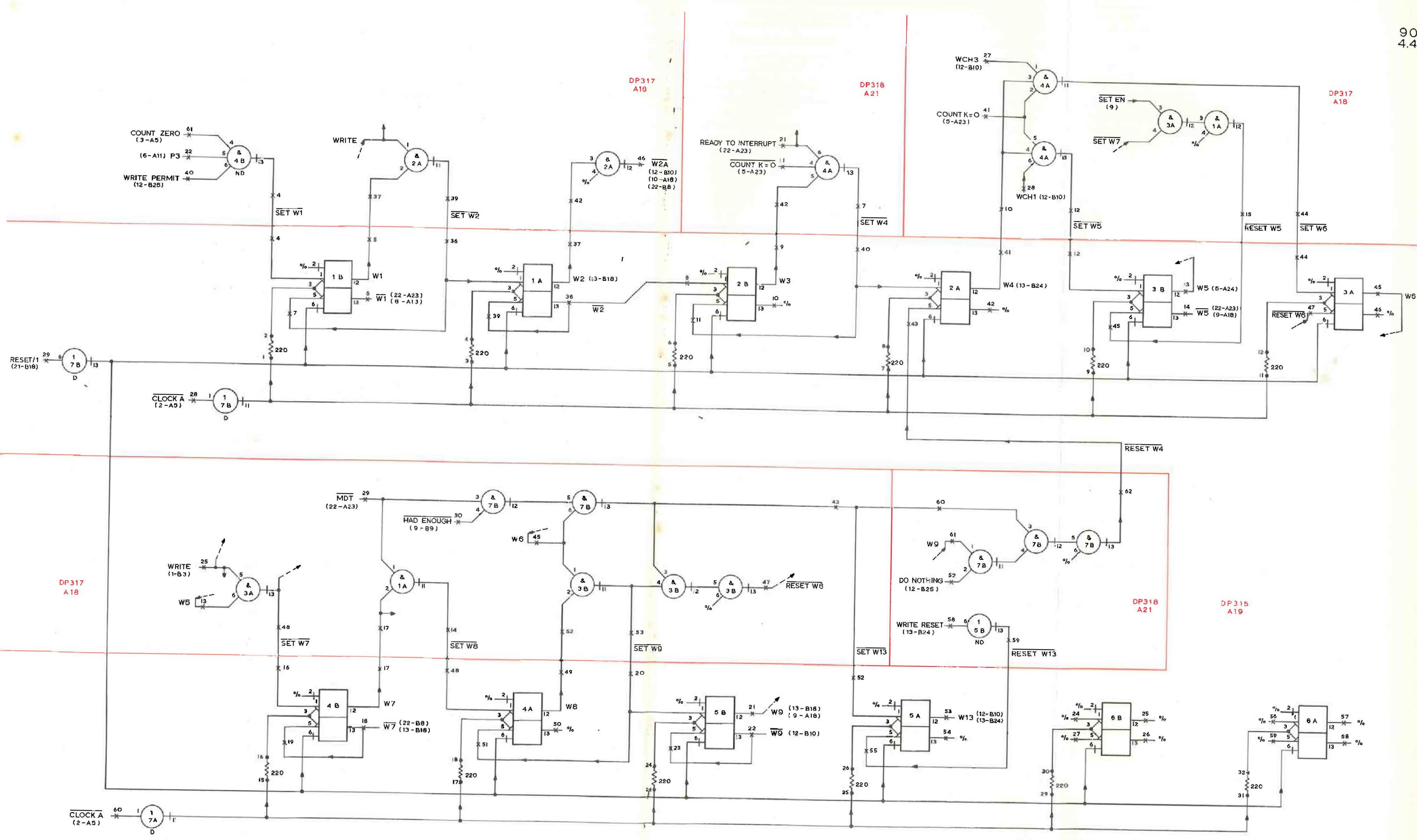


READ CHECK AND END OF BLOCK (EB1-5) SEQUENCE CONTROL.



END OF BLOCK (EB6,7), WRITE (W10-12) AND ENOUGH SEQUENCE CONTROL.

Figure 9 (ISSUE 2)



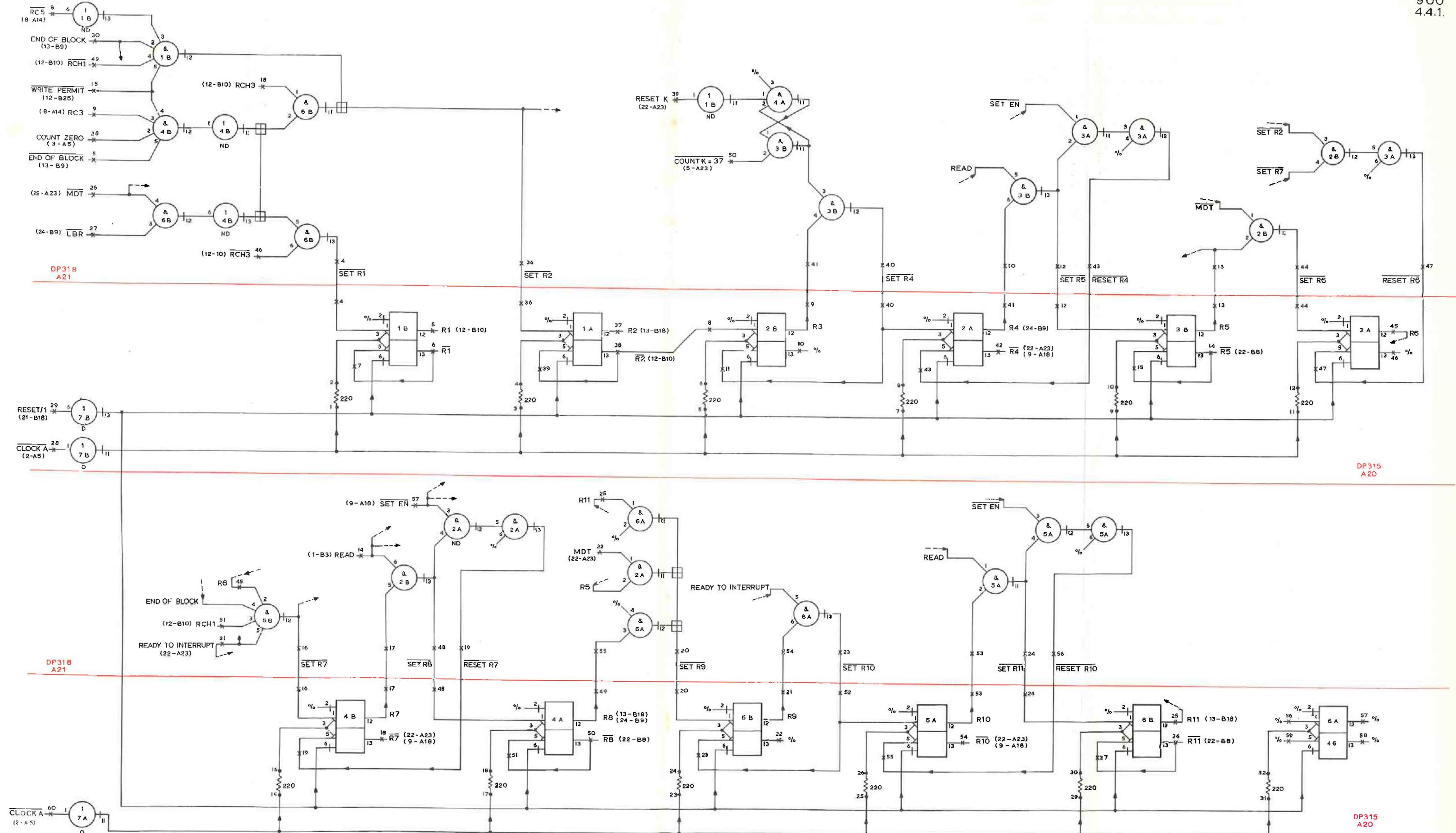
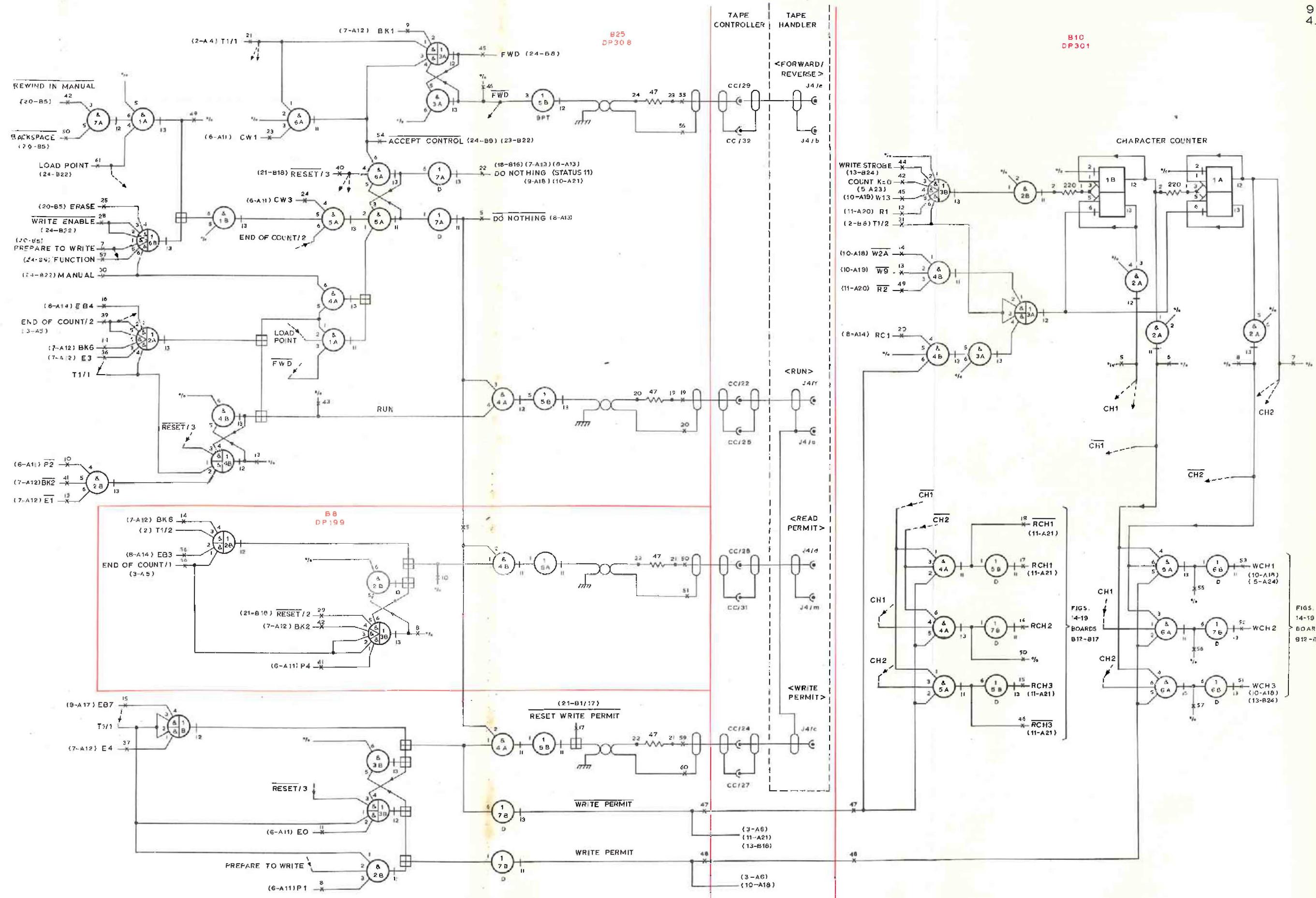
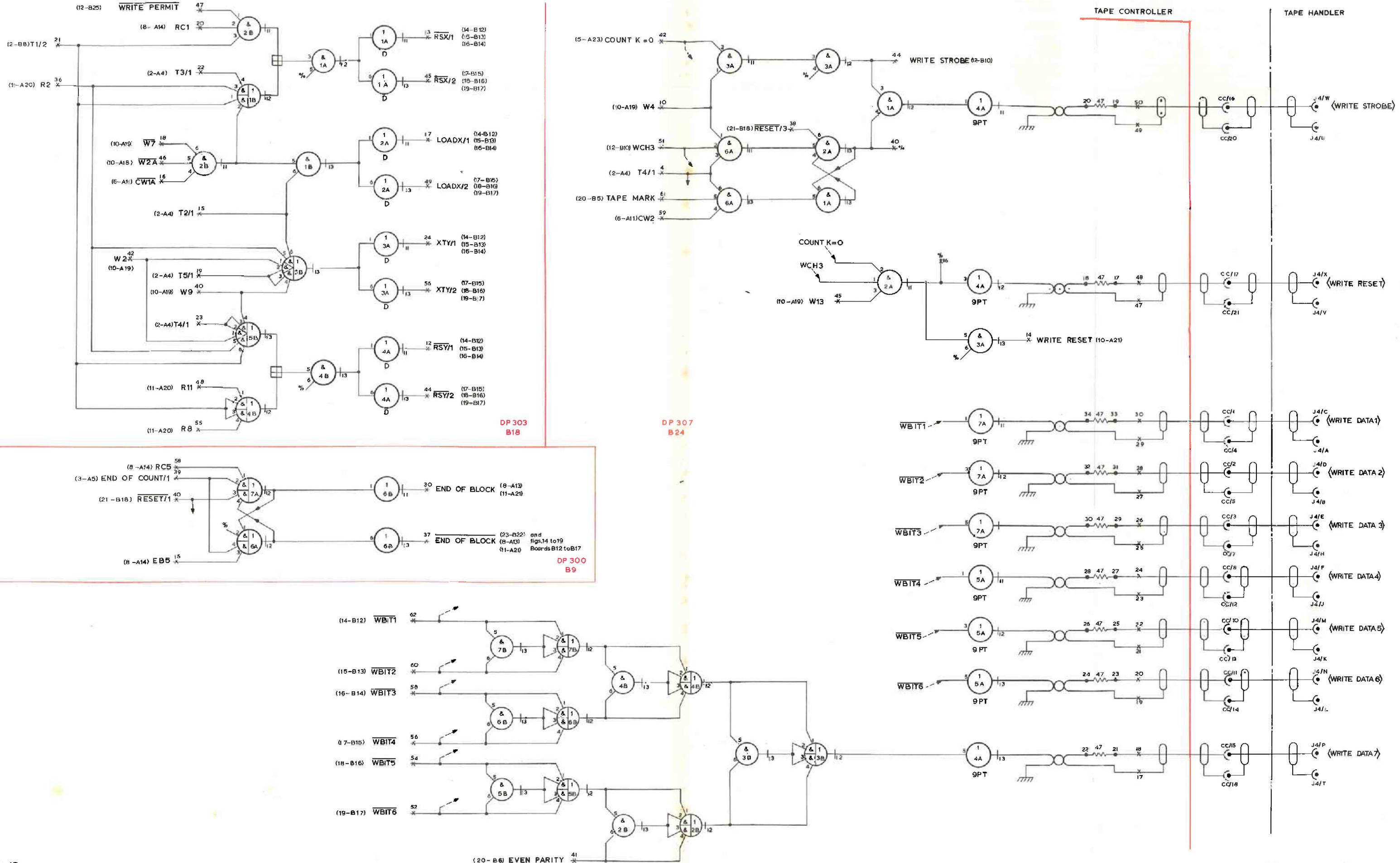


Figure 11 (issue 2)



RUN FORWARD/REVERSE, READ AND WRITE PERMIT AND CHARACTER COUNTER

Figure 12 (ISSUE2)



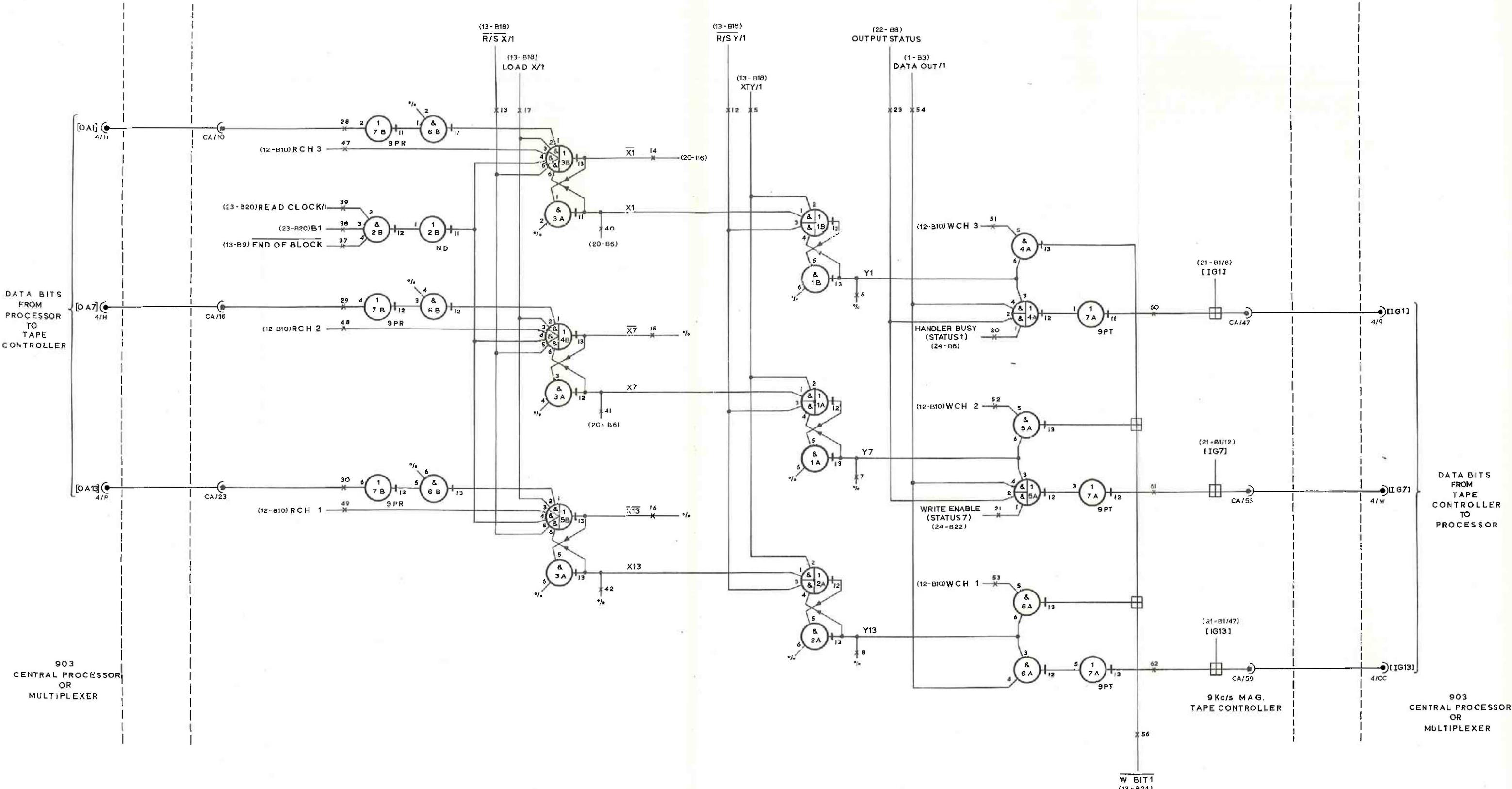
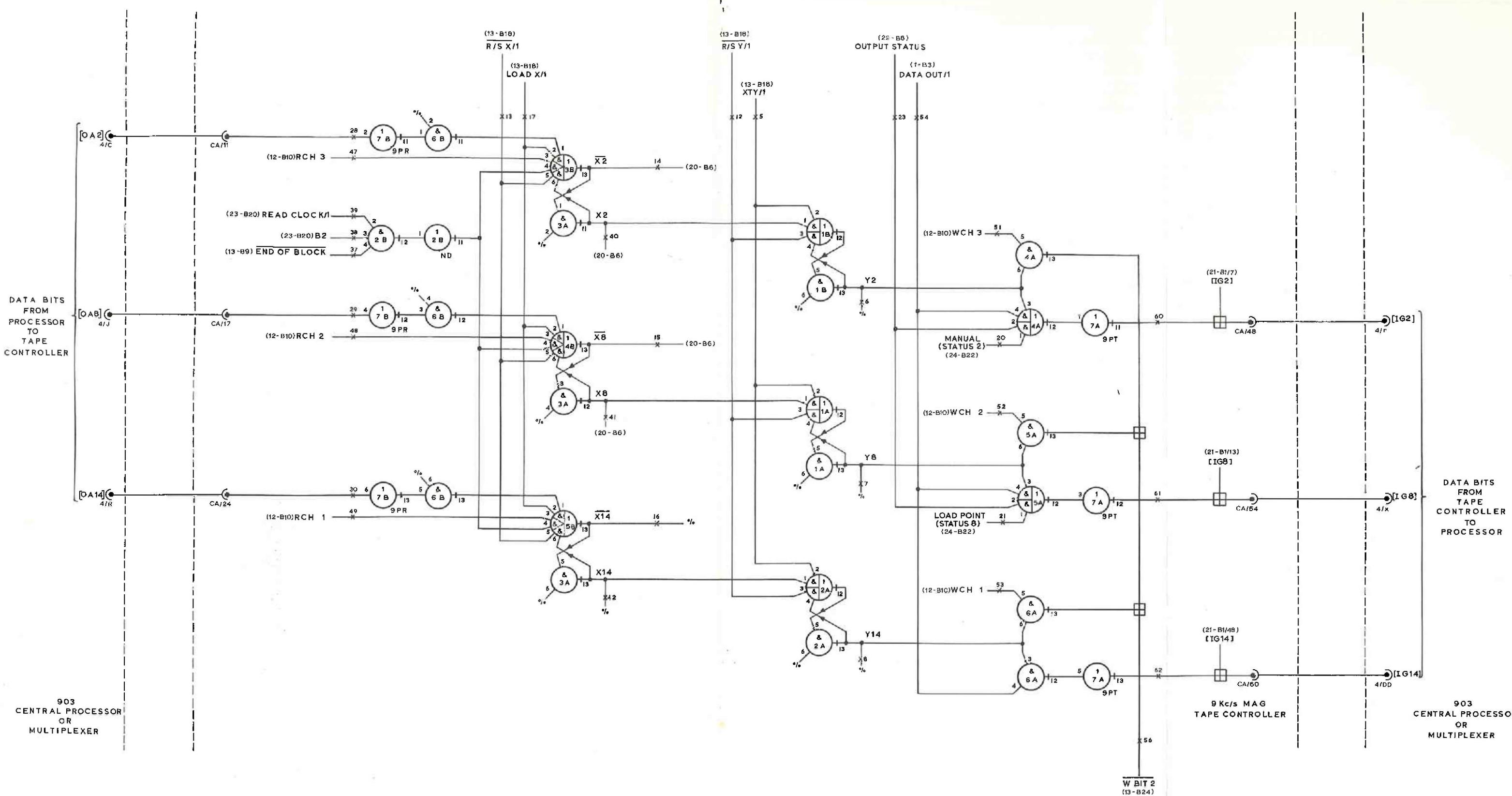
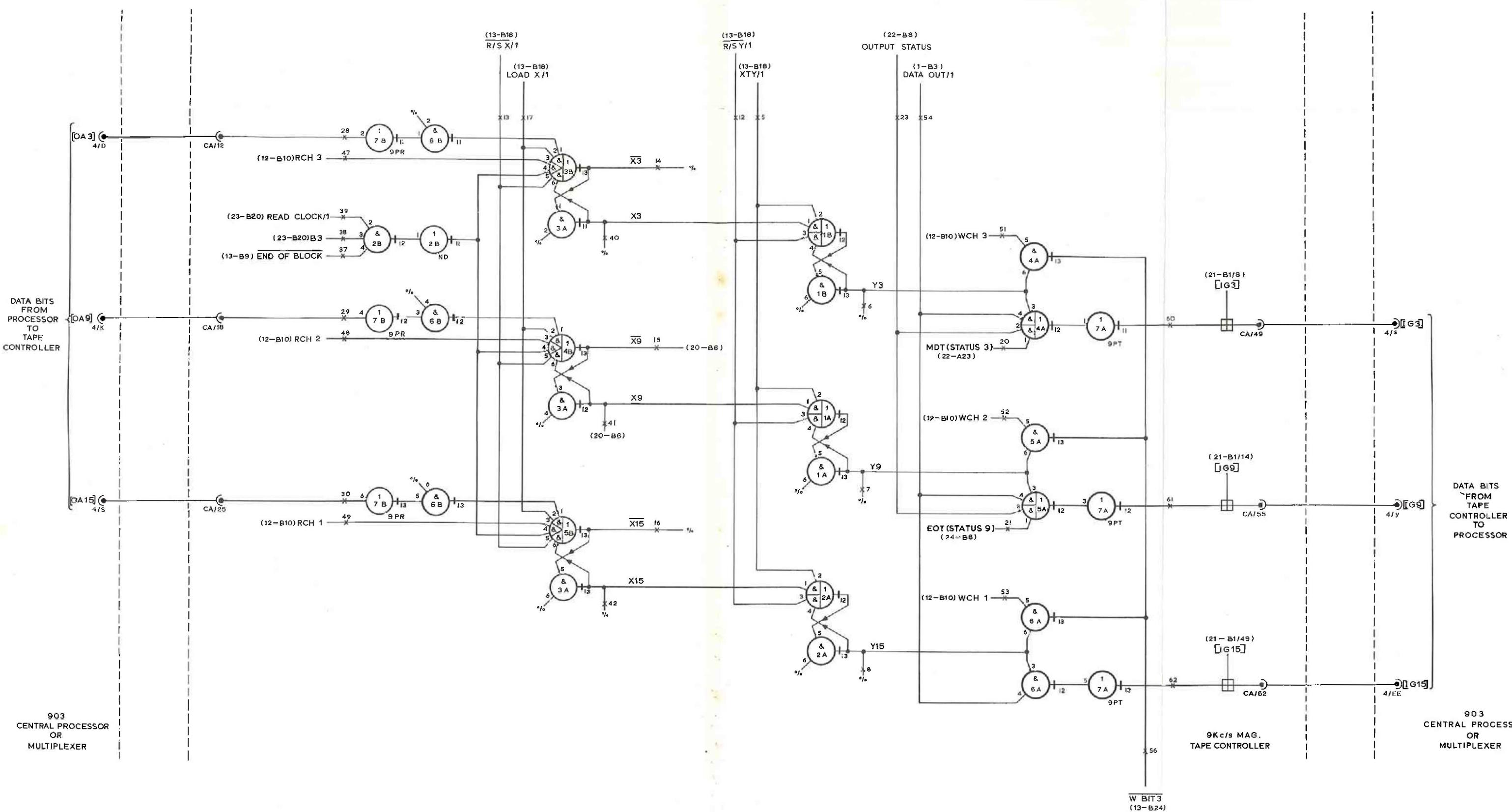


Figure 14 (ISSUE 2)



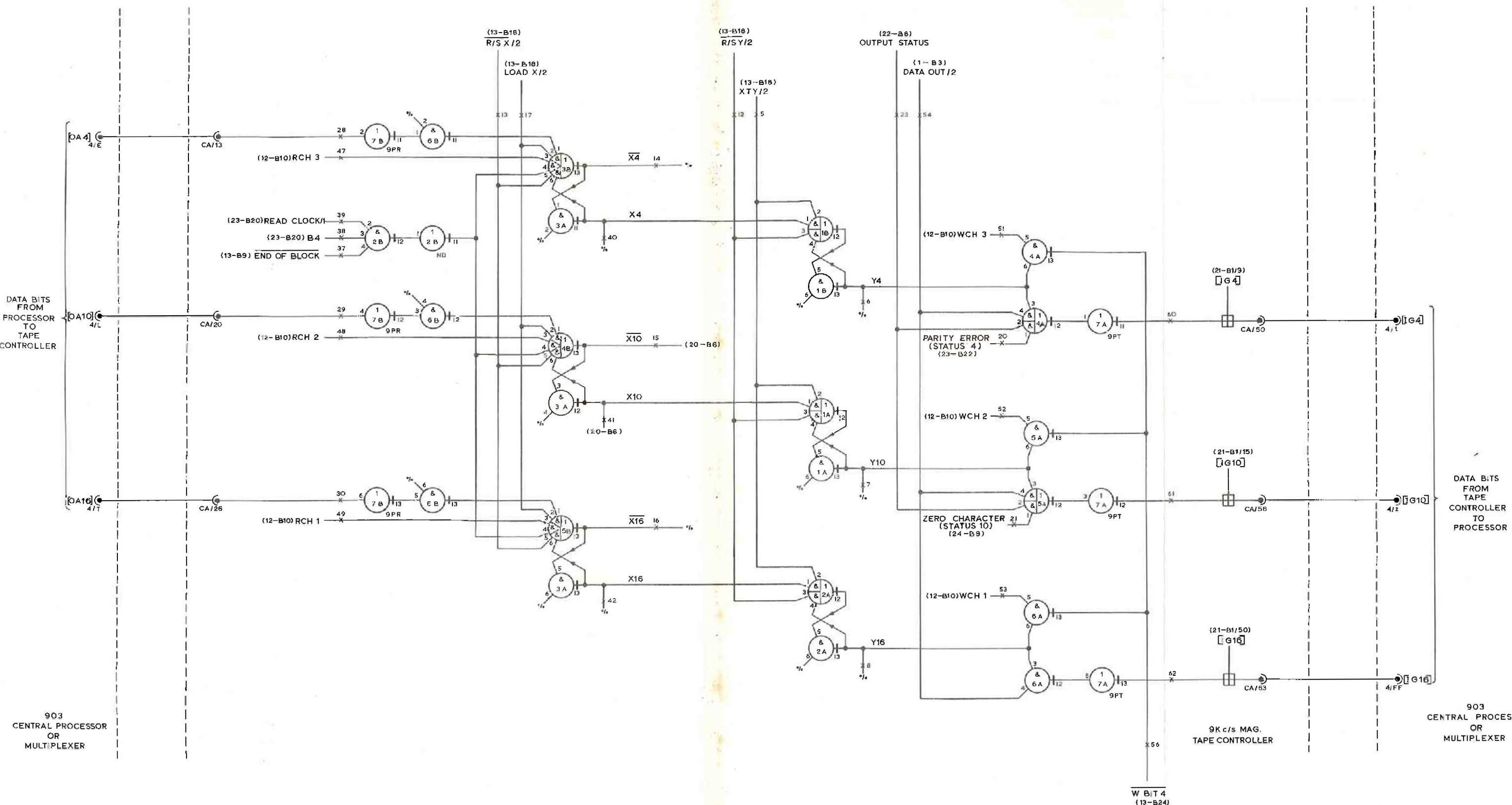
X AND Y REGISTERS - BITS 2,8,14. (B13-DP302)

Figure 15 (ISSUE 2)



X AND Y REGISTERS – BITS 3, 9, 15.(B14-DP302)

Figure 16 (ISSUE 2)



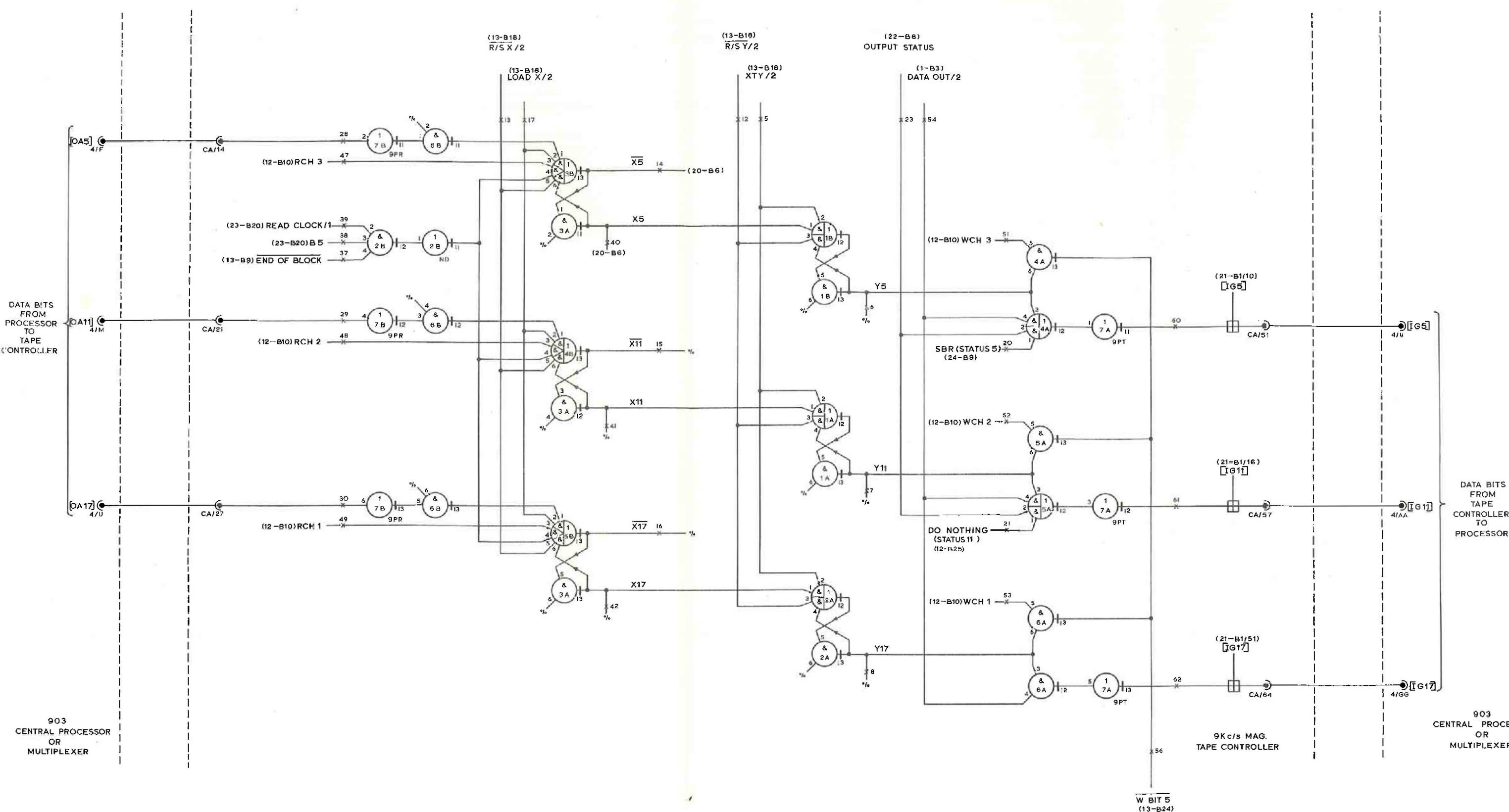
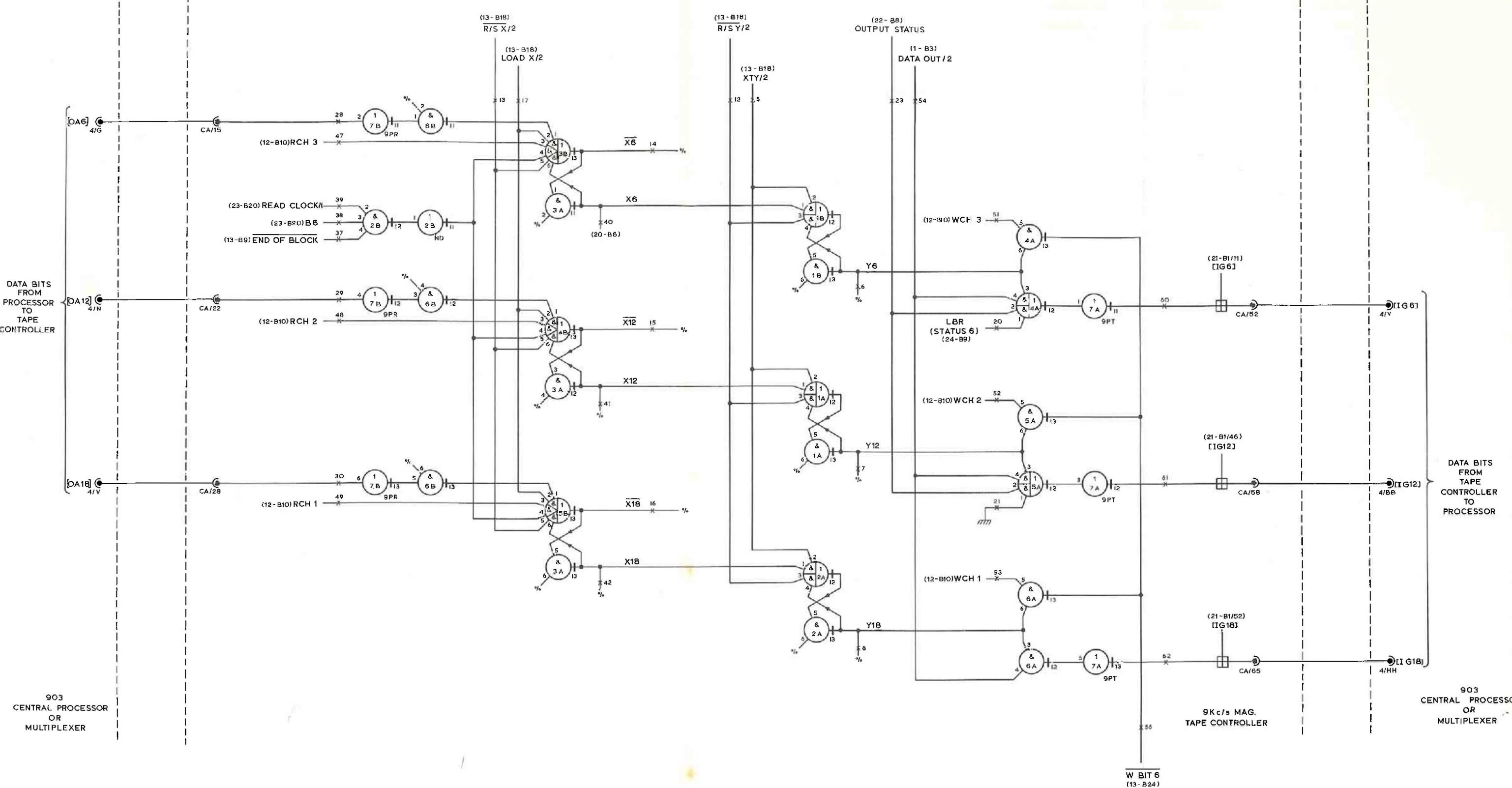
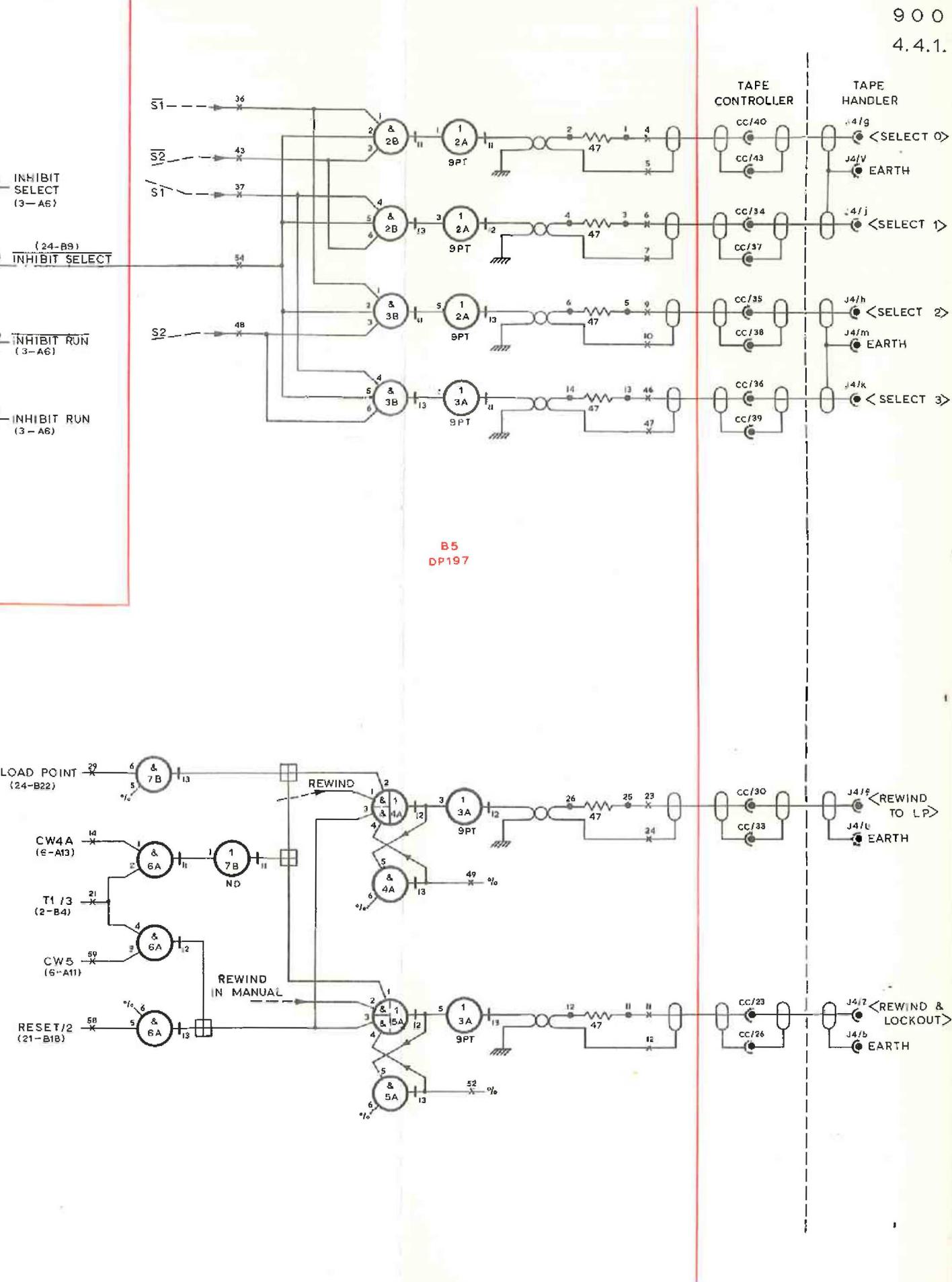
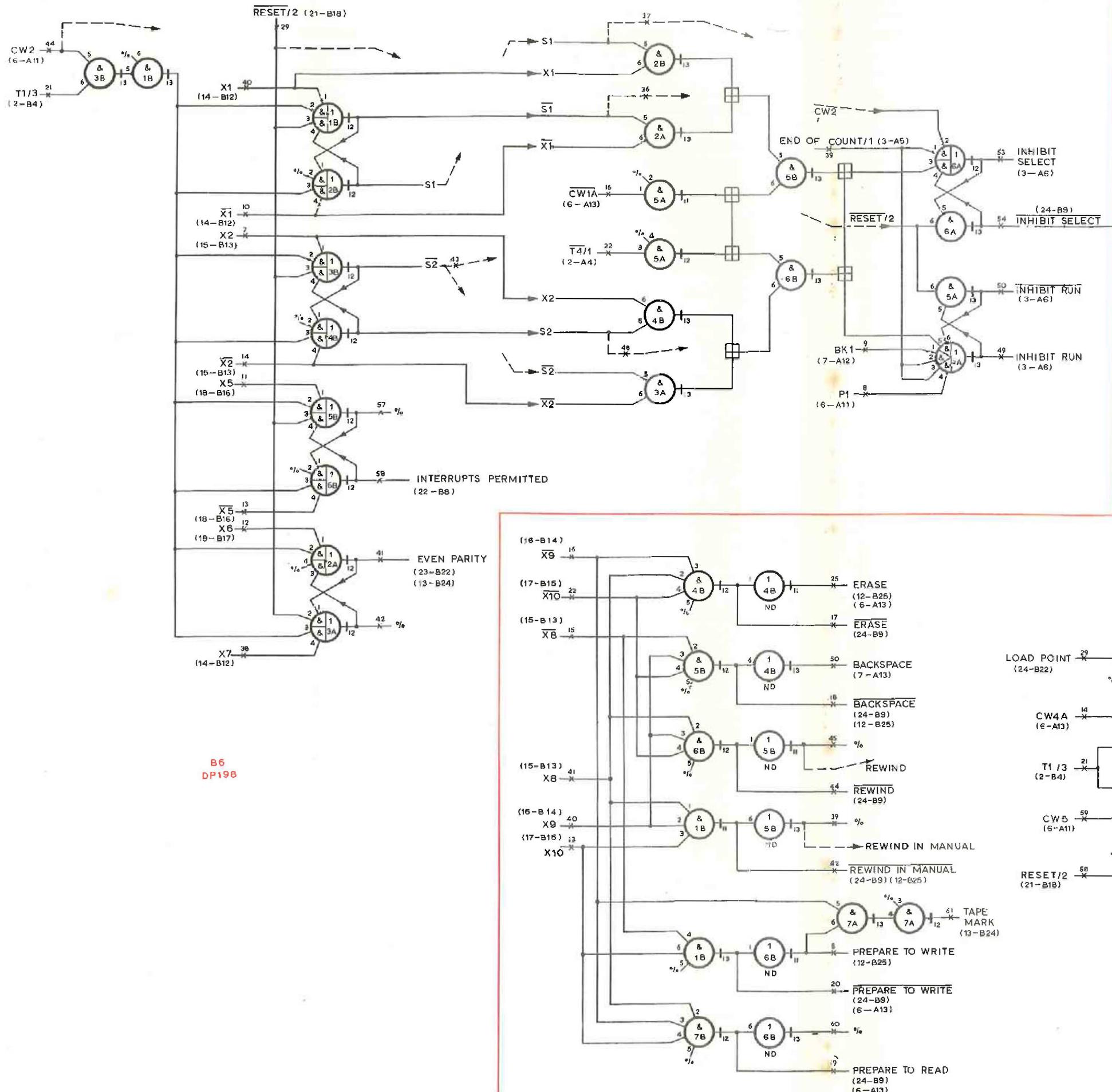


Figure 18 ISSUE 2



X AND Y REGISTERS — BITS 6,12,18(B17-DP302)

Figure 19 (ISSUE 2)



CONTROL WORD DECODE AND REWIND CONTROL

Figure 20 (ISSUE 2)

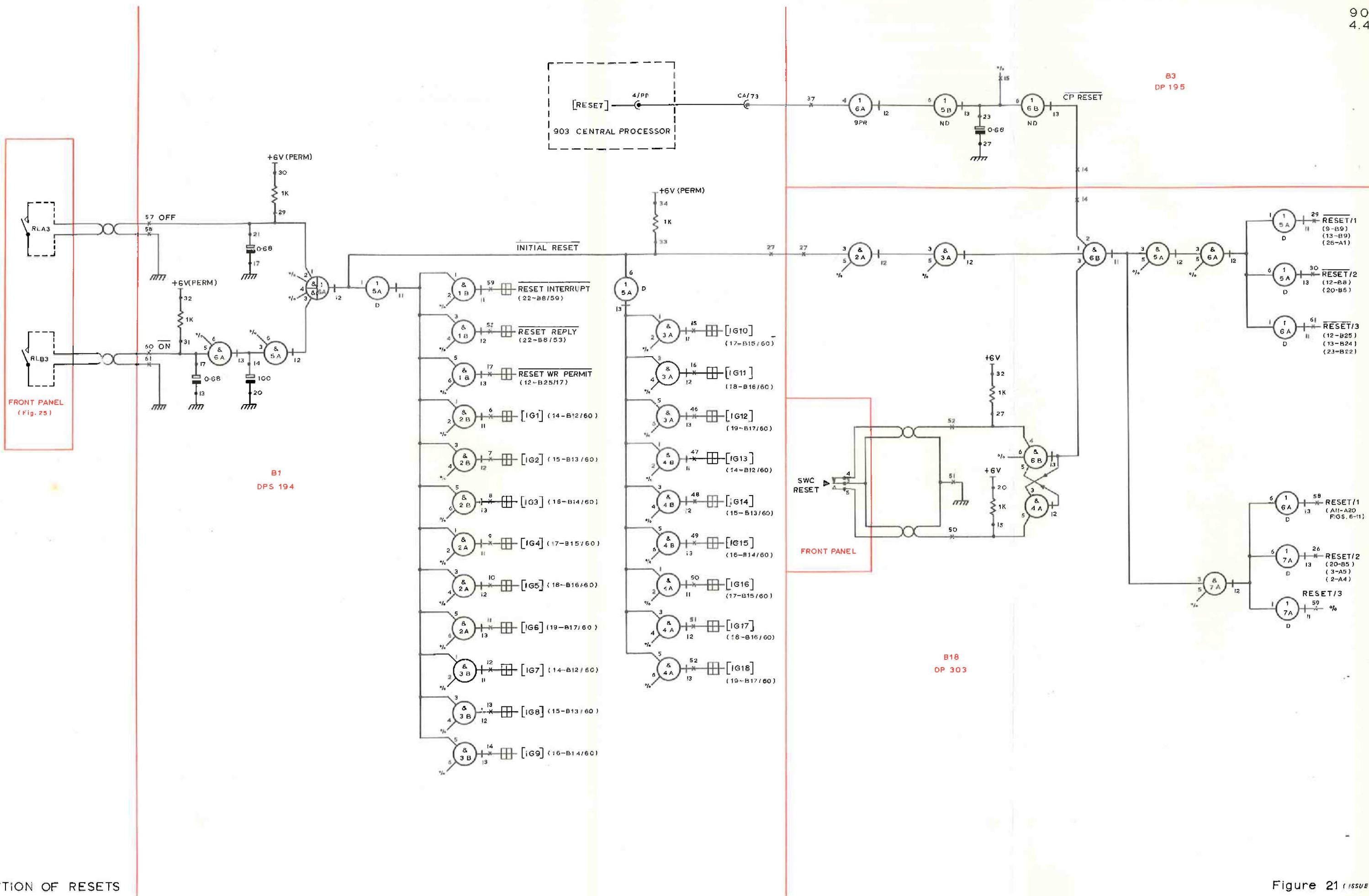
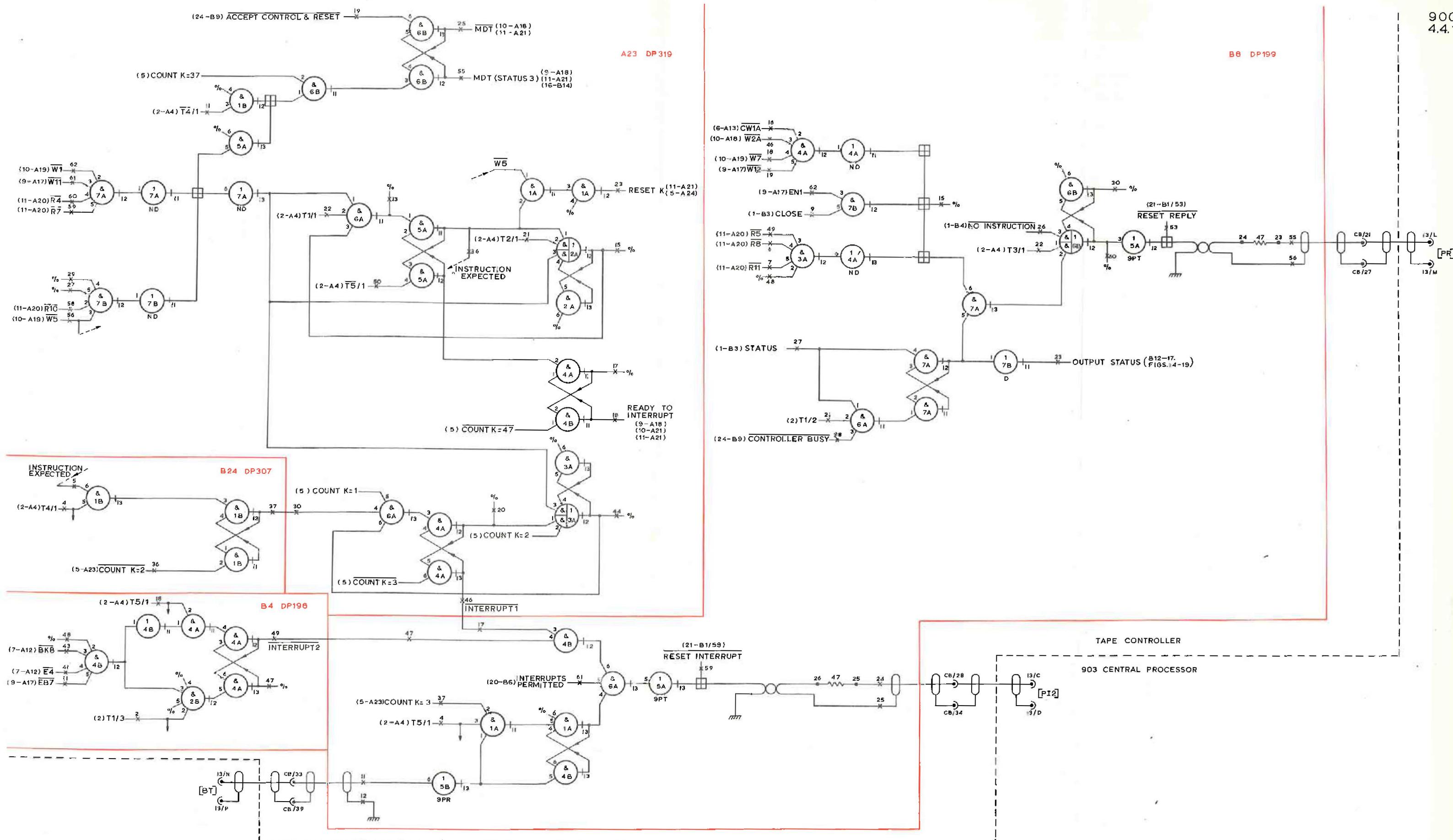


Figure 21 (ISSUE 2)



MDT (STATUS 3), REPLY AND INTERRUPT

Figure 22 (ISSUE 2)

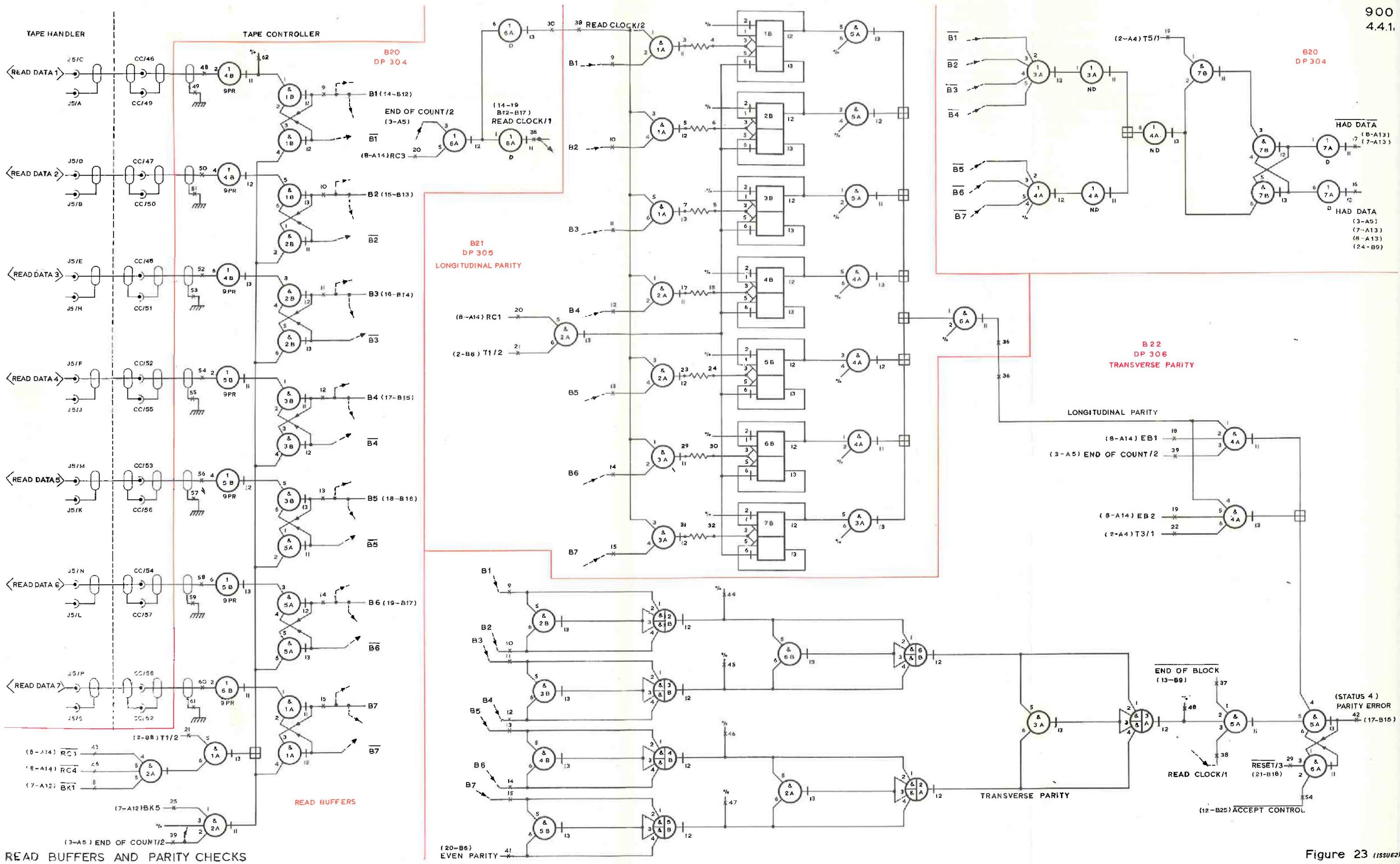


Figure 23 (ISSUE2)

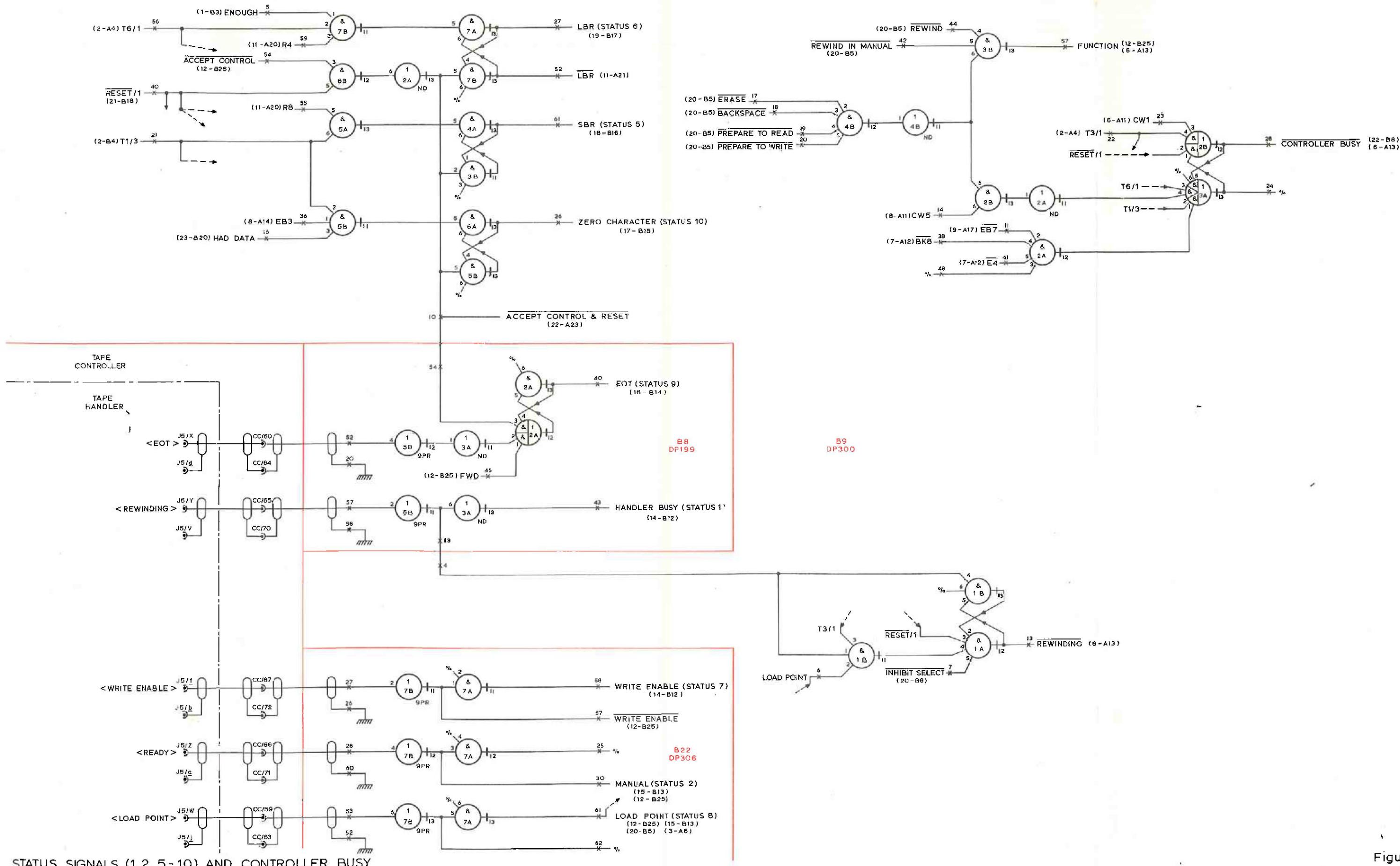
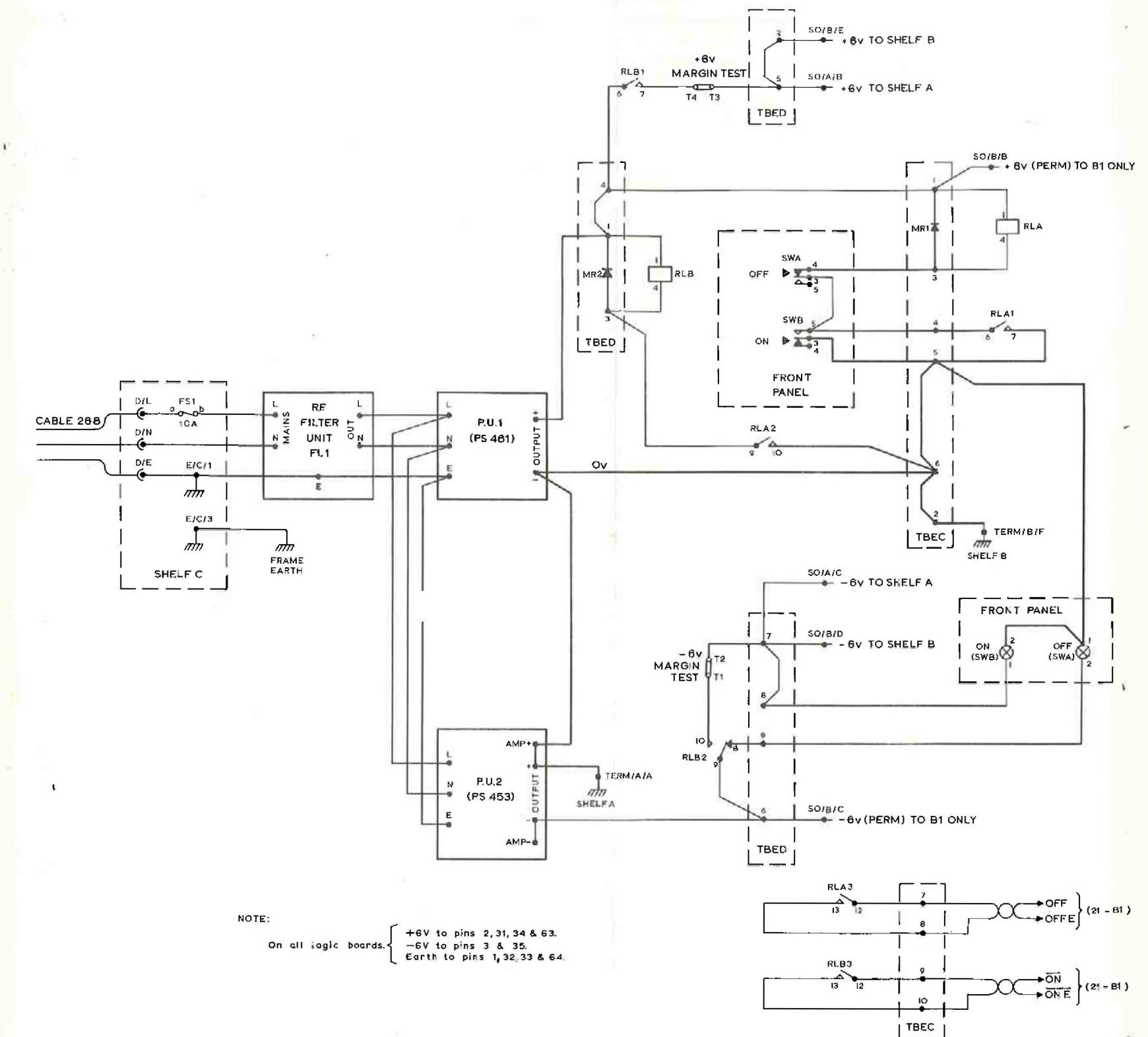


Figure 24 (ISSUE 2)



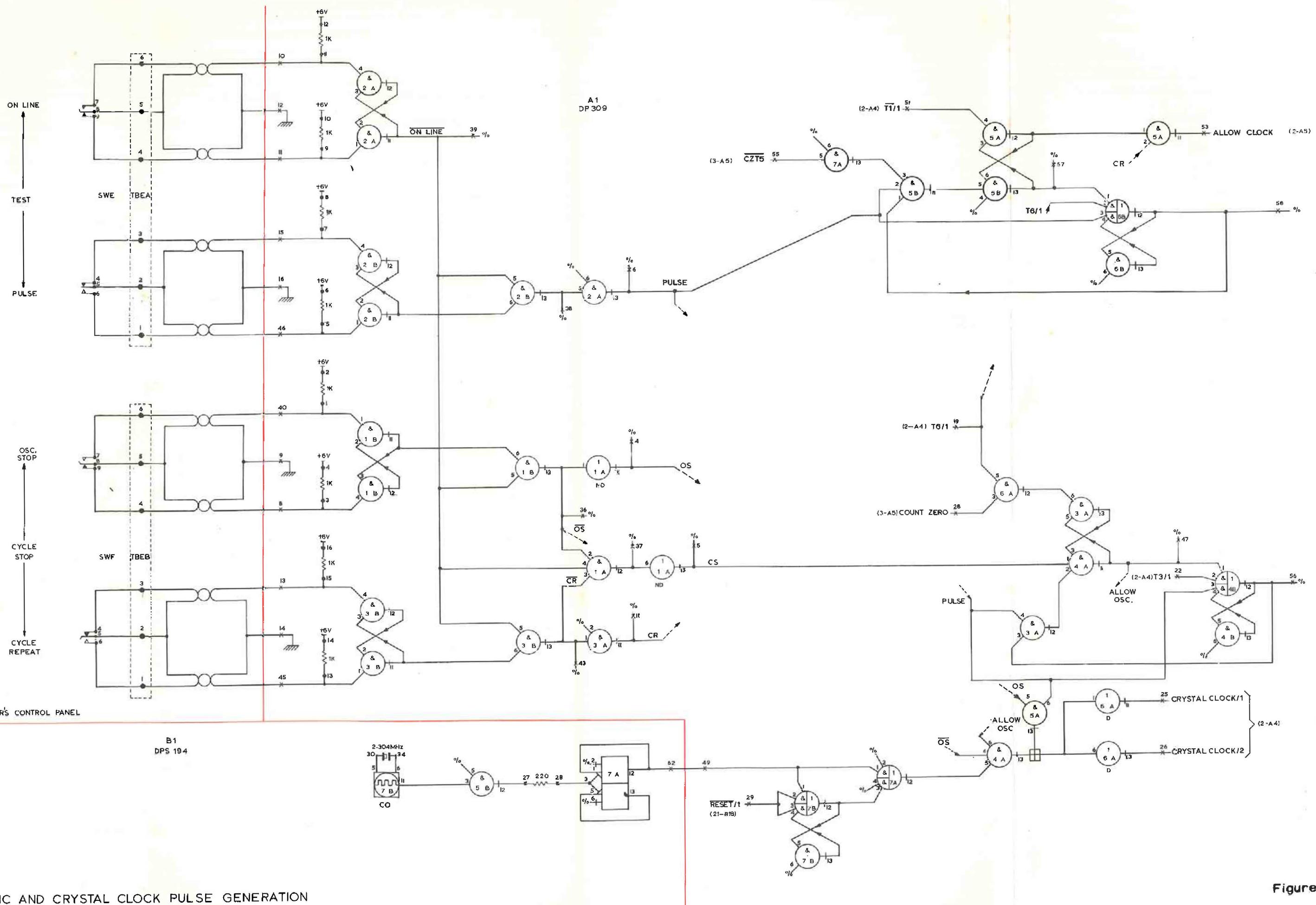


Figure 26 (ISSUE 2)

TEST LOGIC AND CRYSTAL CLOCK PULSE GENERATION