

1902/3 COMPUTER INDEX

ISS. 14 9259 5-66

SHT NO	DIAG NO	LOGIC GROUP	SHT NO	DIAG NO	LOGIC GROUP	SHT NO	DIAG NO	LOGIC GROUP	SHT NO	DIAG NO	LOGIC GROUP
1	15J	BLOCK SCHEMATIC	26	15J	MILL SECTION 8	51	21E	PERIPHERAL DEVICE TERM 4			
2	15K	TIMING GENERATOR	27	15K	MILL SECTION 9	52	21F	PERIPHERAL DEVICE TERM 5			
3		REGISTERS RX, RF, & RM	28	15L	MILL SECTION 10	53	21G	PERIPHERAL DEVICE TERM 6			
4		FUNCTION OCTAL DECODERS	29	15M	MILL SECTION 11	54	21H	PERIPHERAL DEVICE TERM 7			
5	5A	FUNCTION DECODERS A	30	15N	MILL SECTION 12	55	22	PERIPHERAL COMM' CONT			
6	5B	FUNCTION DECODERS B	31	15P	MILL SECTION 13	56	23	OPERATIONAL CONTROLS			
7	6A	SEQUENCE REGISTER A	32	15Q	MILL SECTION 14	57	24	LOGIC ARRANGEMENT			
8	6B	SEQUENCE REGISTER B	33	15R	MILL SECTION 15			CARD 219			
9	7	CONTROL SEQUENCE REGISTER	34	15S	MILL SECTION 16			INDEX			
10	10B	STORE ADDRESSING	35	15T	MILL SECTION 17	58					
11	9A	CONTROLS TO STORE A	36	15U	MILL SECTION 18		25	HIGH SPEED CONTROL			
12	9B	CONTROLS TO STORE B	37	15V	MILL SECTION 19		26	HIGH SPEED CONTROL			
13	10	STORE PARTY	38	15W	MILL SECTION 20		27	FLOW SHEETS			
14	11	CONTROLS TO HIGHWAY RJ	39	15X	MILL SECTION 21		28				
15	12	CONTROLS TO HIGHWAY RK	40	15Y	MILL SECTION 22		29				
16	13	CONTROLS TO HIGHWAY RL	41	15Z	MILL SECTION 23						
17	14	REGISTER SET PULSES	42	16	MILL CARRY LOGIC						
18	15A	MILL SECTION 0	43	17	OVERFLOW & CARRY REGISTERS						
19	15B	MILL SECTION 1	44	18	CONTROLS TO MILL						
20	15C	MILL SECTION 2	45	19	CHARACTER HANDLING						
21	15D	MILL SECTION 3	46	20	TYPEWRITER LOGIC						
22	15E	MILL SECTION 4	47	21A	PERIPHERAL DEVICE TERM 0						
23	15F	MILL SECTION 5	48	21B	PERIPHERAL DEVICE TERM 1						
24	15G	MILL SECTION 6	49	21C	PERIPHERAL DEVICE TERM 2						
25	15F	MILL SECTION 7	50	21D	PERIPHERAL DEVICE TERM 3						

SEE RELEVANT PARTS LIST FOR DRG NOS OF HIGH SPEED CONTROL & FLOW SHTS.



LOGIC DIAGRAM

5006471/1458 D

ISSUE SHEET CAT

ISSUE SHEET

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

ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.

NOTES

DATE

BY

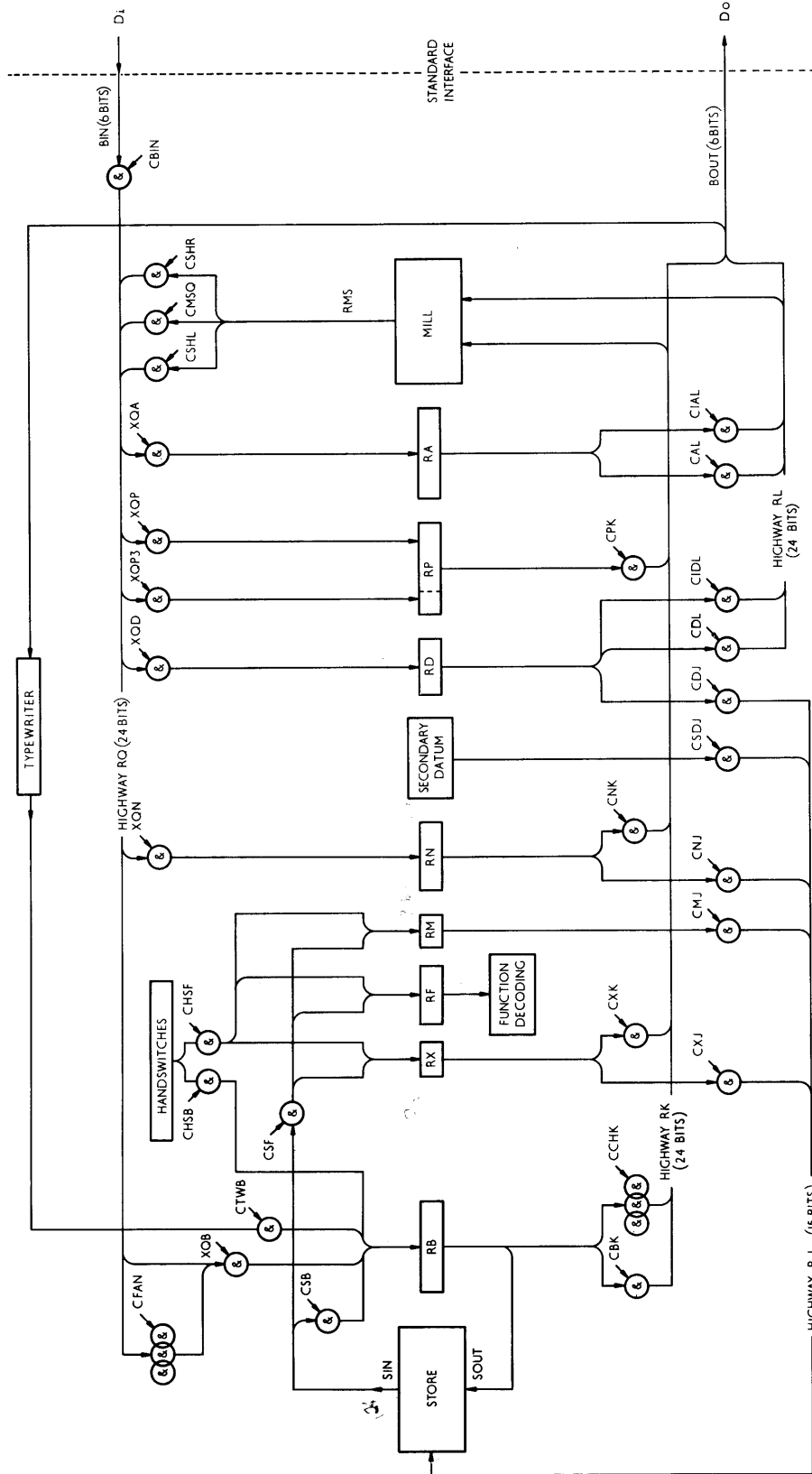
BLOCK SCHEMATIC I902/3 COMPUTER

CHANGES

ISS.

10 REDRAWN 8517

12-65



NOTE: BRICK SOURCES SUCH AS 2814/37, THE ASTERISK DENOTES THAT 37 APPLIES TO THE PIN No AND NOT THE MONITORING POINT ON THE BRICK.



LOGIC DIAGRAM

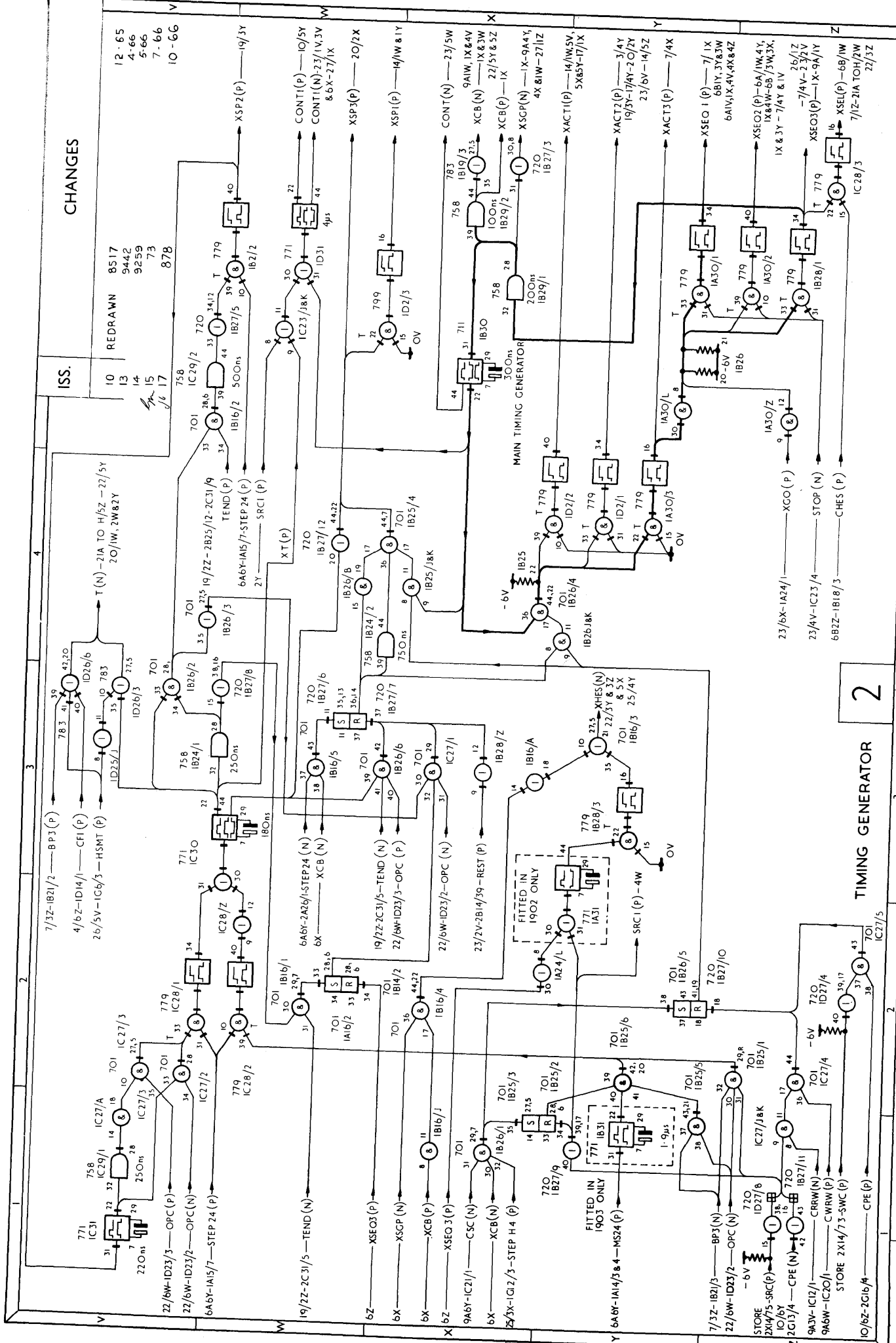
5006471 / 10

ISSUE SHEET

ISSUE SHEET

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ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.



LOGIC DIAGRAM

5006471 / 17 2

DIAGRAM

ISSUE SHEET

ISSUE SHEET

ISSUE SHEET

SHEET	1	2	3	4	5	6
ISSUE	1	2	3	4	5	6

891
 ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.

CHANGES

ISS.

10-GG

676

16

77th

701 ID18/2

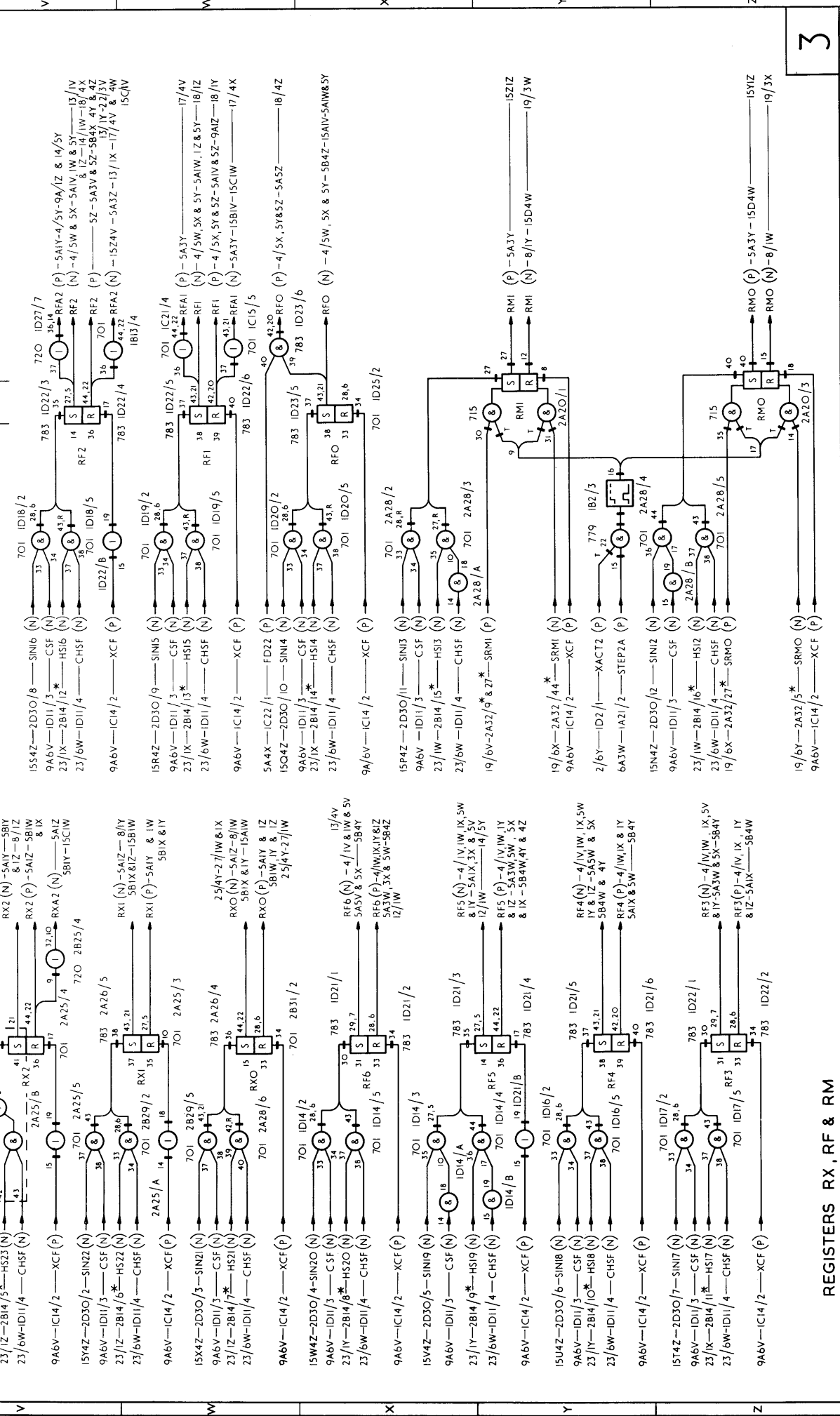
783 ID22/3

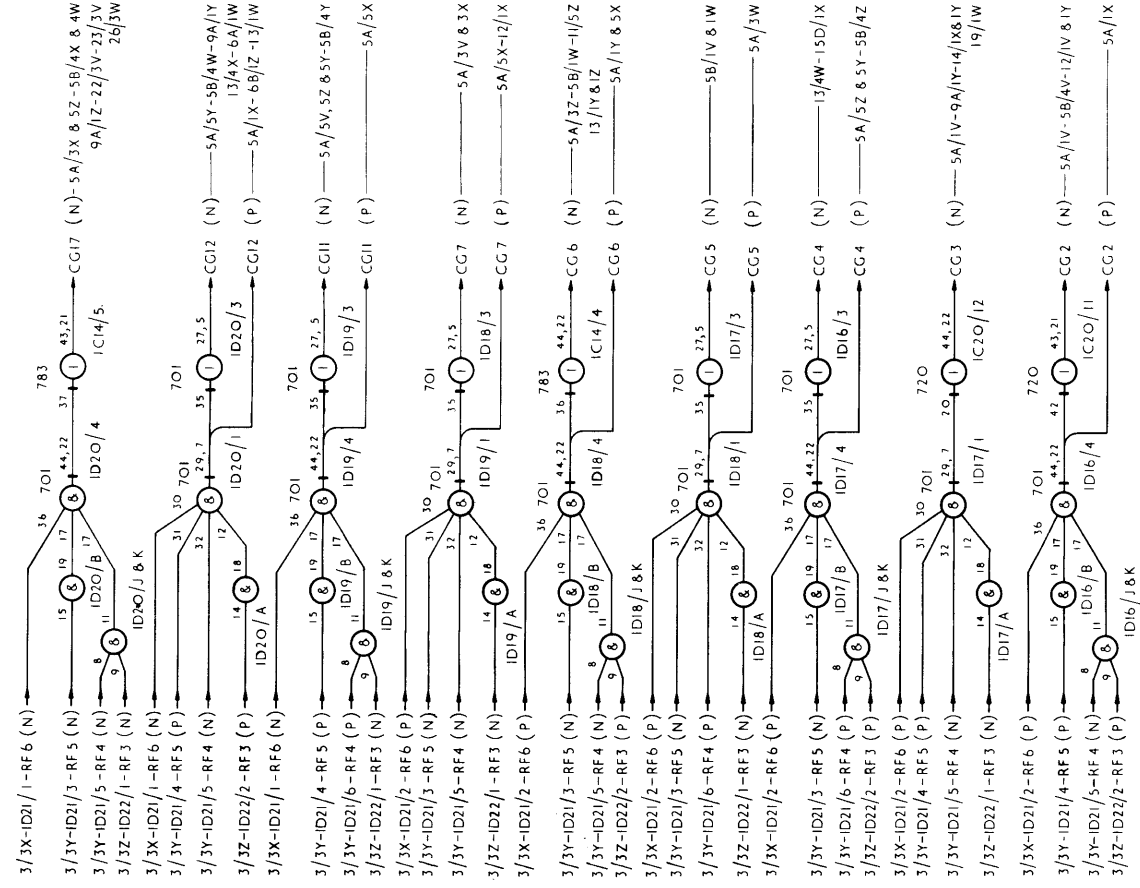
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783 ID22/5

701 ID20/2

783 ID23/5

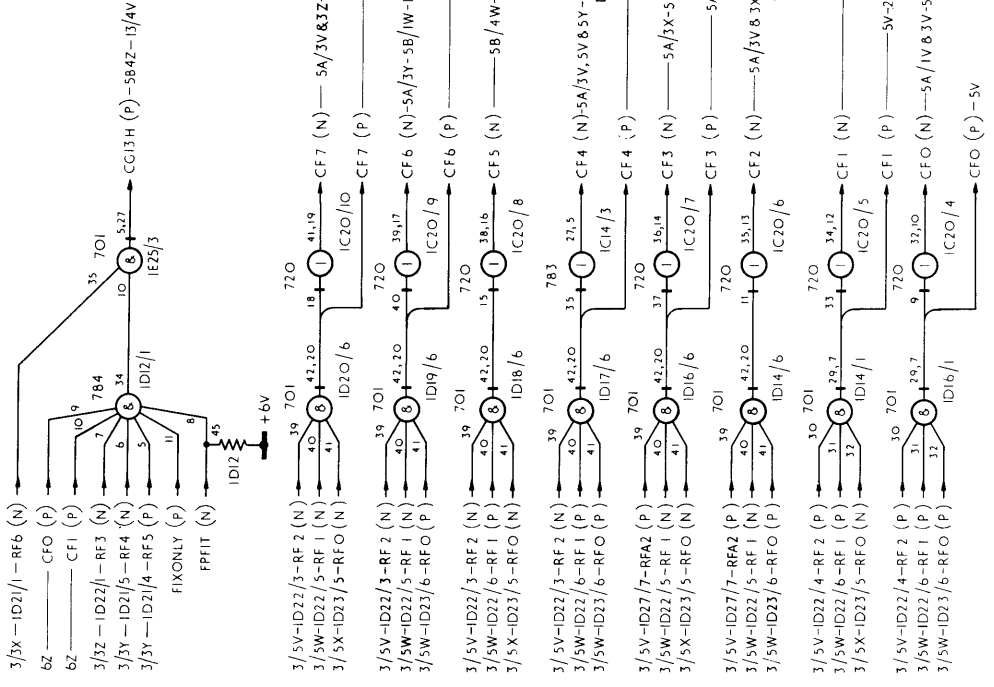




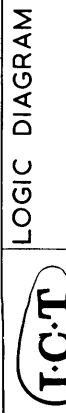
CHANGES

ISS.

676 10-66



FUNCTION OCTAL DECODERS



LOGIC DIAGRAM 5006471 / 16 4

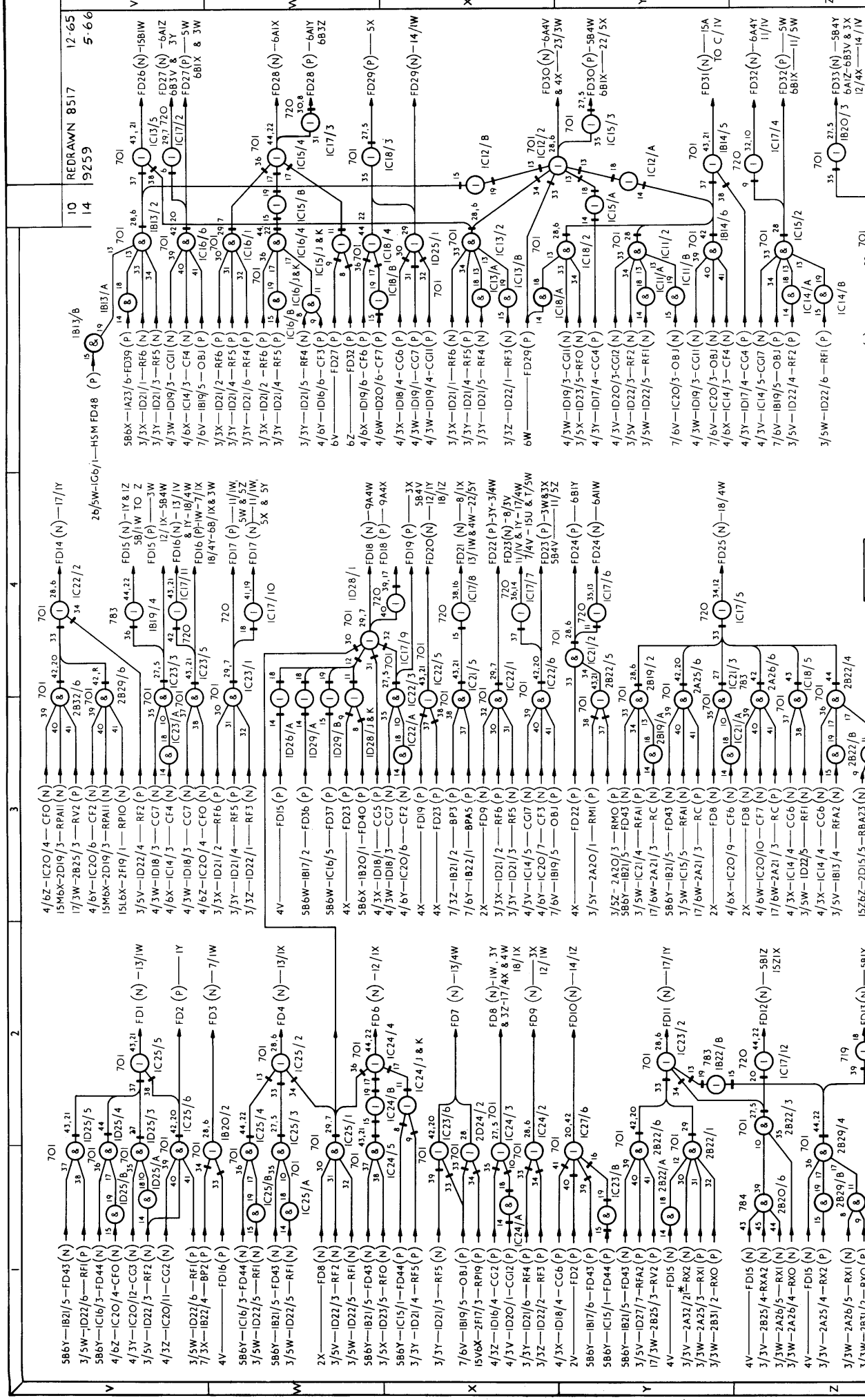
DIAGRAM SHEET

ISSUE CAT

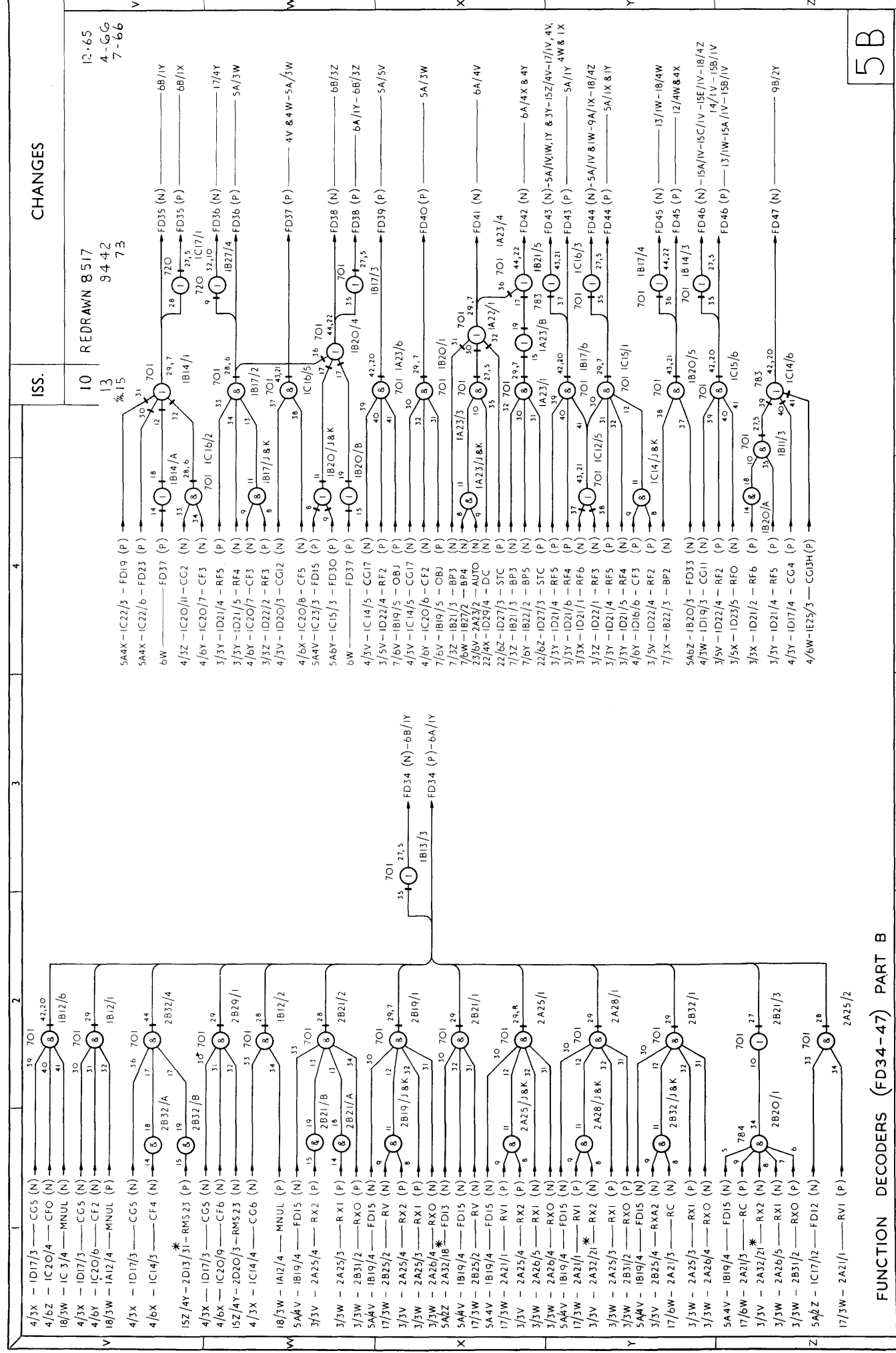
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SHEET																														
ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.																														

FUNCTION DECODERS (PART A) (FDI - FD33)

5A



REDRAWN 8517 12-65
9259 5-66



FUNCTION DECODERS (FD34-47) PART B

5006471/15 6

LOGIC DIAGRAM DIAGRAM

ISSUE SHEET

ISSUE CAT

ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.

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8991

CHANGES

ISS. 10 REDRAWN 8 517 12-65
13 94 42 4-66
15 73 7-66

5B



LOGIC DIAGRAM

5006471 / 19

ISSUE SHEET

D CAT

ISSUE

SHEET 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

ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.

91310E

DRAWN BY INGRAM

DATE 13-8-65

NOTES

6A

SEQUENCE REGISTER (PART A)

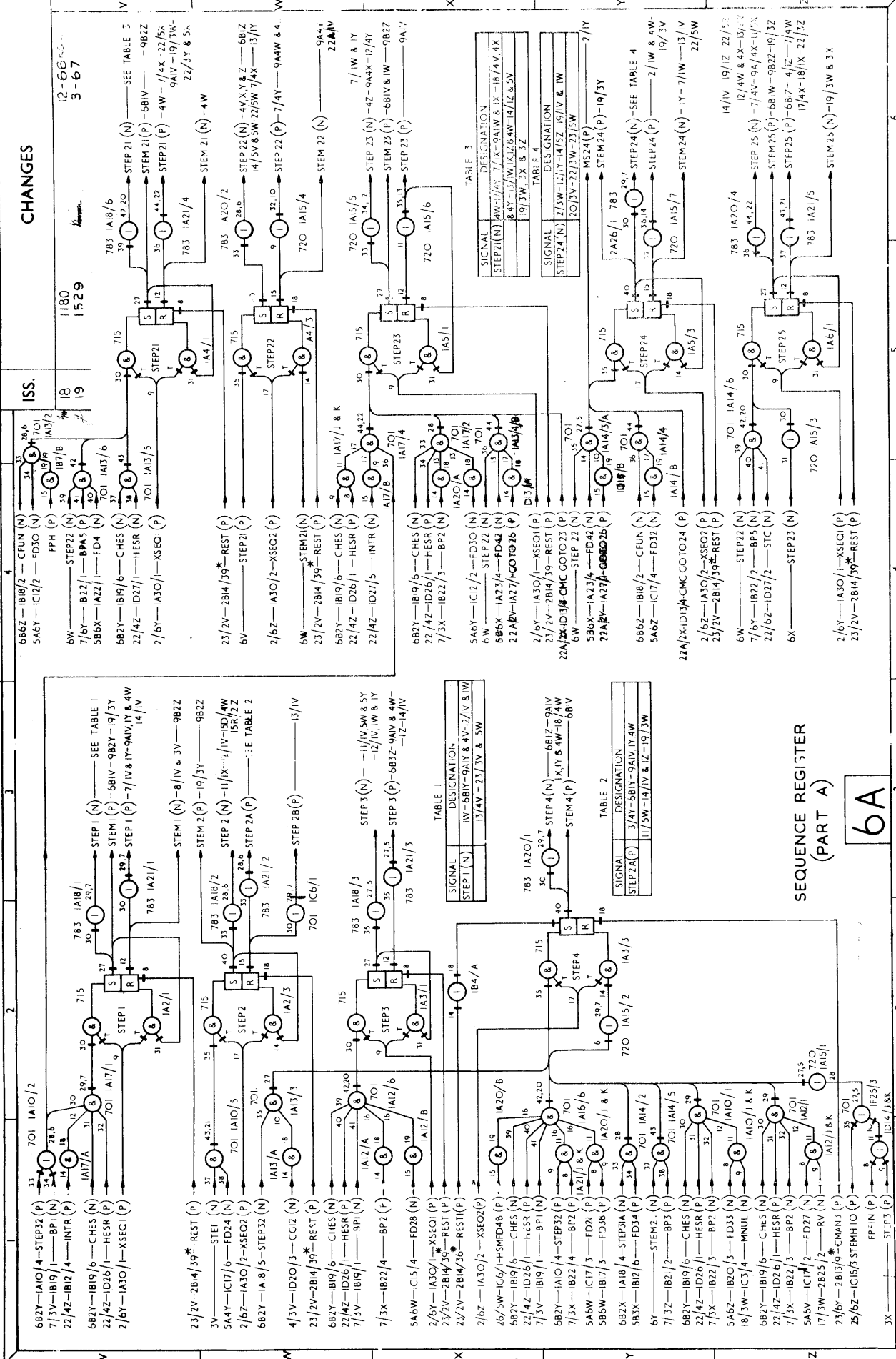


TABLE 1

SIGNAL	DESIGNATION
STEP 1 (N)	1W-6B1X-9A18 & 4V-12/IV & 1W
STEP 2 (N)	13/AV-23/3V & 5W

TABLE 2

SIGNAL	DESIGNATION
STEP 2A (P)	3/AY-6B1X-9A1V, 1Y, 4W
STEP 4 (P)	11/5W-19/IV & 1Z-19/3W

TABLE 3

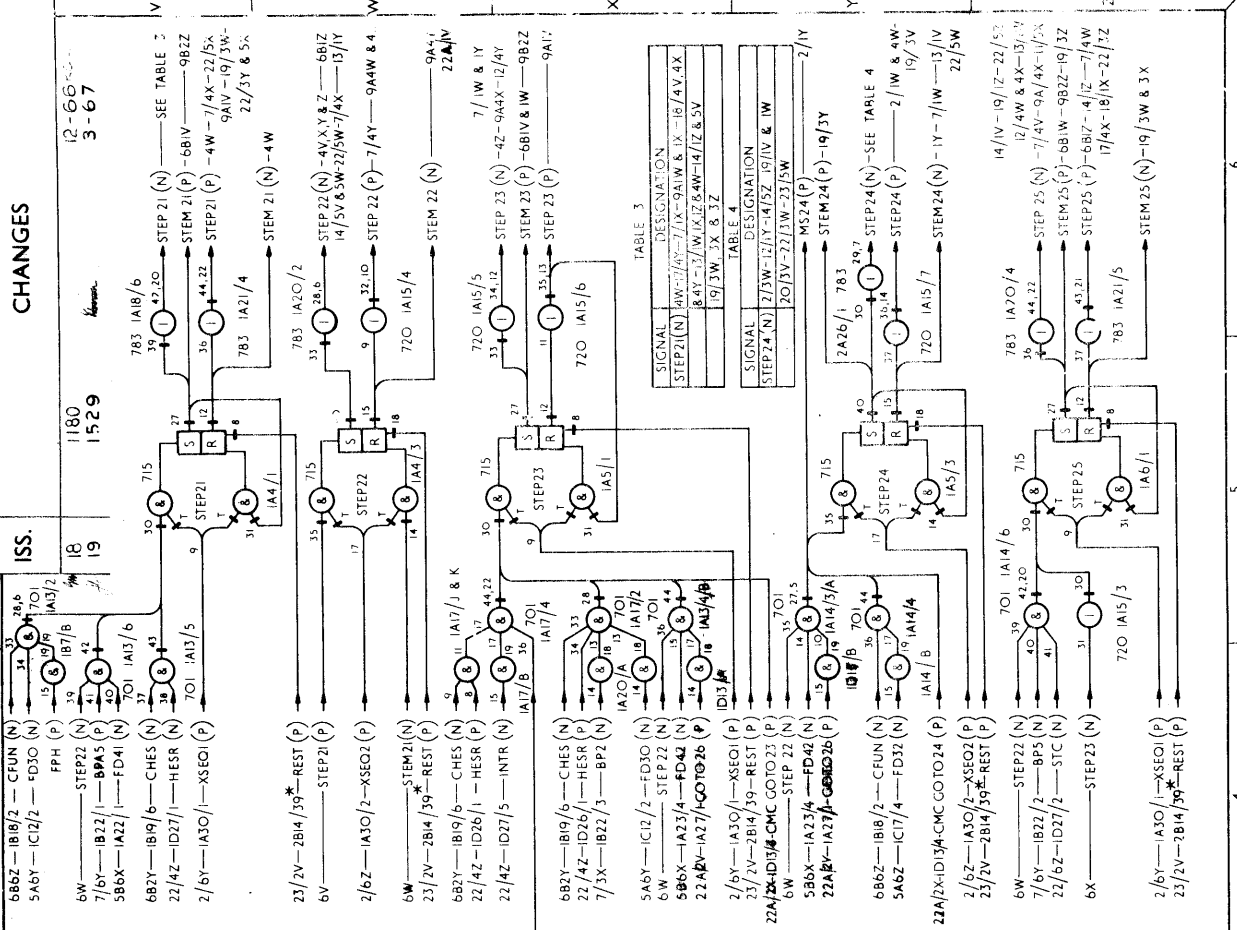
SIGNAL	DESIGNATION
STEP 21 (N)	14W-21/6V-71X-9A1W & 1X-18/4V, 4X
STEP 22 (N)	8AY-13/1W, 1Z, 6W-14/1Z & 5W
STEP 23 (N)	19/3W, 3X & 3Z

TABLE 4

SIGNAL	DESIGNATION
STEP 24 (N)	21/3W-12/1Y-14/5Z, 19/1V & 1W
STEP 24 (P)	20/3V-22/3W-23/5W
STEP 24 (N)	M524 (P)

CHANGES

ISS.



12-66
3-67

1180
1529

18
19

180
1529

180
1529

180
1529

180
1529

180
1529

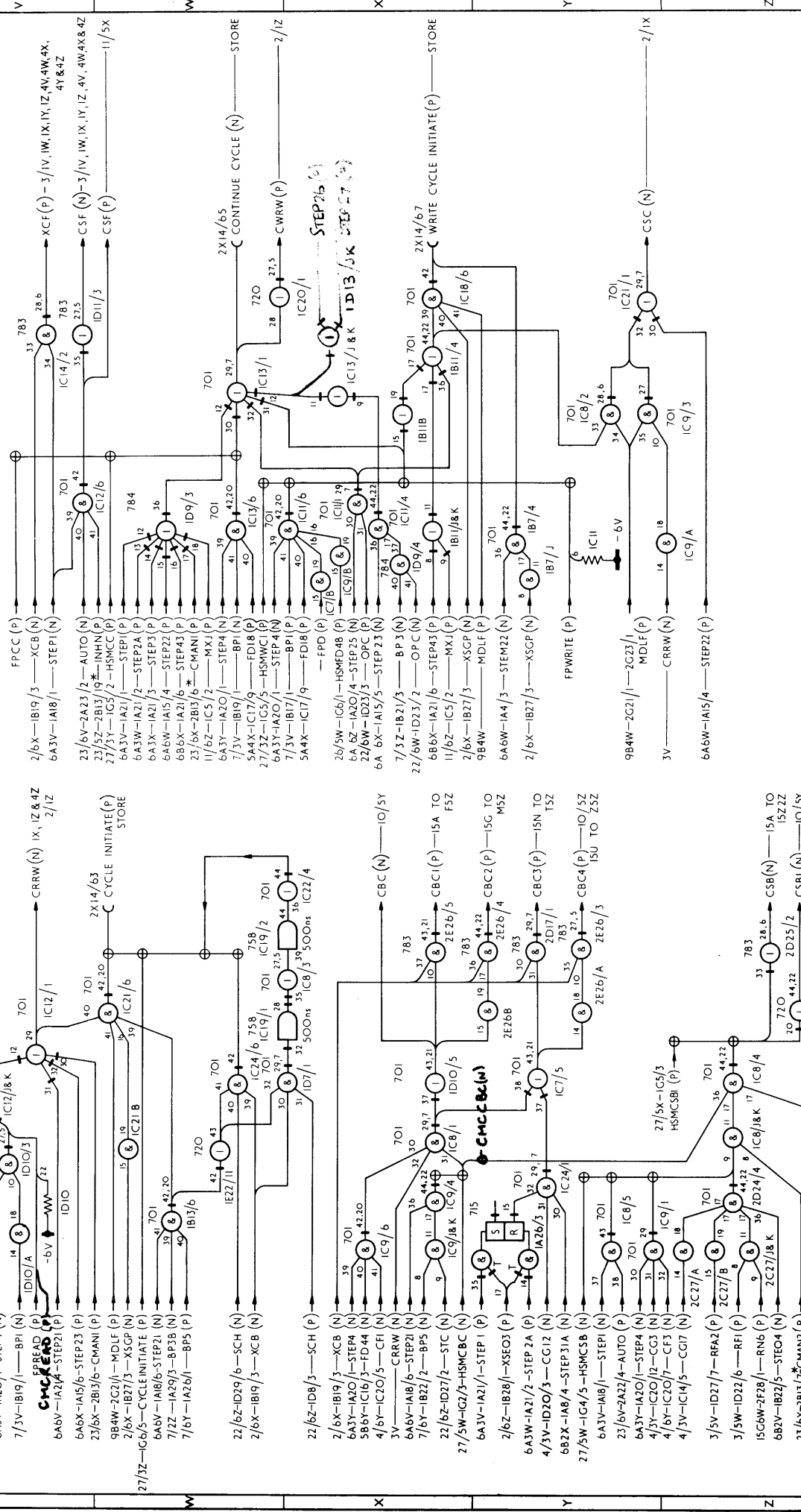
180
1529

CHANGES

ISS.

10-66	16
10-66	17

9m
9m



CONTROLS TO STORE
(PART A)

9A

	<p>LOGIC DIAGRAM</p>	<p>5006471</p>	<p>19</p>	<p>11</p>	<p>ISSUE SHEET</p>
	<p>DIAGRAM</p>	<p>ISSUE</p>	<p>CAT. D</p>	<p>ISSUE</p>	<p>CONTROLS TO STORE (PART A)</p>
	<p>DIAGRAM</p>	<p>ISSUE SHEET</p>	<p>ISSUE</p>	<p>ISSUE</p>	<p>ISSUE</p>

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ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.

891

CHANGES

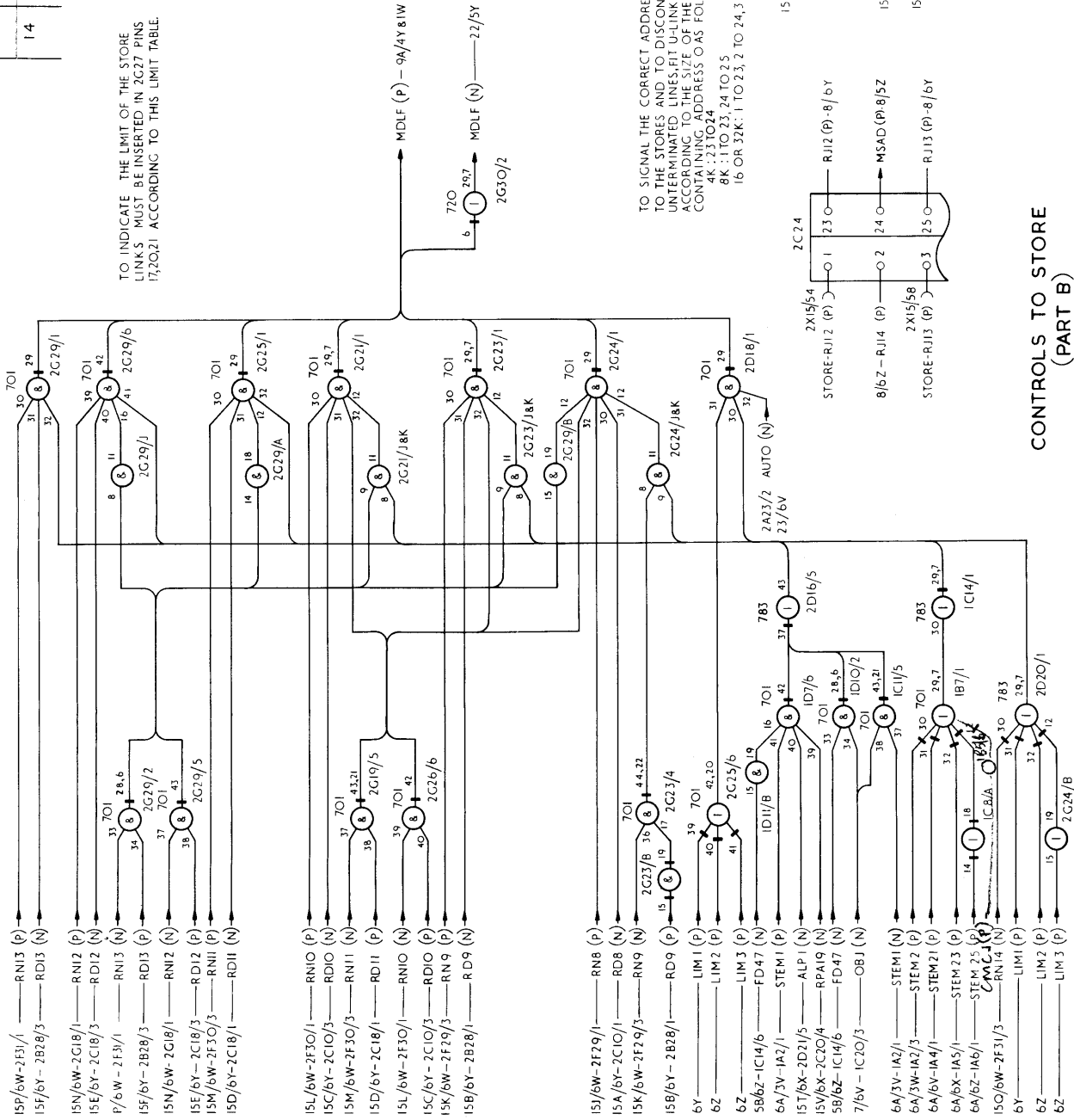
ISS.

9259 14

LIMIT TABLE

LIMIT	17	20	21
4K	→	→	→
8K	NO	→	→
16K	NO	NO	→
32K	NO	NO	NO

TO INDICATE THE LIMIT OF THE STORE LINKS MUST BE INSERTED IN 2G27 PINS 17,20,21 ACCORDING TO THIS LIMIT TABLE.



CONTROLS TO STORE (PART B)

LOGIC DIAGRAM 5006471 / 14 12 SHEET

ISSUE SHEET 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

ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.

ISSUE SHEET 14 12

CAT. D

9 B

8391

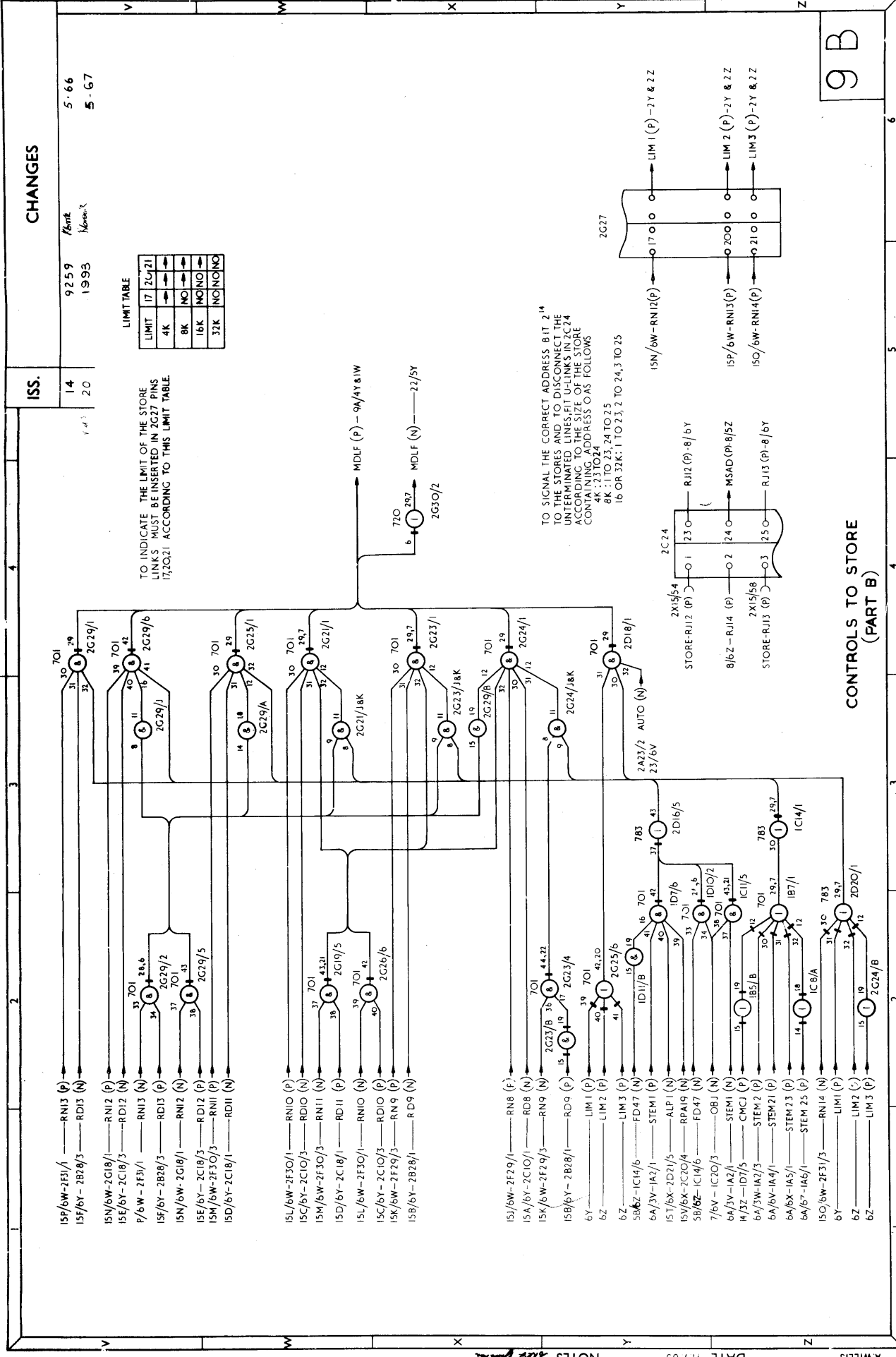
I.C.T. LOGIC DIAGRAM 5006471 / 20 ISSUE SHEET 12 CAT. D SHEET 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

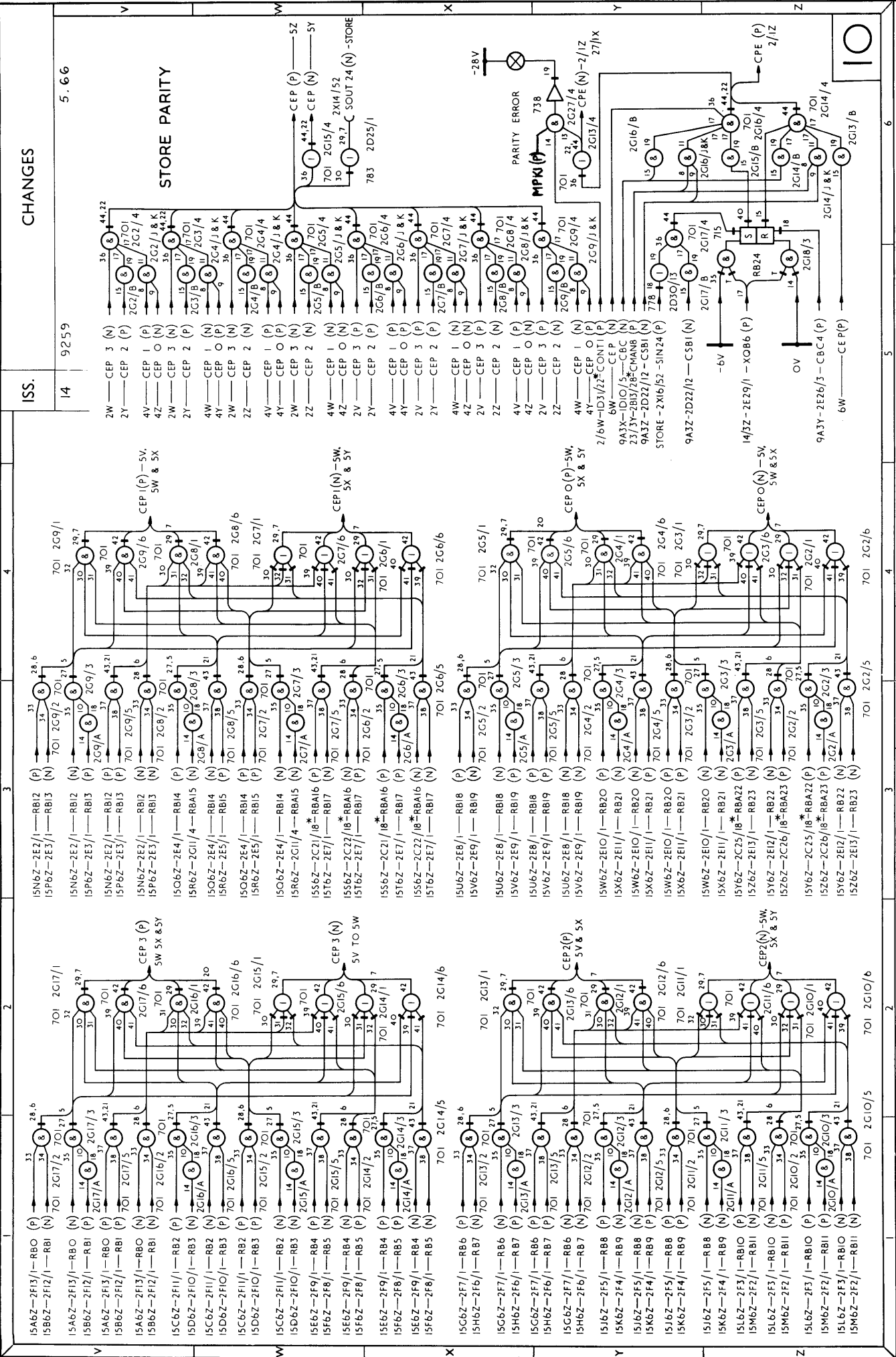
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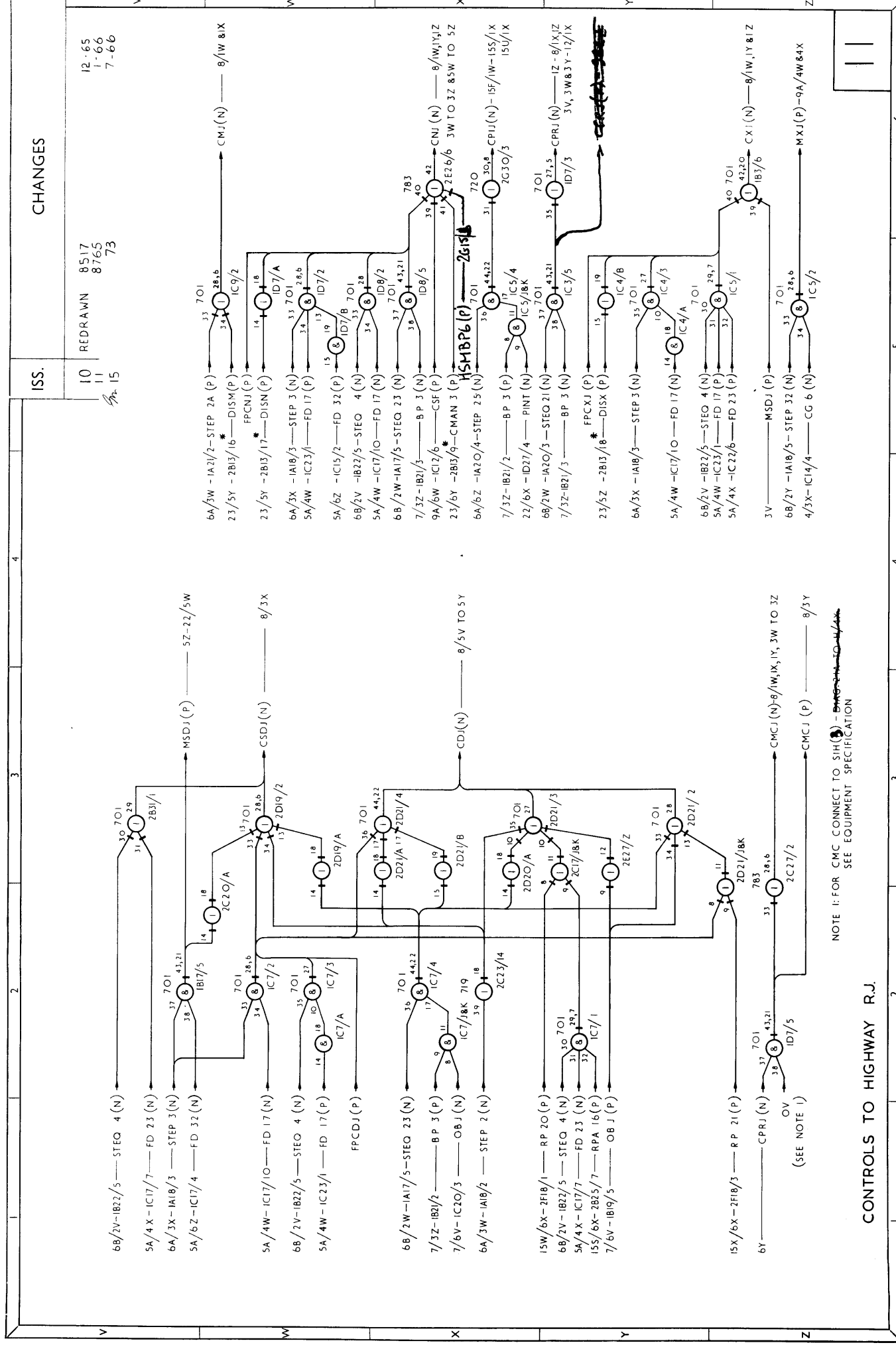
DRAWN BY A WILLIS

DATE 217 65

NOTES







CONTROLS TO HIGHWAY R.J.

NOTE 1: FOR CMC CONNECT TO SH(3) - ~~DISM~~ TO ~~DISM~~

SEE EQUIPMENT SPECIFICATION

LOGIC DIAGRAM

5006471/18

DIAGRAM

ISSUE

14

SHEET

CAT.

D

SHEET

ISSUE

18

SHEET

ISS.

10 REDRAWN 8517
11 8765
15 73

CHANGES

12-65
1-66
7-66

6

LOGIC DIAGRAM

5006471/18

ISSUE

SHEET

LOGIC DIAGRAM

5006471/18

ISSUE

SHEET

LOGIC DIAGRAM

5006471/18

ISSUE

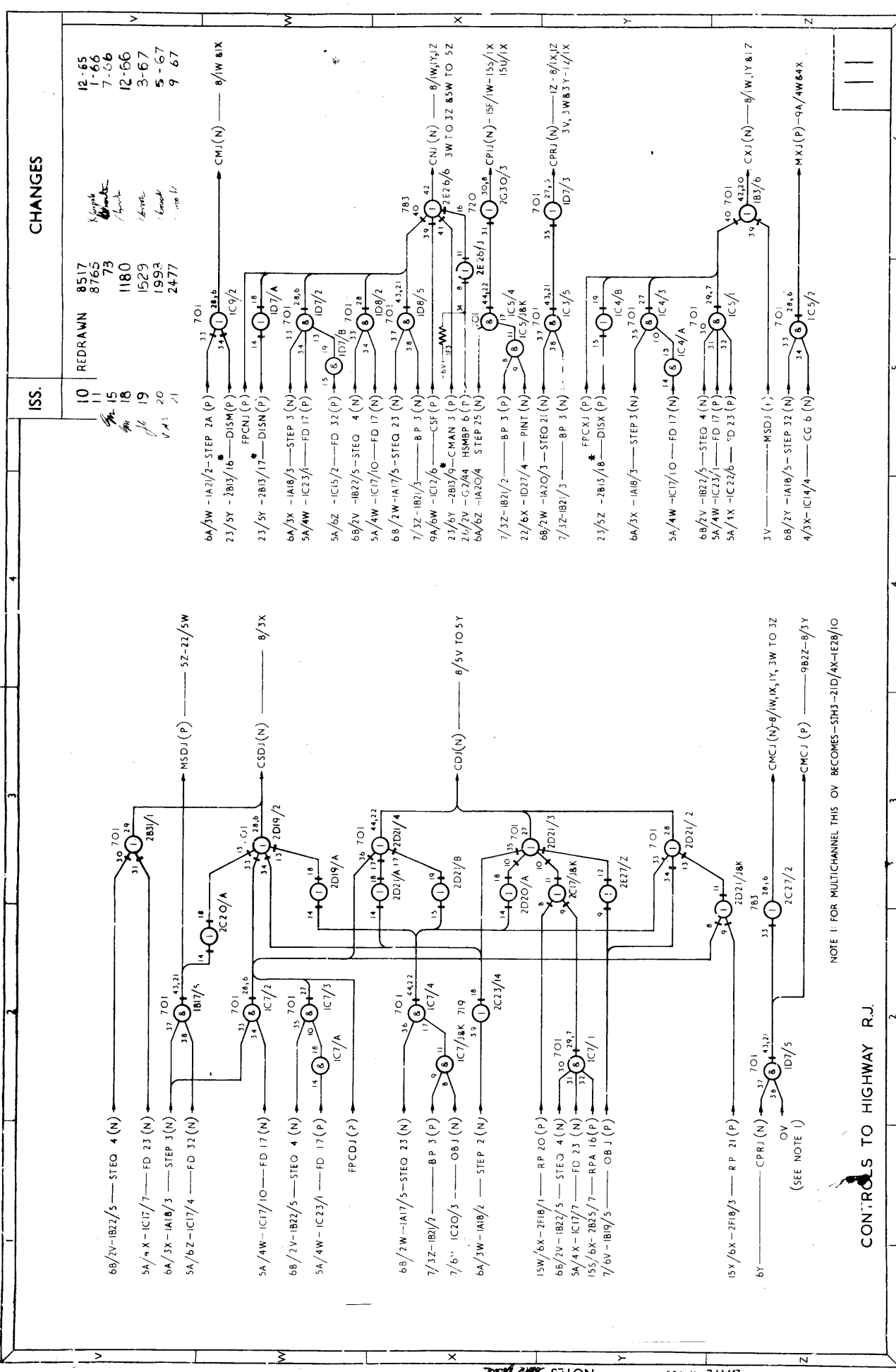
SHEET

LOGIC DIAGRAM

5006471/18

ISSUE

SHEET



CHANGES

ISS.

10	REDRAWN	8517	
11		8765	
15		73	
18		1180	
19		1529	
20		1993	
21		2477	

6A/3W - IB8/2 - STEP 2 (N)	33 TOI	34	1	28.6	IC9/2	CMJ(N)	8/W 8IX
23/5Y - IB13/16 - DISM(P)	14	1	18		ID7/A		
23/5Y - IB13/17 - DISN(P)	14	1	18		ID7/B		
6A/3X - IB8/3 - STEP 3 (N)	33 TOI	34	8	28.6			
5A/4W - IC23/1 - FD 17 (P)	14	1	18		ID7/2		
5A/6Z - IC15/2 - FD 32 (P)	15	10	13				
6B/2V - IB22/5 - STEQ 4 (N)	33 TOI	34	8	28.6			
5A/4W - IC17/10 - FD 17 (N)	33 TOI	34	8	28.6			
6B/2W - IA17/5 - STEQ 23 (N)	37 TOI	38	8	43.21			
7/3Z - IB21/3 - B P 3 (N)	30	10	42				
9A/6W - IC12/6 - CSF(P)	41	2	2E26/6				
23/6Y - IB5/8 - CMAN 3 (P)	30	10	42				
21/2V - G2/44 - HMBP 6 (P)	16						
6A/6Z - IA20/4 - STEP 25 (N)	30	10	42				
7/3Z - IB21/2 - B P 3 (P)	30	10	42				
22/6X - ID27/4 - PINT (N)	37 TOI	38	8	43.21			
6B/2W - IA20/3 - STEQ 21 (N)	37 TOI	38	8	43.21			
7/3Z - IB21/3 - B P 3 (N)	30	10	42				
23/5Z - IB13/16 - DISX(P)	15	19					
6A/3X - IB8/3 - STEP 3 (N)	33 TOI	34	8	28.6			
5A/4W - IC17/10 - FD 17 (N)	33 TOI	34	8	28.6			
6B/2V - IB22/5 - STEQ 4 (N)	33 TOI	34	8	28.6			
5A/4W - IC23/1 - FD 17 (P)	33 TOI	34	8	28.6			
5A/1X - IC22/6 - D 23 (P)	32						
3V							
6B/2Y - IB8/5 - STEP 32 (N)	33 TOI	34	8	28.6			
4/3X - IC14/4 - CG 6 (N)	15	19					

68/2V - IB22/5 - STEQ 4 (N)	30 TOI	31	28				
5A/4X - IC17/7 - FD 23 (N)	37 TOI	38	43.21				
6A/3X - IB8/3 - STEP 3 (N)	33 TOI	34	8	28.6			
5A/6Z - IC17/4 - FD 32 (N)	14	1	18				
5A/4W - IC17/10 - FD 17 (N)	33 TOI	34	8	28.6			
6B/2V - IB22/5 - STEQ 4 (N)	33 TOI	34	8	28.6			
5A/4W - IC23/1 - FD 17 (P)	33 TOI	34	8	28.6			
FPCDJ (P)							
6B/2W - IA17/5 - STEQ 23 (N)	37 TOI	38	43.21				
7/3Z - IB21/2 - B P 3 (P)	30	10	42				
7/6V - IC20/3 - OB J (N)	17	11	17				
6A/3W - IB8/2 - STEP 2 (N)	30	10	42				
15W/6X - IB18/1 - RP 20 (P)	30	10	42				
6B/2V - IB22/5 - STEQ 4 (N)	33 TOI	34	8	28.6			
5A/4X - IC17/7 - FD 23 (N)	37 TOI	38	43.21				
15S/6X - IB25/7 - RPA 16 (P)	33						
7/6V - IB8/5 - OB J (P)	9	12					
15Y/6X - IB18/3 - RP 21 (P)	30	10	42				
6Y							

NOTE 1: FOR MULTICHANNEL THIS OV BECOMES -SIH3-2ID/4X-IE2B/10

CONTROLS TO HIGHWAY R.J.

I.C.T.

LOGIC DIAGRAM 5006471 / 21 14

DIAGRAM SHEET

ISSUE SHEET

CAT. D

ISSUE SHEET

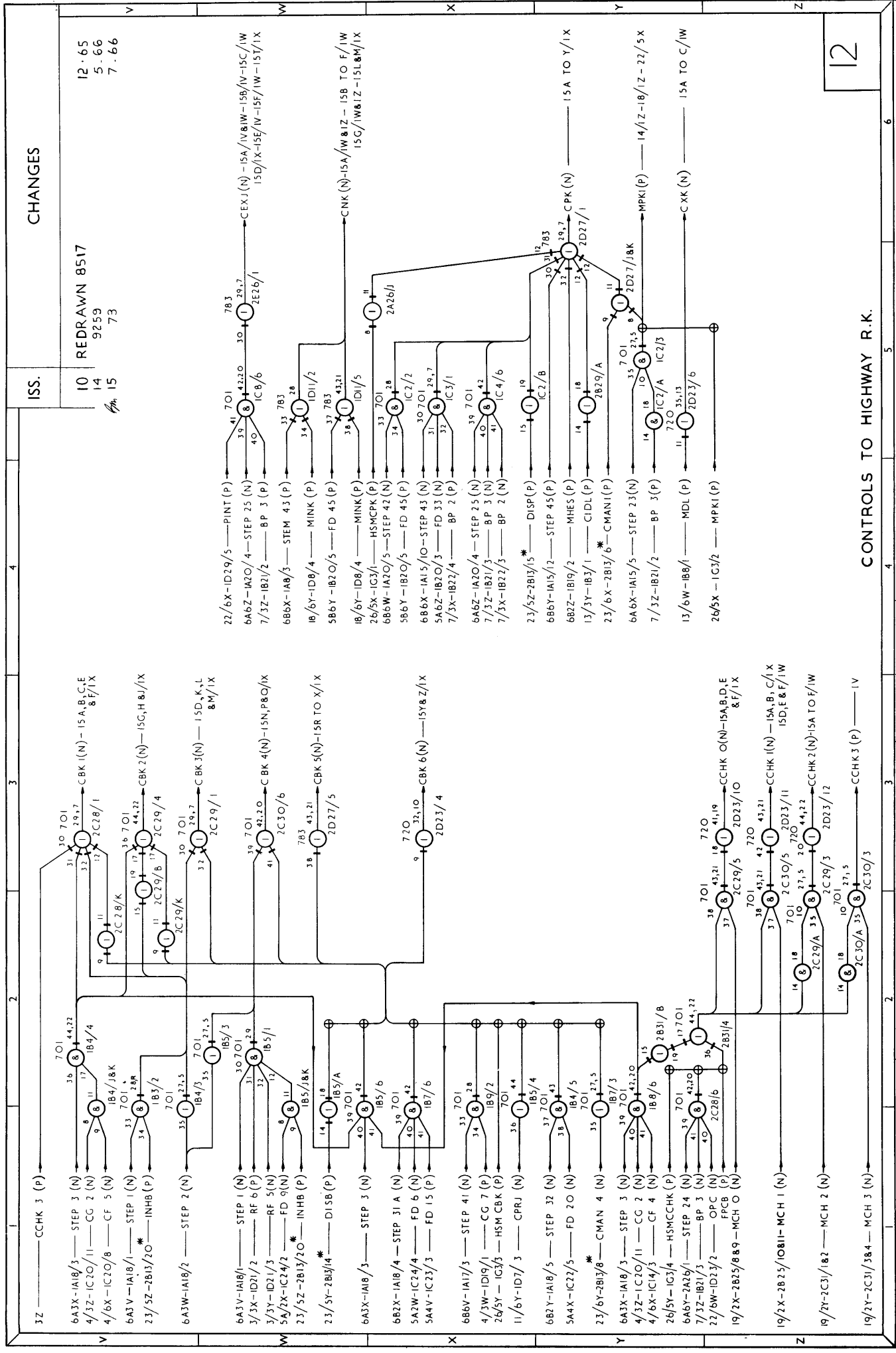
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18	19	20	21	22	23
24	25	26	27	28	29
30					

DATE 4.7.65

DRAWN BY SA CCOOPER

NOTES



CHANGES

ISS.

10 REDRAWN 8517
14 9259
15 73

12.65
5.66
7.66

CONTROLS TO HIGHWAY R.K.



LOGIC DIAGRAM

5006471/15

DIAGRAM

ISSUE SHEET

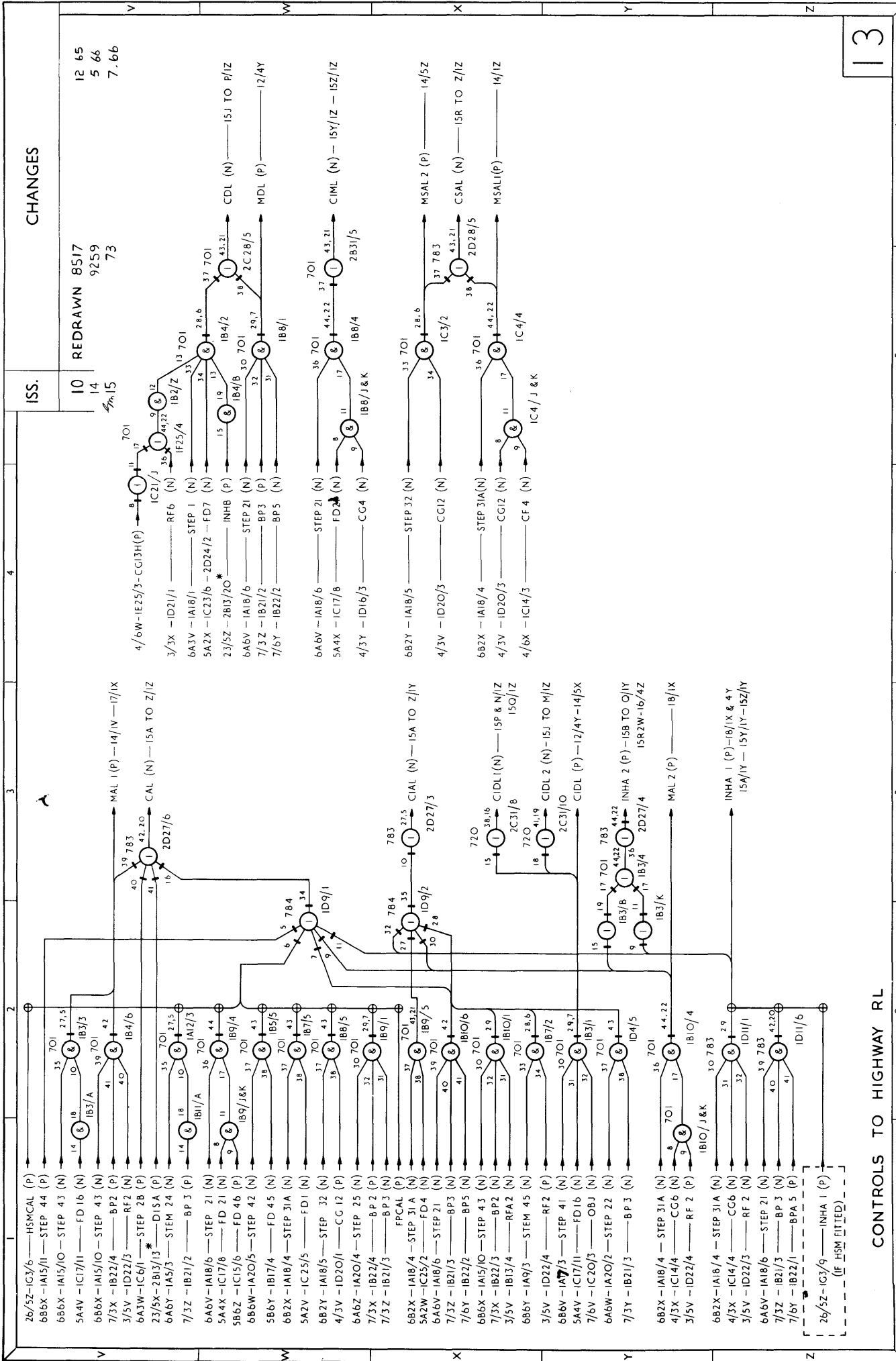
D

CAT.

ISSUE

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8391



LOGIC DIAGRAM

5006471/19

DIAGRAM

ISSUE

SHEET 16

ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.

CONTROLS TO HIGHWAY RL

6891

LOGIC DIAGRAM

5006471/19

DIAGRAM

ISSUE

SHEET 16

ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.

CONTROLS TO HIGHWAY RL

6891

LOGIC DIAGRAM

5006471/19

DIAGRAM

ISSUE

SHEET 16

ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.

CONTROLS TO HIGHWAY RL

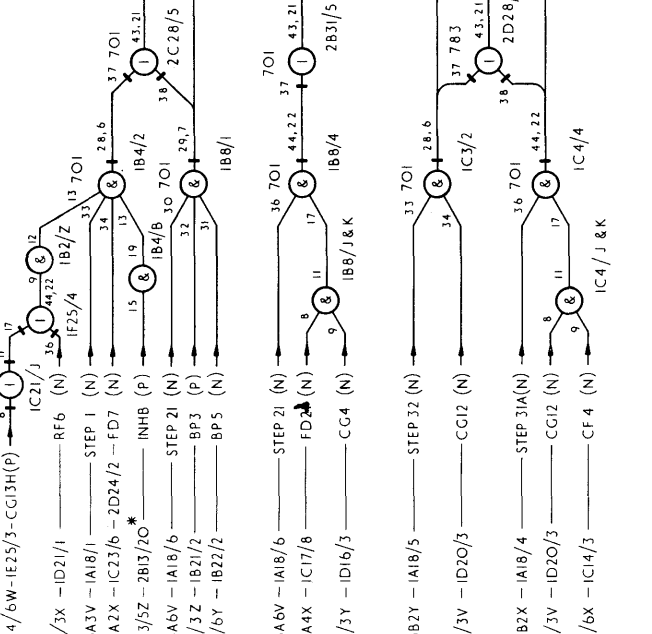
6891

13

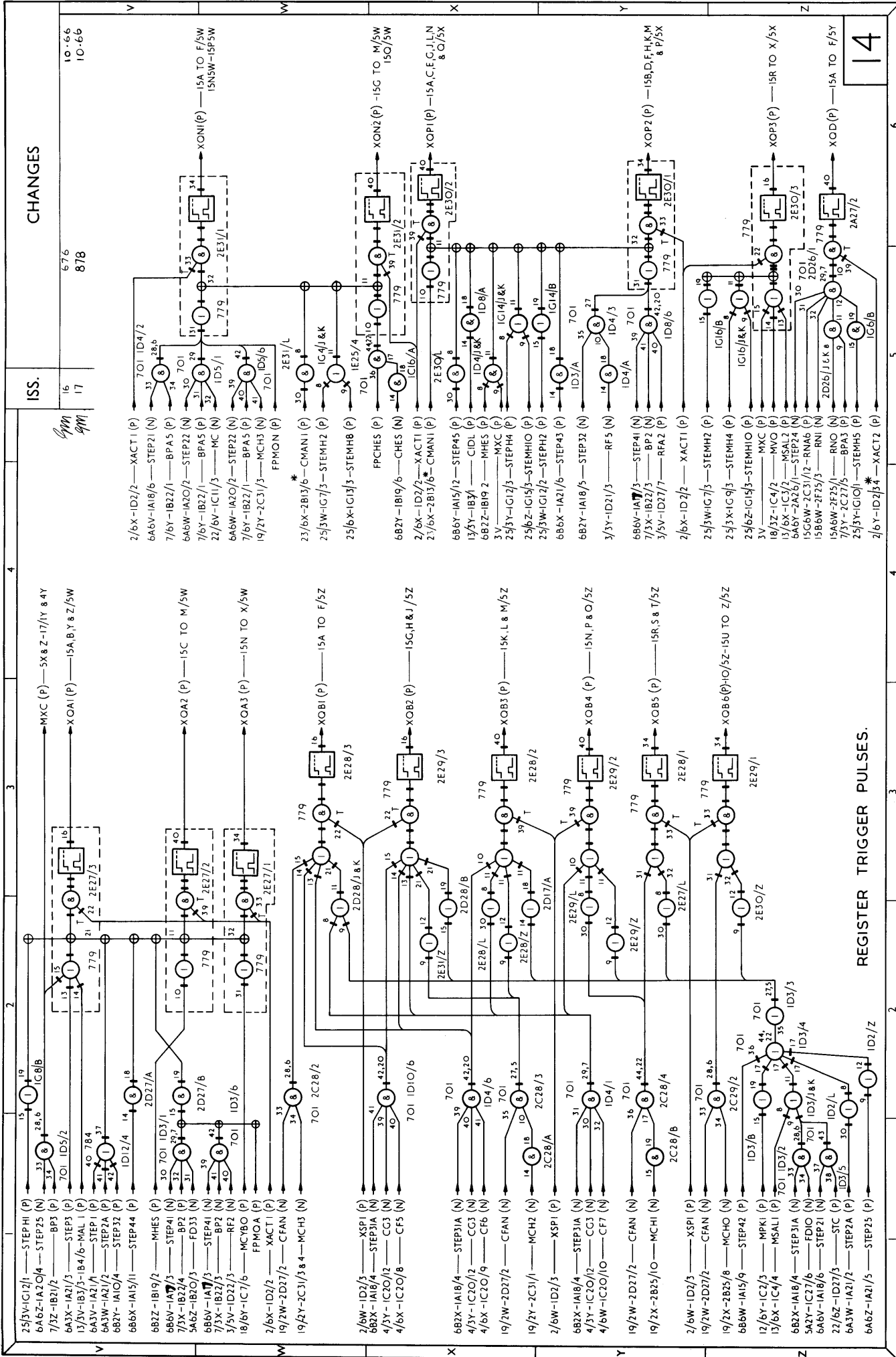
CHANGES

ISS. 10
14
15

REDRAWN 8517
9259
73



ISSUE	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																		
SHEET	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																		
ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.																			



CHANGES

ISS.

4

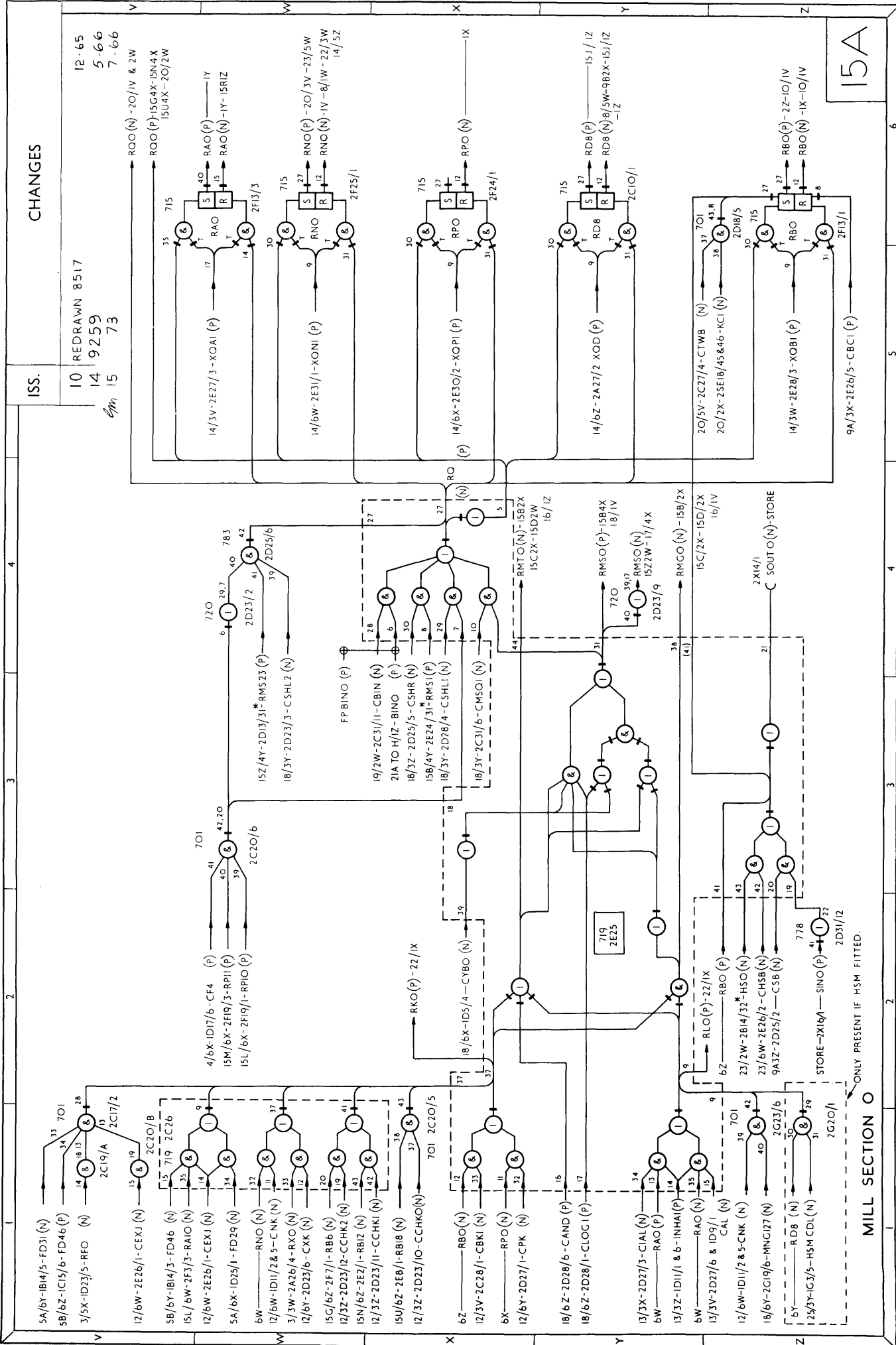
3

2

1

10-66
10-66

- 253V-IG12/1 - STEP1 (P)
- 6A6Z-IA20/4 - STEP25 (N)
- 7/3Z-IB2/2 - BP3 (P)
- 6A3X-IB2/3 - STEP3 (P)
- 13/3V-IB3/5 - IB4/6-MAL1 (P)
- 6A3V-IA21/1 - STEP1 (P)
- 6A3W-IA21/2 - STEP2A (P)
- 6B2Y-IA10/4 - STEP32 (P)
- 6B6X-IA15/1 - STEP44 (P)
- 6B2Z-IB19/2 - MHES (P)
- 6B6V-IA7/3 - STEP41 (N)
- 7/3X-IB22/4 - BP2 (P)
- 5A6Z-IB20/3 - FD33 (N)
- 6B6V-IA17/3 - STEP41 (N)
- 7/3X-IB22/3 - BP2 (N)
- 3/SV-ID22/3 - REF2 (N)
- 18/6Y-IC7/6 - MC7B0 (P)
- 7/6Y-ID2/2 - XACT1 (P)
- 19/2W-2D27/2 - CFAN (N)
- 19/2Y-2C31/3 & 4 - MCH3 (N)
- 2/6W-ID2/3 - XSP1 (P)
- 6B2X-IA18/4 - STEP31A (N)
- 4/3Y-IC20/2 - CG3 (N)
- 4/6X-IC20/9 - CF6 (N)
- 4/6X-IC20/8 - CF5 (N)
- 6B2X-IA18/4 - STEP31A (N)
- 4/3Y-IC20/2 - CG3 (N)
- 4/6X-IC20/9 - CF6 (N)
- 19/2W-2D27/2 - CFAN (N)
- 19/2Y-2C31/1 - MCH2 (N)
- 2/6W-ID2/3 - XSP1 (P)
- 6B2X-IA18/4 - STEP31A (N)
- 4/3Y-IC20/2 - CG3 (N)
- 4/6X-IC20/9 - CF6 (N)
- 19/2W-2D27/2 - CFAN (N)
- 19/2Y-2C31/1 - MCH2 (N)
- 2/6W-ID2/3 - XSP1 (P)
- 12/6Y-IC2/3 - MPK1 (P)
- 13/6X-IC4/4 - MSAL1 (P)
- 6B2X-IA18/4 - STEP31A (N)
- 5A2Y-IC27/6 - FDIO (N)
- 6A6V-IA18/6 - STEP21 (N)
- 22/6Z-ID27/5 - STC (P)
- 6A3W-IA21/2 - STEP2A (P)
- 6A6Z-IA21/5 - STEP25 (P)
- 2/6X-ID2/2 - XACT1 (P)
- 6A6V-IA18/6 - STEP21 (N)
- 7/6Y-IB2/1 - BPA5 (P)
- 22/6Y-IB21/3 - MC (N)
- 6A6W-IA20/2 - STEP22 (N)
- 7/6Y-IB22/1 - BPA5 (P)
- 19/2Y-2C31/3 - MCH3 (N)
- 19/2Y-2C31/3 - FPMON (P)
- 23/6X-2B13/6 - CMANI (P)
- 25/3W-IG7/3 - STEMH2 (P)
- 25/6X-IG13/3 - STEMH8 (P)
- 6B2Y-IB19/6 - CHES (N)
- 2/6X-ID2/2 - XACT1 (P)
- 2/6X-2B13/6 - CMANI (P)
- 6B2Y-IB19/6 - CHES (N)
- 13/3Y-IB3/1 - CIDL (P)
- 6B2Z-IB19/2 - MHES (P)
- 3V - MXC (P)
- 25/3Y-IG12/3 - STEP44 (P)
- 25/6Z-IG15/3 - STEMHIO (P)
- 25/3W-IG12/2 - STEP43 (P)
- 6B6X-IA21/6 - STEP43 (P)
- 6B2Y-IA18/5 - STEP32 (N)
- 3/3Y-ID21/3 - RF5 (N)
- 6B6V-IA7/3 - STEP41 (N)
- 7/3X-IB22/3 - BP2 (N)
- 3/SV-ID27/7 - RFA2 (N)
- 2/6X-ID2/2 - XACT1 (P)
- 25/3W-IG7/3 - STEMH2 (P)
- 25/6Z-IG15/3 - STEMHIO (P)
- 3V - MXC (P)
- 18/3Z-IC4/2 - MVO (P)
- 13/6X-IC3/2 - MSAL2 (P)
- 6A6Y-2A25/1 - STEP24 (N)
- 15CG6W-2C31/2 - RNA6 (P)
- 15B6W-2F25/3 - RNI (N)
- 15A6W-2F25/1 - RNO (N)
- 7/3Y-2C27/5 - BPA3 (P)
- 25/3Y-IG10/1 - STEMH5 (P)
- 2/6Y-ID2/3 - XACT2 (P)
- XONI (P)
- XONZ (P) - ISG TO M/SW 150/SW
- XOPI (P) - ISG TO M/SW 150/SW
- XOP2 (P) - ISB,D,F,H,K,M & P/SX
- XOP3 (P) - ISR TO X/SX
- XOD (P) - ISG TO F/SY



ISS.

10 REDRAWN 8517
14 9259
Epm 15 73

12-65
5-66
7-66

CHANGES

15A

ISSUE

SHEET 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

ISSUE

CAT. D

SHEET 18

5006471

DIAGRAM

I.C.T.

LOGIC DIAGRAM

MILL SECTION O

ONLY PRESENT IF HSM FITTED.

ISS.

10 REDRAWN 8517
14 9259
15 73

CHANGES

7.66 RO1(N) 20/4V
15H²P&V/4X
20/IV

14/3V-2E27/3-XOAI (P)
RAI (P)
RAI (N)-IY-15SIZ
2FI2/3

14/6W-2E31/1-XONI (P)
RNI (P)-22/3W-23/5W
RNI (N)-IW-8/IY
20/3V-22/IV-14/5Z

14/6Y-2E30/1-XOP2 (P)
RPI (N)
RPI (N)-IX
2F24/3

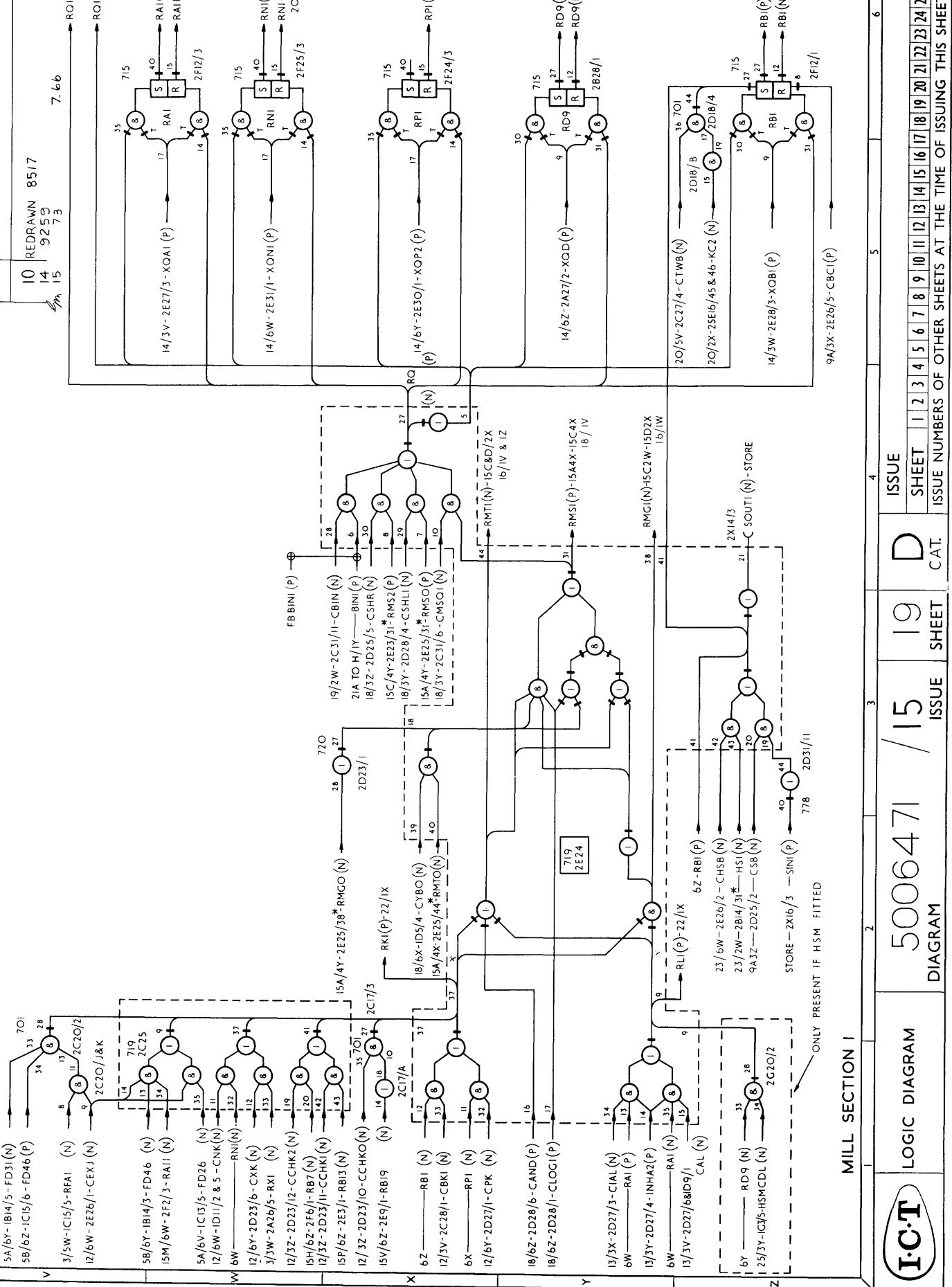
14/6Z-2A27/2-XOD (P)
RD9 (P)-9B2Y-15K/IZ
RD9 (N)-8/5W-9B2X
-IZ-15K/IZ

20/5V-2C27/4-CTWB(N)
20/2X-2SE16/45&46-KC2 (N)
2FI2/4

14/3W-2E28/3-XOBI (P)
RBI (P)-2Z-10/IV
RBI (N)-IX-10/IV
2FI2/1

9A/3X-2E26/5-CBCI (P)

15B



MILL SECTION I

ONLY PRESENT IF HSM FITTED

5006471 / 15

DIAGRAM

ISSUE SHEET

19

D CAT.

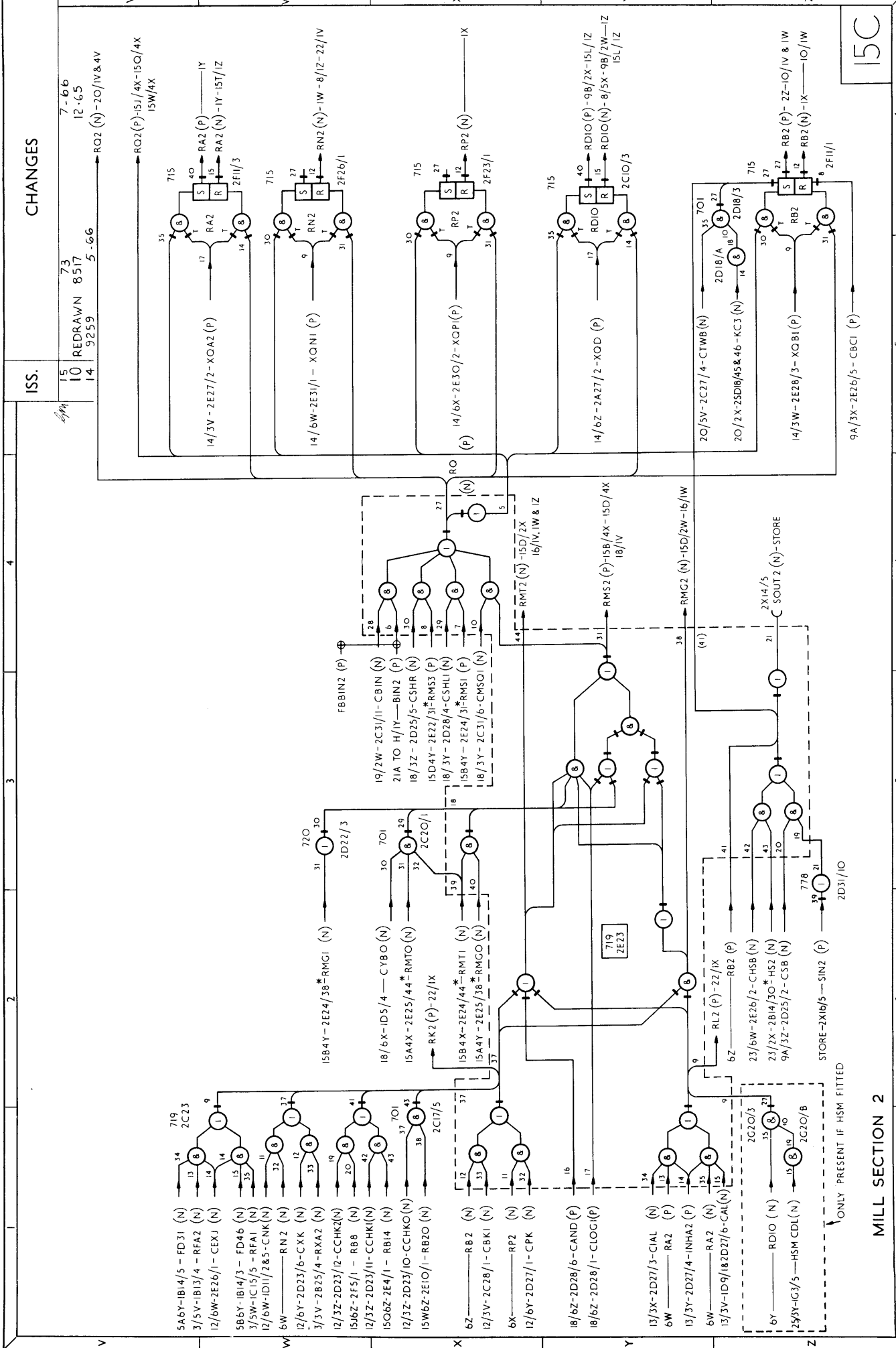
ISSUE

SHEET

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ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.

8891



MILL SECTION 2

5006471

LOGIC DIAGRAM

DIAGRAM

ISSUE **15**

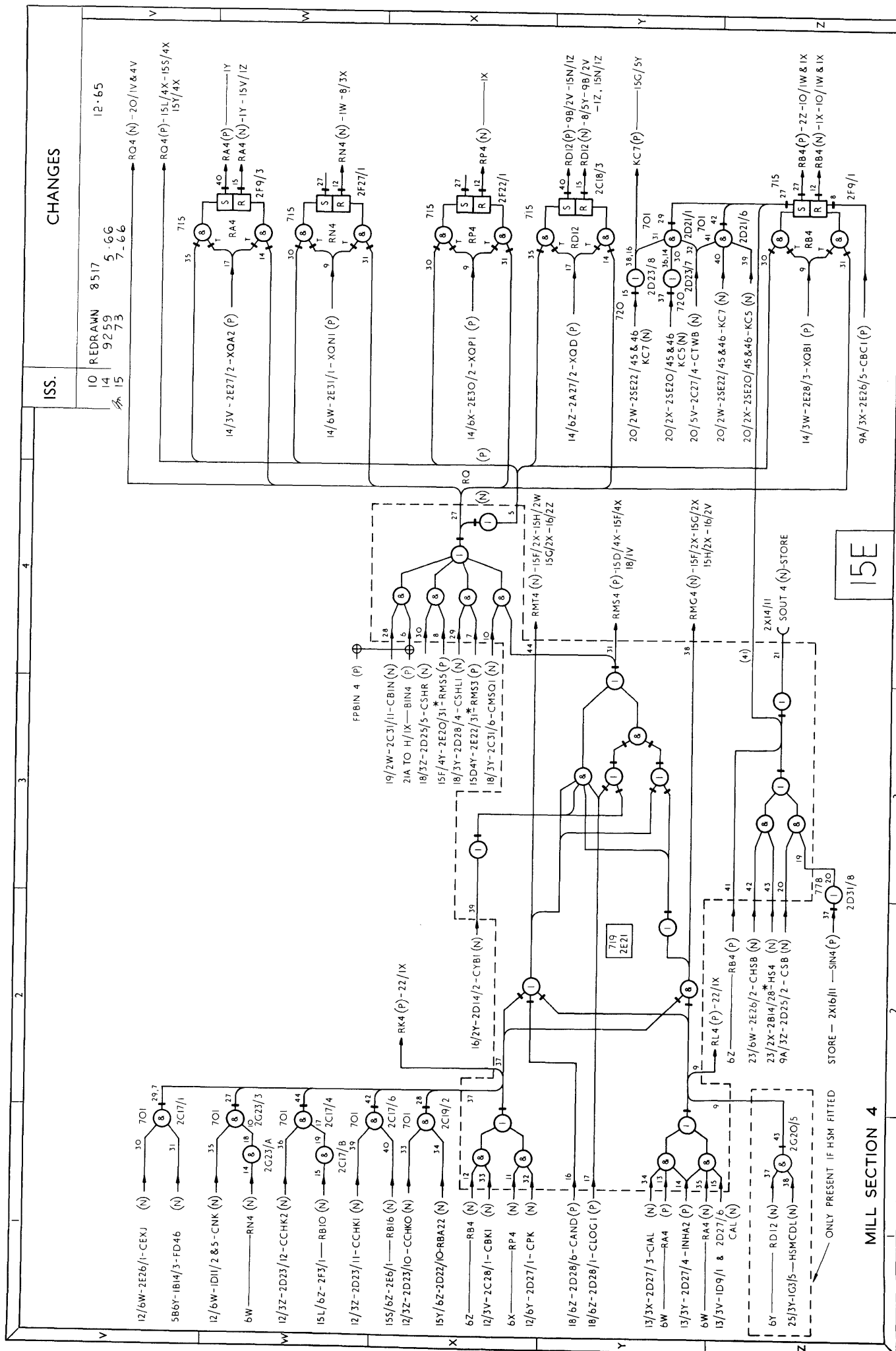
SHEET **20**

CAT. **D**

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899

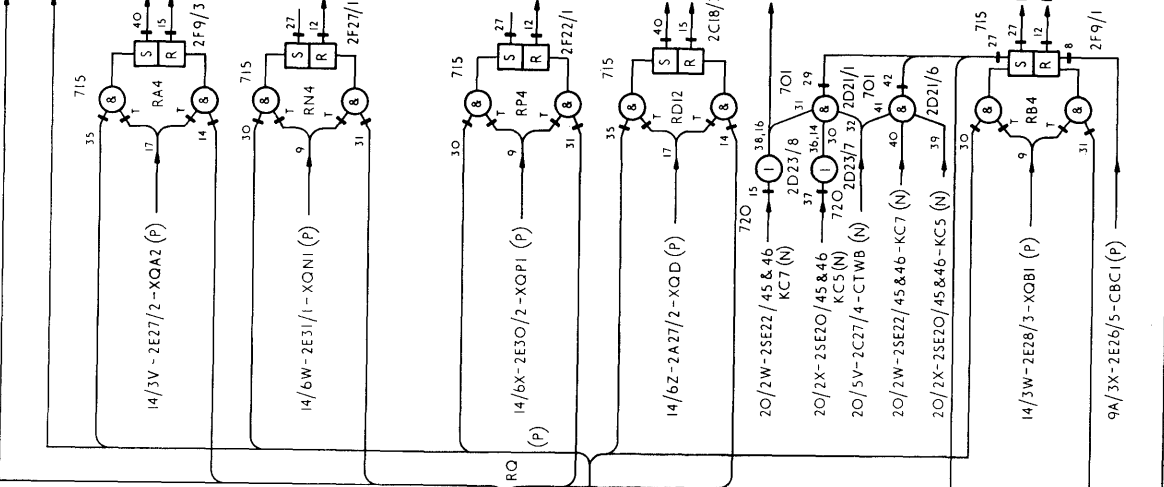
15C



CHANGES

ISS.

10	REDRAWN	8517	12-65
14	9259	5-66	
15	73	7-66	



5006471

DIAGRAM

LOGIC DIAGRAM

MILL SECTION 4

ISSUE 15

SHEET 22

CAT. D

ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.

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LOGIC DIAGRAM

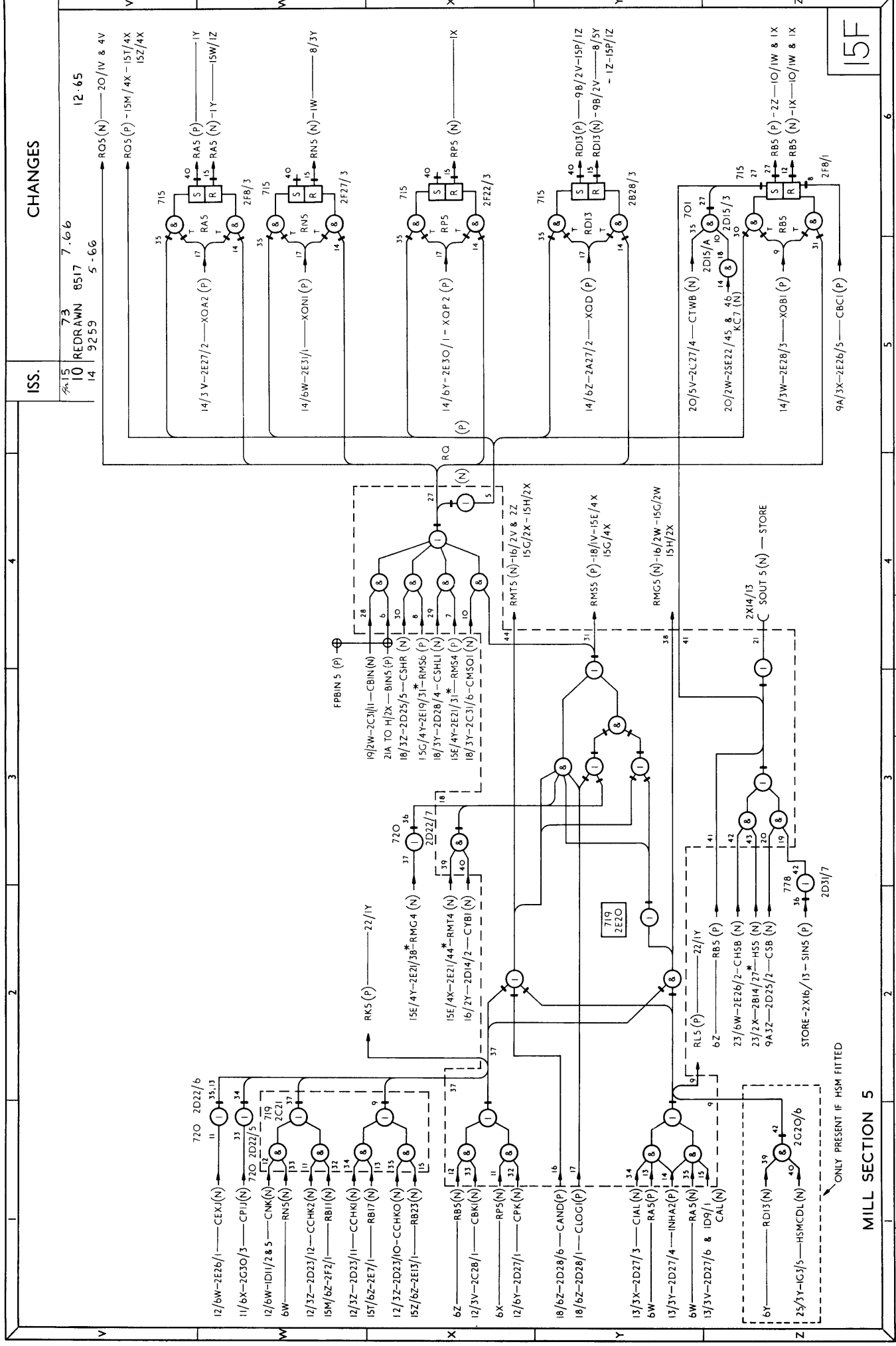
5006471 / 15

ISSUE SHEET 23

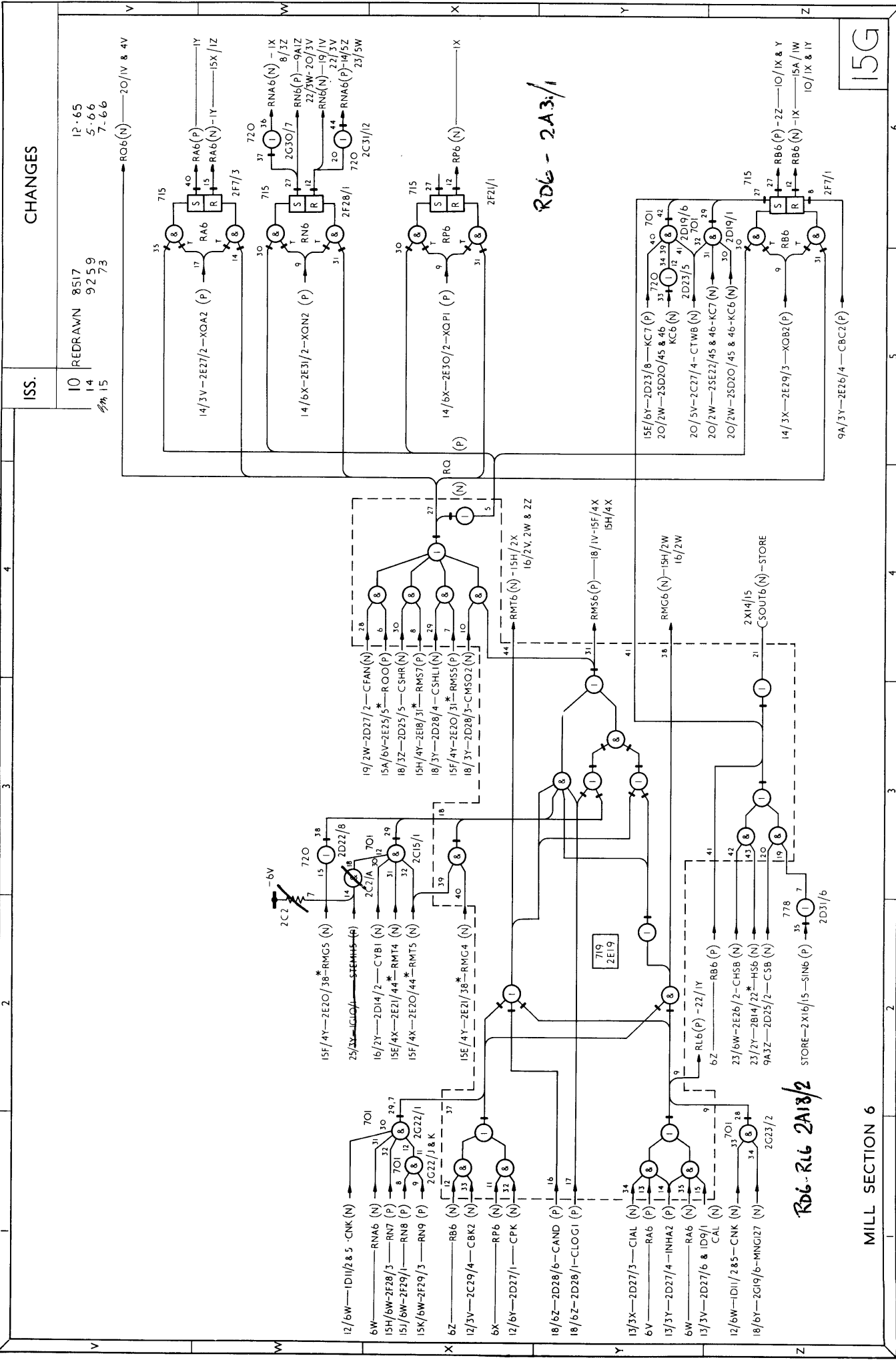
ISSUE CAT. D

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8391



15F



CHANGES

ISS. 10 REDRAWN 8517
 14 9259
 15 73
 12-65
 5-66
 7-66

15G

MILL SECTION 6



LOGIC DIAGRAM

5006471 / 15

ISSUE

SHEET 24

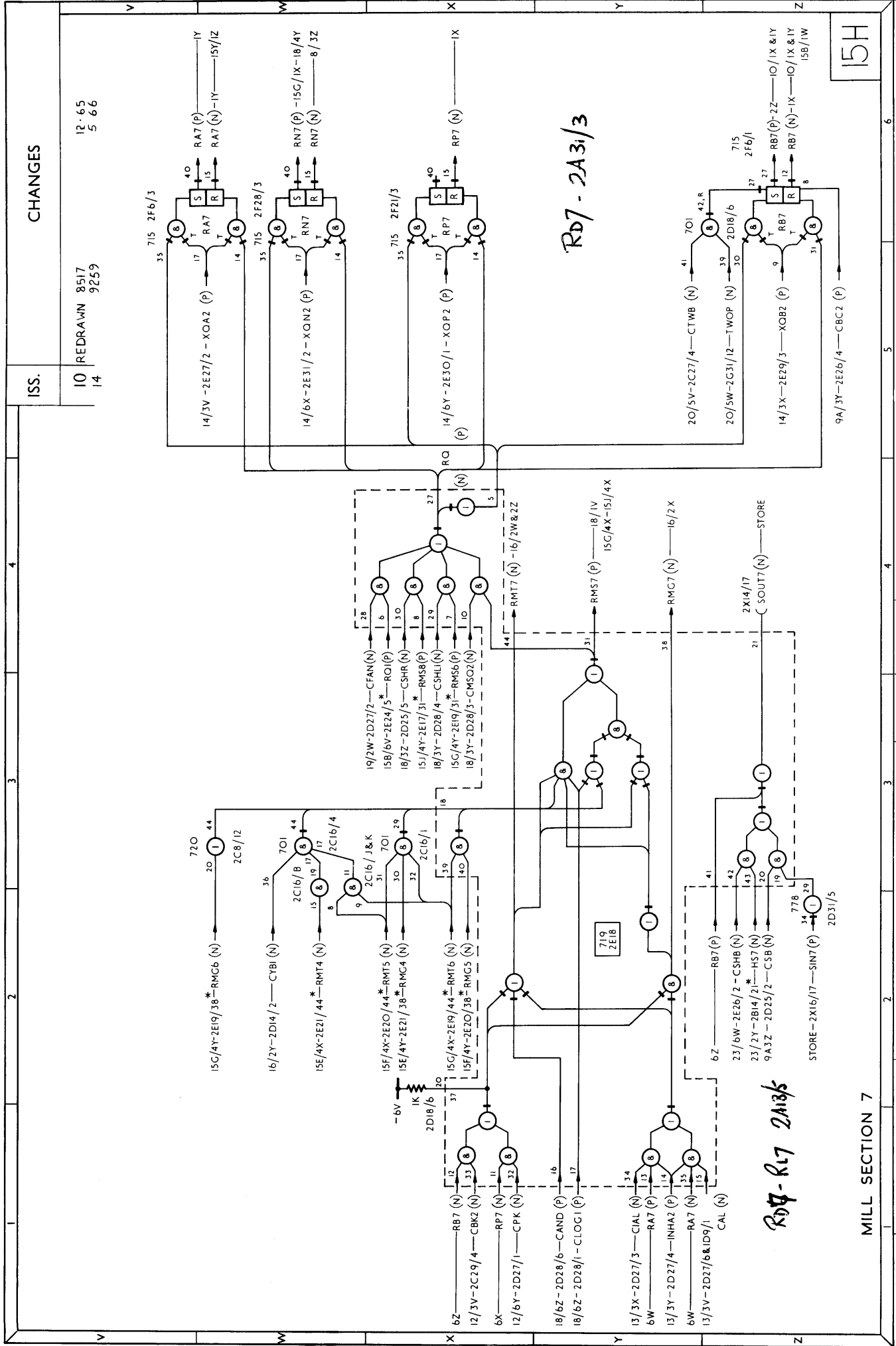
CAT D

ISSUE

SHEET 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

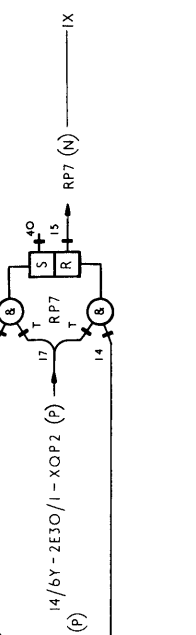
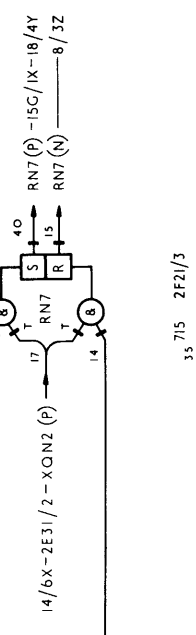
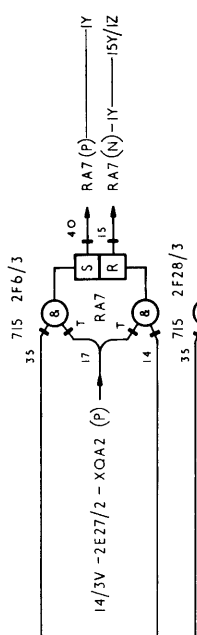
ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.

8391

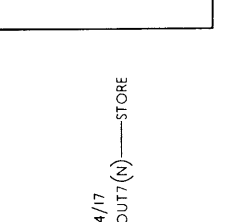
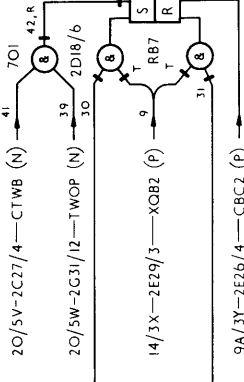


CHANGES

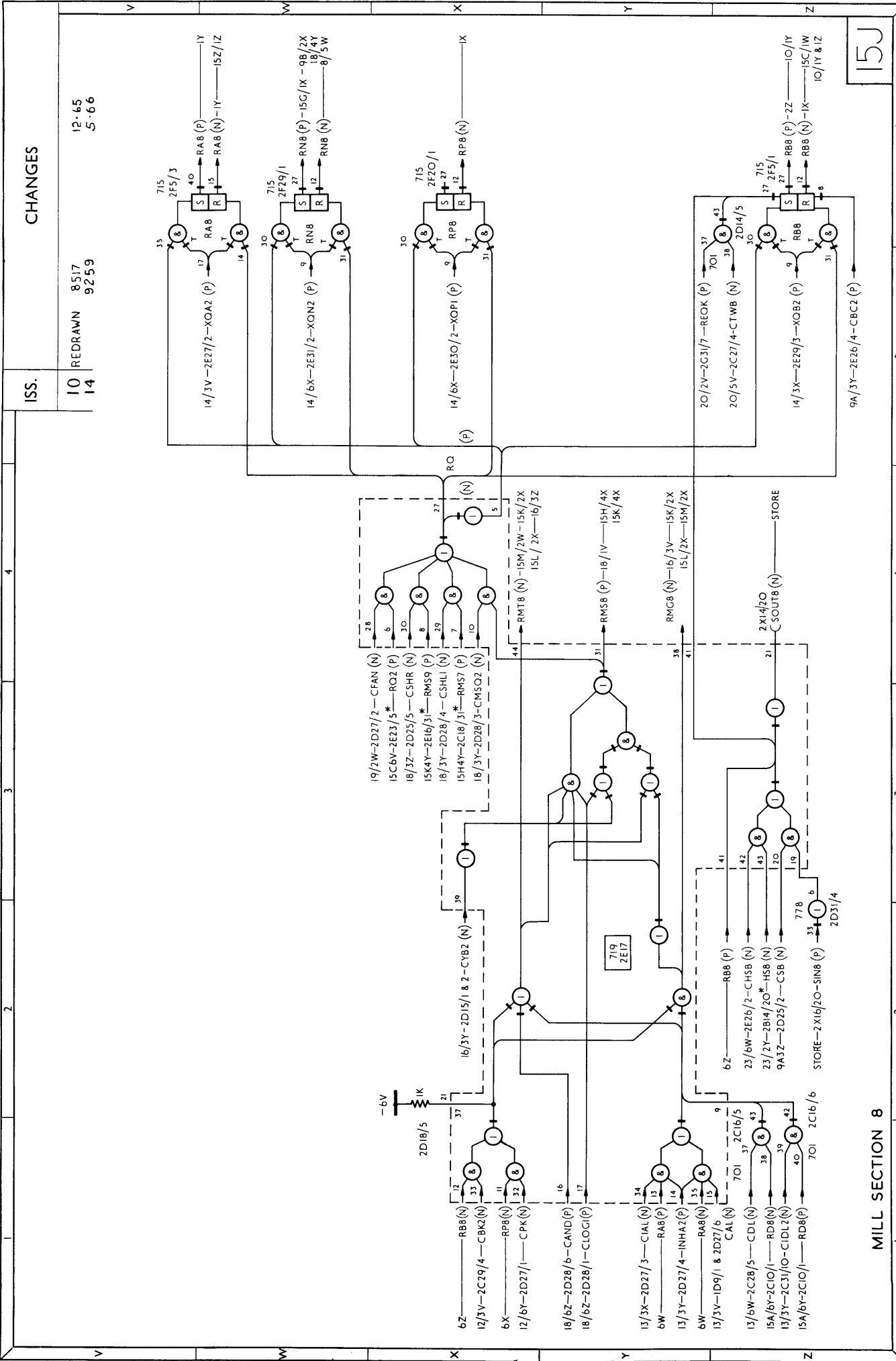
10	REDRAWN	8517	12-65
14		9259	5 6 6



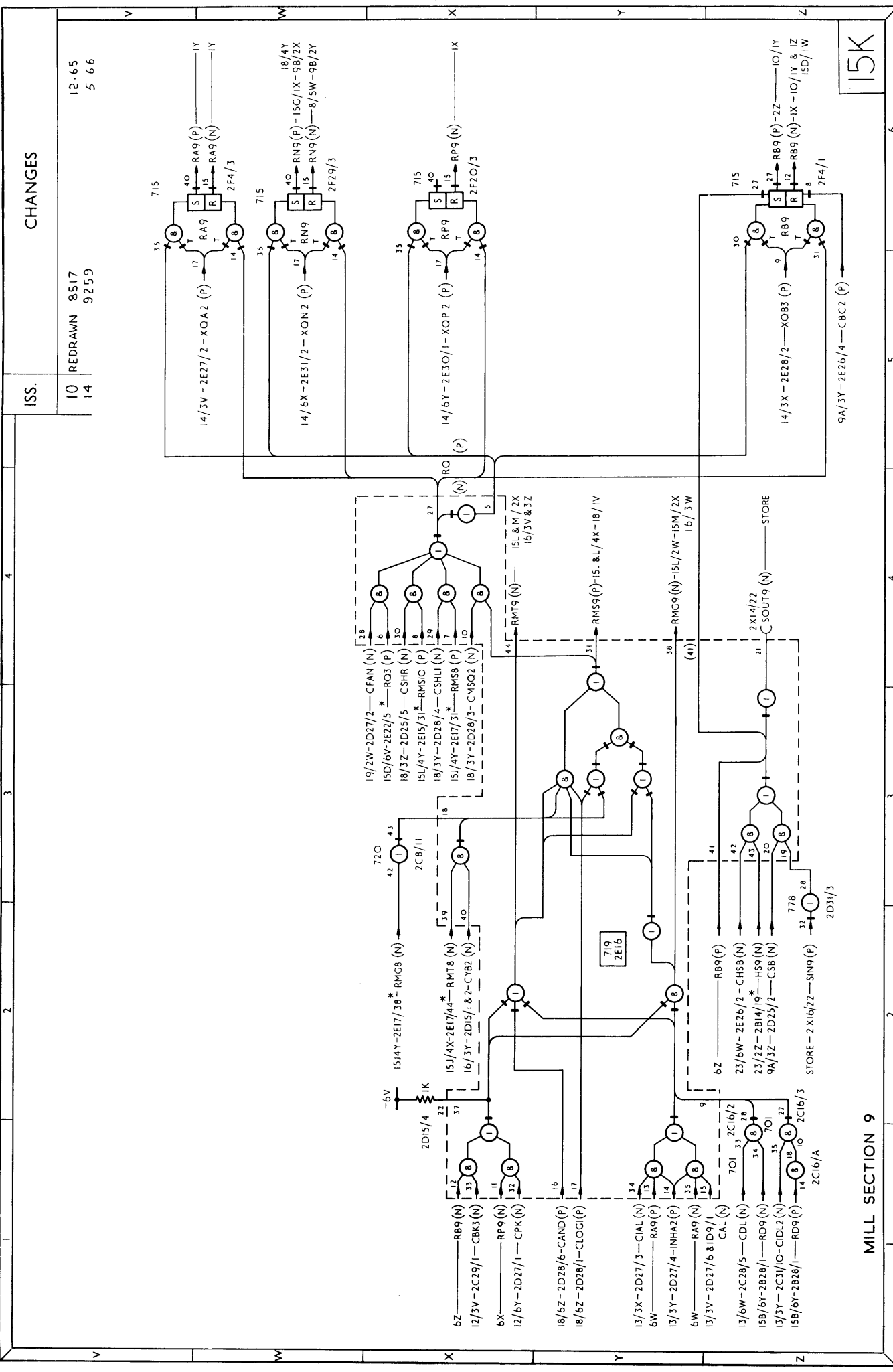
RD7-2A31/3



15H



MILL SECTION 8				ISSUE	CAT	SHEET	ISSUE	5006471 / 14	26	D																			
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
LOGIC DIAGRAM											DIAGRAM			5006471 / 14															
ISSUE											DIAGRAM			12-65 5-66															
REISSUE											14			8517 9259															
10 REDRAWN											14			12-65 5-66															
CHANGES											4			15J															



CHANGES

ISS.	10 REDRAWN 8517	12.65
	14	5 66

MILL SECTION 9

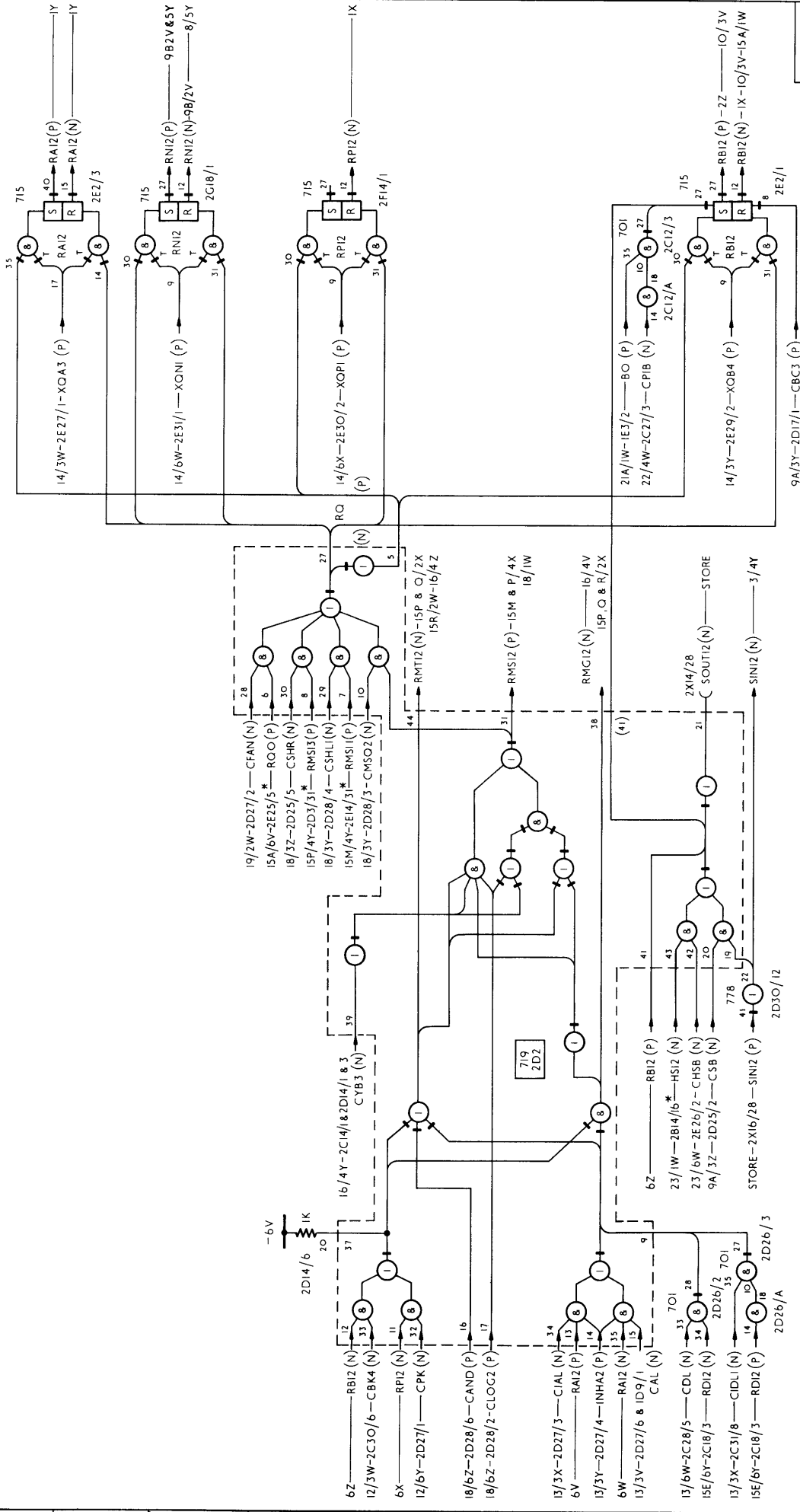
	LOGIC DIAGRAM	5006471 / 14 27	D	ISSUE	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
	DIAGRAM		CAT	SHEET	
				ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.	

CHANGES

ISS.

10 REDRAWN 8517
14 9259

12-65
5-66



15N

MILL SECTION 12



LOGIC DIAGRAM

5006471

ISSUE 14

SHEET 30

CAT D

ISSUE

SHEET	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
ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.																														

8991



LOGIC DIAGRAM

5006471 / 14

ISSUE

D

ISSUE

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
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8391

MILL SECTION I3

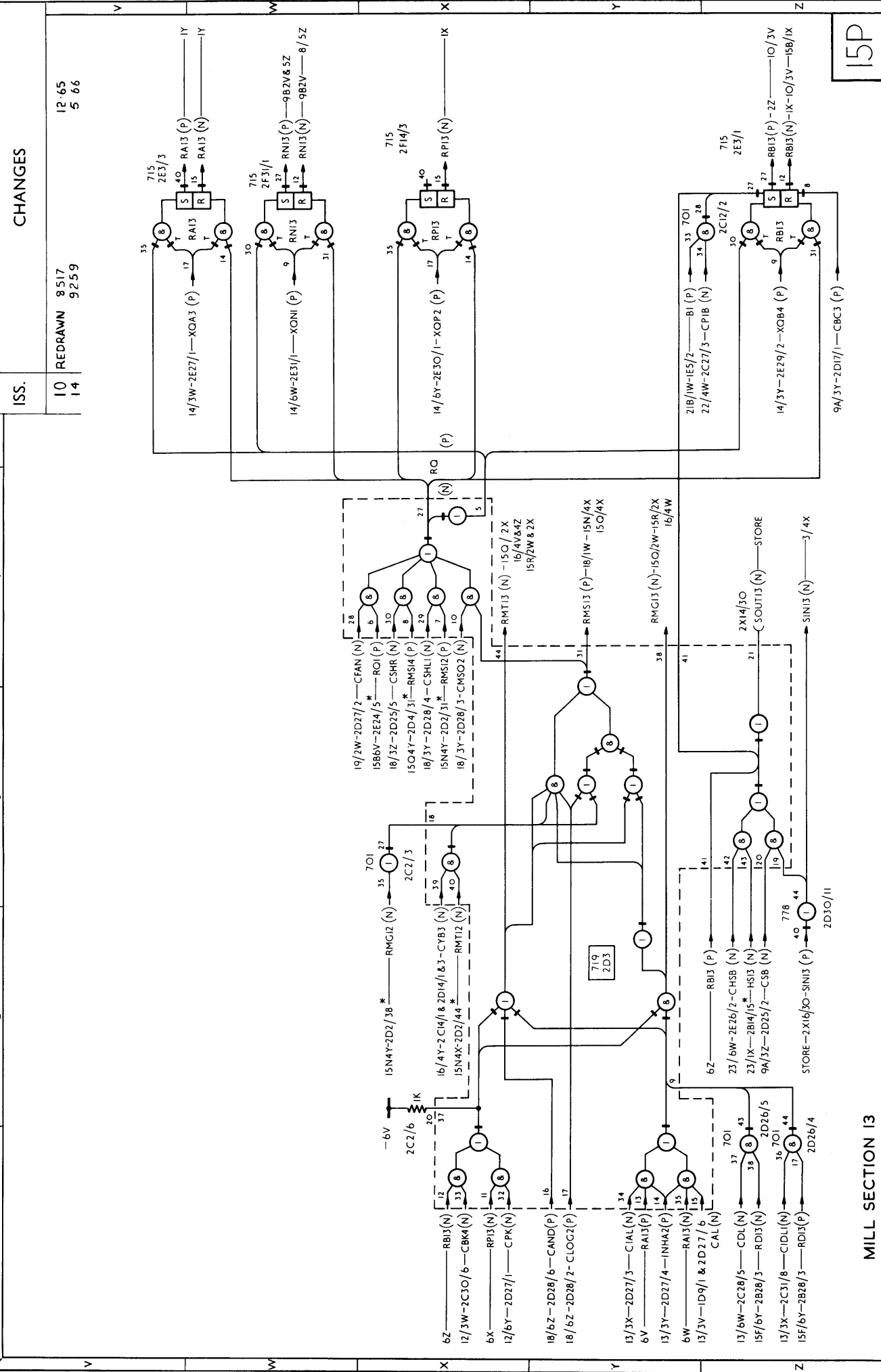
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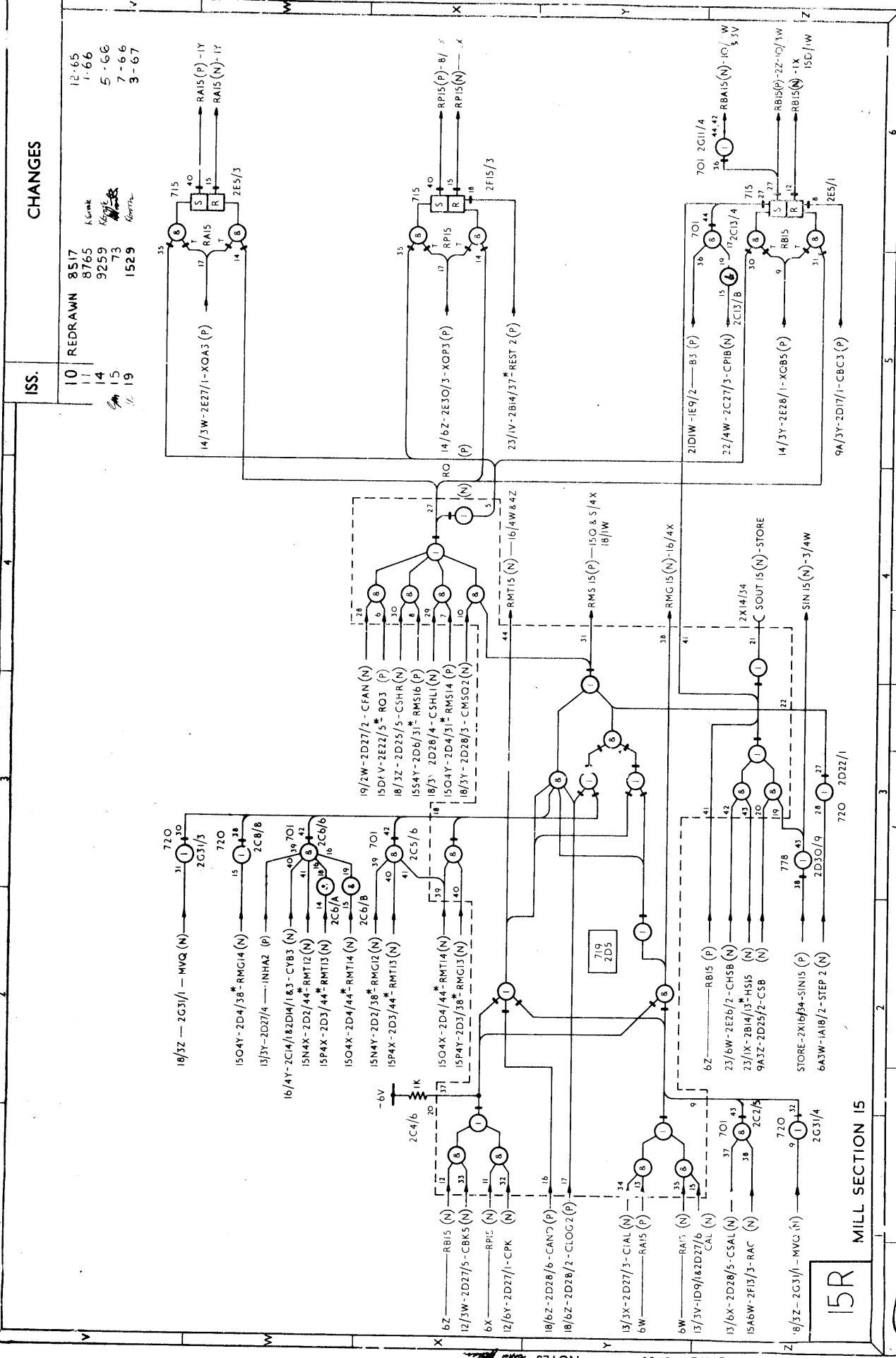
CHANGES

ISS.

10 REDRAWN 8517
14 9259

12-65
5 66





CHANGES

ISS.	NO.	DESCRIPTION	DATE
10	REDRAWN	8517	12-65
11		8765	1-66
14		9259	5-66
15		73	7-66
19		1529	3-67

ISSUE	CAT.	NO.
ISSUE SHEET	D	1933

5006471 / 1933

DIAGRAM

LOGIC DIAGRAM



MILL SECTION 15

15R

DRAWN BY J. INGRAM

DATE 7-6-65

NOTES

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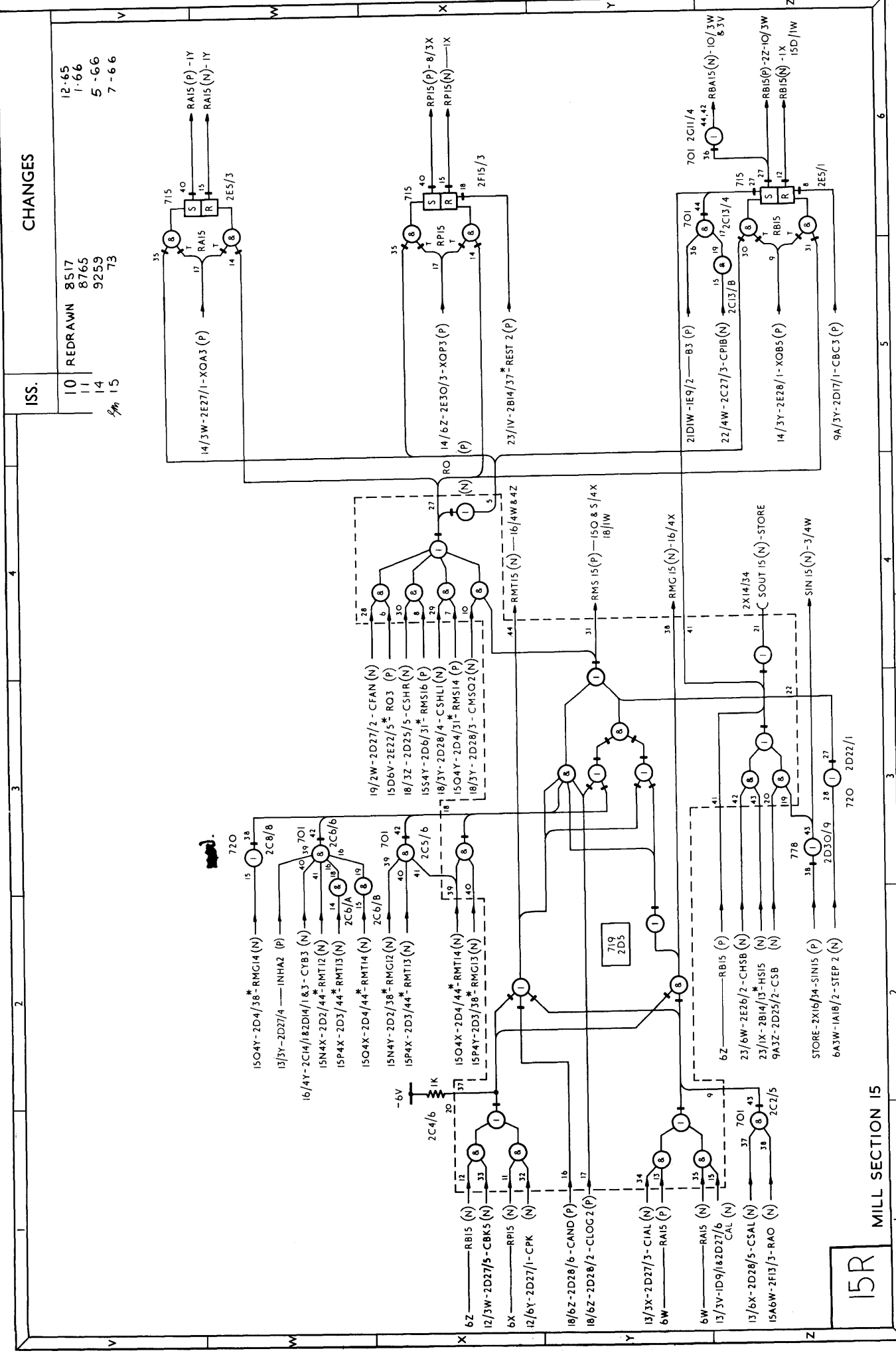
ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.

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

CHANGES

10	REDRAWN	8517	12-65
11		8765	1-66
14		9259	5-66
15		73	7-66

ISS.



15R

MILL SECTION 15

3

4

5

6

V W X Y Z

1 2 3 4 5 6



LOGIC DIAGRAM

5006471

ISSUE 14

SHEET 37

D CAT.

ISSUE

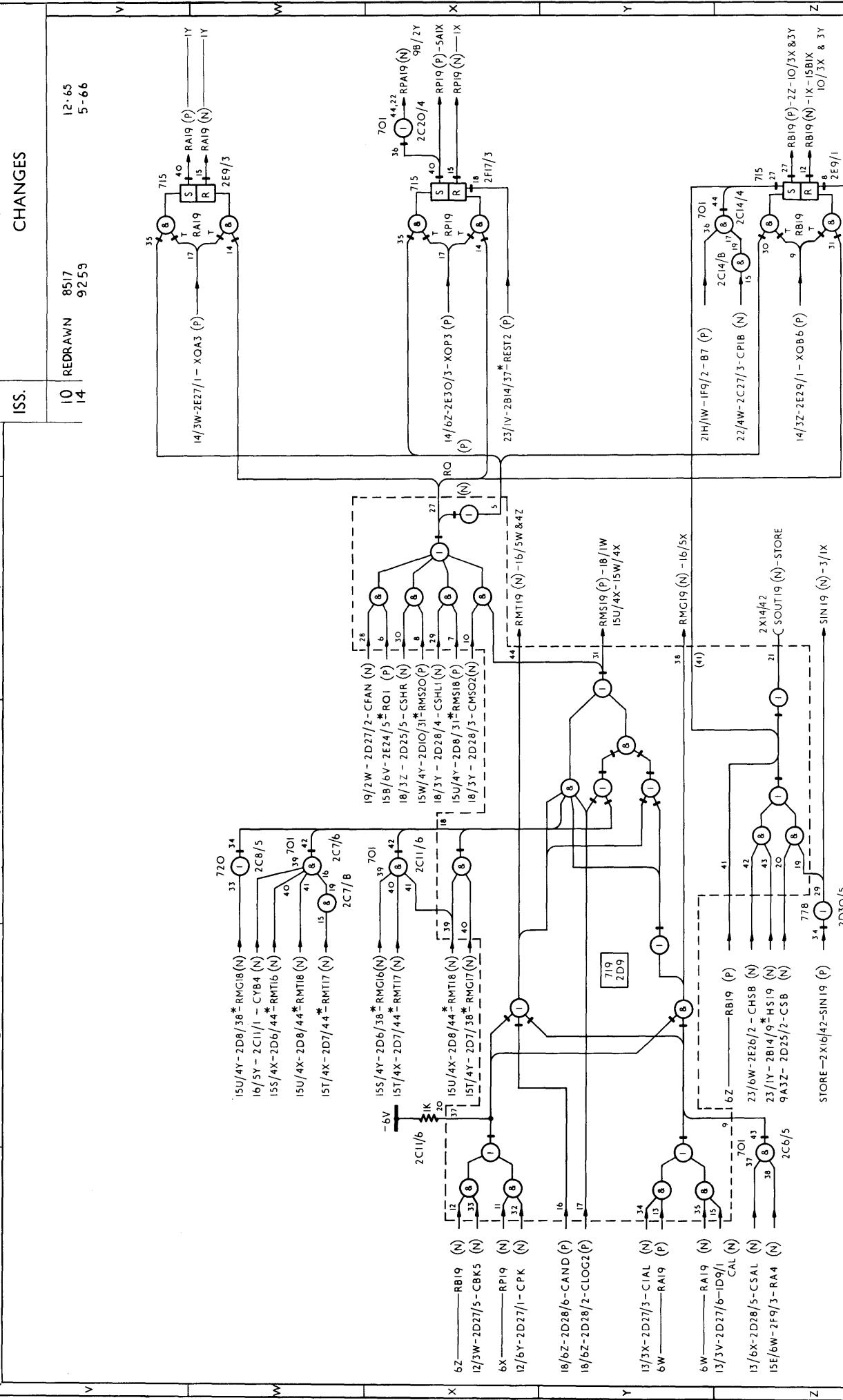
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ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.

8391

MILL SECTION 19

15V



CHANGES

12-65
5-66

10 REDRAWN 8517
14 9259

ISS.

4

3

2

1

X

Y

Z

1

2

3

4

5

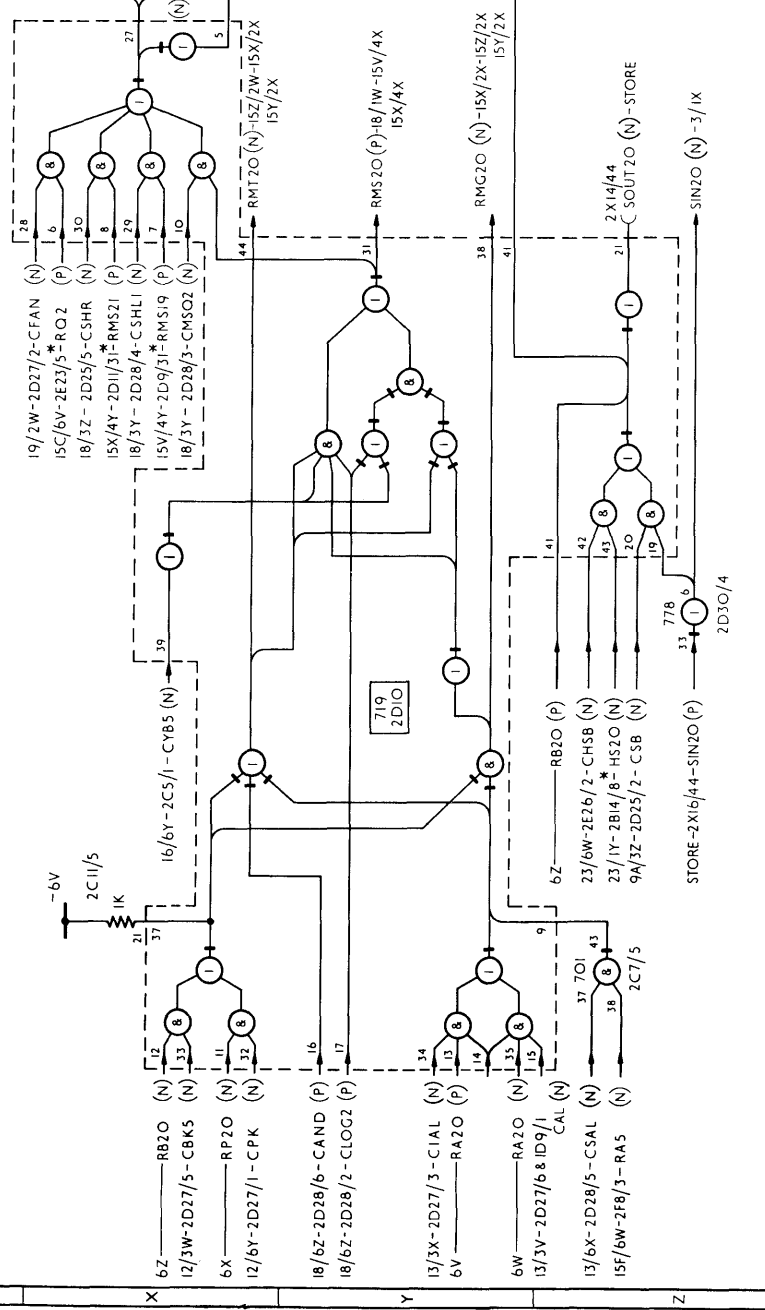
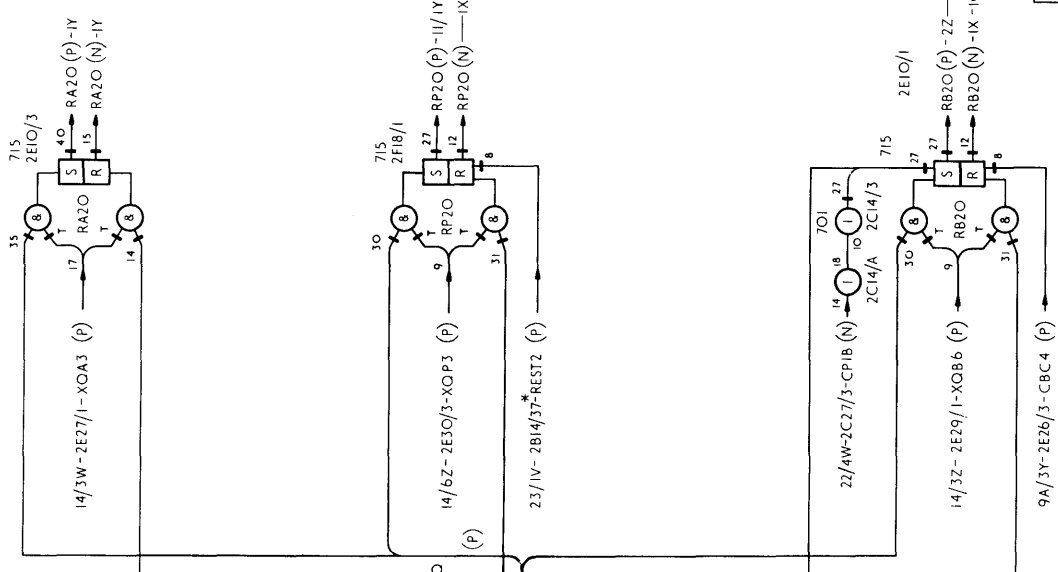
6

CHANGES

ISS.

10 REDRAWN 8517
14 9259

12-65
5-66



MILL SECTION 20

15W



LOGIC DIAGRAM

5006471

ISSUE 14

SHEET 38

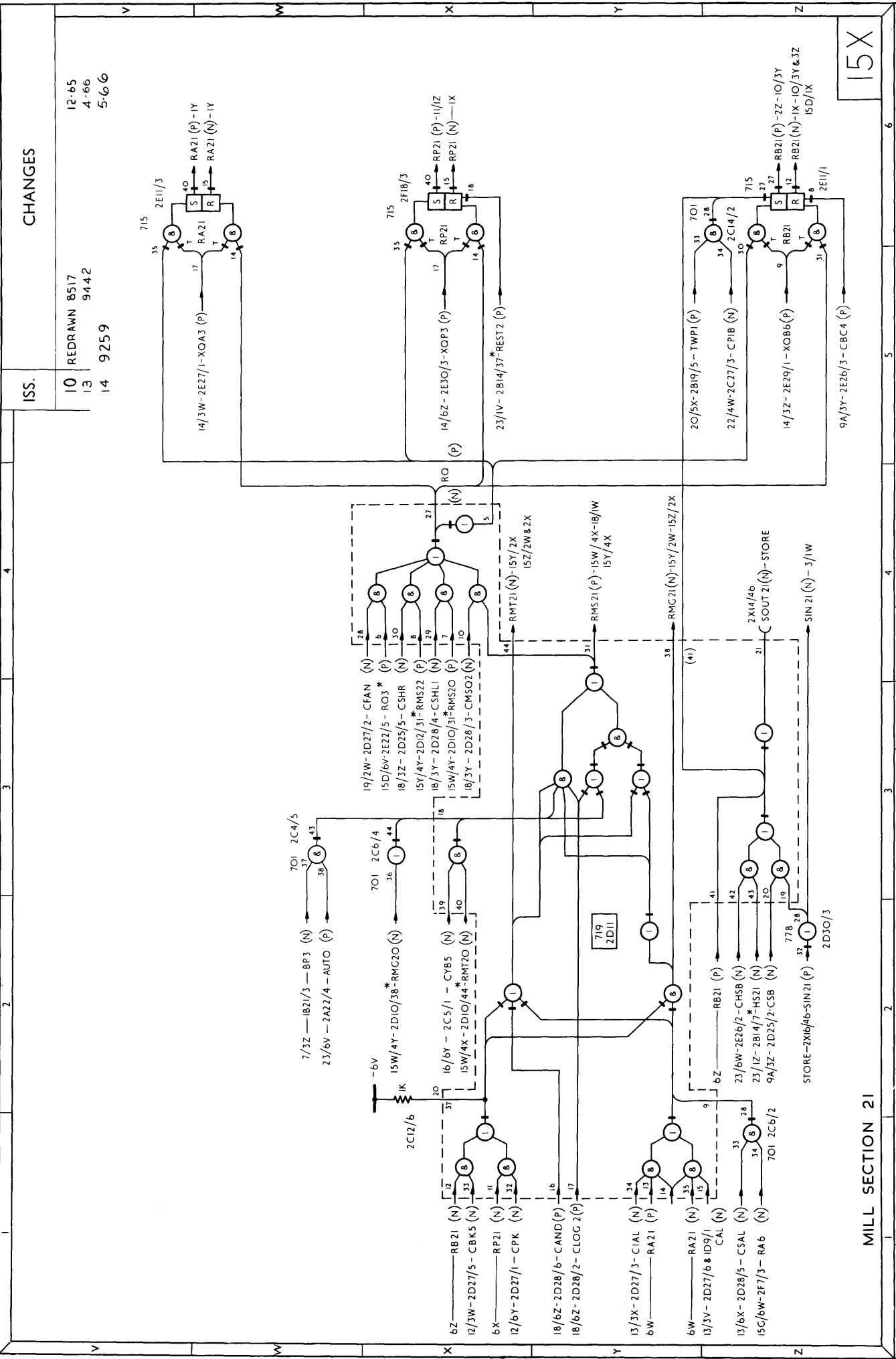
CAT. D

ISSUE

SHEET	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
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ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.

8391



CHANGES

10	REDRAWN	8517	12-65
13		9442	4-66
14		9259	5-66

ISS.

ISSUE	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
SHEET																														

ISSUE	D
CAT.	
SHEET	39
ISSUE	14

5006471 / 14 39

LOGIC DIAGRAM



15X

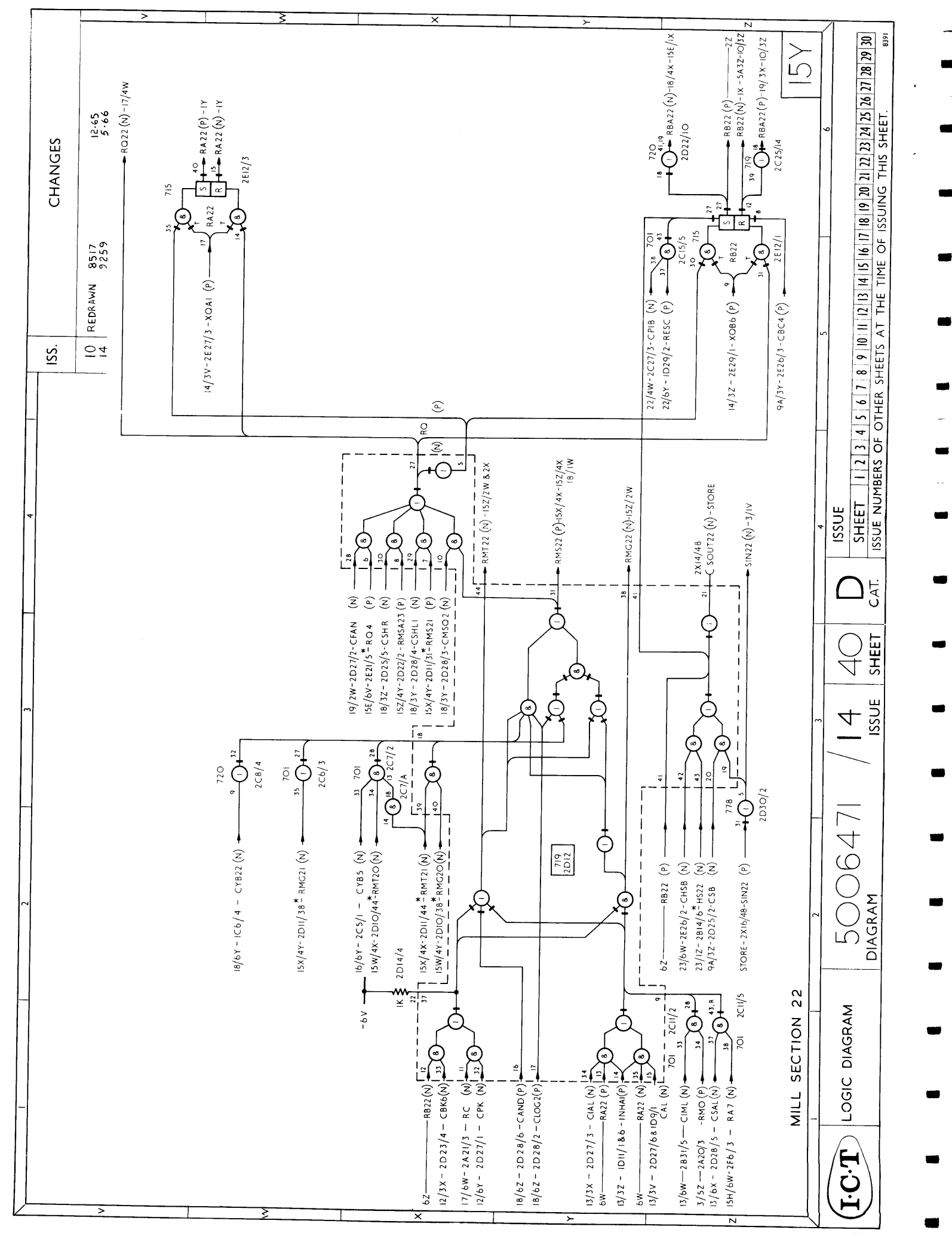
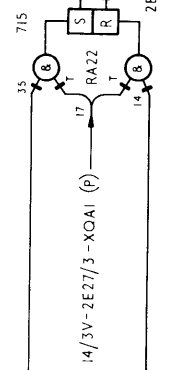
MILL SECTION 21

DIAGRAM

CHANGES

10	REDRAWN	8517	9259
14			

12-65
5-66



19/2W-2D27/2-CFAN (N)	15E/6V-2E21/5-RO4 (P)	18/3Z-2D25/5-CSHR (N)	15Z/8Y-2D22/2-RMSA23 (P)	18/3Y-2D28/4-CSHLI (N)	15X/8Y-2DI1/31-RMS21 (P)	18/3Y-2D28/3-CMSO2 (N)	19/2W-2D27/2-CFAN (N)	15E/6V-2E21/5-RO4 (P)	18/3Z-2D25/5-CSHR (N)	15Z/8Y-2D22/2-RMSA23 (P)	18/3Y-2D28/4-CSHLI (N)	15X/8Y-2DI1/31-RMS21 (P)	18/3Y-2D28/3-CMSO2 (N)
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MILL SECTION 22



LOGIC DIAGRAM

5006471

ISSUE / 14

SHEET 40

ISSUE CAT. D

ISSUE SHEET

SHEET 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

ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.

15Y

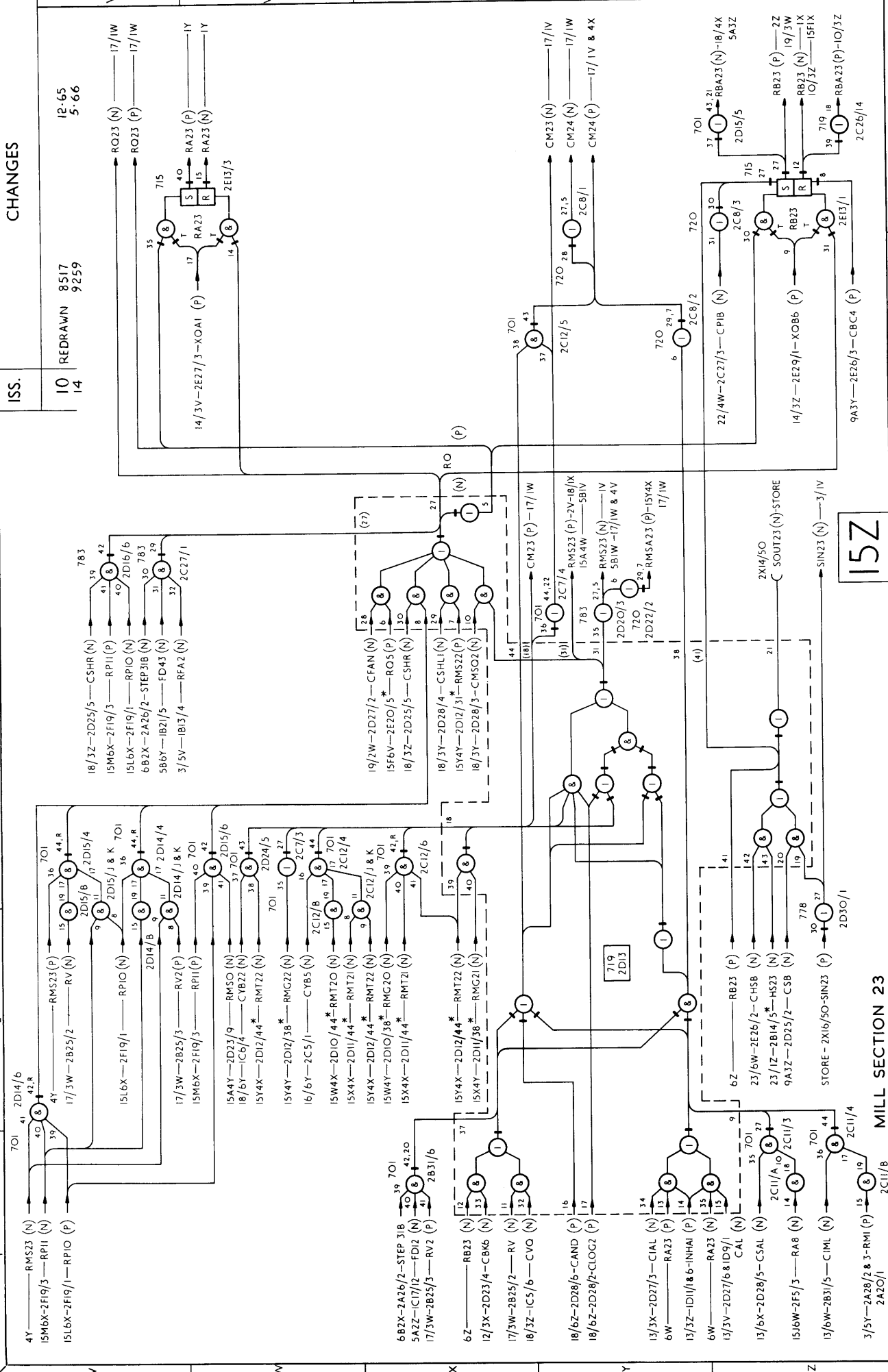
8291

CHANGES

ISS.

10 REDRAWN 8517
14 9259

12-65
5-66



LOGIC DIAGRAM
DIAGRAM

5006471 / 14
ISSUE SHEET

41
SHEET

D
CAT.

ISSUE	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		
ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.																																

8391

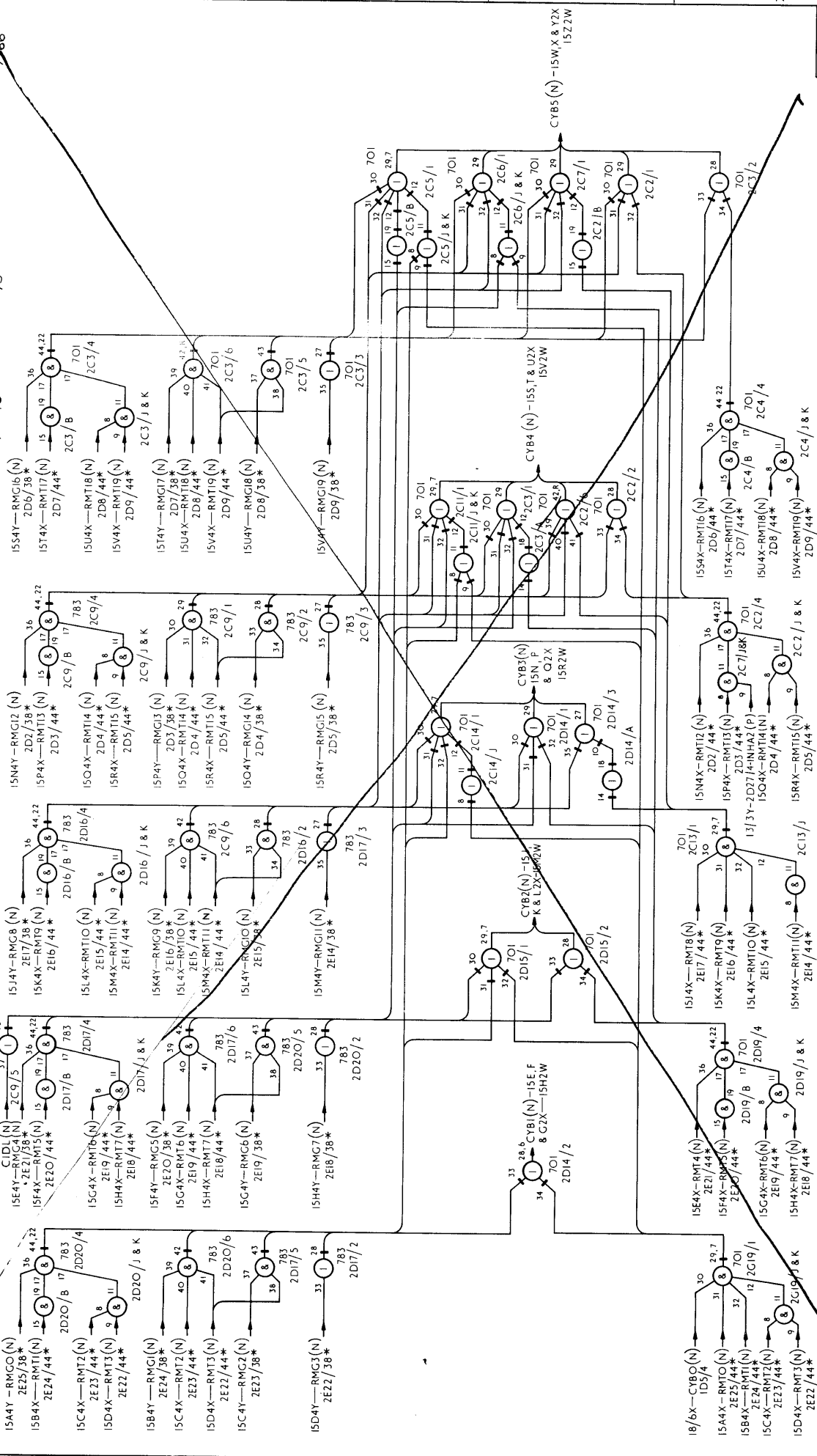
CHANGES

ISS.

10 REDRAWN 8517 73

15

12-65
7-66



MILL CARRY SYSTEM



LOGIC DIAGRAM

5006471 / 15

DIAGRAM

SHEET 42

CAT. D

ISSUE

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
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ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.

16

8391



DRAWN BY E. J. RAHIM

DATE 10-8-65

NOTES

MILL CARRY SYSTEM

LOGIC DIAGRAM

5006471 / 19

ISSUE

SHEET 42

CAT D

ISSUE SHEET

ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.

813128E

16

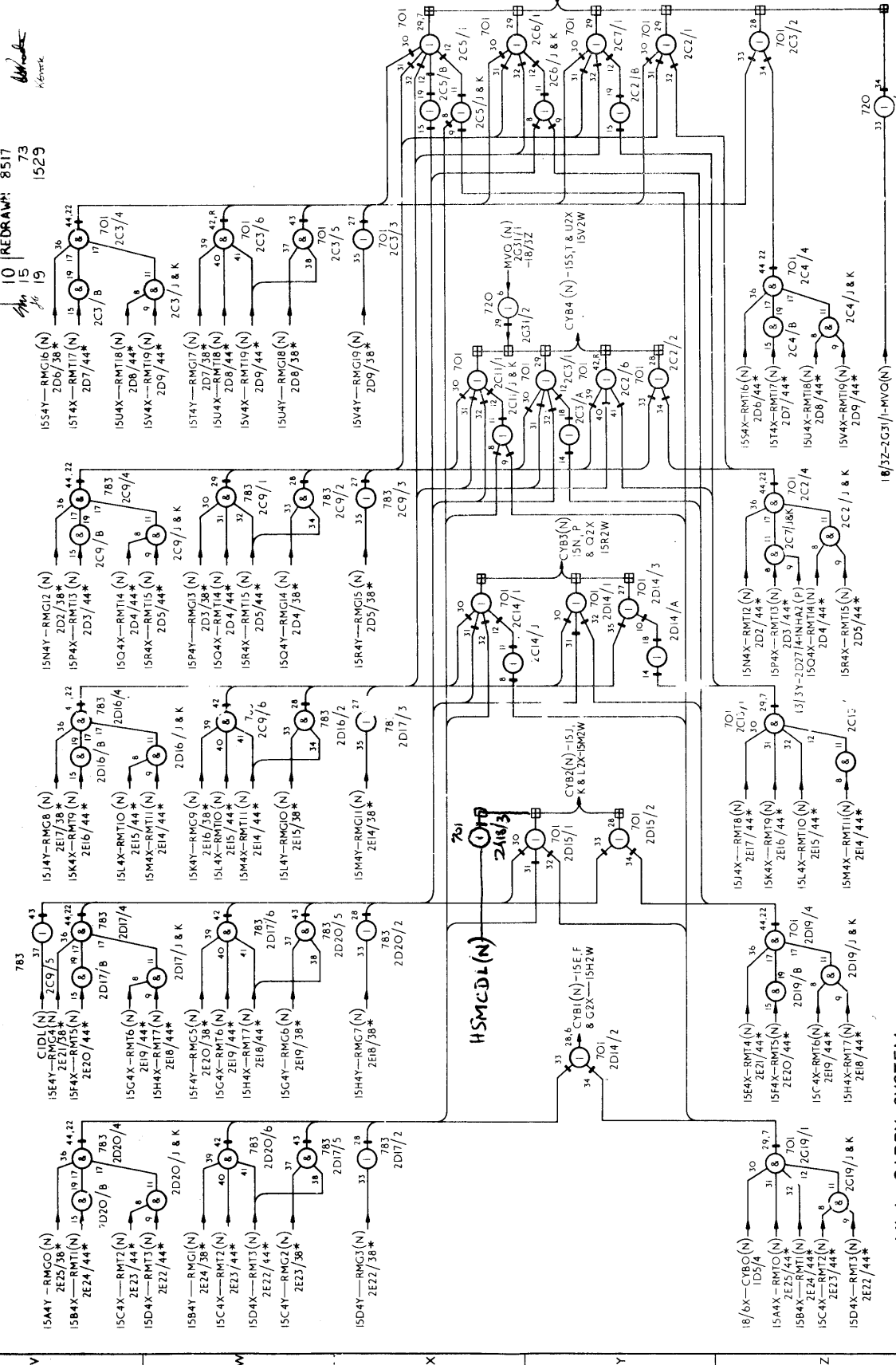
CHANGES

ISS.

10 REDRAWN: 8517 73 1529
15
19

Handwritten signature and date

12-65
7-66
3-67



6

5

4

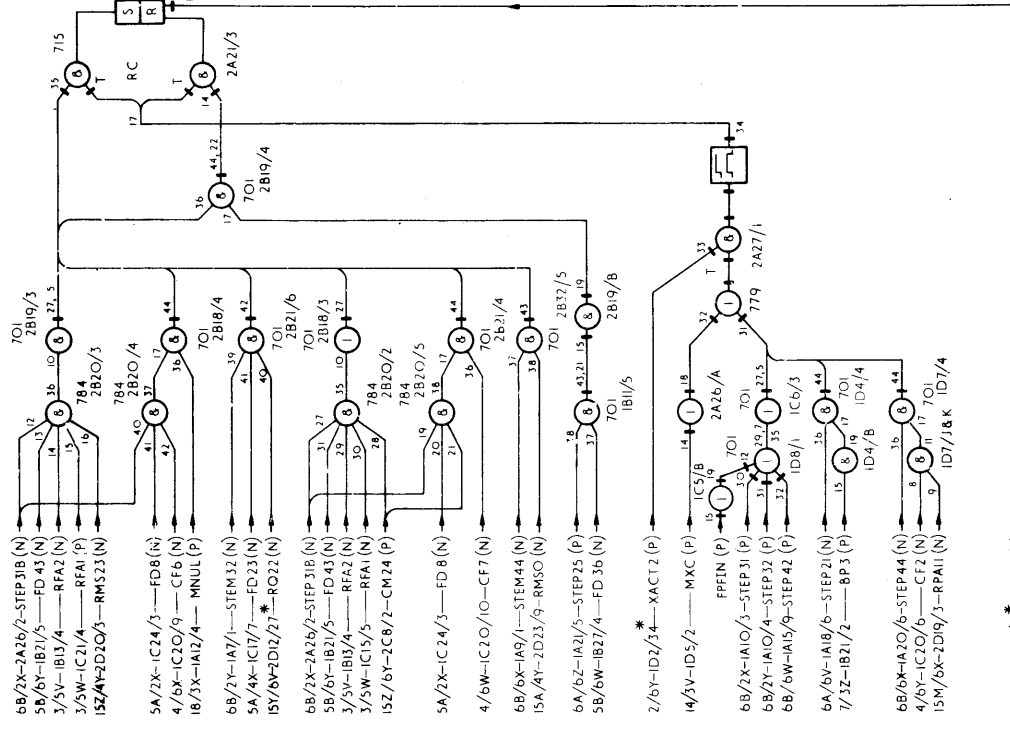
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2

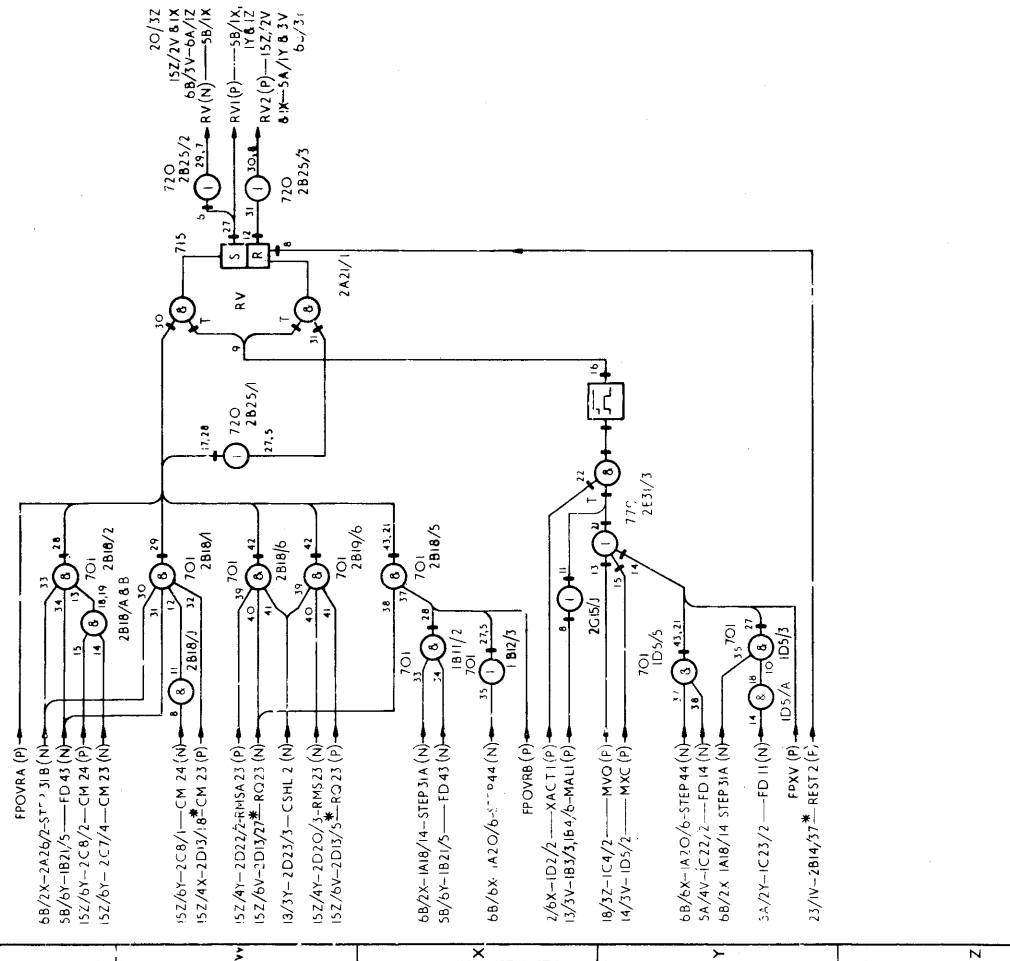
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ISS.	1993	5-67	9-67	1993	20	21	2477
	V.4.5						

CHANGES



OVERFLOW & CARRY REGISTERS (RV & RC)



LOGIC DIAGRAM 5006471 / 21

ISSUE SHEET 43

CAT D

ISSUE SHEET	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
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DRAWN BY 11 TAYLOR DATE 11-8-65

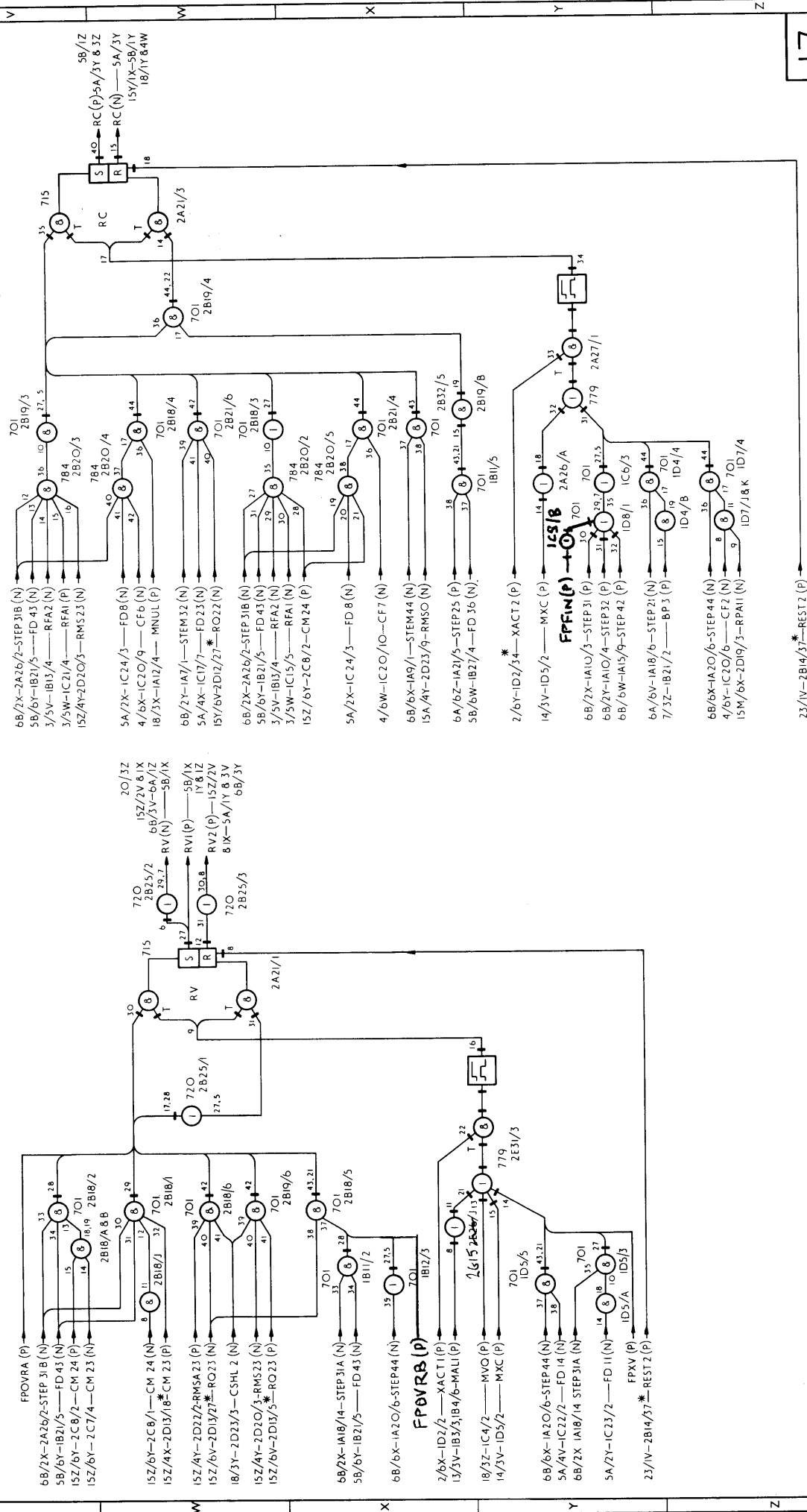
NOTES

CHANGES

ISS.

12-65
7-66

10 REDRAWN 8517
73
1180



17

OVERFLOW & CARRY REGISTERS (RV & RC)

	LOGIC DIAGRAM	5006471	18	43	D	ISSUE
	DIAGRAM				CAT.	SHEET
						ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.

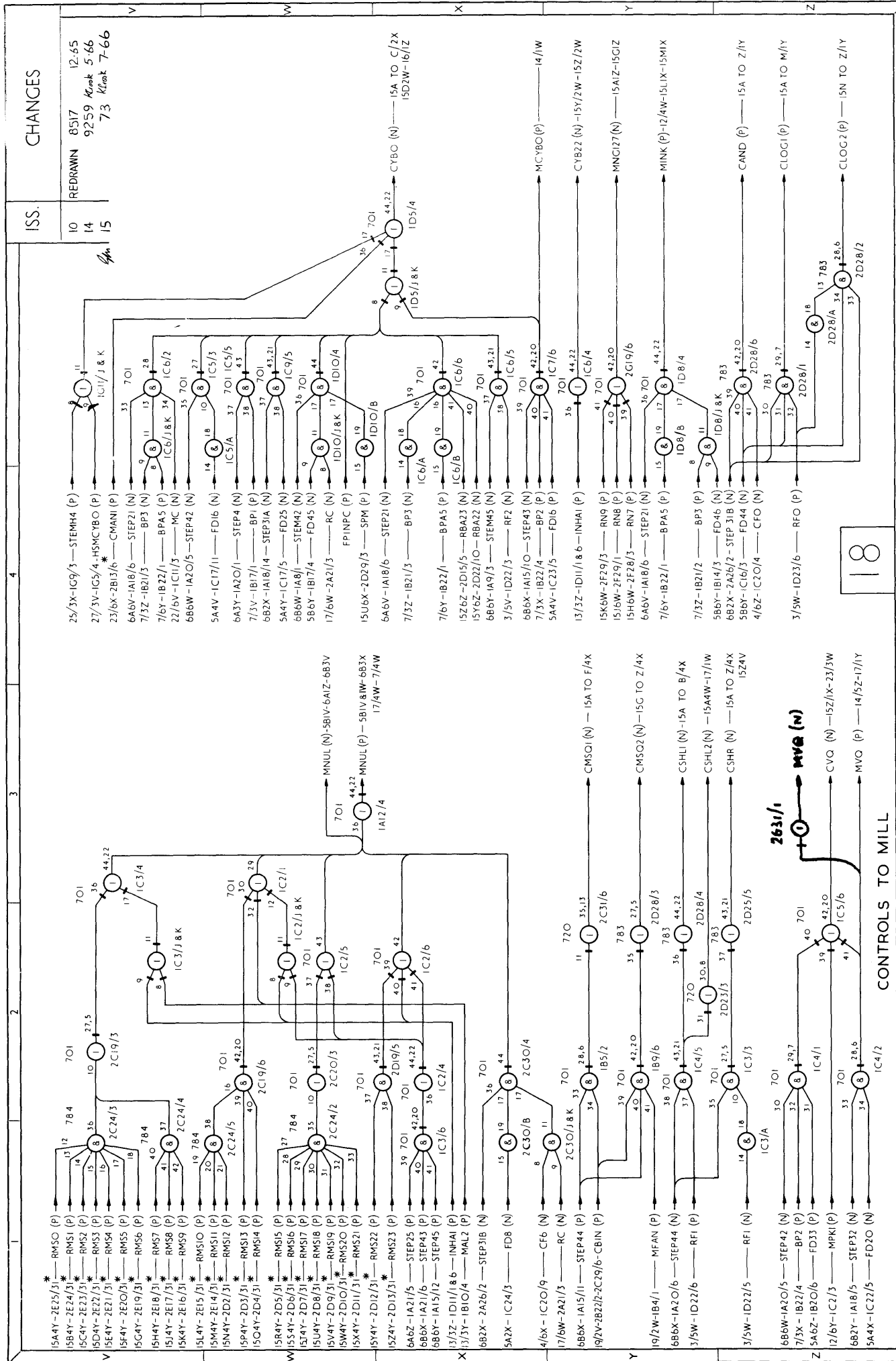
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CHANGES

ISS.

REDRAWN 8517 12-65
9259 *Mark* 5-66
73 *Keat* 7-66

10
14
15



5006471/19 44 D

LOGIC DIAGRAM 5006471/19 ISSUE SHEET CAT.

DIAGRAM 5006471/19 ISSUE SHEET CAT.

CONTROLS TO MILL

2631/1

MVA (N)

CVQ (N) — 15Z/1X-23/3W
MVQ (P) — 14/5Z-17/Y

18

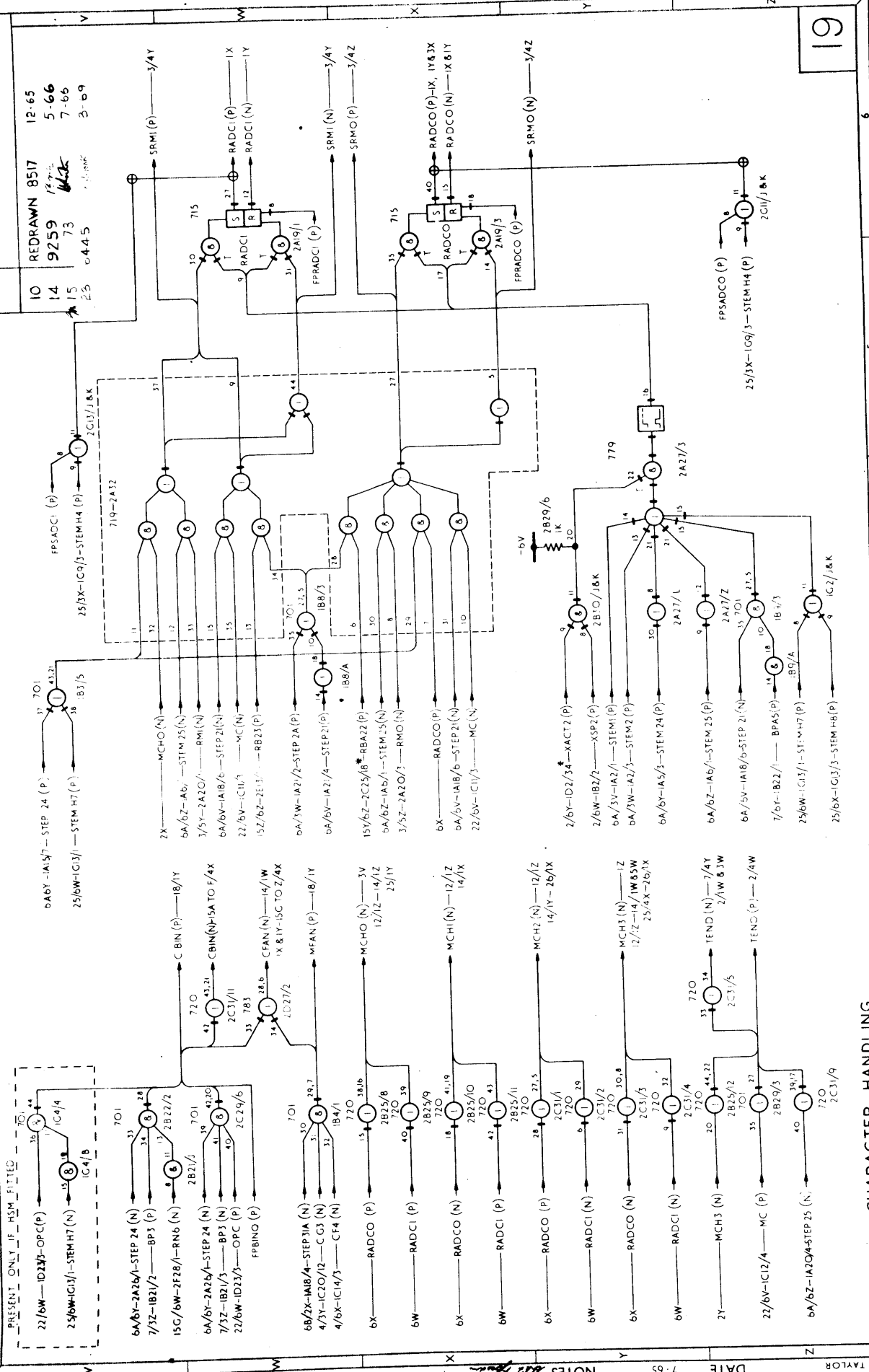
ISSUE SHEET CAT.

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11	12	13	14	15	16
17	18	19	20	21	22
23	24	25	26	27	28
29	30	31	32	33	34

8391

CHANGES

10	REDRAWN	8517	12-65
14	9259	12-7-65	5-66
15	73	7-66	
23	6445	3-69	



19

CHARACTER HANDLING

5006471/23 45

ISSUE SHEET

LOGIC DIAGRAM

DIAGRAM



DRAWN BY M. TAYLOR

DATE 7-65

1	2	3	4	5	6
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

ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.

19372E



LOGIC DIAGRAM
DIAGRAM

5006471/23

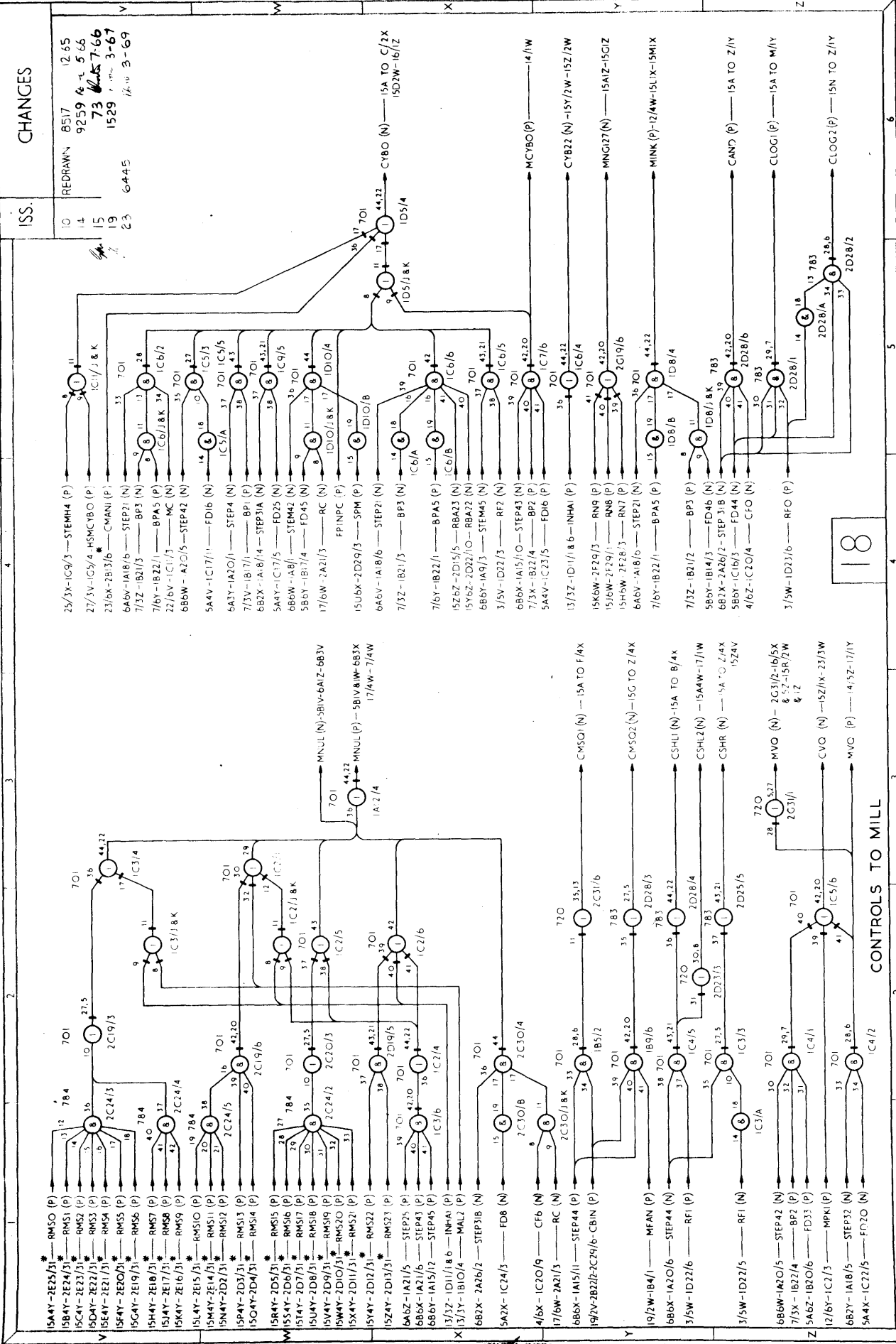
ISSUE SHEET 44
CAT

ISSUE

SHEET 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

ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.

11128E



CHANGES

ISS.	IO	REDRAWN	8517	12.65
	14		9259	8.1 5.66
	15		73	7.66
	19		1529	3-67
	23		6445	3-69

NOTES DATE 23-7-65 DRAWN BY CVGRAMAN

REGISTER TRIGGER PULSES.

LOGIC DIAGRAM

5006471/2317D

ISSUE SHEET

DIAGRAM

CAT

ISSUE

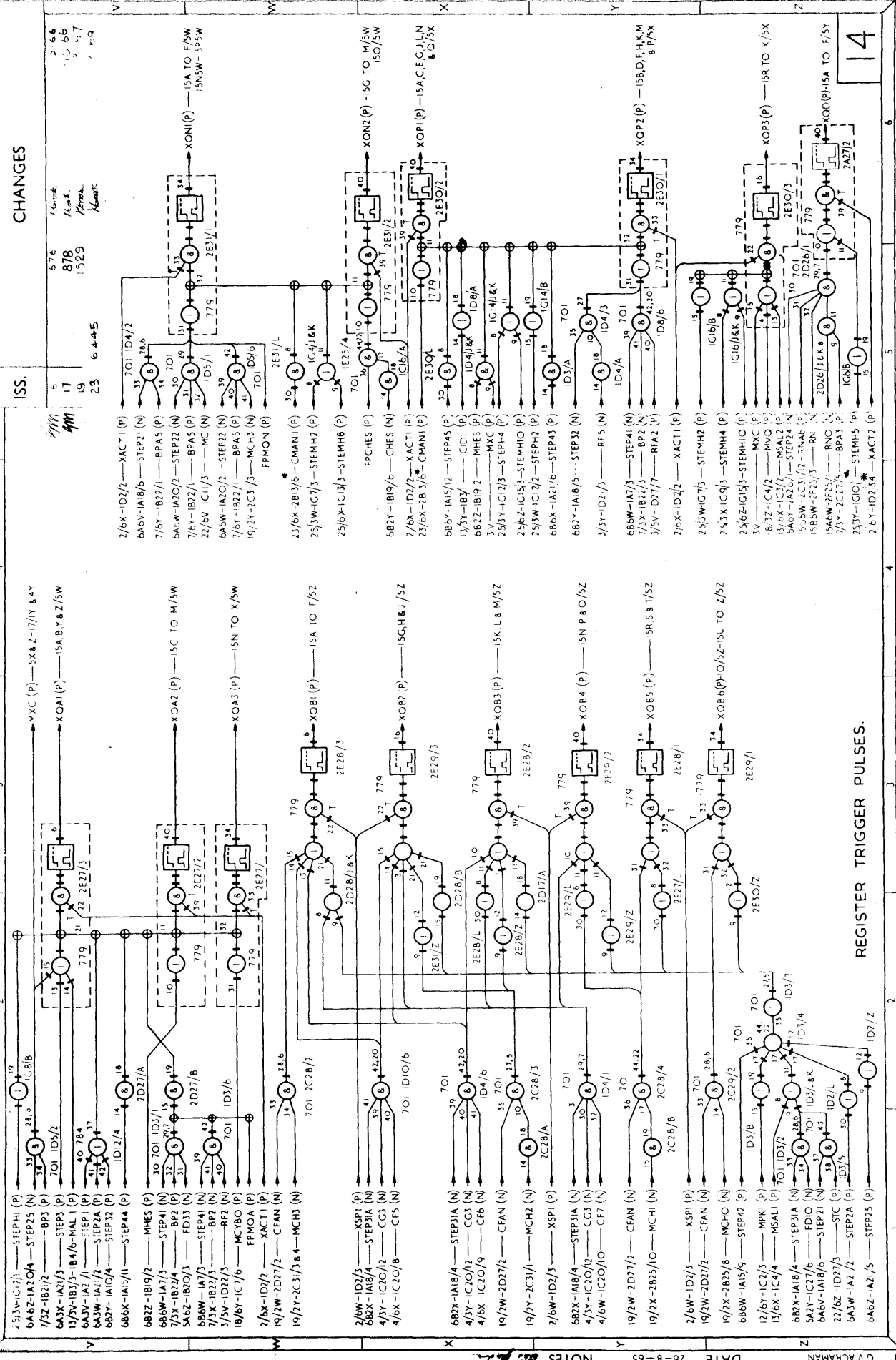
CAT

ISSUE SHEET

DIAGRAM

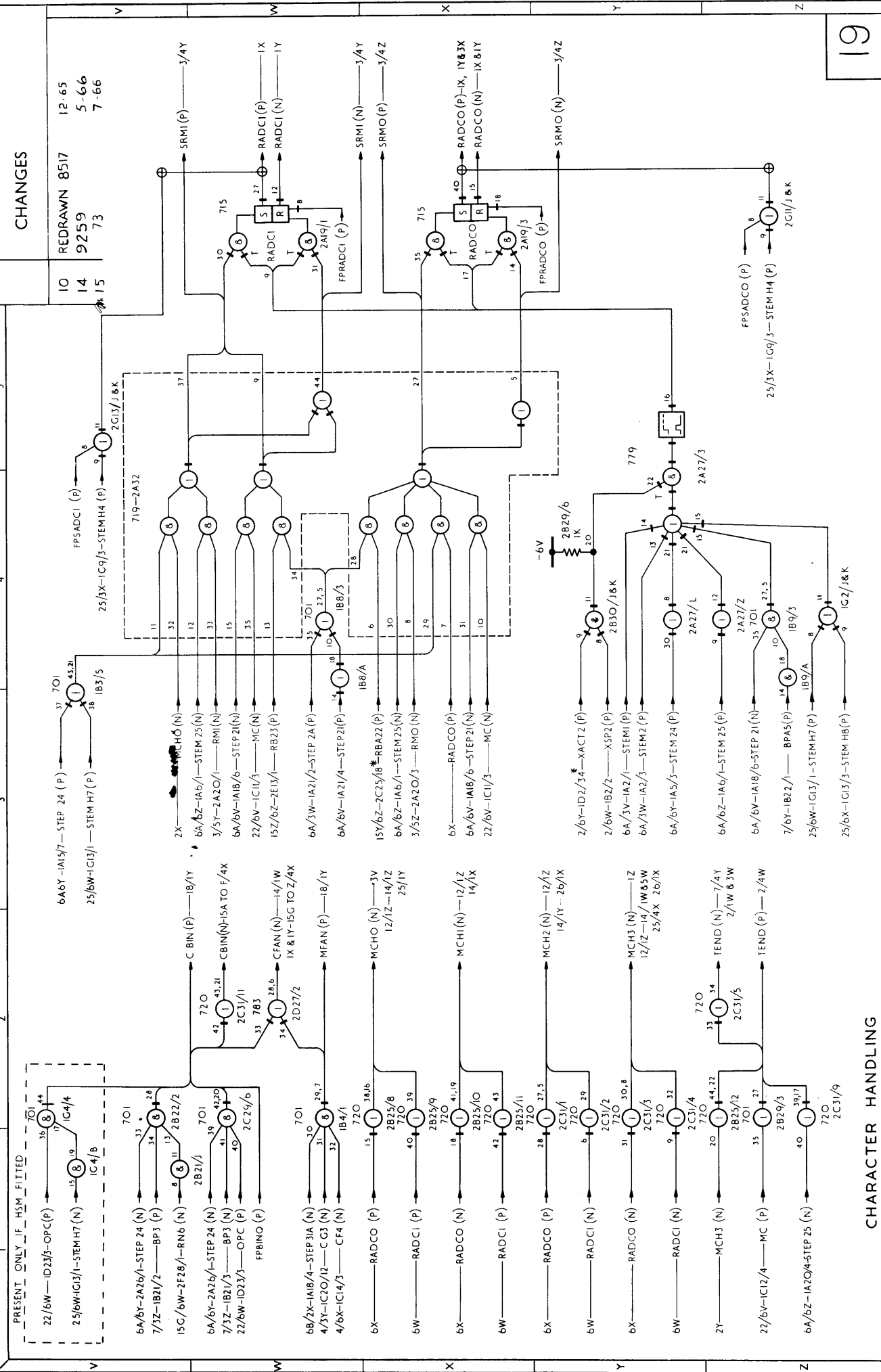
5006471/2317D

REGISTER TRIGGER PULSES.



CHANGES

IO	REDRAWN 8517	12-65
14	9259	5-66
15	73	7-66



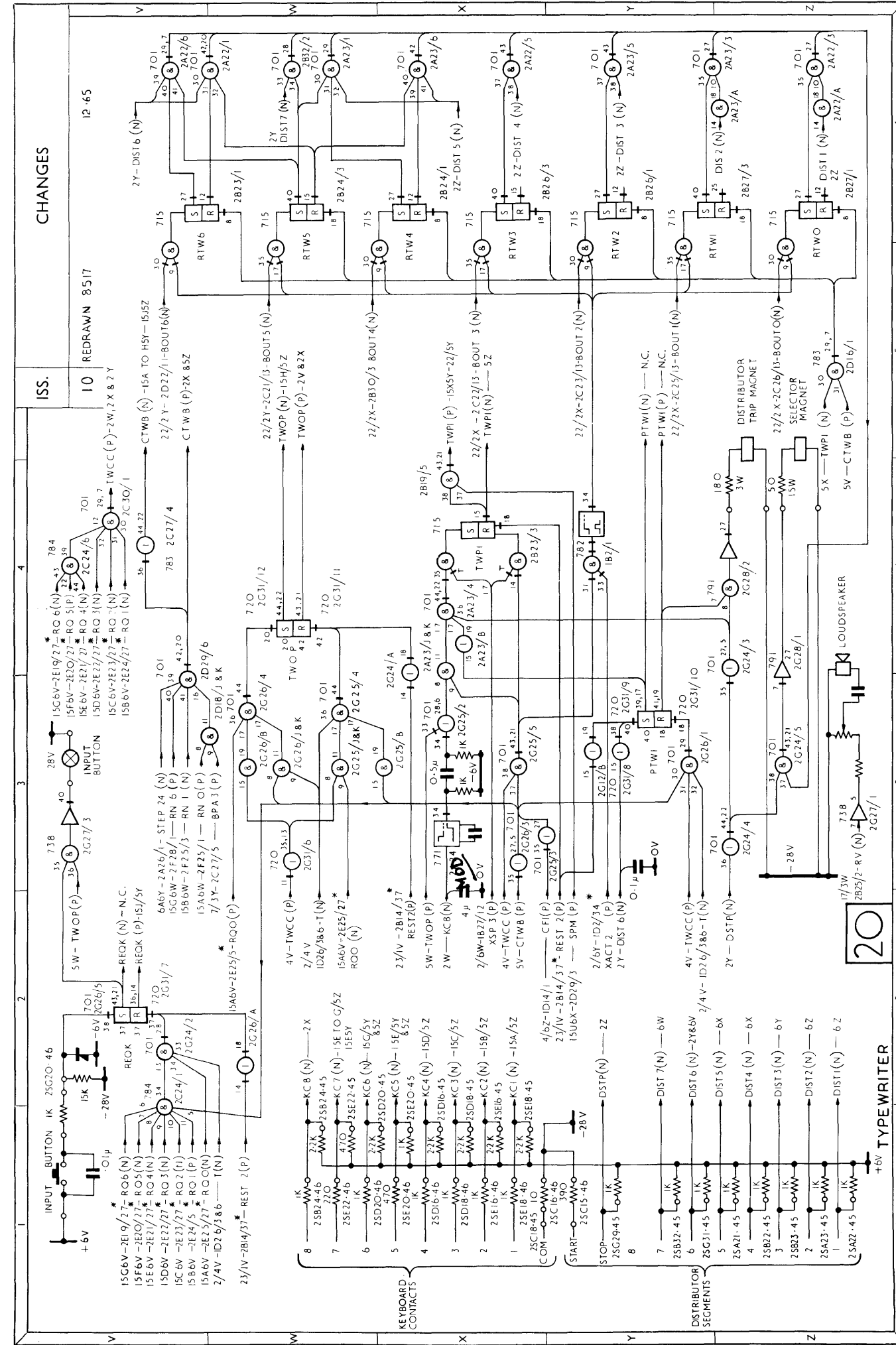
19

CHARACTER HANDLING

LOGIC DIAGRAM	5006471/15	ISSUE SHEET	D	ISSUE CAT.
DIAGRAM				

ISSUE SHEET 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

ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET. 8391



CHANGES

ISS.

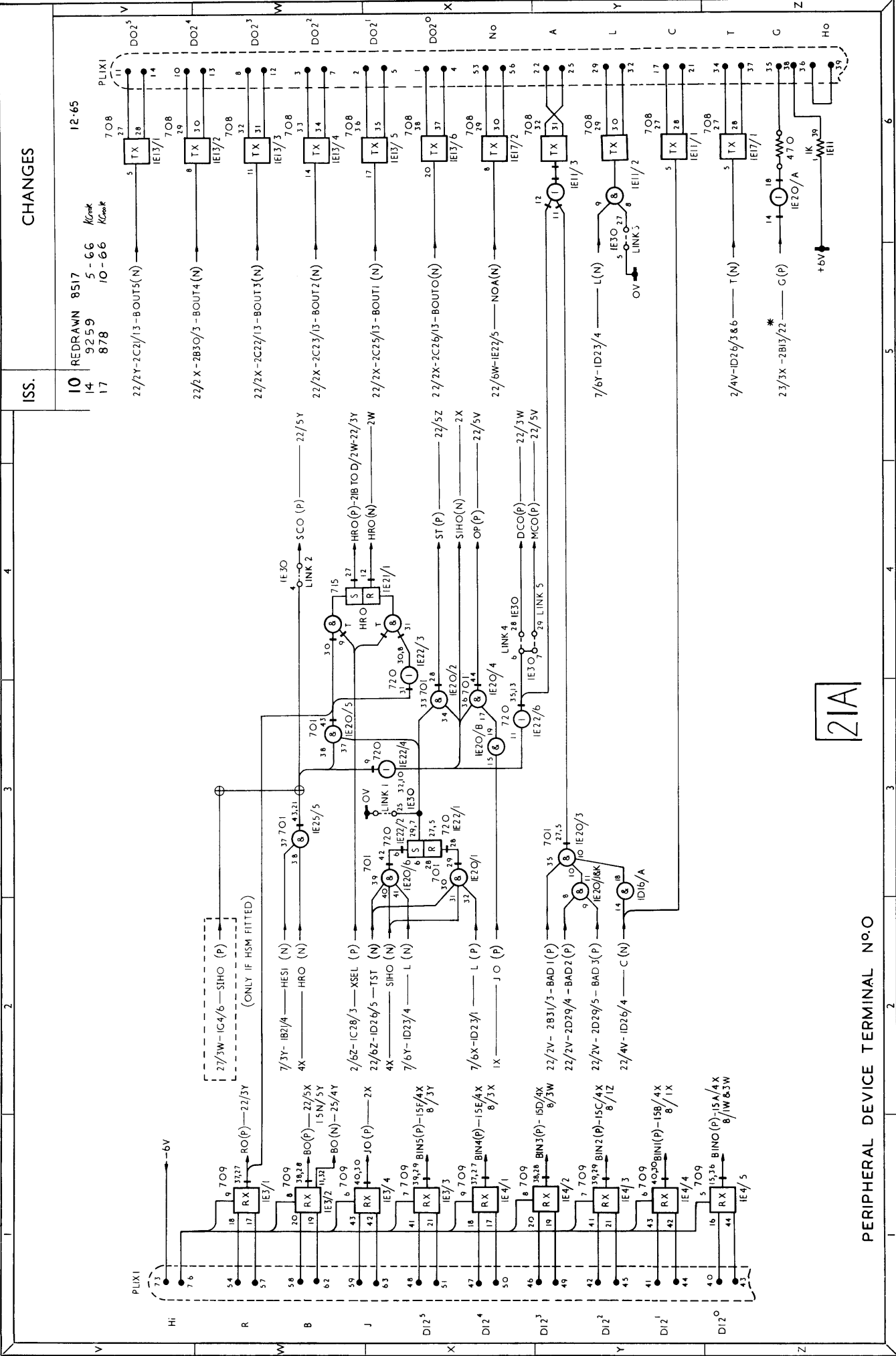
10 REDRAWN 8517

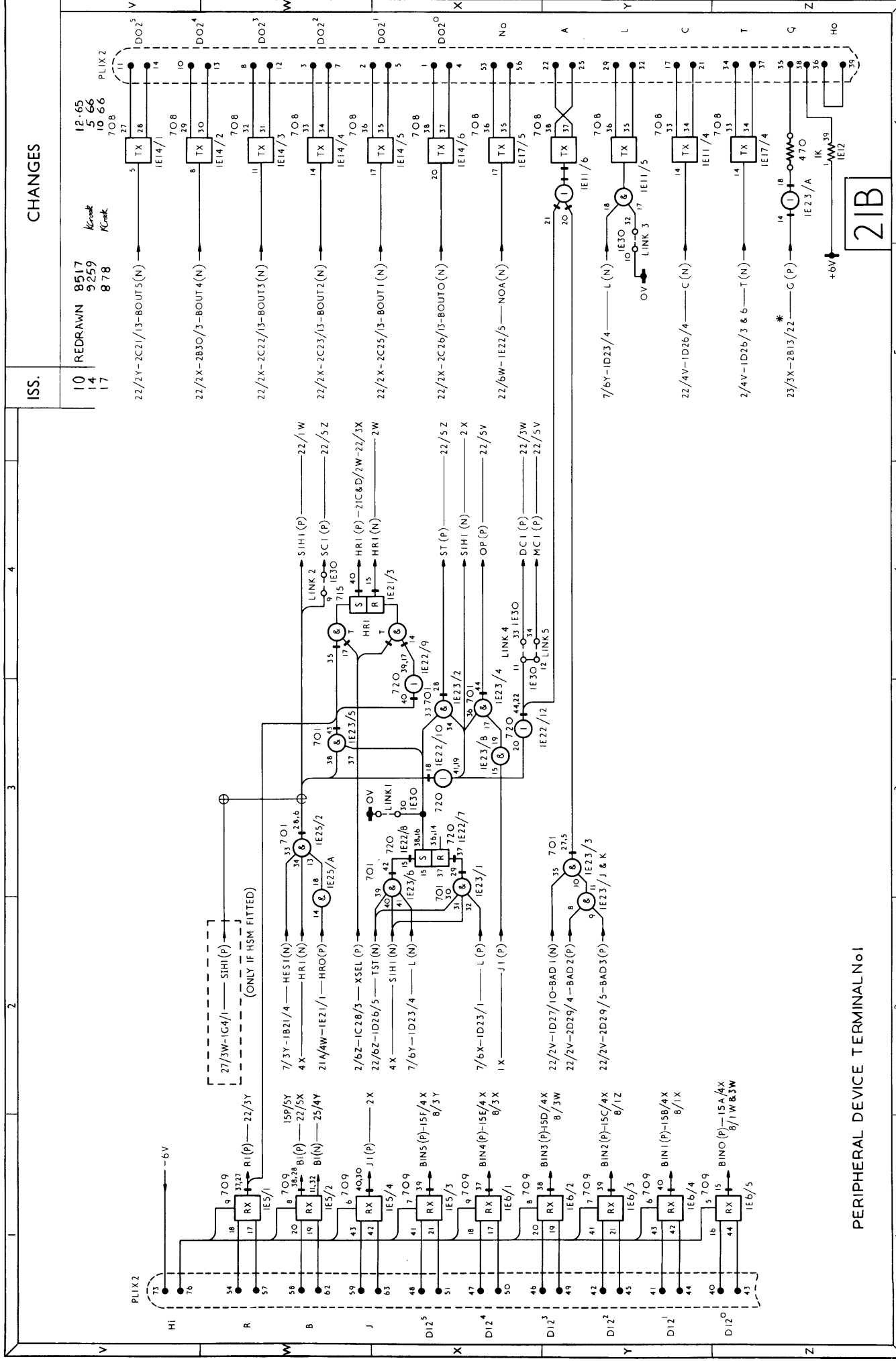
12-65

20

	<p>LOGIC DIAGRAM</p>	<p>5006471 / 10 46</p>	<p>ISSUE SHEET</p>
	<p>DIAGRAM.</p>	<p>ISSUE SHEET</p>	<p>ISSUE SHEET</p>
	<p>DIAGRAM.</p>		

NUMBER OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.





PERIPHERAL DEVICE TERMINAL NO 1

CHANGES

ISS.	REDRAWN	BY	DATE	DESCRIPTION
10	8517	Krank		
14	9259	Krank		
17	878	Krank		
22	2Y-2C21/13-BOU5(N)			
22	2X-2B30/3-BOU4(N)			
22	2X-2C22/13-BOU3(N)			
22	2X-2C23/13-BOU2(N)			
22	2X-2C25/13-BOU1(N)			
22	2X-2C26/13-BOU0(N)			
22	6W-IE22/5-NOA(N)			
7	6Y-ID23/4-L(N)			
22	4V-ID26/4-C(N)			
2	4V-ID26/3&6-T(N)			
23	3X-2B13/22-C(P)			

21B



LOGIC DIAGRAM

5006471 / 17

ISSUE SHEET

DIAGRAM

49

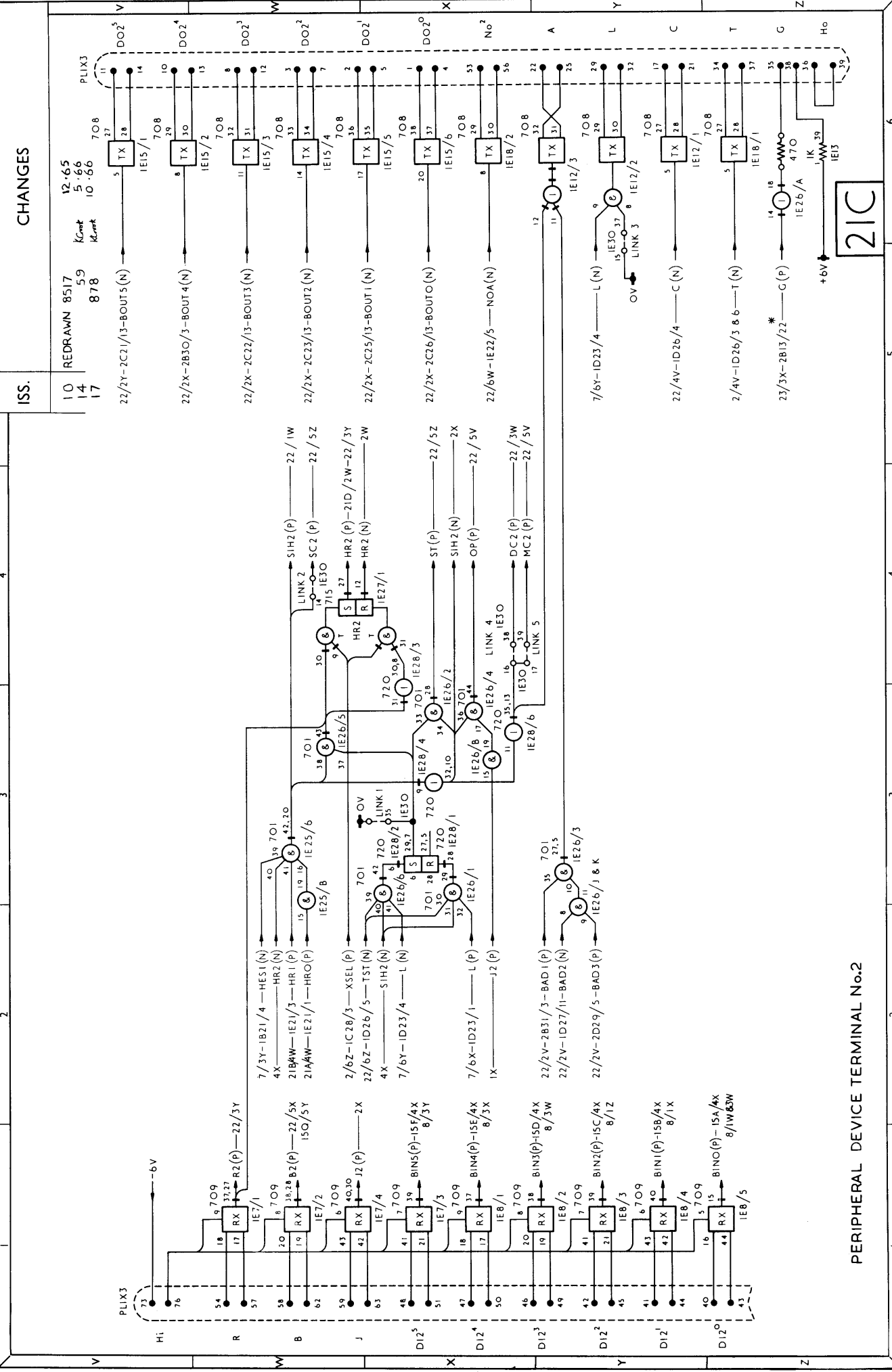
ISSUE SHEET

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
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8391

PERIPHERAL DEVICE TERMINAL No.2

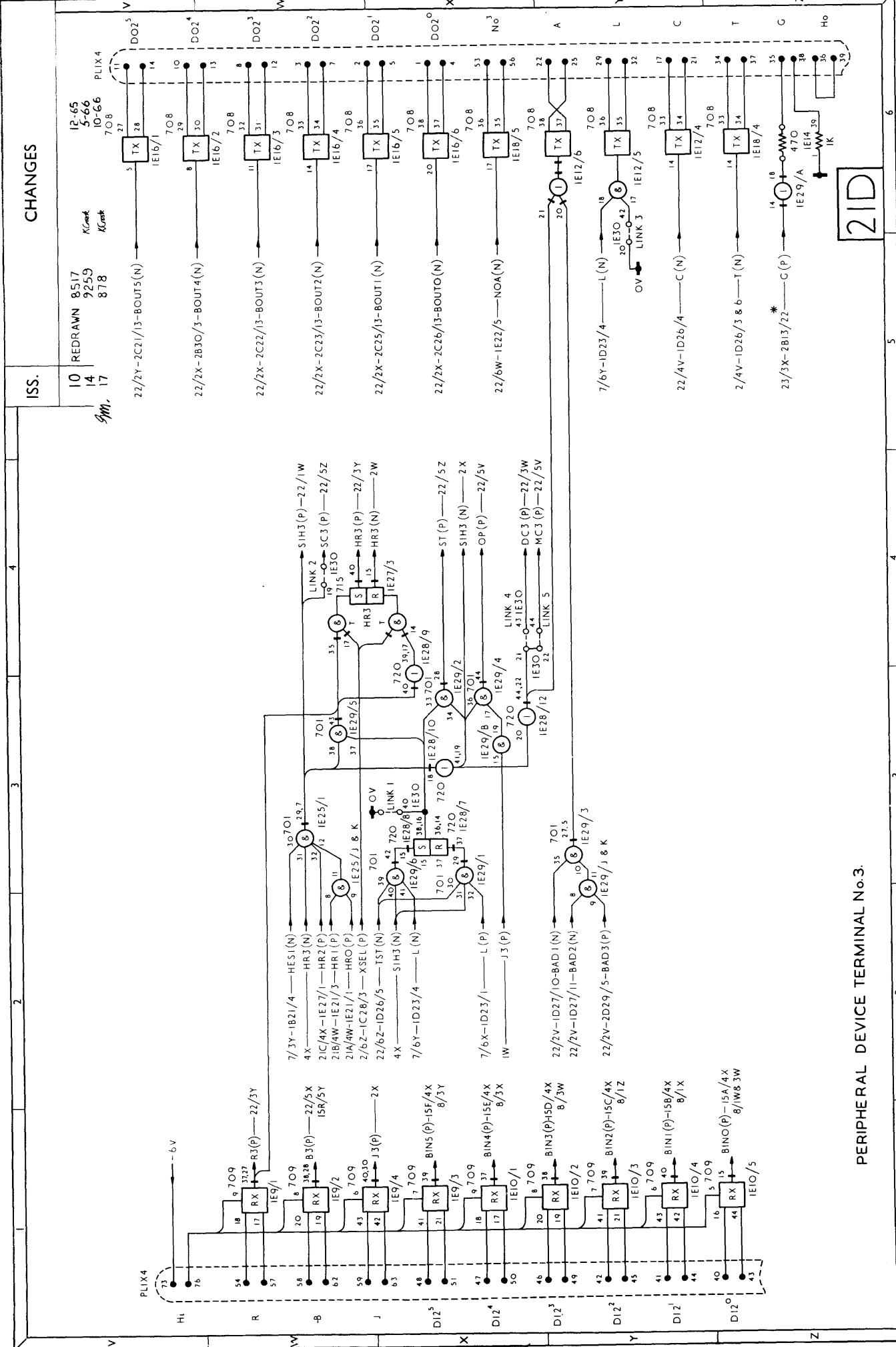
21C



CHANGES

ISS.

10	REDRAWN 8517	12-65
14	59	5-66
17	878	10-66
	22/2X-2C21/13-BOU5(N)	708 TX 27 IE15/1
	22/2X-2B30/3-BOU4(N)	708 TX 28 IE15/1
	22/2X-2C22/13-BOU3(N)	708 TX 29 IE15/2
	22/2X-2C23/13-BOU2(N)	708 TX 30 IE15/3
	22/2X-2C25/13-BOU1(N)	708 TX 31 IE15/4
	22/2X-2C26/13-BOU0(N)	708 TX 32 IE15/5
	22/6W-1E22/5-NOA(N)	708 TX 33 IE15/6
	7/6Y-1D23/4-L(N)	708 TX 34 IE12/3
	22/4V-1D26/3 & 6-T(N)	708 TX 35 IE12/2
	23/3X-2B13/22-C(P)	708 TX 36 IE18/1
		708 TX 37 IE18/1
		708 TX 38 IE18/1
		708 TX 39 IE18/1
		708 TX 40 IE18/1
		708 TX 41 IE18/1
		708 TX 42 IE18/1
		708 TX 43 IE18/1
		708 TX 44 IE18/1
		708 TX 45 IE18/1
		708 TX 46 IE18/1
		708 TX 47 IE18/1
		708 TX 48 IE18/1
		708 TX 49 IE18/1
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		708 TX 52 IE18/1
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		708 TX 54 IE18/1
		708 TX 55 IE18/1
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		708 TX 93 IE18/1
		708 TX 94 IE18/1
		708 TX 95 IE18/1
		708 TX 96 IE18/1
		708 TX 97 IE18/1
		708 TX 98 IE18/1
		708 TX 99 IE18/1
		708 TX 100 IE18/1



CHANGES

ISS.

10	REDRAWN	8517	
14		9259	KCrnk
17		878	KCrnk

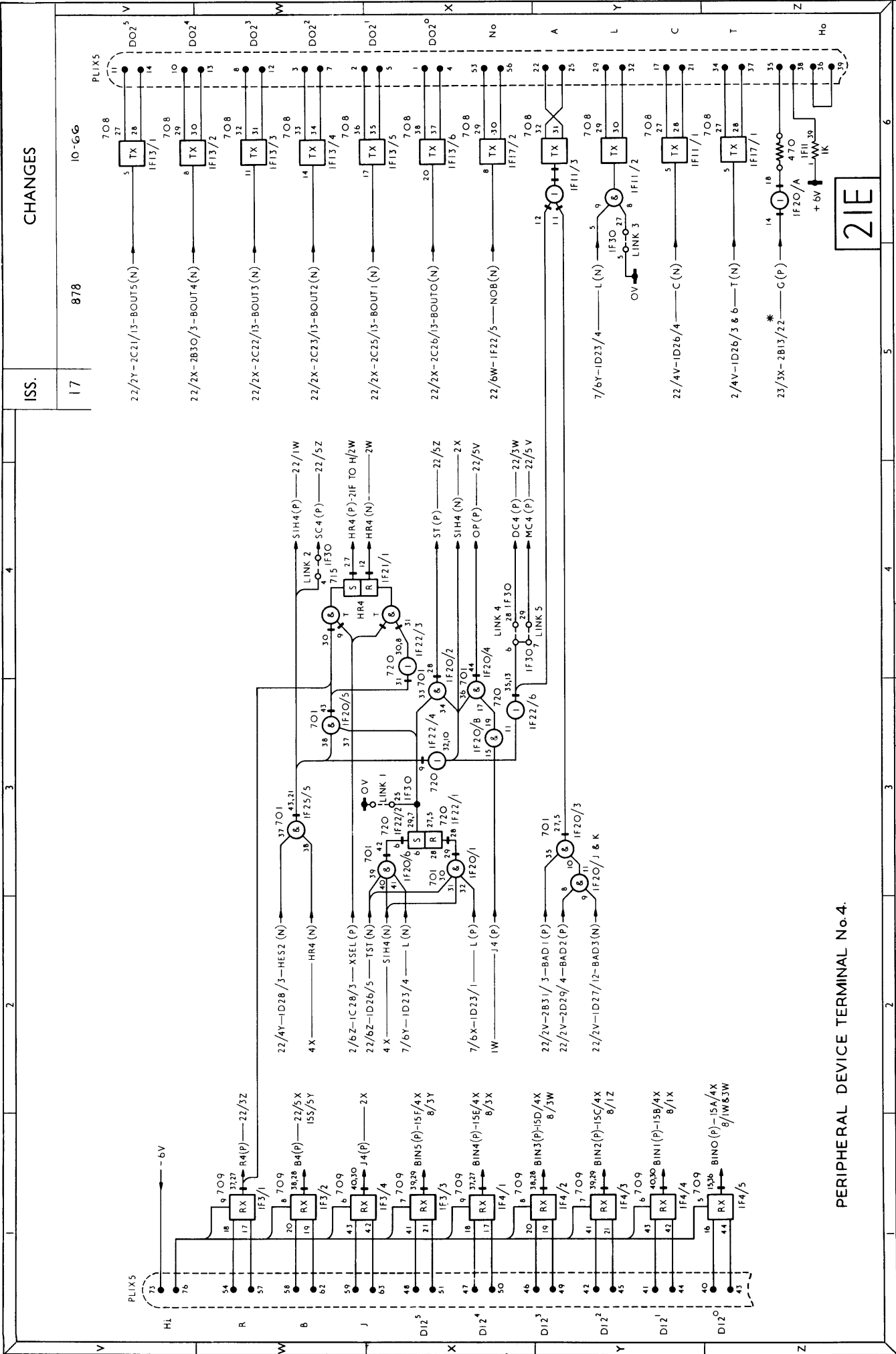
Am.

22/2Y-2C21/13-BOU5(N)	5	TX	28	708	PLIX 4
	27	IE16/1	14	10-66	
	10	TX	30	708	
	8	IE16/2	13		
22/2X-2B30/3-BOU4(N)	11	TX	31	708	
	32	IE16/3	12		
22/2X-2C22/13-BOU3(N)	14	TX	34	708	
	33	IE16/4	7		
22/2X-2C23/13-BOU2(N)	17	TX	35	708	
	36	IE16/5	2		
22/2X-2C25/13-BOU1(N)	20	TX	37	708	
	38	IE16/6	4		
22/2X-2C26/13-BOU0(N)	17	TX	35	708	
	36	IE18/5	56		
22/6W-IE22/5-NOA(N)	21	TX	37	708	
	20	IE12/6	25		
7/6Y-ID23/4-L(N)	18	TX	35	708	
	20	IE30-42	32		
	17	LINK 3	17	IE12/5	
22/4V-ID26/4-C(N)	14	TX	34	708	
	33	IE12/4	21		
2/4V-ID26/3 & 6-T(N)	14	TX	34	708	
	33	IE18/4	37		
23/3X-2B13/22-C(P)	14	TX	34	708	
	16	IE29/A	470		
	14	IE29/A	470		
	14	IE14	39		
	14	IK	39		

21D

PERIPHERAL DEVICE TERMINAL No.3.

	LOGIC DIAGRAM	5006471 / 17	ISSUE	50	D	ISSUE	17	50	DIAGRAM																						
	PERIPHERAL DEVICE TERMINAL No.3.	5006471 / 17	ISSUE	50	D	ISSUE	17	50	DIAGRAM																						
SHEET		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
ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.																															
8391																															



CHANGES

ISS. 17

878

10-66

22/2Y-2C21/13-BOU5(N)	708 TX 27 IF13/1	5
22/2X-2B30/3-BOU4(N)	708 TX 30 IF13/2	8
22/2X-2C22/13-BOU3(N)	708 TX 31 IF13/3	11
22/2X-2C23/13-BOU2(N)	708 TX 34 IF13/4	14
22/2X-2C25/13-BOU1(N)	708 TX 35 IF13/5	17
22/2X-2C26/13-BOU0(N)	708 TX 37 IF13/6	20
22/6W-1F22/5-NOB(N)	708 TX 30 IF17/2	8
7/6Y-ID23/4-L(N)	708 TX 29 IF11/3	12
22/4V-ID26/4-C(N)	708 TX 28 IF11/1	5
2/4V-ID26/3&6-T(N)	708 TX 28 IF17/1	5
23/3X-2B13/22-C(P)	708 TX 28 IF17/1	5

ZIE

PERIPHERAL DEVICE TERMINAL No.4.

	LOGIC DIAGRAM	5006471 / 17	ISSUE SHEET	51	CAT	D	ISSUE	4	5	6
	DIAGRAM	5006471	17	51	D	D	ISSUE	4	5	6
	DIAGRAM	5006471	17	51	D	D	ISSUE	4	5	6

SHEET 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

ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.

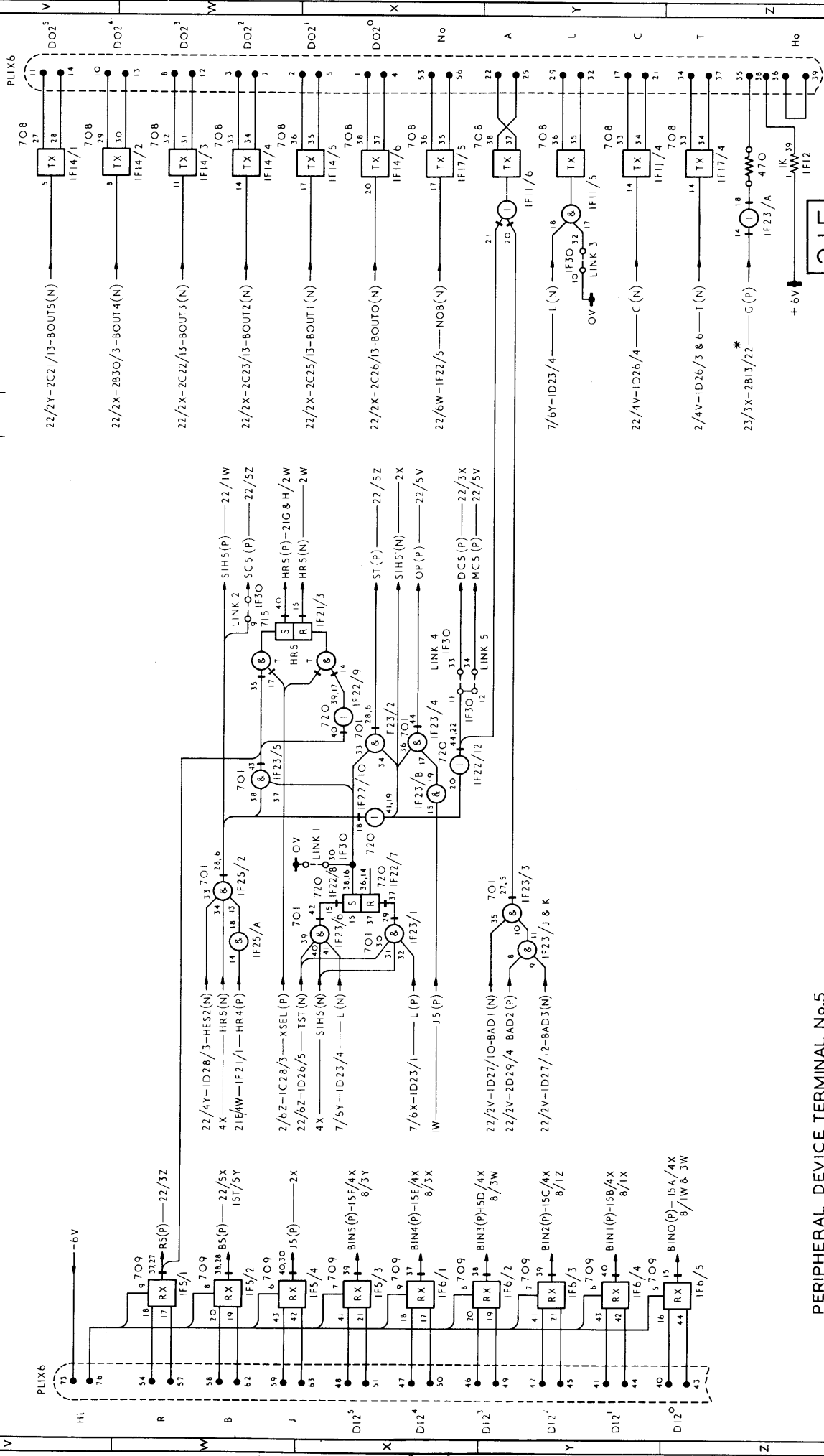
8391

CHANGES

ISS.

17 878

10-66



PERIPHERAL DEVICE TERMINAL No.5

21F



LOGIC DIAGRAM

5006471 / 17

52 SHEET

D CAT

ISSUE

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
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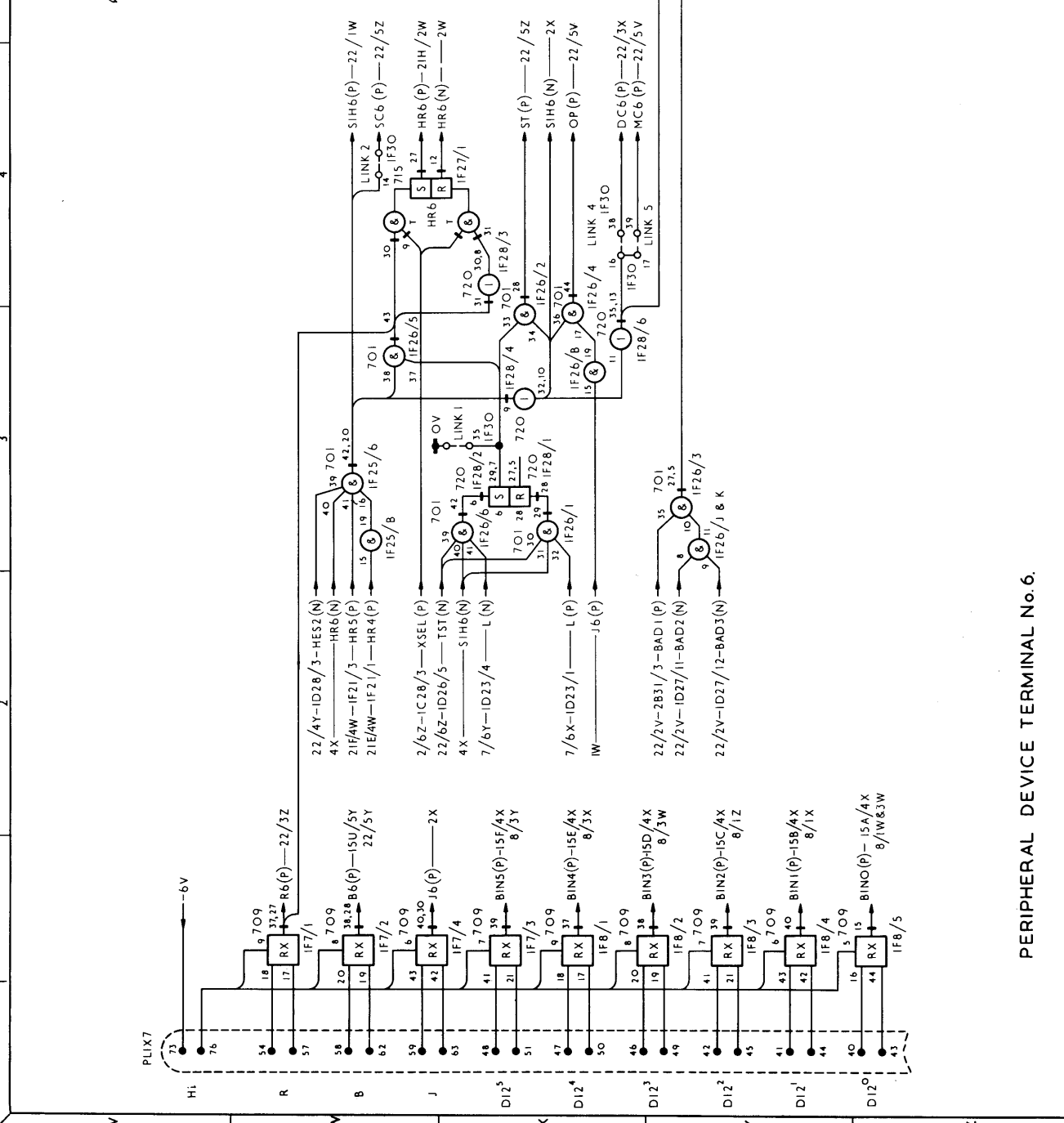
ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.

8991

CHANGES

ISS.

10 REDRAWN 8517 12-65
 14 9259 5-66
 17 878 10-66



PERIPHERAL DEVICE TERMINAL No. 6.

21G

ISSUE SHEET 17 53 SHEET CAT D

LOGIC DIAGRAM 5006471 / 17 53 SHEET

DIAGRAM

ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.

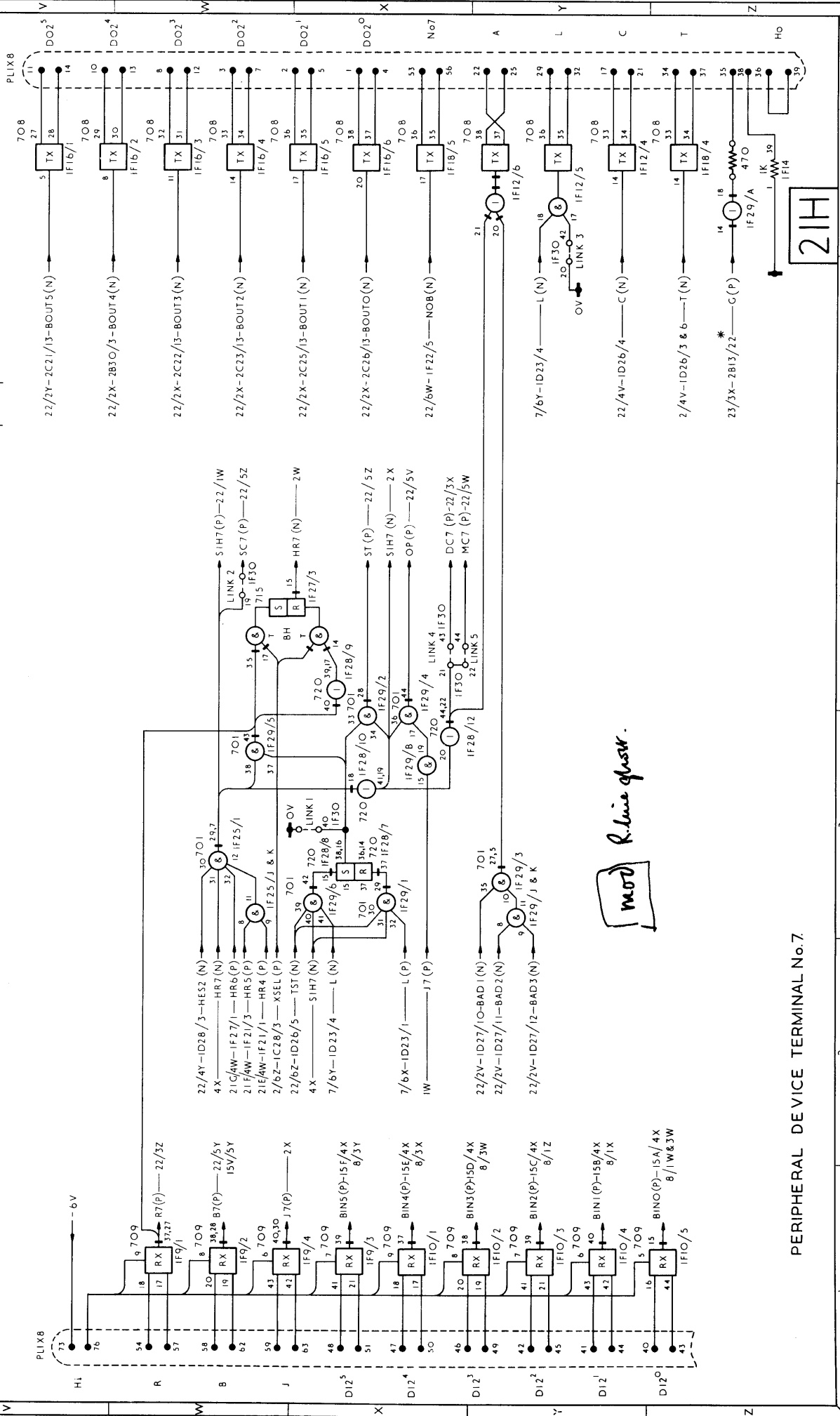
8891

CHANGES

ISS.

17 878

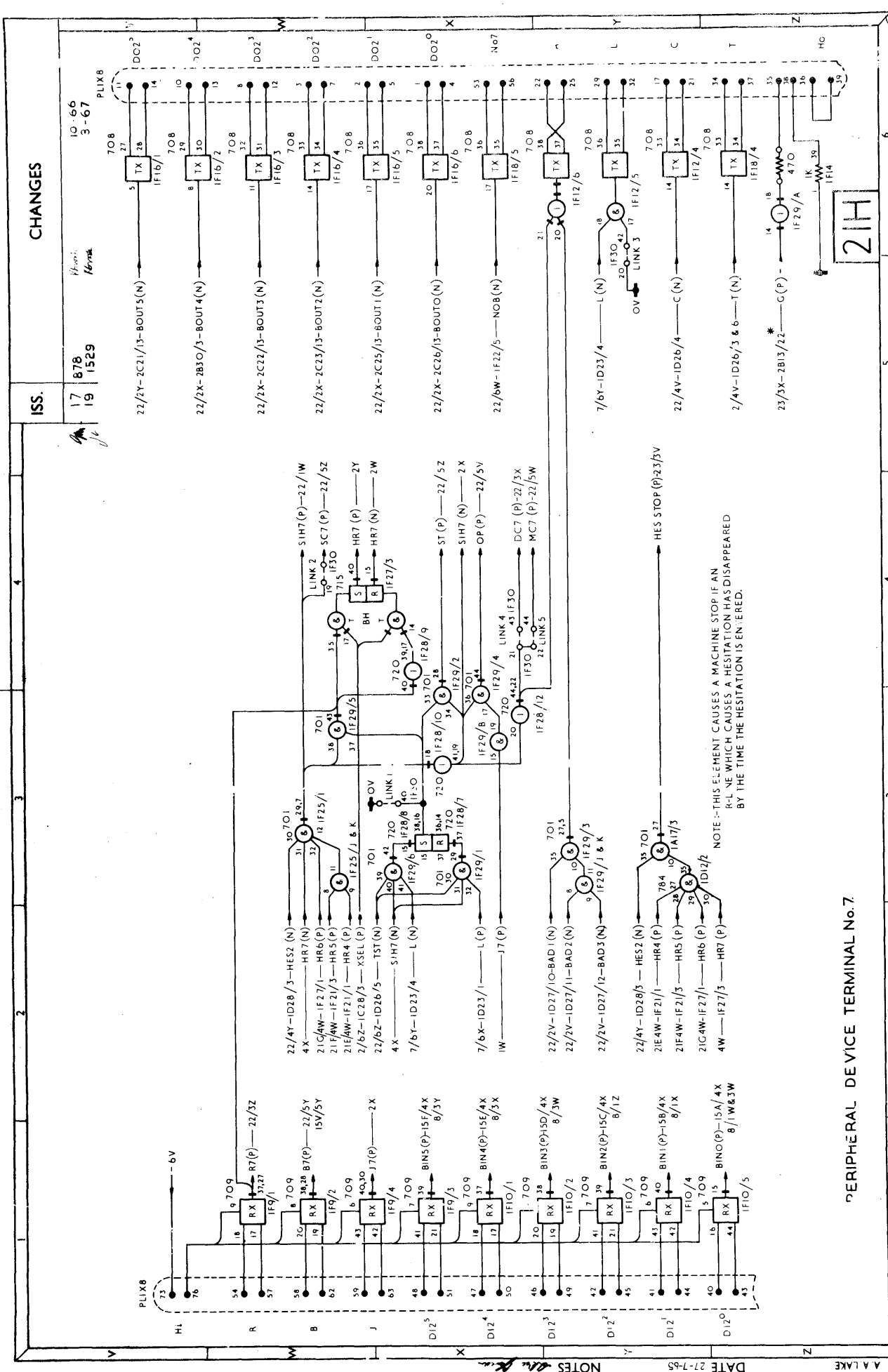
10 -66




21H

PERIPHERAL DEVICE TERMINAL No.7.

	LOGIC DIAGRAM	5006471 / 17	54	D	ISSUE	SHEET 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																														8391
	DIAGRAM	5006471 / 17	54	D	ISSUE	SHEET 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																														8391
	PERIPHERAL DEVICE TERMINAL No.7.						ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.																													



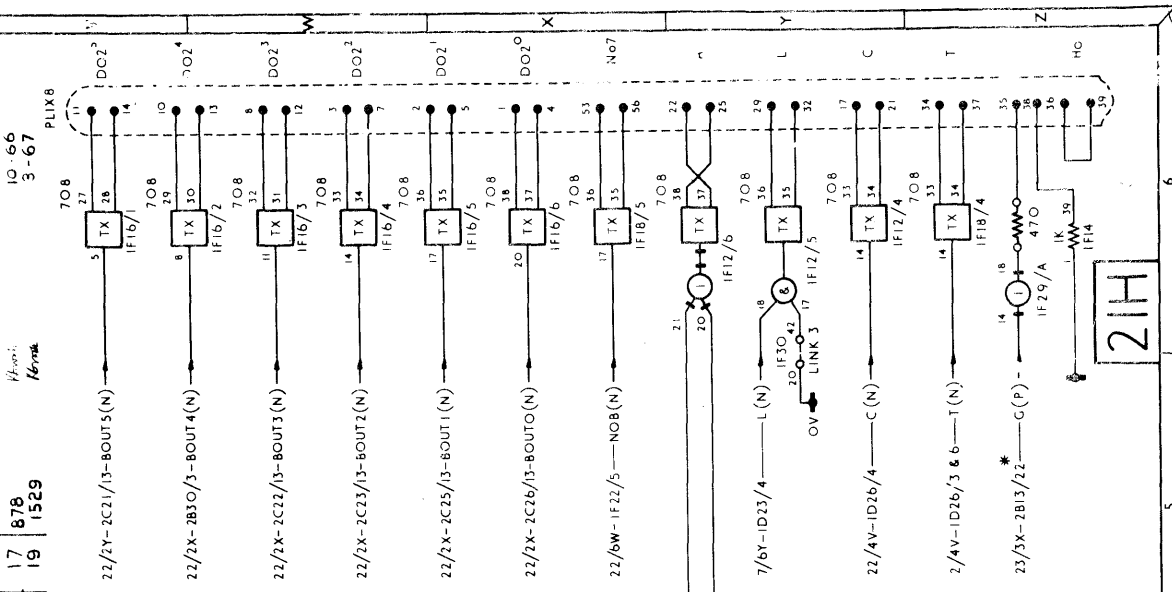
	LOGIC DIAGRAM	5006471 / 19	SHEET 54	CAT D	ISSUE	ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
	DIAGRAM	5006471 / 19	SHEET 54	CAT D	ISSUE	

ISS.

17 878
19 1529

CHANGES

10-66
3-67



DATE 2-7-65

NOTES

PERIPHERAL DEVICE TERMINAL No.7

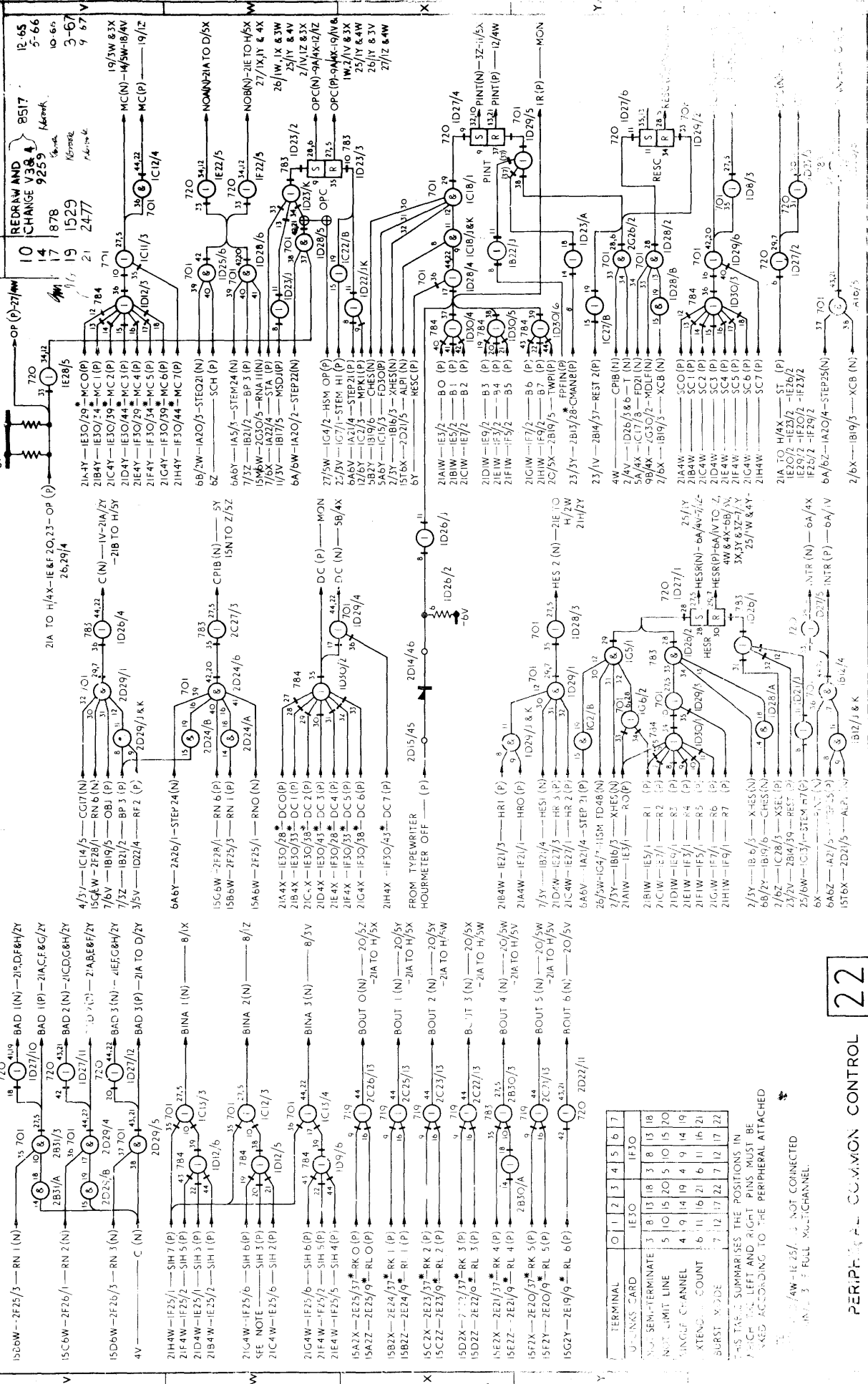
NOTE - THIS ELEMENT CAUSES A MACHINE STOP IF AN ELEMENT WHICH CAUSES A HESITATION HAS DISAPPEARED BY THE TIME THE HESITATION IS ENDED.

CHANGES

ISS.

10 REDRAW AND CHANGE V236 & 8517
14 1878
17 1529
19 2477
21 701

12 65
5-66
10 60
3-67
9 67



PERIPHERAL CONTROL

ISSUE SHEET 55

LOGIC DIAGRAM

DIAGRAM

ISSUE SHEET 55

SHEET 112345678910111213141516171819202122

ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET

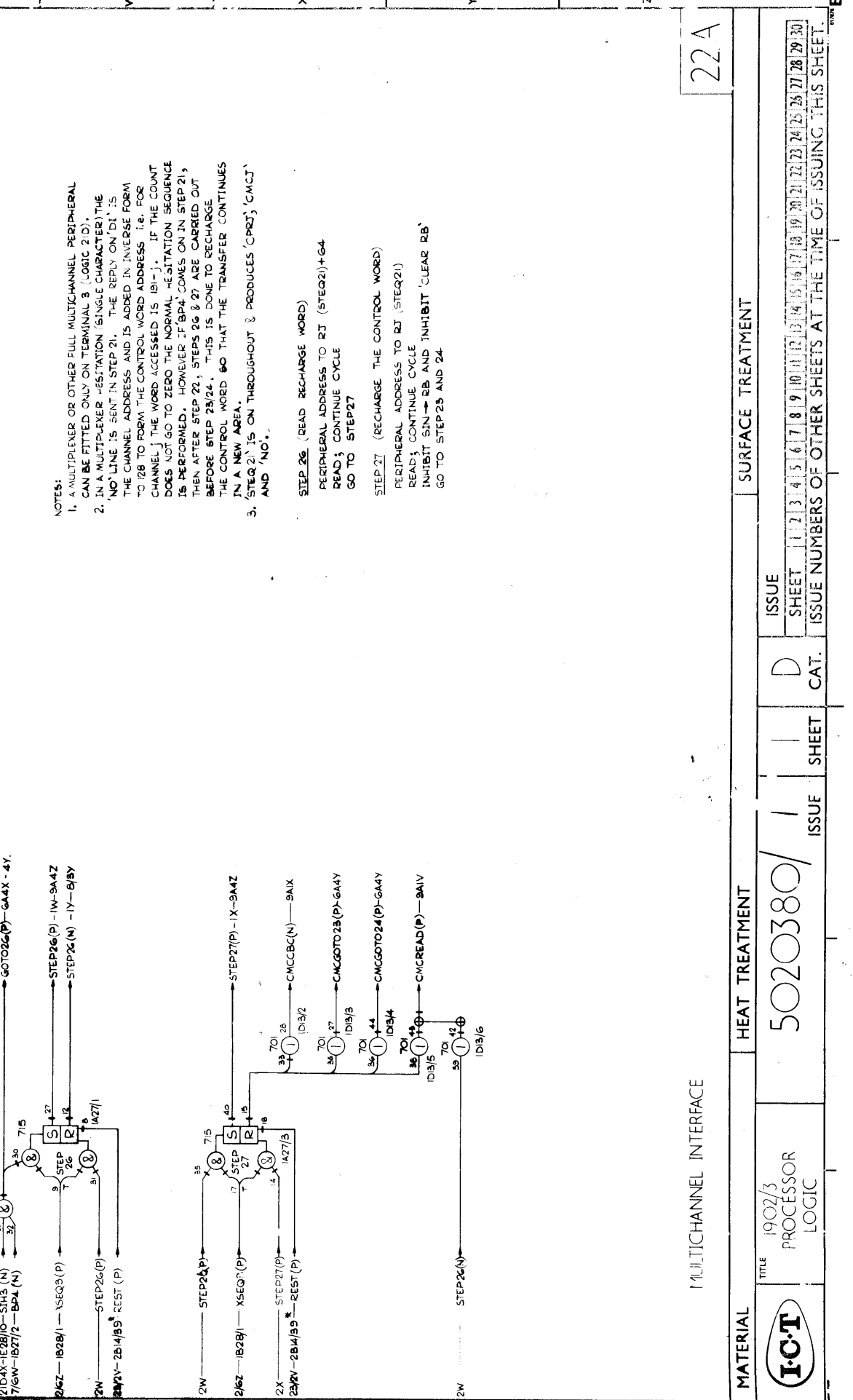
NOTES

THIS TABLE SUMMARIZES THE POSITIONS IN WHICH THE LEFT AND RIGHT PINS MUST BE WAXED ACCORDING TO THE PERIPHERAL ATTACHED

AW-IE25/1 - NOT CONNECTED

AW-IE25/2 - FULL MULTICHANNEL

DRG. No.	5020380	6
ISS.	1529	3-67
CHANGES		



NOTES:
 1. A MULTIPLIER OR OTHER FULL MULTICHANNEL PERIPHERAL CAN BE FITTED ONLY ON TERMINAL B (LOGIC 21D).
 2. IN A MULTIPLIER - RESTATION (SINGLE CHARACTER) THE 'NO' LINE IS SENT IN STEP 21. THE REPLY ON 'DI' IS THE CHANNEL ADDRESS AND IS ADDED IN INVERSE FORM TO 128 TO FORM THE CONTROL WORD ADDRESS. I.E. FOR CHANNEL J THE WORD ACCESSED IS 181-J. IF THE COUNT DOES NOT GO TO ZERO THE NORMAL RESTATION SEQUENCE IS PERFORMED. HOWEVER IF 'BP4' COMES ON IN STEP 21, THEN AFTER STEP 22, STEPS 26 & 27 ARE CARRIED OUT BEFORE STEP 23/24. THIS IS DONE TO RECHARGE THE CONTROL WORD SO THAT THE TRANSFER CONTINUES IN A NEW AREA.
 3. 'STEP 21' IS ON THROUGHOUT & PRODUCES 'CPRT', 'CMCJ', AND 'NO'.

STEP 26 (READ RECHARGE WORD)
 PERIPHERAL ADDRESS TO RT (STEP21)+64
 READ; CONTINUE CYCLE
 GO TO STEP27

STEP 27 (RECHARGE THE CONTROL WORD)
 PERIPHERAL ADDRESS TO RT (STEP21)
 READ; CONTINUE CYCLE
 INHIBIT SIN → RB AND INHIBIT CLEAR RB
 GO TO STEP25 AND 24

22A

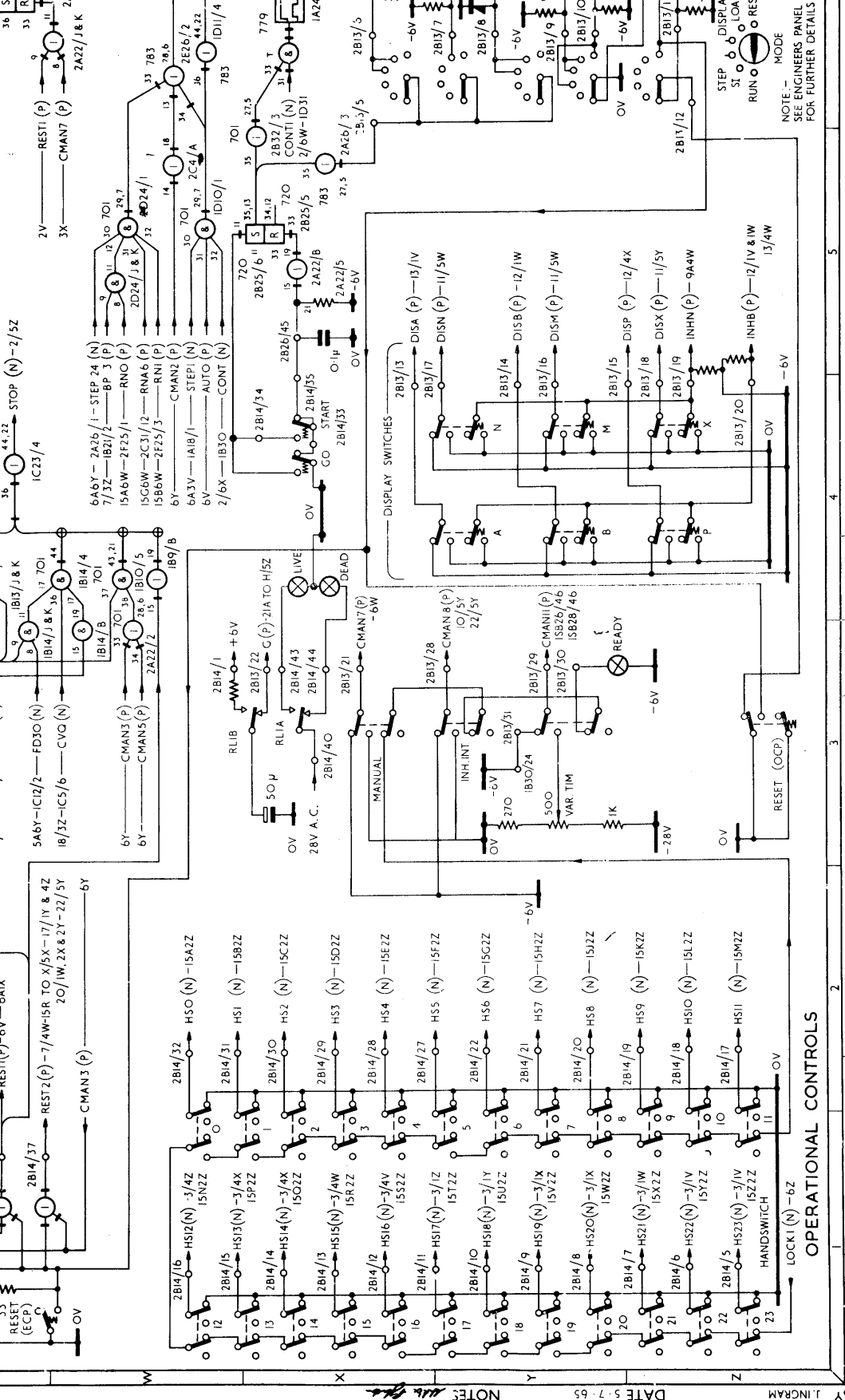
MATERIAL	HEAT TREATMENT	SURFACE TREATMENT
MULTICHANNEL INTERFACE		
TITLE	1902/3	PROCESSOR LOGIC
5020380	1	1
ISSUE	SHEET	CAT.
1	2	3
4	5	6
7	8	9
10	11	12
13	14	15
16	17	18
19	20	21
22	23	24
25	26	27
28	29	30
ISSUE NUMBERS OF OTHER SHEETS AT THE TIME OF ISSUING THIS SHEET.		

CHANGES

ISS.

SIG	DESIGNATION
REST (P)	2/3X-6AIW, 1V, 1X, 4W, 4Y
IX	1V, 3W, 3X & 3Y-7/IV, 1X
IX & 1Z	7.2A/1W & 1X
25/IV, 1W, 1X, 1Y, 1Z, 4W	
4X & 4Z	-26/1W & 1Y

SIG	DESIGNATION
REST (P)	2/3X-6AIW, 1V, 1X, 4W, 4Y
IX	1V, 3W, 3X & 3Y-7/IV, 1X
IX & 1Z	7.2A/1W & 1X
25/IV, 1W, 1X, 1Y, 1Z, 4W	
4X & 4Z	-26/1W & 1Y



ISSUE	SHEET
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30

OPERATIONAL CONTROLS

MANUAL

DISPLAY SWITCHES

STOP

LOGIC DIAGRAM

DIAGRAM

ISSUE SHEET

5006471 / 22 56

D

CAT.

ISSUE SHEET

22 56

D

CAT.

ISSUE SHEET

22 56

D

CAT.

I.C.T.

LOGIC DIAGRAM

DIAGRAM

ISSUE SHEET

5006471 / 22 56

D

CAT.

ISSUE SHEET

22 56

D

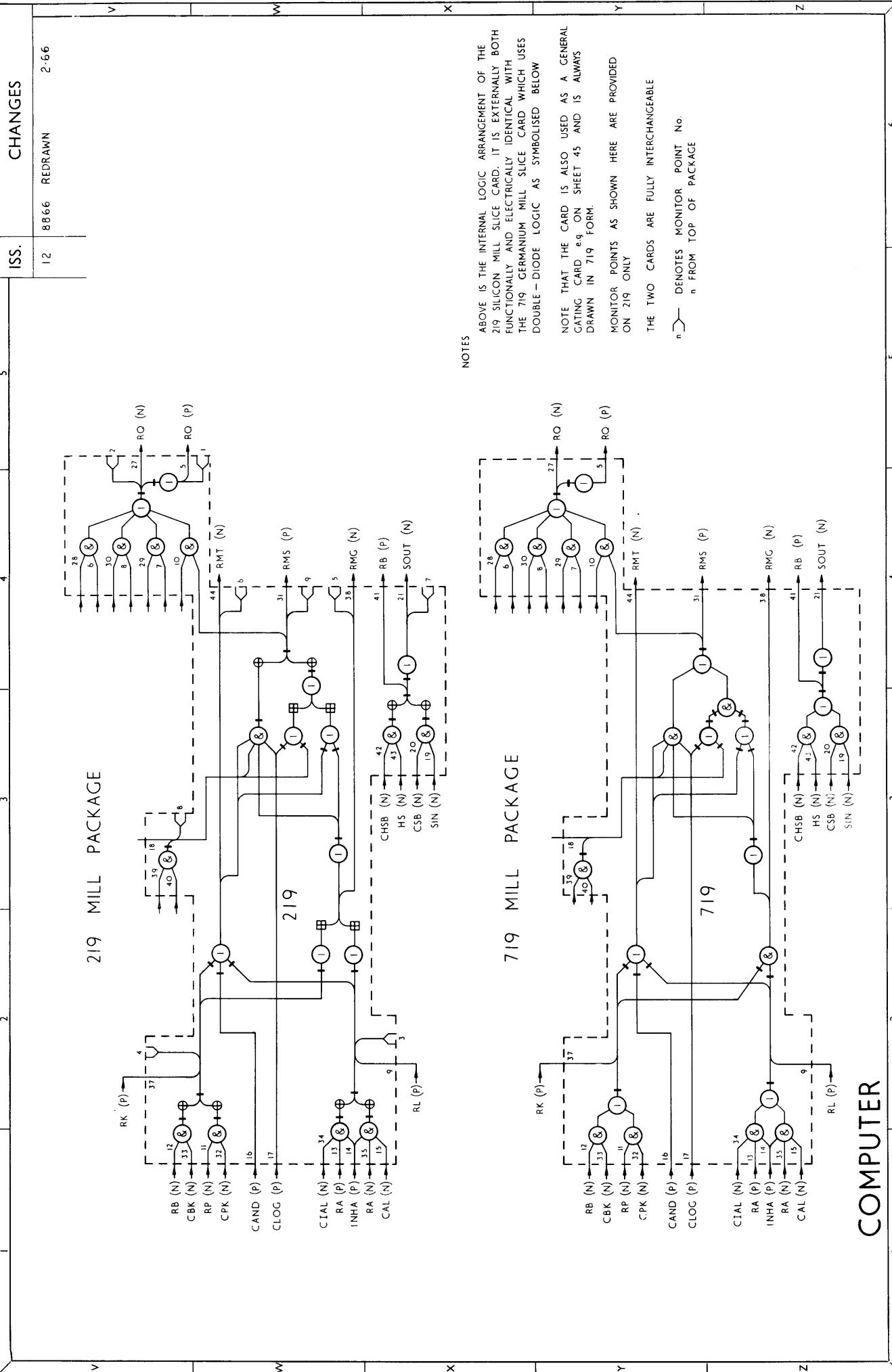
CAT.

DATE 5-7-65

DRAWN BY LINGRAM

NOTES

NOTE: SEE ENGINEERS PANEL CCT. DIAG. FOR FURTHER DETAILS.



ISS. 12 8866 REDRAWN 2-66

CHANGES

NOTES

ABOVE IS THE INTERNAL LOGIC ARRANGEMENT OF THE 219 SILICON MILL SLICE CARD. IT IS EXTERNALLY BOTH FUNCTIONALLY AND ELECTRICALLY IDENTICAL WITH THE 719 GERMANIUM MILL SLICE CARD WHICH USES DOUBLE-DIODE LOGIC AS SYMBOLISED BELOW

NOTE THAT THE CARD IS ALSO USED AS A GENERAL CATING CARD e.g. ON SHEET 45 AND IS ALWAYS DRAWN IN 719 FORM.

MONITOR POINTS AS SHOWN HERE ARE PROVIDED ON 219 ONLY

THE TWO CARDS ARE FULLY INTERCHANGEABLE

n DENOTES MONITOR POINT No.
 n FROM TOP OF PACKAGE



COMPUTER

LOGIC ARRANGEMENT
 CARD 219
 LOGIC DIAGRAM

5006471 / 12 ISSUE SHEET 57 D CAT.

ISSUE SHEET 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

ISSUE SHEET 12 8866 REDRAWN 2-66

8391