

J. SAPPINGTON

CF 32

REVISION K

T. J. GIBBONS

CSM FUNCTIONAL INTEGRATED SYSTEM SCHEMATICS-

BLOCK II

LOT NO.	BUYER NO.
684	922
DO NOT MOVE MERCHANDISE WITHOUT AUCTION PERSONNEL PRESENT. ALL SALES FINAL. SOLD AS IS, WHERE IS.	

USED ON
V34-900000

NEXT REVISION AVAILABLE 06-16-66 (REV L)

PREPARED PER CCA 379/442/487

DR BY	L. R. LOTH	5/6/66	NORTH AMERICAN AVIATION, INC. SPACE and INFORMATION SYSTEMS DIVISION 12214 LAKEWOOD BLVD., DOWNEY, CALIFORNIA		
CHK BY	692-202	6205,6			
APPROVED BY			CSM FUNCTIONAL INTEGRATED SYSTEM SCHEMATICS BLOCK II		
D. T. HAIGH		D. J. H. 5/6/66			
P. Anderson		5/6/66			
			CODE IDENT NO.	SIZE	V34-9000001
			03953	A	
			SCALE	REVISION K	SHEET OF III

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BLOCK II	CODE IDENT NO. 03953	SIZE A	V34-900001	
	SCALE	REV. K		SHEET 2.2

CURRENT SHEET LIST

SHEET NUMBERS ACTIVE AT:

REV. "J"	REV. "K"	REV. "L"	REV. "M"	REV. "N"	REV. "P"	REV.
1 J	1 K					
2 J	2 K					
2.1 J	2.1 K					
2.2 J	2.2 K					
3 J	3 K					
3.1 J	3.1 K					
3.2 J	3.2 K					
4 J	4 K					
	5 K					
5 J	6 K					
6 J	7 K					
7 J	7.1 K					
7.1 J	7.2 K					
7.2 J	7.3 K					
7.3 J	7.4 K					
7.4 J	7.5 K					
8 J	8 K					
8.1 J	8.1 K					
8.2 J	8.2 K					
8.3 J	8.3 K					
8.4 J	8.4 K					
8.5 J	8.5 K					
8.6 J	8.6 K					
8.7 J	8.7 K					
9 J	9 K					
9.1 J	9.1 K					
9.2 J	9.2 K					
9.3 J	9.3 K					
9.4 J	9.4 K					
9.5 J	9.5 K					
9.6 J	9.6 K					
9.7 J	9.7 K					
9.8 J	9.8 K					
9.9 J	9.9 K					
9.10 J	9.10 K					
10 J	10 K					
10.1 J	10.1 K					

TOTAL SHEETS

BLOCK II	CODE IDENT NO. 03953	SIZE A	V34-900001
	SCALE	REV. K	SHEET 3

CURRENT SHEET LIST

SHEET NUMBERS ACTIVE AT:

REV. "J"	REV. "K"	REV. "L"	REV. "M"	REV. "N"	REV. "P"	REV.
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10.3 J	10.3 K					
10.4 J	10.4 K					
10.5 J	10.5 K					
11 J	11 K					
11.1 J	11.1 K					
11.2 J	11.2 K					
11.3 J	11.3 K					
11.4 J	11.4 K					
12 J	11.5 K					
12.1 J	11.6 K					
12.2 J	11.7 K					
12.3 J	12 K					
12.4 J	12.1 K					
12.5 J	12.2 K					
12.6 J	12.3 K					
12.7 J	12.4 K					
12.8 J	12.5 K					
12.9 J	12.6 K					
12.10 J	12.7 K					
12.11 J	12.8 K					
12.12 J	12.9 K					
12.13 J	12.10 K					
12.14 J	12.11 K					
12.15 J	12.12 K					
12.16 J	12.13 K					
12.17 J	12.14 K					
13 J	12.15 K					
13.1 J	12.16 K					
13.2 J	12.17 K					
13.3 J	12.18 K					
13.4 J	12.19 K					
13.5 J	12.20 K					
13.6 J	13 K					
13.7 J	13.1 K					
14 J	13.2 K					
14.1 J	13.3 K					
14.2 J	13.4 K					

TOTAL SHEETS

BLOCK II	CODE IDENT NO. 03953	SIZE A	V34-900001			
	SCALE	REV. K	SHEET	3.1		

CURRENT SHEET LIST

SHEET NUMBERS ACTIVE AT:

REV. "J"	REV. "K"	REV. "L"	REV. "M"	REV. "N"	REV. "P"	REV.
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14.4 J	13.6 K					
14.5 J	13.7 K					
14.6 J	13.8 K					
14.7 J	14 K					
15 J	14.1 K					
15.1 J	14.2 K					
15.2 J	14.3 K					
15.3 J	14.4 K					
15.4 J	14.5 K					
15.5 J	14.6 K					
15.6 J	14.7 K					
15.7 J	15 K					
15.8 J	15.1 K					
15.9 J	15.2 K					
15.10 J	15.3 K					
15.11 J	15.4 K					
15.12 J	15.5 K					
15.13 J	15.6 K					
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	15.16 K					
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	15.18 K					
	15.19 K					
	15.20 K					
	15.21 K					
	15.22 K					
	15.23 K					

100

111

TOTAL SHEETS

BLOCK II	CODE IDENT NO. 03953	SIZE A	V34-900001			
	SCALE	REV.	K	SHEET	3.2	

REVISIONS				
SYM	DESCRIPTION	DATE	APPROVED	
	1. MAY BE REWORKED 3. RECORD CHANGE 2. CANNOT BE REWORKED 4. NOW SHOP PRACTICE 5. PARTS MADE OK			DISPOS
A	ADDED SHEETS 14.1 THRU 14.7 (REACTION CONTROL SUB-SYSTEM)	3	10-15-65 D.T.H.	
B	ADDED SHEETS 2.1, 8.2, 813, 814, AND 8.5 (ELECTRICAL POWER SYSTEM)	3	10-29-65 D.T.H.	
C	ADDED SHEETS 13.1, 13.2 AND 13.3 (SERVICE PROPULSION SUBSYSTEM) REVISED 10.1 (CRYOGENIC GAS STORAGE SUBSYSTEM).	3	11-12-65 D.T.H.	
D	ADDED SHEETS 9.1 THRU 9.10, 15.1 & 15.2 (SEQUENTIAL EVENTS CONTROL SUBSYSTEM AND TELECOMMUNICATIONS).	3	11-24-65 D.T.H.	
E	ADDED SHEETS 10.2 THRU 10.5 (ENVIRONMENTAL CONTROL SUBSYSTEM)	3	12/10/65 D.T.H.	
F	ADDED SHEETS 7.1, 12.1 THRU 12.5, 15.3 AND 15.4 DISPLAYS AND CONTROLS, STABILIZATION AND CONTROL SUBSYSTEM, AND TELECOMM)	3	12/29/65 D.T.H.	
G	ADDED SHEETS 8.5, 8.6, 11.1, 11.2, 15.5 THRU 15.8 (FUEL CELL NO. 2 & 3, GUIDANCE AND NAVIGATION & TELECOMM.) REVISED SHEETS 8.1 THRU 8.4 AND 9.1 THRU 9.10 (REVISED ELECTRICAL POWER & SEQUENTIAL EVENTS CONTROL SUBSYSTEMS).	3	1/7/66 D.T.H.	
H	ADDED SHEETS 7.2, 11.3, 15.9, THRU 15.14 (ADDITIONAL DISPLAYS AND CONTROLS, GUIDANCE & NAVIGATION, TELECOMMUNICATIONS). REVISED SHEETS 10.1 THRU 10.4, 13.1 14.1 THRU 14.7 (CRYOGENIC GAS STORAGE & ENVIRONMENTAL CONTROL, SERVICE PROPULSION, AND REACTION CONTROL SUBSYSTEMS).	3	1/25/66 D.T.H.	
J	COMPLETELY REVISED. INCORPORATED THE FOLLOWING MCR's: A1256, A3004, A3062, A3067, A3068, A3070, A3072, A3099 A3120, A3121, A3189, A3197, A3198 AND A3213.	3	4/1/66 D.T.H.	
K	COMPLETELY REVISED. INCORPORATED THE FOLLOWING MCR's: A3008, A3085, A3098, A3120 AND A3215.	3	5/6/66 D.T.H.	
BLOCK II		CODE IDENT NO. 03953	SIZE A	V34-900001
SCALE		REVISION K		SHEET 4

NOTES

1. UNDERLINED LETTERS DENOTE LOWER CASE.
2. ALL RELAY CONTACTS ARE SHOWN IN THE DE-ENERGIZED OR UNLATCHED POSITION.
3. THIS DRAWING REQUIRES NO IDENTIFICATION AND TRACEABILITY REQUIREMENTS.
4. ALL SYMBOLOGY UTILIZES MIL-STD-15-1 SUPPLEMENTED BY B14-900005.
5. FOR ADDITIONAL INTEGRATED SCHEMATICS REFER TO: V34-900000.

BLOCK II	CODE IDENT NO. 03953	SIZE A	V34-900001	
	SCALE	REV. K	SHEET	5

INDEX

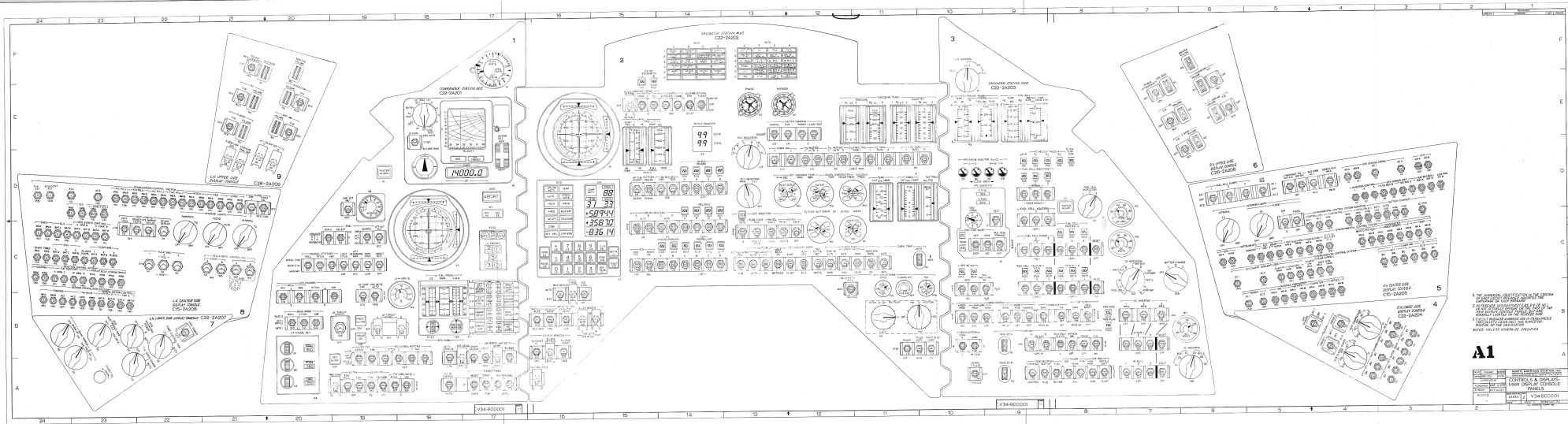
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BLOCK II	CODE IDENT NO. 03953	SIZE A	V34-900001	
	SCALE	REV. K	SHEET	6

SECTION A

DISPLAYS & CONTROLS
CAUTION & WARNING

BLOCK 11	CODE IDENT NO. 03953	SIZE A	V34-900001	
	SCALE	REV. K	SHEET	7



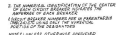
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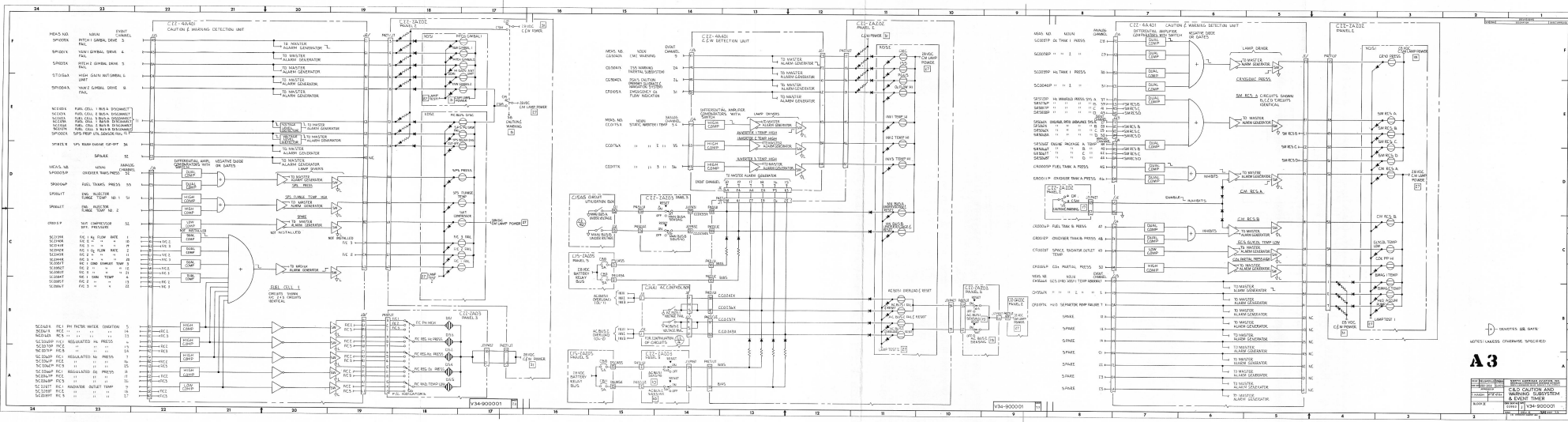
2. INSTRUMENTS IDENTIFIED BY A 'P' OR 'M' ARE NOT ACTUALLY INSTALLED IN THE COCKPIT OF THE AIRCRAFT. THESE INSTRUMENTS ARE IDENTIFIED BY A 'P' OR 'M' IN THE CENTER OF THE INSTRUMENT.

NOTES: UNLESS OTHERWISE SPECIFIED

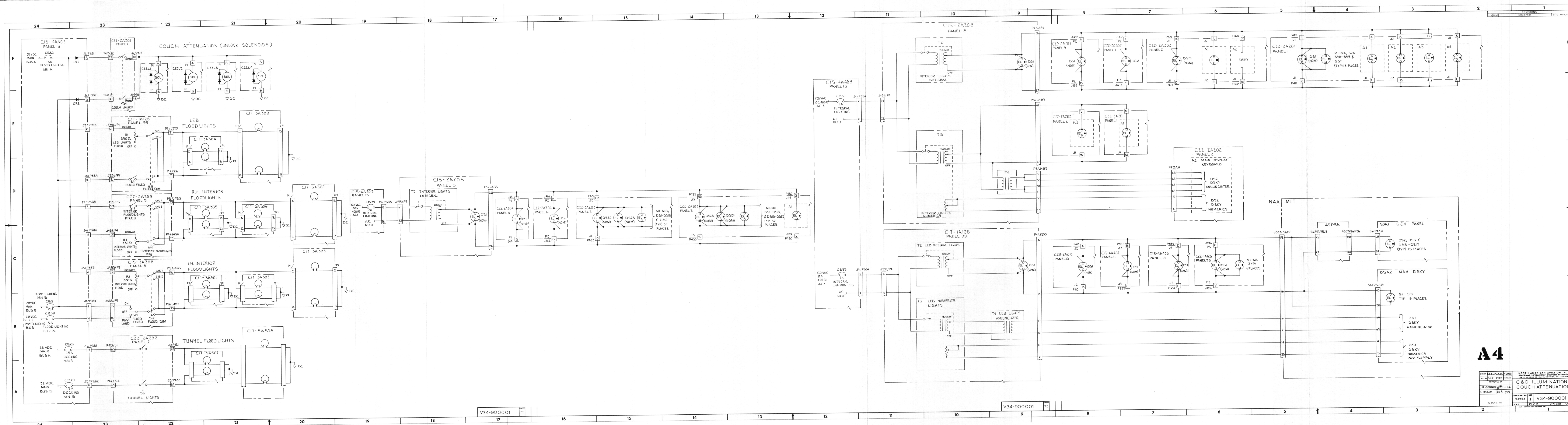
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3	ENGINE SECTION ACC C22-2A203	1	
4	ENGINE SECTION ACC C22-2A204	1	
5	ENGINE SECTION ACC C22-2A205	1	
6	ENGINE SECTION ACC C22-2A206	1	
7	ENGINE SECTION ACC C22-2A207	1	
8	ENGINE SECTION ACC C22-2A208	1	
9	ENGINE SECTION ACC C22-2A209	1	

[illegible]



NOTES: UNLESS OTHERWISE SPECIFIED:
A3
C&D CAUTION AND WARNING SUBSYSTEM & EVENT TIMER
V34-900001



A4

DESIGNED BY	DELGADILLO	DATE	12/28/54
APPROVED BY	J. R. GEMMEL	DATE	1/15/55
T. HANCOCK	12/28/54		
QUANTITY	1	REV	K
SCALE	1" = 1'-0"	SHEET	7-5

SECTION C

ELECTRICAL POWER SUBSYSTEM
AND
FUEL CELLS

BLOCK II

CODE IDENT NO.
03953

SIZE

A

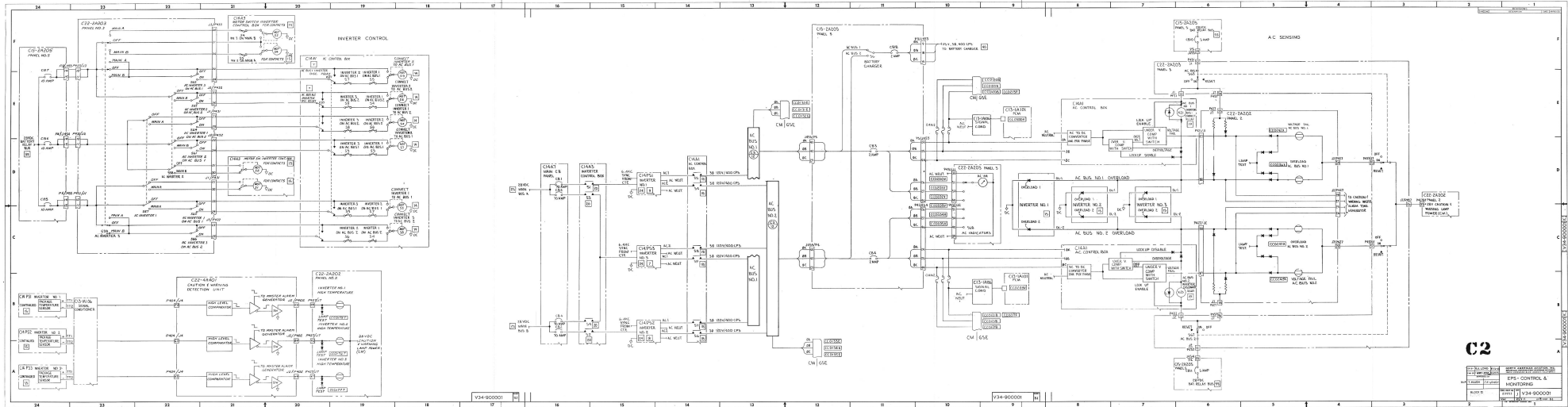
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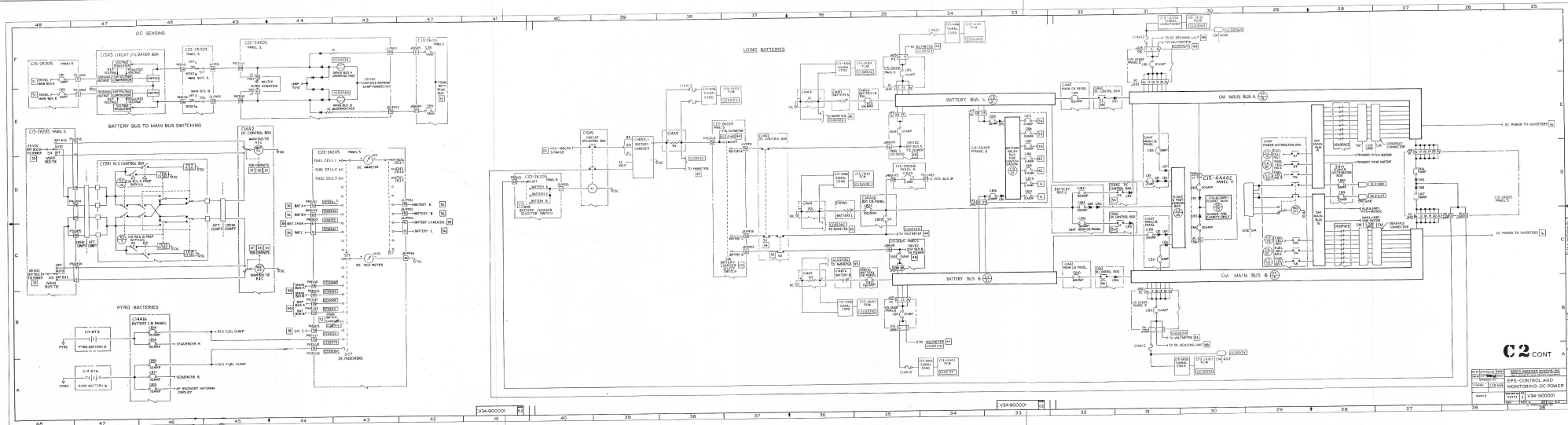
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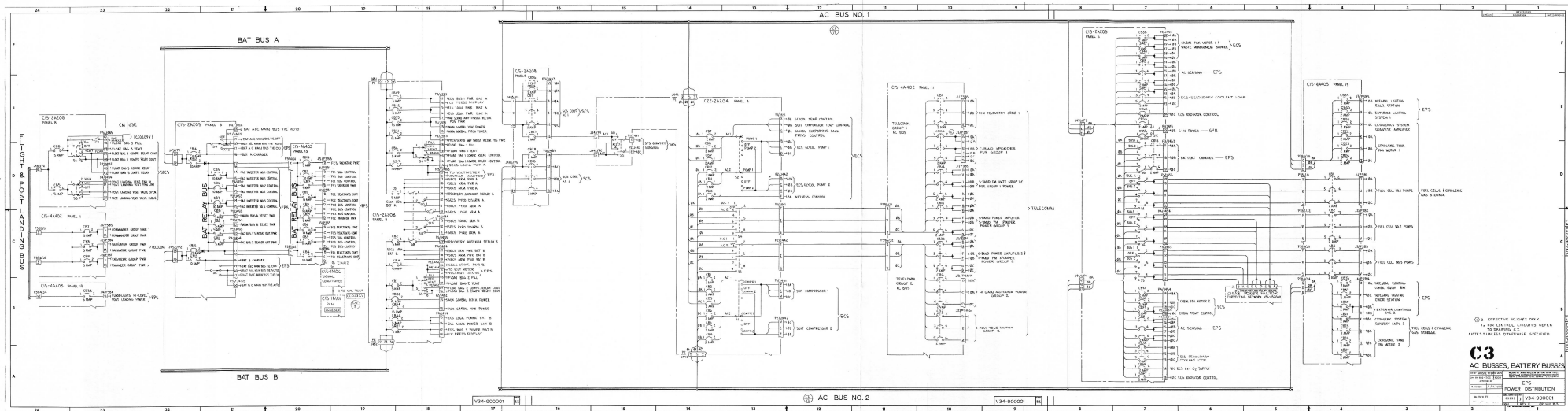
REV. K

SHEET

8







① 2 EFFECTIVE SLICIFTS ONLY.
1. FOR CONTROL CIRCUITS REFER
TO DRAWING C-2
NOTES UNLESS OTHERWISE SPECIFIED

C3

AC BUSES, BATTERY BU

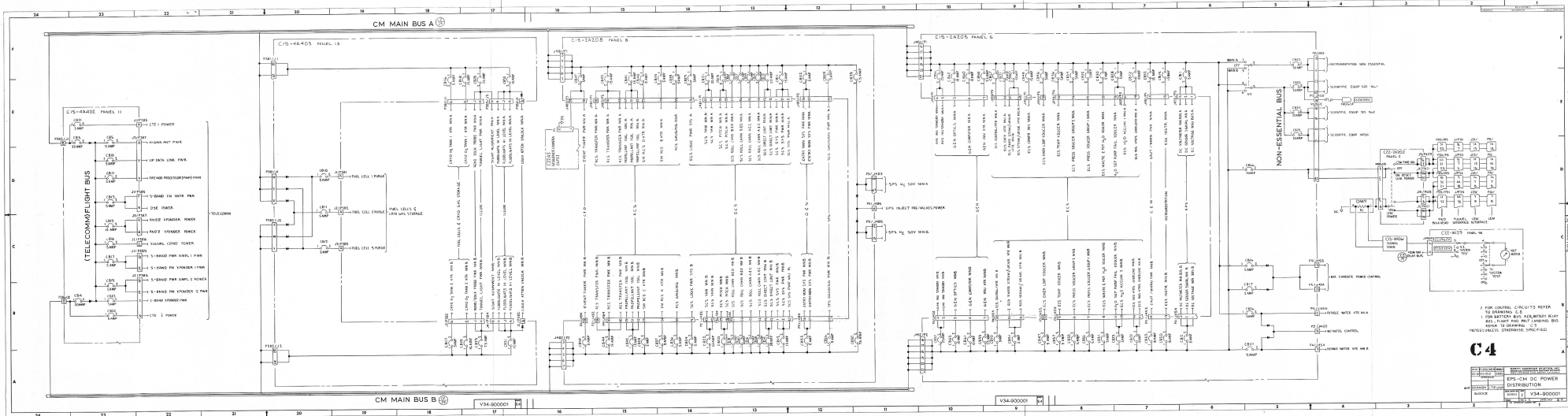
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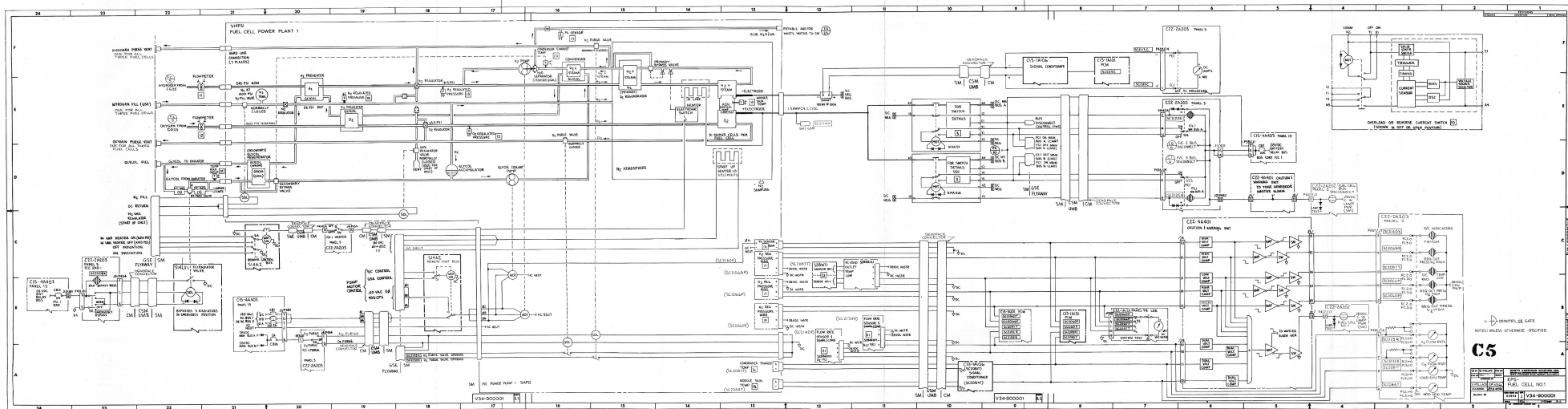
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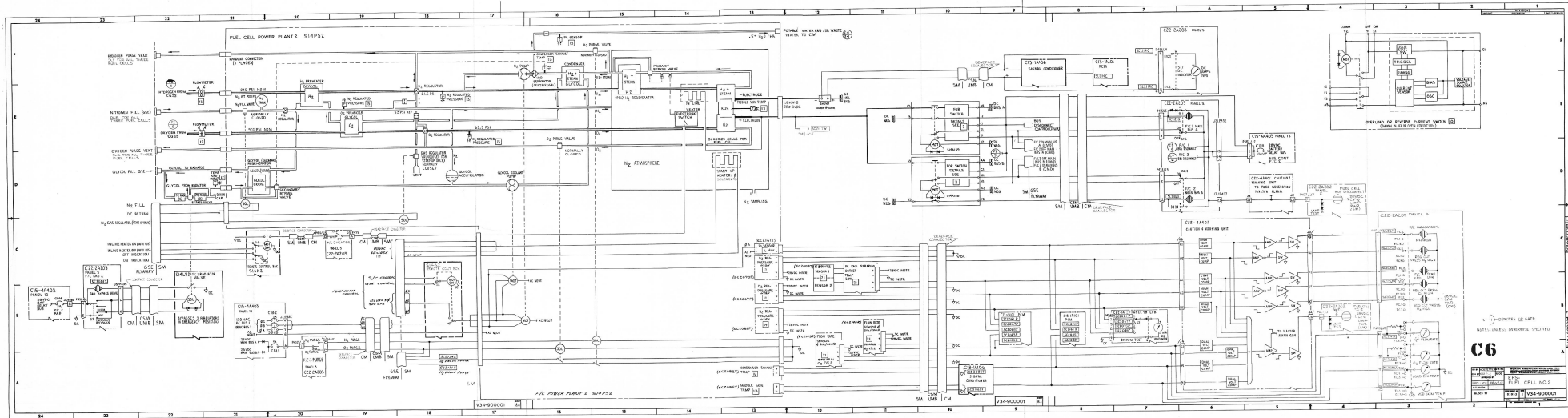
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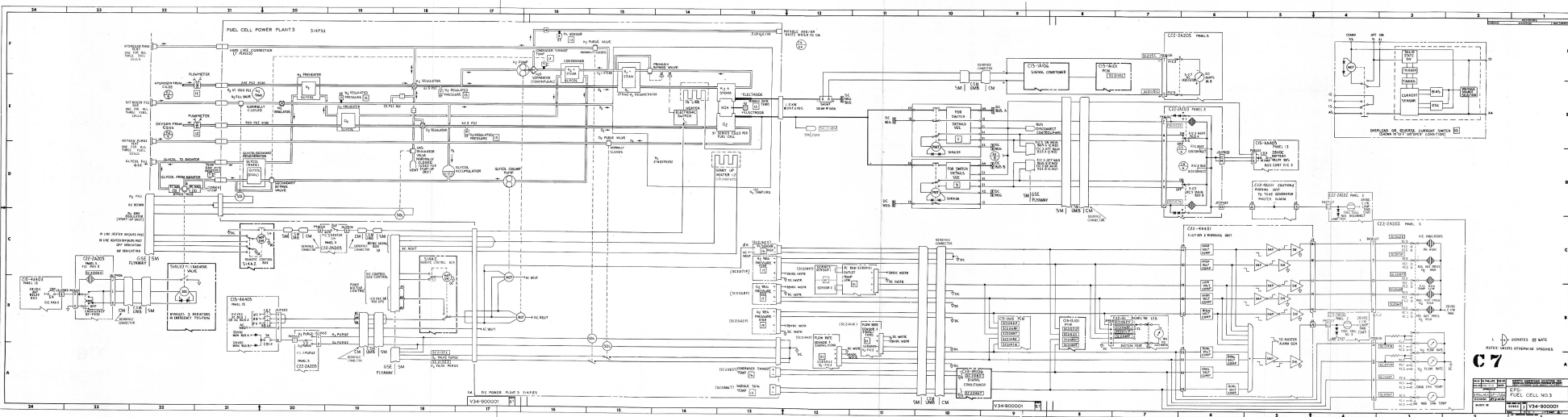
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1. DENOTES SEE PAGE
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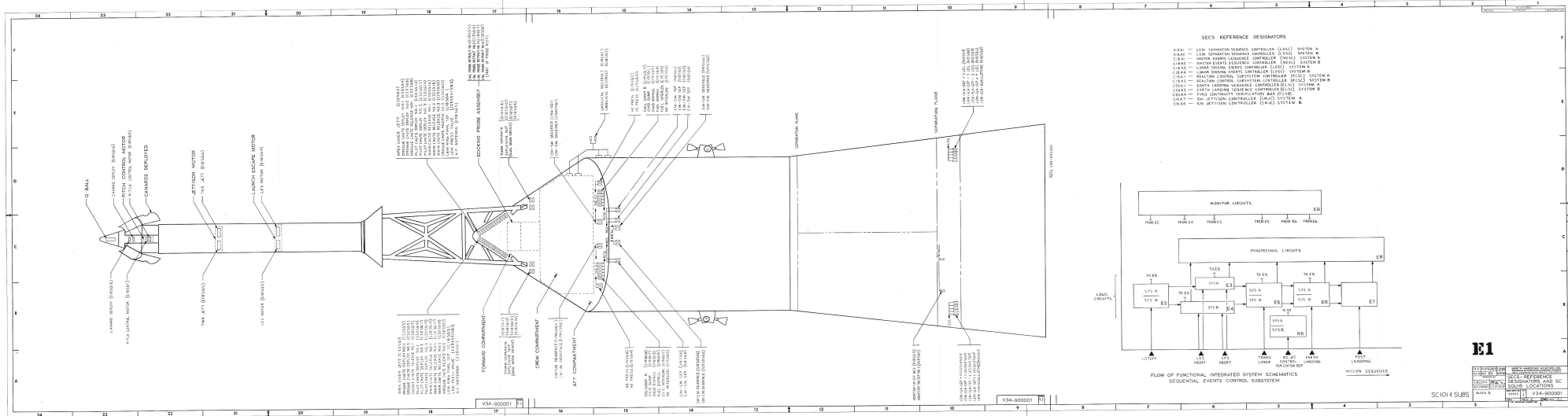
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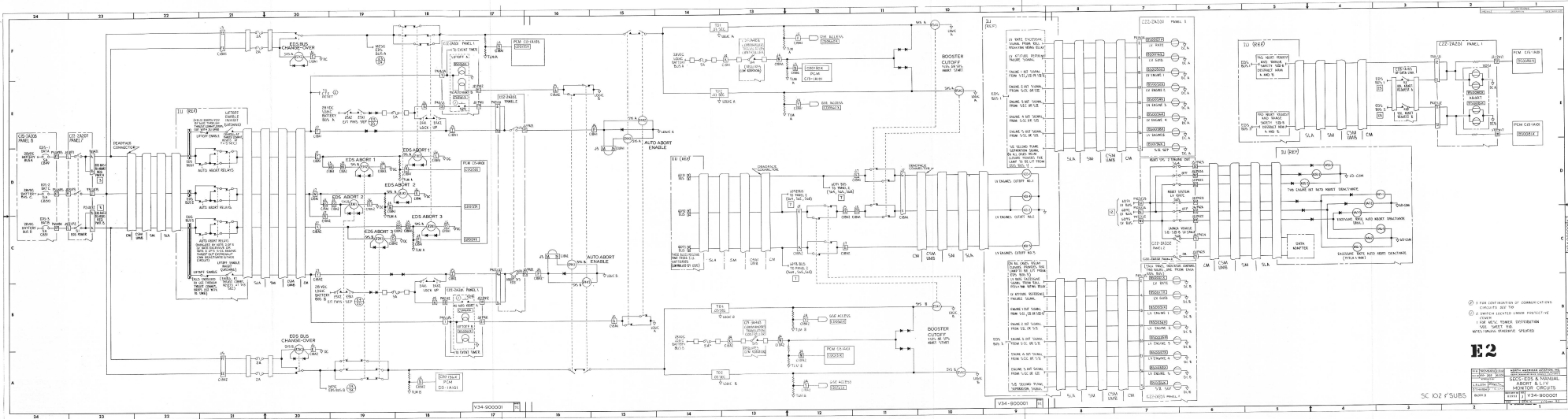
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NO. 83	PLANT 3	NO. 84	PLANT 3
NO. 85	PLANT 3	NO. 86	PLANT 3
NO. 87	PLANT 3	NO. 88	PLANT 3
NO. 89	PLANT 3	NO. 90	PLANT 3
NO. 91	PLANT 3	NO. 92	PLANT 3
NO. 93	PLANT 3	NO. 94	PLANT 3
NO. 95	PLANT 3	NO. 96	PLANT 3
NO. 97	PLANT 3	NO. 98	PLANT 3
NO. 99	PLANT 3	NO. 100	PLANT 3

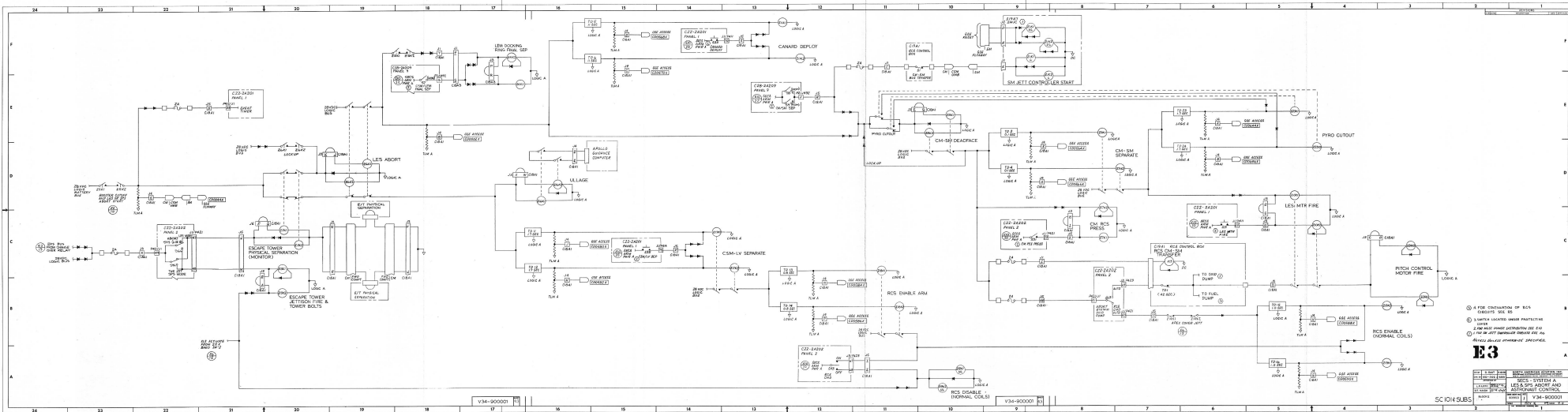
SECTION E

SEQUENTIAL EVENTS CONTROL
SUBSYSTEM

BLOCK II	CODE IDENT NO. 03953	SIZE A	V34-900001	
	SCALE	REV. K	SHEET	9





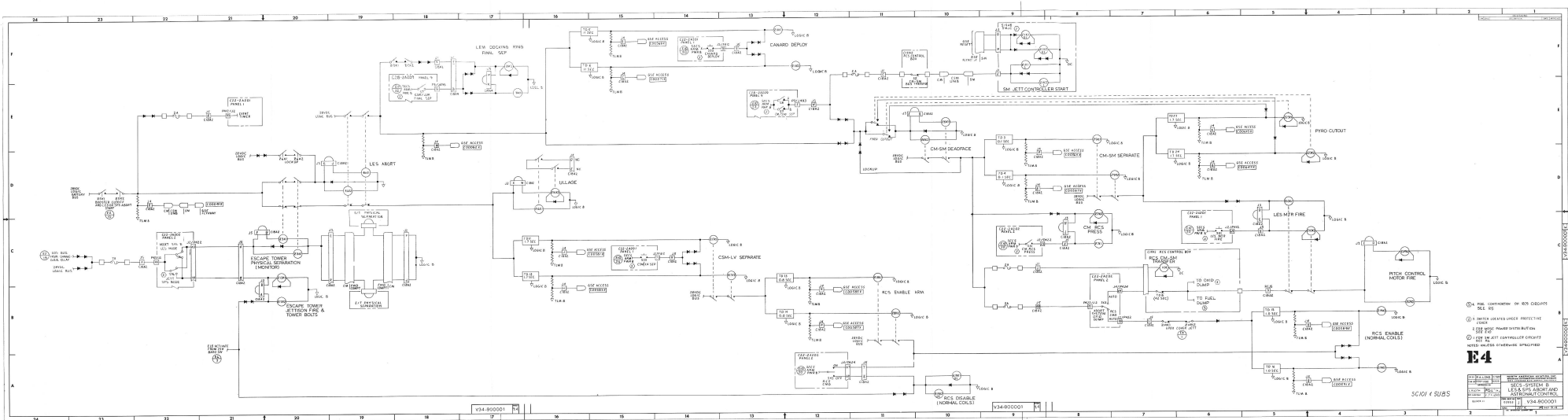


- 1. A FOR CONTINUATION OF RCS CIRCUITS SEE 85
- 2. SWITCH LOCATED UNDER PROTECTIVE COVER
- 3. 28VDC MUST POWER LATERATION SEE 810
- 4. 28VDC JETT CONTROL START SEE 810
- 5. 28VDC JETT CONTROL START SEE 810

E3

DATE	10/1/68	BY	W. J. HARRIS
REV	1	DESCRIPTION	REVISION 1
REV	2	DESCRIPTION	REVISION 2
REV	3	DESCRIPTION	REVISION 3
REV	4	DESCRIPTION	REVISION 4
REV	5	DESCRIPTION	REVISION 5
REV	6	DESCRIPTION	REVISION 6
REV	7	DESCRIPTION	REVISION 7
REV	8	DESCRIPTION	REVISION 8
REV	9	DESCRIPTION	REVISION 9
REV	10	DESCRIPTION	REVISION 10

SC 1014 SUBS

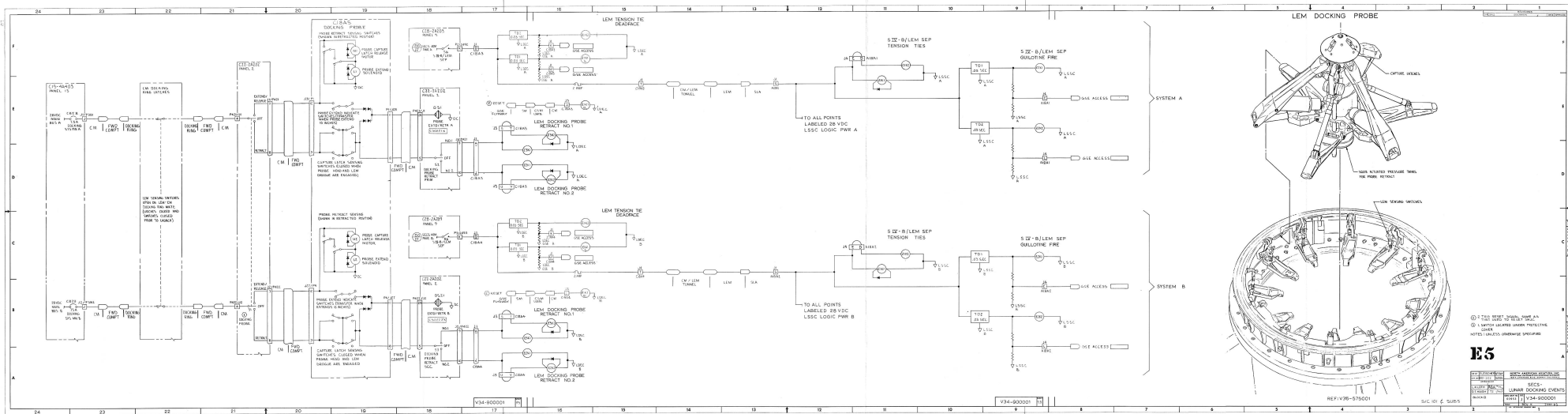


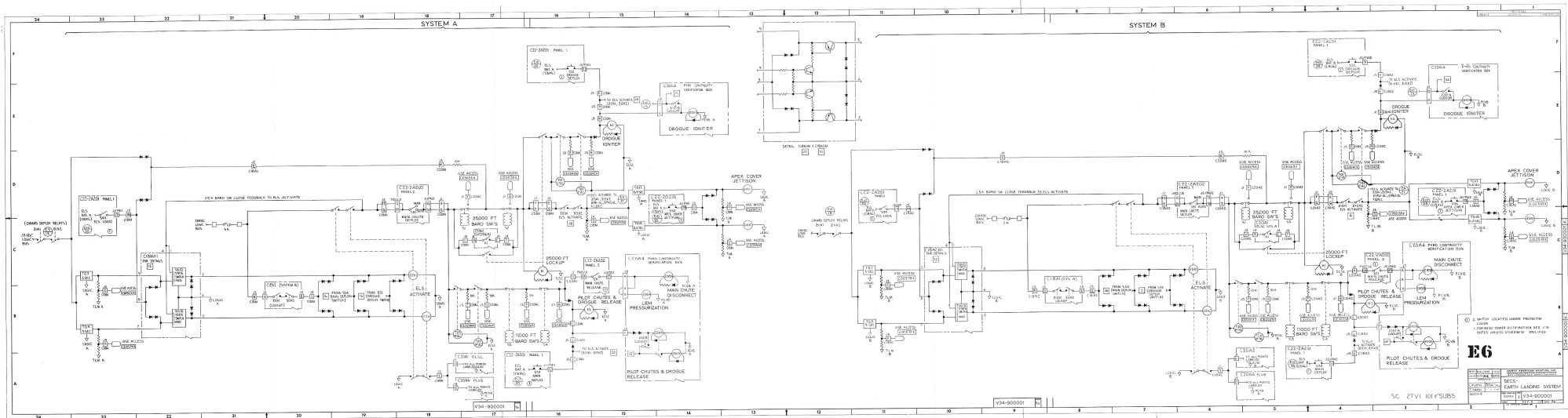
- ① 4 REL COILS/CONTACTS ON RCS CIRCUITS SEE RS
- ② 3 SWITCH LOCATED UNDER PROTECTIVE COVER
- ③ 2550 MISC POWER DISTRIBUTION SEE 2-60
- ④ 1 FOR SM JETT CONTROLLER CIRCUITS SEE 7-2
- NOTES: UNLESS OTHERWISE SPECIFIED

E4

DATE	BY	CHKD	APP'D	REV
10/1/68	J. L. B.	J. L. B.	J. L. B.	1
10/1/68	J. L. B.	J. L. B.	J. L. B.	2
10/1/68	J. L. B.	J. L. B.	J. L. B.	3
10/1/68	J. L. B.	J. L. B.	J. L. B.	4
10/1/68	J. L. B.	J. L. B.	J. L. B.	5
10/1/68	J. L. B.	J. L. B.	J. L. B.	6
10/1/68	J. L. B.	J. L. B.	J. L. B.	7
10/1/68	J. L. B.	J. L. B.	J. L. B.	8
10/1/68	J. L. B.	J. L. B.	J. L. B.	9
10/1/68	J. L. B.	J. L. B.	J. L. B.	10
10/1/68	J. L. B.	J. L. B.	J. L. B.	11
10/1/68	J. L. B.	J. L. B.	J. L. B.	12
10/1/68	J. L. B.	J. L. B.	J. L. B.	13
10/1/68	J. L. B.	J. L. B.	J. L. B.	14
10/1/68	J. L. B.	J. L. B.	J. L. B.	15
10/1/68	J. L. B.	J. L. B.	J. L. B.	16
10/1/68	J. L. B.	J. L. B.	J. L. B.	17
10/1/68	J. L. B.	J. L. B.	J. L. B.	18
10/1/68	J. L. B.	J. L. B.	J. L. B.	19
10/1/68	J. L. B.	J. L. B.	J. L. B.	20
10/1/68	J. L. B.	J. L. B.	J. L. B.	21
10/1/68	J. L. B.	J. L. B.	J. L. B.	22
10/1/68	J. L. B.	J. L. B.	J. L. B.	23
10/1/68	J. L. B.	J. L. B.	J. L. B.	24

SCOT SUBS

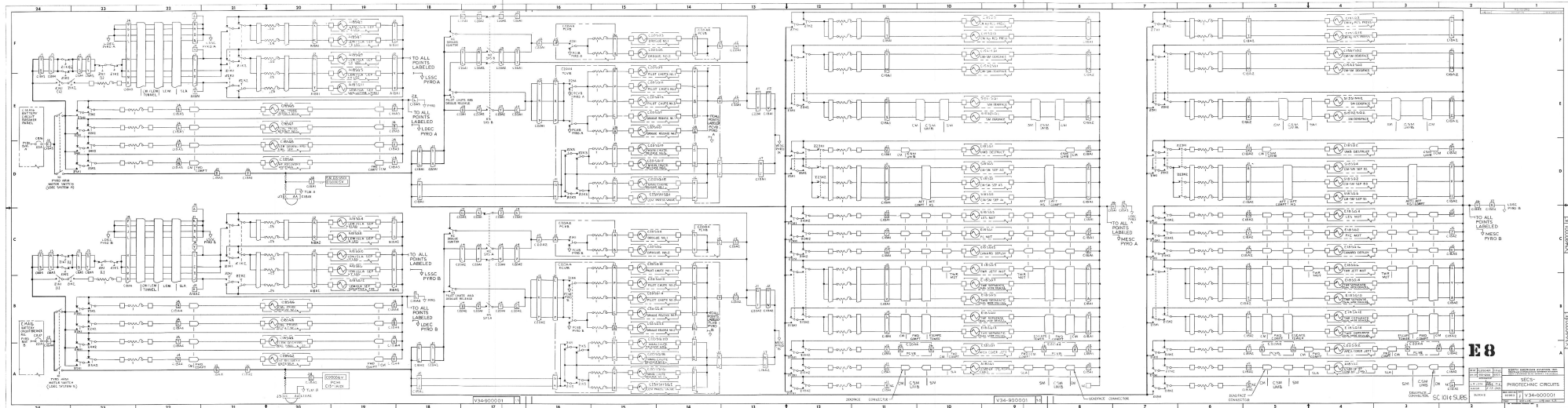


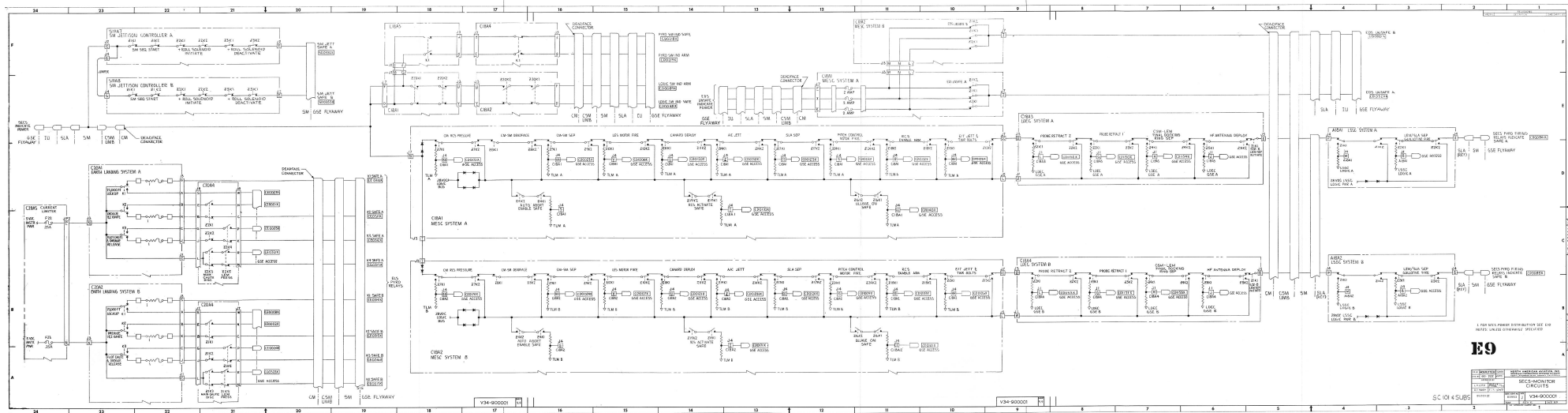


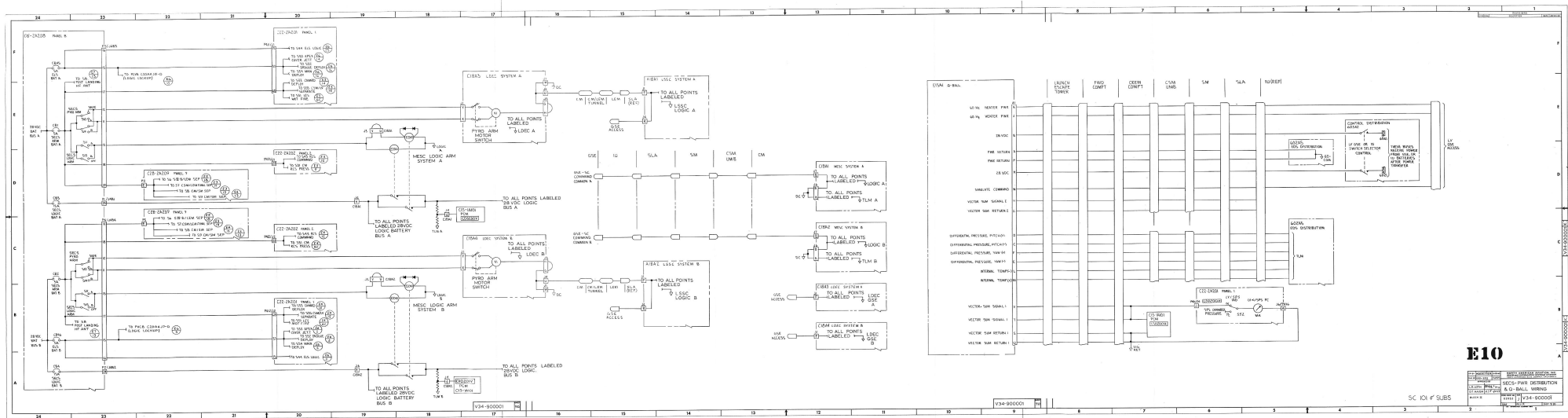


E7

Design	Topic/Subject	Index	NORTH ATLANTIC TREATY ORG. (NATO)	
Order	Code	Number	SEC 5-POST	
CLASSIFIED			LANDING EVENTS	
Use with	Form			
Use with	Form			
BLOCK 2			SEC 5-POST	V34-900001







SECTION F

CRYOGENIC GAS STORAGE
SUBSYSTEM
AND
ENVIRONMENTAL CONTROL
SUBSYSTEM

BLOCK II

CODE IDENT NO.
03953

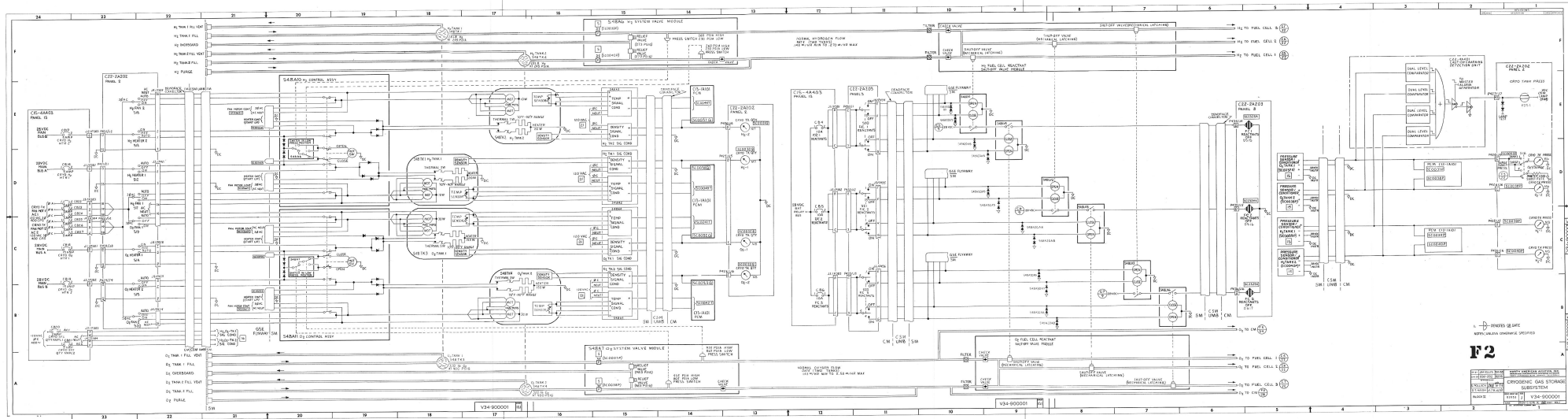
SIZE
A

V34-900001

SCALE

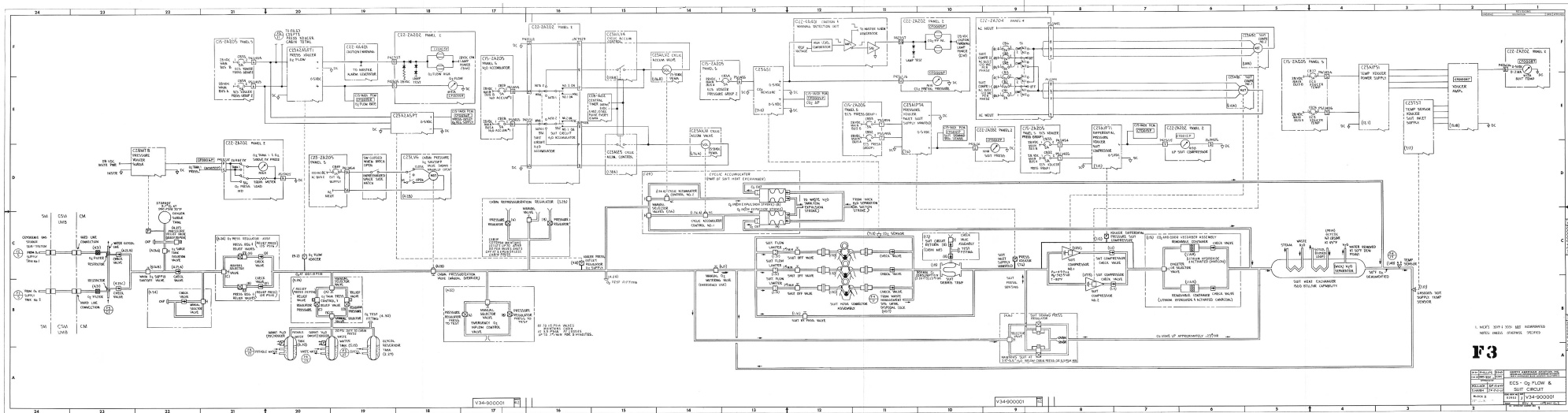
REV. K

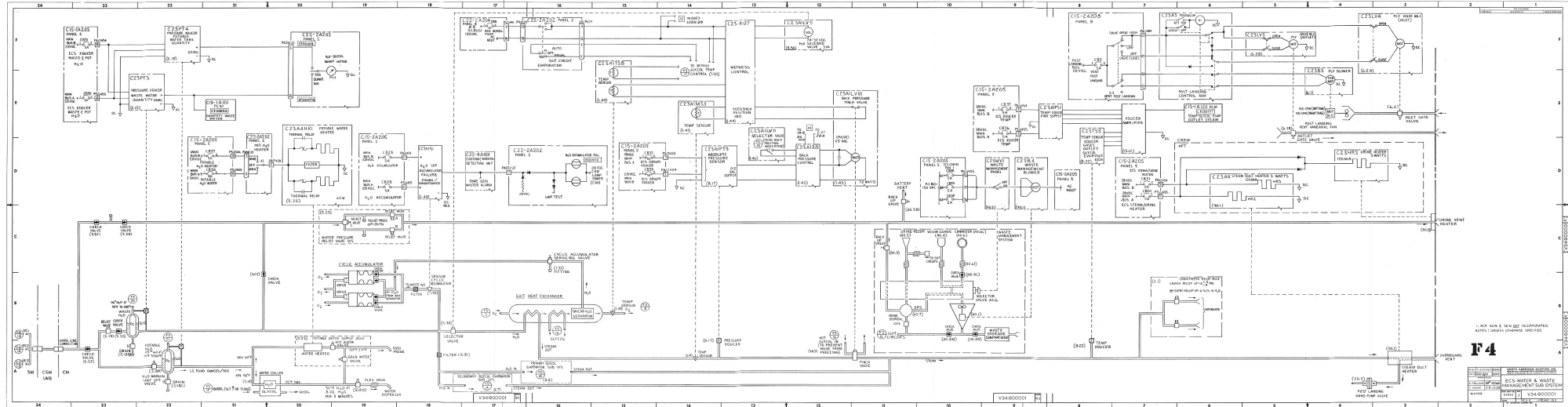
SHEET 10



F2

CRYOGENIC GAS STORAGE SUBSYSTEM	V34-900001
REV. 1	1
REV. 2	2
REV. 3	3
REV. 4	4
REV. 5	5
REV. 6	6
REV. 7	7
REV. 8	8
REV. 9	9
REV. 10	10
REV. 11	11
REV. 12	12
REV. 13	13
REV. 14	14
REV. 15	15
REV. 16	16
REV. 17	17
REV. 18	18
REV. 19	19
REV. 20	20
REV. 21	21
REV. 22	22
REV. 23	23
REV. 24	24
REV. 25	25
REV. 26	26
REV. 27	27
REV. 28	28
REV. 29	29
REV. 30	30
REV. 31	31
REV. 32	32
REV. 33	33
REV. 34	34
REV. 35	35
REV. 36	36
REV. 37	37
REV. 38	38
REV. 39	39
REV. 40	40
REV. 41	41
REV. 42	42
REV. 43	43
REV. 44	44
REV. 45	45
REV. 46	46
REV. 47	47
REV. 48	48
REV. 49	49
REV. 50	50

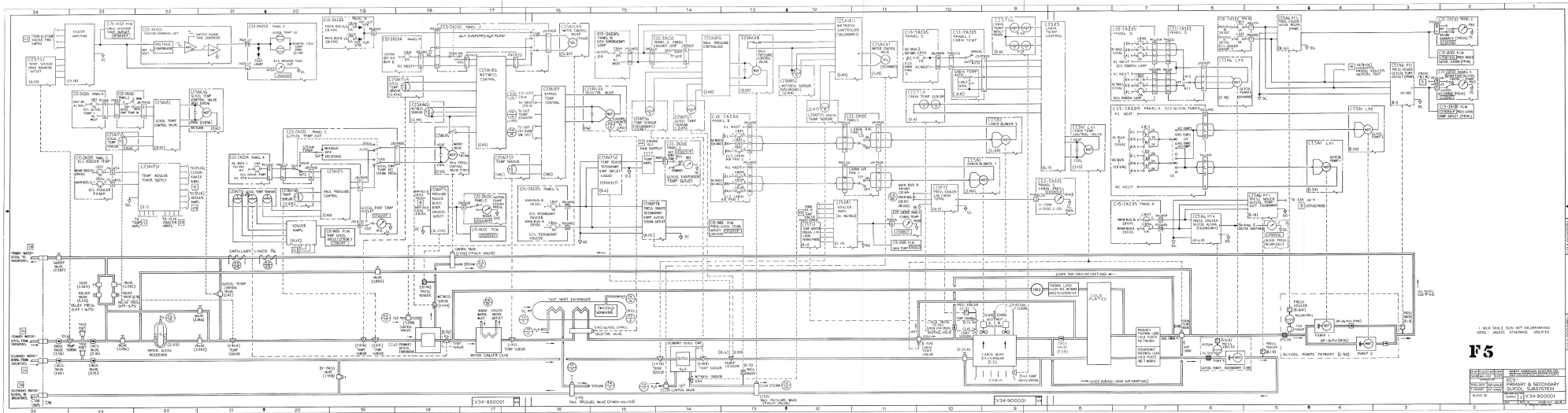




1. WORK SHOWN & NOT SHOWN INCORPORATED.
NOTES: UNLESS OTHERWISE SPECIFIED.

F4

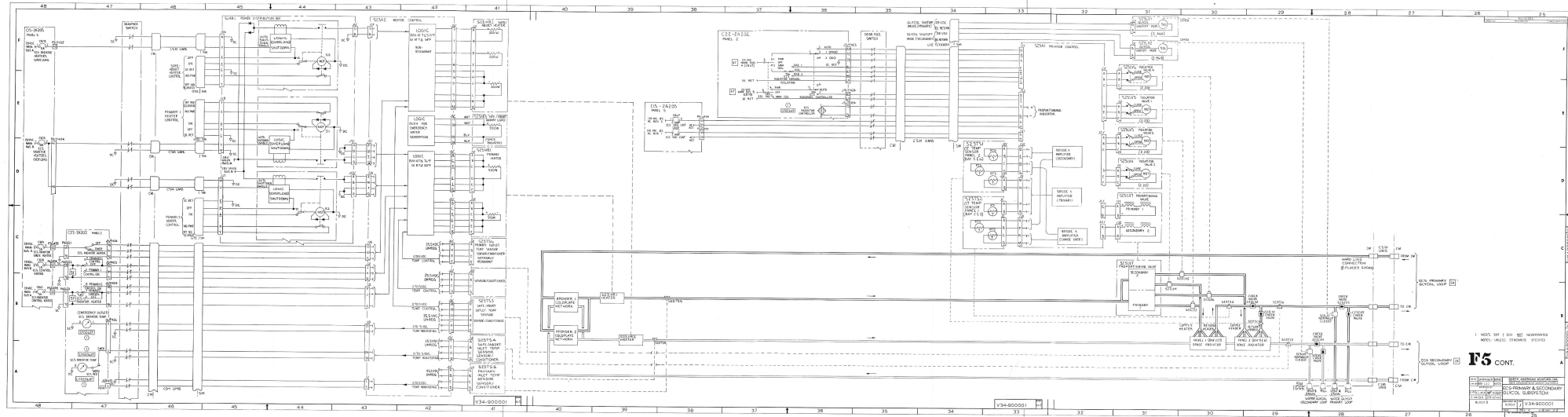
ECSS WATER & WASTE
MANAGEMENT SUB SYSTEM
V34-900001
REVISED 1/73
BY: [signature]
CHECKED: [signature]
APPROVED: [signature]



1. MCR 3049 & 3051 NOT INCORPORATED.
NOTES: 1. ALL 305. OTHERS SPECIFY

F5

DR #	FLEISCHER 1000	WESTERN AIRBORNE DIVISION, INC.
DATE	08-1-82	5000 S. GILBERT AVE. CHICAGO, IL 60632
	CHICAGO	
POLLICER	DIAGNOSTIC	ECS
TRAINER	7-2 (4000)	PRIMARY & SECONDARY GLYCOL SUBSYSTEM
BUCK ID		00002 J V 34-900001



1. HEATERS 200 & 201 NOT REHEATERS
NOTES: UNLESS OTHERWISE SPECIFIED

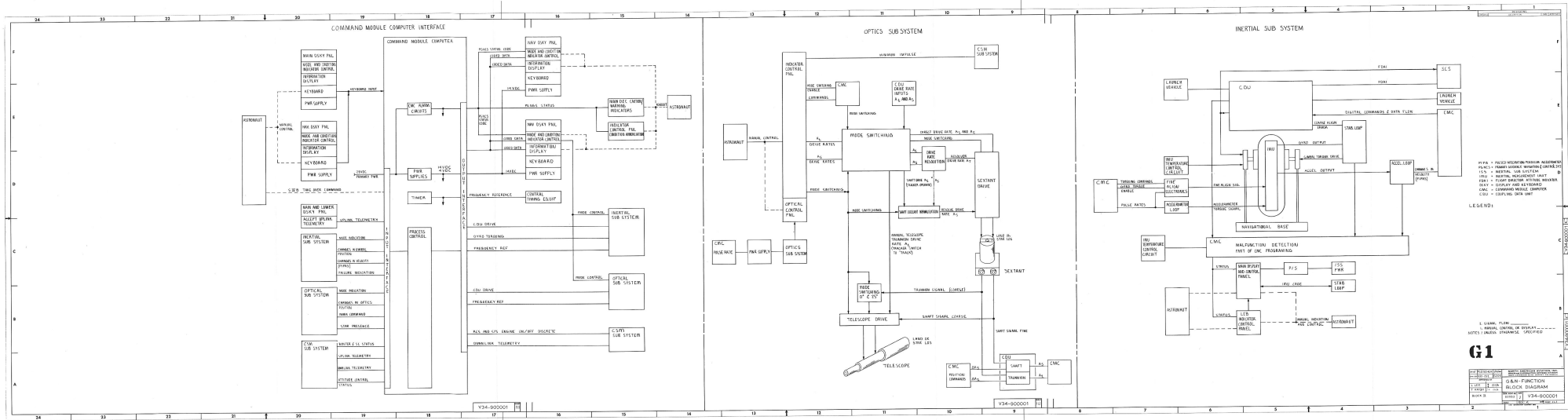
F5 CONT.

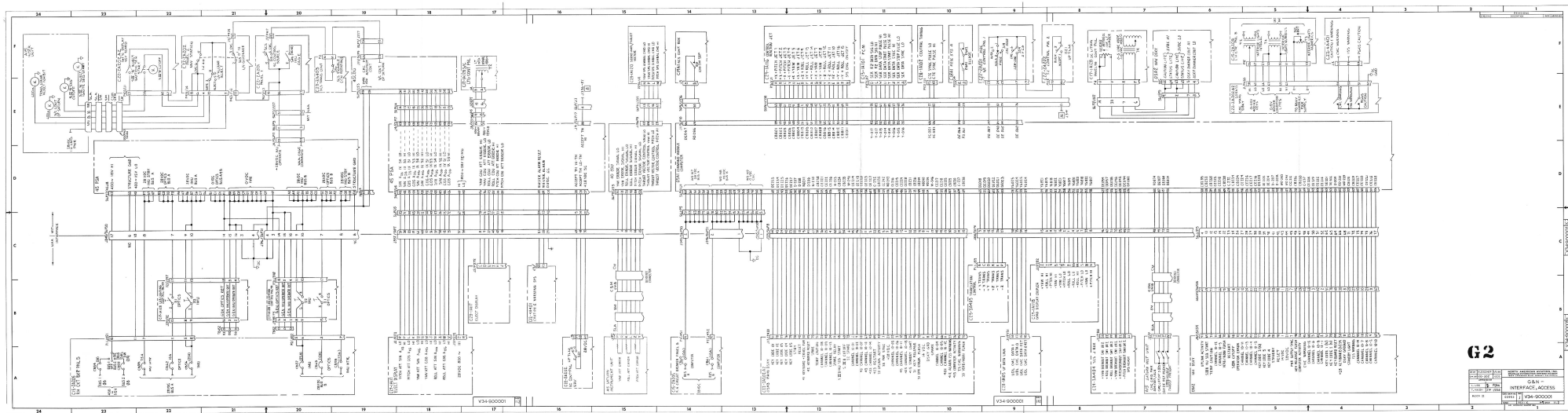
1. HEATERS 200 & 201 NOT REHEATERS	NOTES: UNLESS OTHERWISE SPECIFIED
2. UNLESS OTHERWISE SPECIFIED	NOTES: UNLESS OTHERWISE SPECIFIED
3. UNLESS OTHERWISE SPECIFIED	NOTES: UNLESS OTHERWISE SPECIFIED
4. UNLESS OTHERWISE SPECIFIED	NOTES: UNLESS OTHERWISE SPECIFIED
5. UNLESS OTHERWISE SPECIFIED	NOTES: UNLESS OTHERWISE SPECIFIED
6. UNLESS OTHERWISE SPECIFIED	NOTES: UNLESS OTHERWISE SPECIFIED
7. UNLESS OTHERWISE SPECIFIED	NOTES: UNLESS OTHERWISE SPECIFIED
8. UNLESS OTHERWISE SPECIFIED	NOTES: UNLESS OTHERWISE SPECIFIED
9. UNLESS OTHERWISE SPECIFIED	NOTES: UNLESS OTHERWISE SPECIFIED
10. UNLESS OTHERWISE SPECIFIED	NOTES: UNLESS OTHERWISE SPECIFIED

SECTION G

GUIDANCE & NAVIGATION
SUBSYSTEM

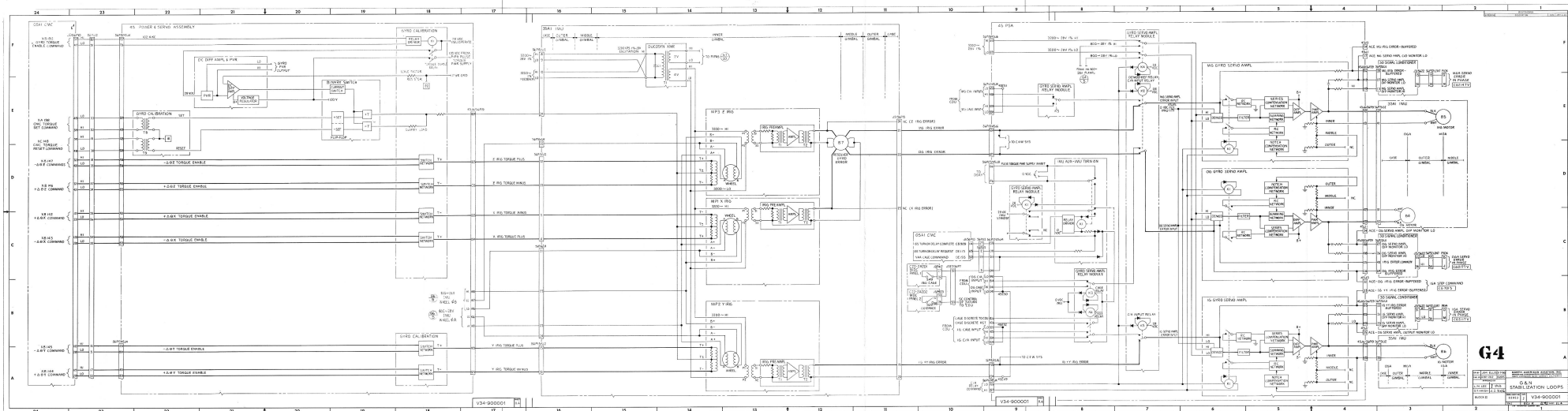
BLOCK II	CODE IDENT NO. 03953	SIZE A	V34-900001	
	SCALE	REV. K	SHEET	II





G2

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REV	2	DATE	10/10/60
REV	3	DATE	10/10/60
REV	4	DATE	10/10/60
REV	5	DATE	10/10/60
REV	6	DATE	10/10/60
REV	7	DATE	10/10/60
REV	8	DATE	10/10/60
REV	9	DATE	10/10/60
REV	10	DATE	10/10/60
REV	11	DATE	10/10/60
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REV	100	DATE	10/10/60



G4

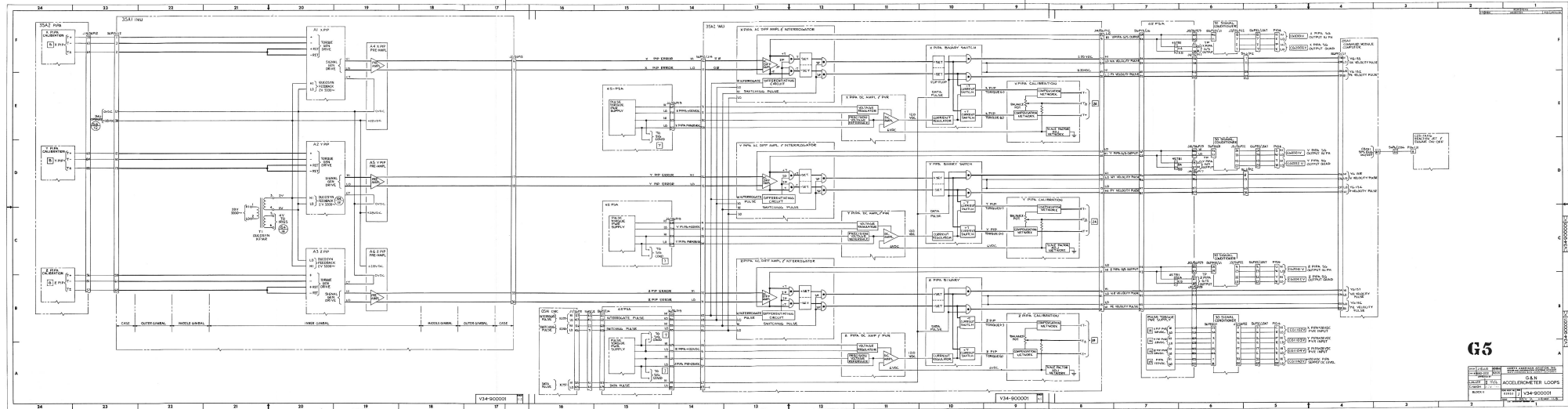
STABILIZATION LOOPS

REVISION 1

DATE 10-1-64

BY J. J. WILSON

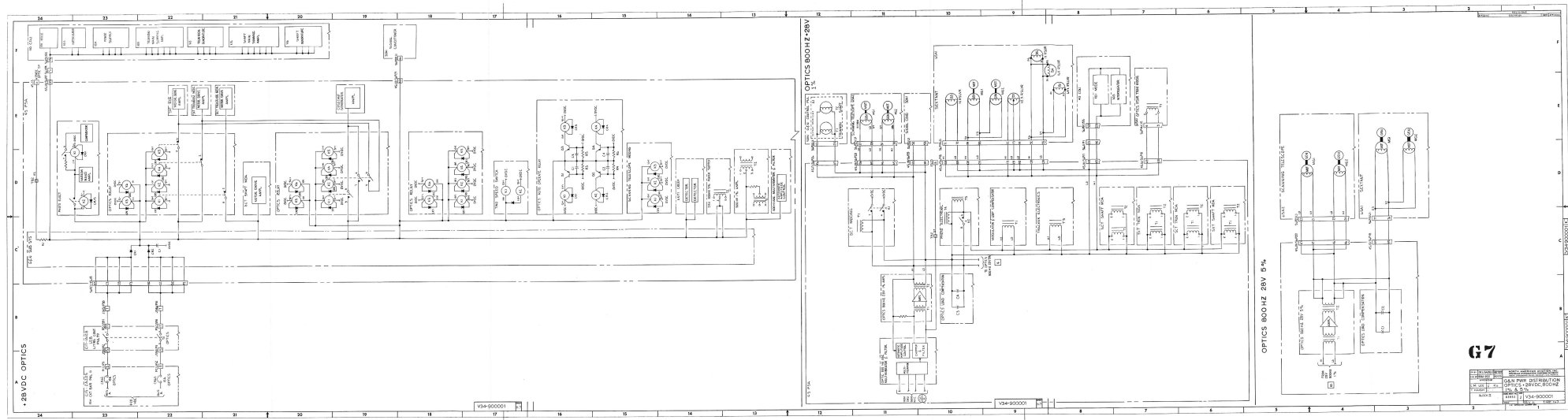
FOR G4



G5

REV	1	DATE	10/10/70	BY	W. J. B. / J. B. B.
APP'D		CHK'D		DATE	10/10/70
DESIGN		CHK'D		DATE	10/10/70
ASSEMBLY		CHK'D		DATE	10/10/70
TESTING		CHK'D		DATE	10/10/70
REVISION		DATE		BY	
1		10/10/70		W. J. B.	
2		10/10/70		J. B. B.	
3		10/10/70			
4		10/10/70			
5		10/10/70			
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24		10/10/70			

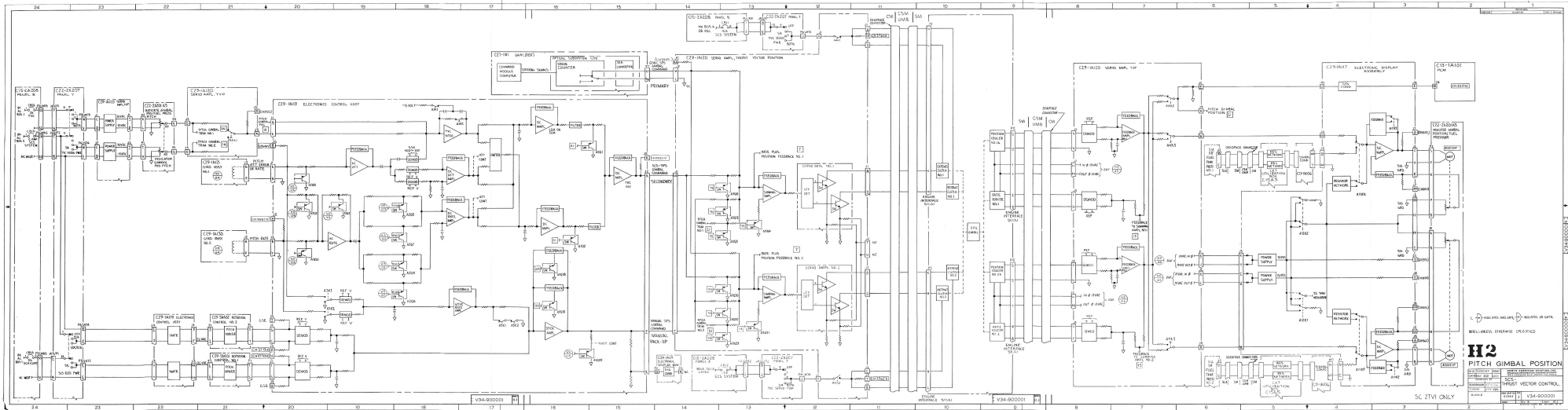




SECTION H

STABILIZATION CONTROL SUBSYSTEM
AND
ENTRY MONITOR

BLOCK II	CODE IDENT NO. 03953	SIZE A	V34-900001	
	SCALE	REV. K	SHEET	12

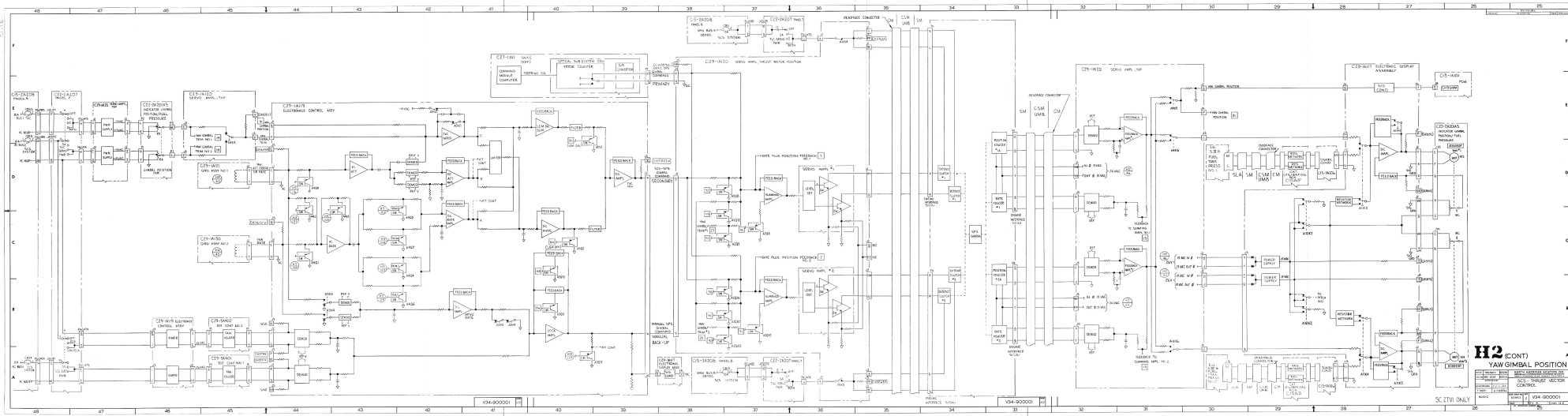


L - INDICATES AND GATE - INDICATES OR GATE.
RESISTORS UNLESS OTHERWISE SPECIFIED

H2

PITCH GIMBAL POSITION

DESIGNED BY	DATE	APPROVED BY	DATE
DRN	200	DRN	200
THICK	200	THICK	200
REVISION	DATE	REVISION	DATE
1	1/1/60	1	1/1/60
2	1/1/60	2	1/1/60
3	1/1/60	3	1/1/60
4	1/1/60	4	1/1/60
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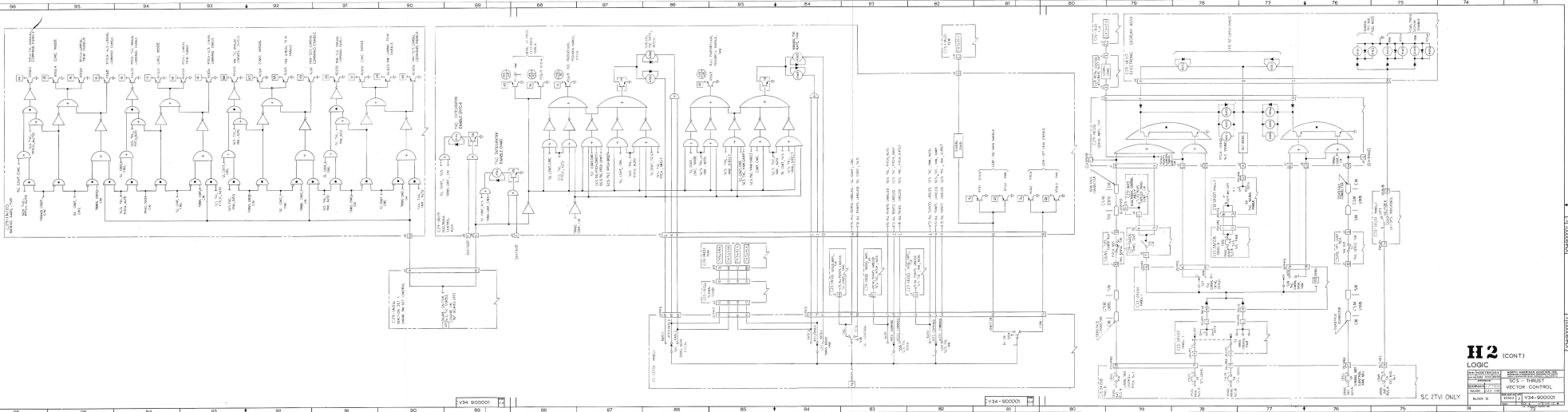


H2 (CONT)
YAW GIMBAL POSITION

REV		DATE		BY		CHKD		APPD	
1		10-1-68		J. J. J.		J. J. J.		J. J. J.	
2		10-1-68		J. J. J.		J. J. J.		J. J. J.	
3		10-1-68		J. J. J.		J. J. J.		J. J. J.	
4		10-1-68		J. J. J.		J. J. J.		J. J. J.	
5		10-1-68		J. J. J.		J. J. J.		J. J. J.	
6		10-1-68		J. J. J.		J. J. J.		J. J. J.	
7		10-1-68		J. J. J.		J. J. J.		J. J. J.	
8		10-1-68		J. J. J.		J. J. J.		J. J. J.	
9		10-1-68		J. J. J.		J. J. J.		J. J. J.	
10		10-1-68		J. J. J.		J. J. J.		J. J. J.	
11		10-1-68		J. J. J.		J. J. J.		J. J. J.	
12		10-1-68		J. J. J.		J. J. J.		J. J. J.	
13		10-1-68		J. J. J.		J. J. J.		J. J. J.	
14		10-1-68		J. J. J.		J. J. J.		J. J. J.	
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18		10-1-68		J. J. J.		J. J. J.		J. J. J.	
19		10-1-68		J. J. J.		J. J. J.		J. J. J.	
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21		10-1-68		J. J. J.		J. J. J.		J. J. J.	
22		10-1-68		J. J. J.		J. J. J.		J. J. J.	
23		10-1-68		J. J. J.		J. J. J.		J. J. J.	
24		10-1-68		J. J. J.		J. J. J.		J. J. J.	
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26		10-1-68		J. J. J.		J. J. J.		J. J. J.	
27		10-1-68		J. J. J.		J. J. J.		J. J. J.	
28		10-1-68		J. J. J.		J. J. J.		J. J. J.	
29		10-1-68		J. J. J.		J. J. J.		J. J. J.	
30		10-1-68		J. J. J.		J. J. J.		J. J. J.	
31		10-1-68		J. J. J.		J. J. J.		J. J. J.	
32		10-1-68		J. J. J.		J. J. J.		J. J. J.	
33		10-1-68		J. J. J.		J. J. J.		J. J. J.	
34		10-1-68		J. J. J.		J. J. J.		J. J. J.	



ENGINE ON- OFF			NORTH AMERICAN SYSTEMS, INC. 10000 UNIVERSITY AVENUE, SUITE 100 DALLAS, TEXAS 75243-1000		
DATE	ORIGIN	REV	SCS- THRUST VECTOR CONTROL		
01/01/01	SMI-JSC	0001			
SCHEDULED			V34-000001		
BLOCK			V34-000001		

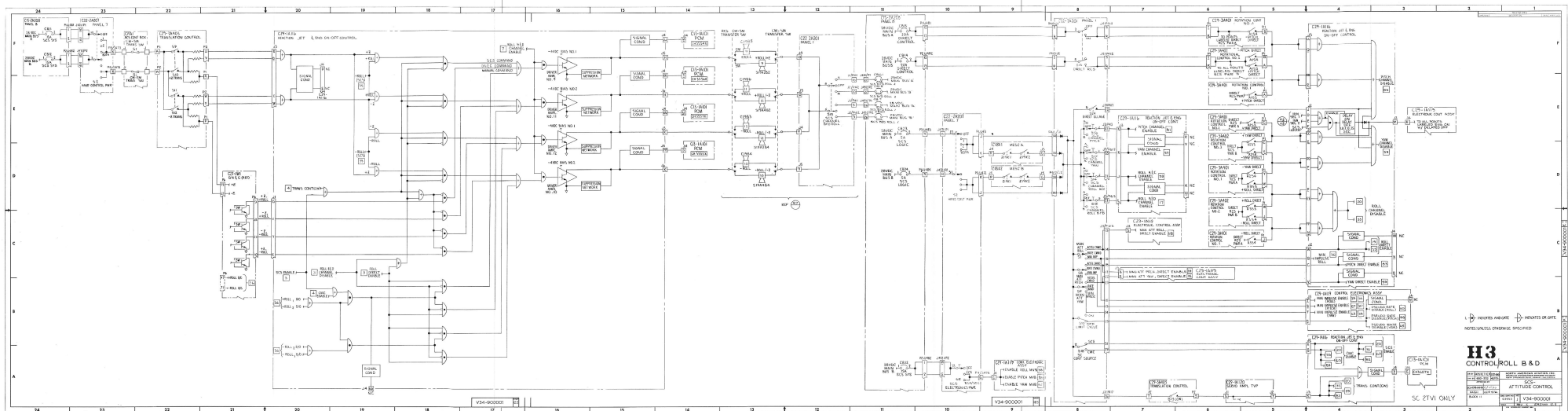


H2 (CONT)

LOGIC

DESIGNER	AMERICAN ELECTRONIC CORP.
ENGINEER	SCS - THRUST
OPERATOR	VECTOR CONTROL
REVISION	2.1.1
DATE	1964-09-01
BY	V34-900001
CHECKED	
DATE	

SC 2TV ONLY



L INDICATES AND GATE
 NOTES: UNLESS OTHERWISE SPECIFIED

H3

CONTROL ROLL B & D

NORTH AMERICAN AVIATION, INC.
 11111 WILSON AVENUE
 TOLSON, CALIFORNIA 94588

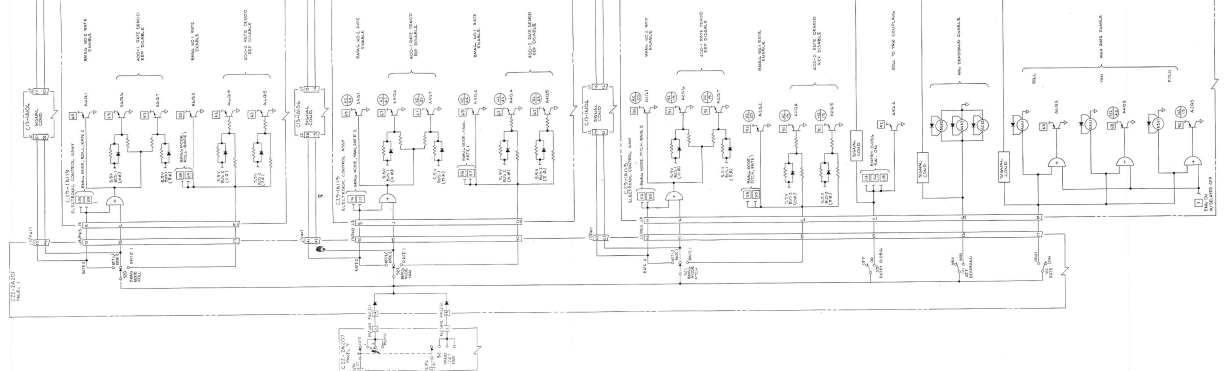
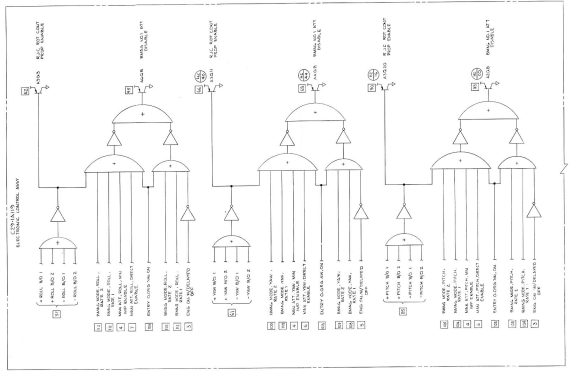
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 H3-1000

ATTITUDE CONTROL
 H3-1000
 H3-1000

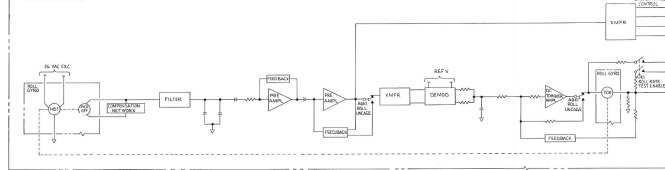
SC 2TVI ONLY
 H3-1000
 H3-1000

SC 2TVI ONLY





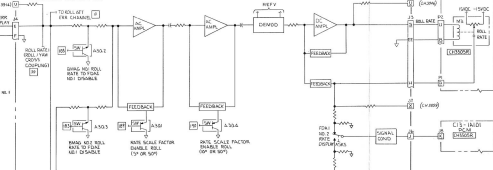
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GYRO ASSY NO.1/ROLL



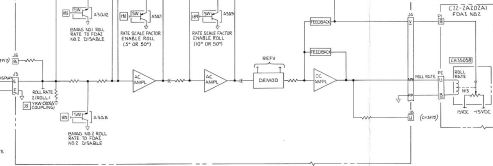
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GYRO ASSY NO.2
(IDENTICAL TO GYRO ASSY NO.1/ROLL)



C19-1A111
ELECTRONIC DISPLAY ASSY



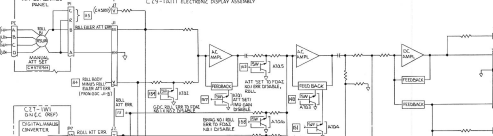
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FOAL NO.1



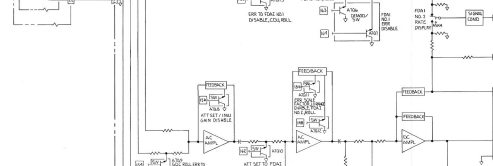
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FOAL NO.2



C19-1A111
ATT SET CONTROL PANEL



C19-1A111
DIGITAL/ANALOG CONVERTER



C19-1A120A
FOAL NO.1



C19-1A120A
FOAL NO.2



INDICATES AND GATE
NOTES UNLESS OTHERWISE SPECIFIED

H4
ATT ERR/RATE DISPLAY, ROLL

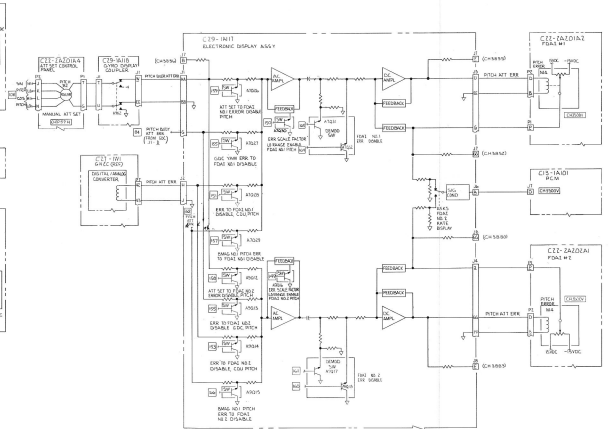
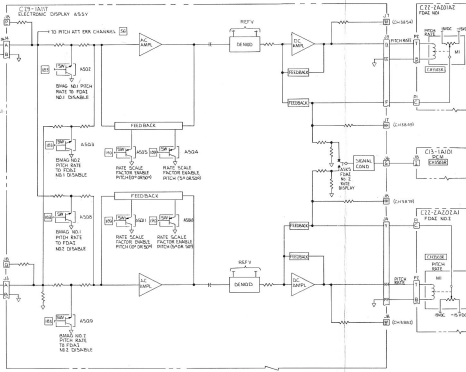
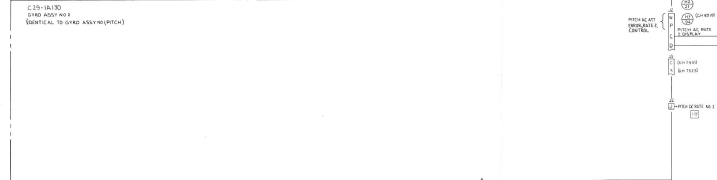
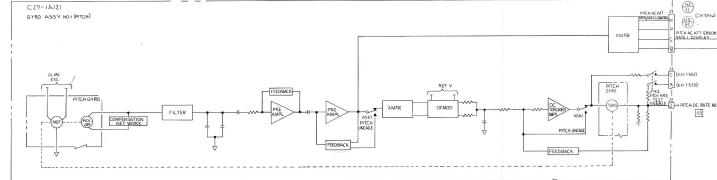
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3	REVISED TO ADD ROLL RATE DISPLAY	10/1/61	J. H. HARRIS	J. H. HARRIS	J. H. HARRIS
4	REVISED TO ADD ROLL RATE DISPLAY	10/1/61	J. H. HARRIS	J. H. HARRIS	J. H. HARRIS
5	REVISED TO ADD ROLL RATE DISPLAY	10/1/61	J. H. HARRIS	J. H. HARRIS	J. H. HARRIS
6	REVISED TO ADD ROLL RATE DISPLAY	10/1/61	J. H. HARRIS	J. H. HARRIS	J. H. HARRIS
7	REVISED TO ADD ROLL RATE DISPLAY	10/1/61	J. H. HARRIS	J. H. HARRIS	J. H. HARRIS
8	REVISED TO ADD ROLL RATE DISPLAY	10/1/61	J. H. HARRIS	J. H. HARRIS	J. H. HARRIS
9	REVISED TO ADD ROLL RATE DISPLAY	10/1/61	J. H. HARRIS	J. H. HARRIS	J. H. HARRIS
10	REVISED TO ADD ROLL RATE DISPLAY	10/1/61	J. H. HARRIS	J. H. HARRIS	J. H. HARRIS
11	REVISED TO ADD ROLL RATE DISPLAY	10/1/61	J. H. HARRIS	J. H. HARRIS	J. H. HARRIS
12	REVISED TO ADD ROLL RATE DISPLAY	10/1/61	J. H. HARRIS	J. H. HARRIS	J. H. HARRIS
13	REVISED TO ADD ROLL RATE DISPLAY	10/1/61	J. H. HARRIS	J. H. HARRIS	J. H. HARRIS
14	REVISED TO ADD ROLL RATE DISPLAY	10/1/61	J. H. HARRIS	J. H. HARRIS	J. H. HARRIS
15	REVISED TO ADD ROLL RATE DISPLAY	10/1/61	J. H. HARRIS	J. H. HARRIS	J. H. HARRIS
16	REVISED TO ADD ROLL RATE DISPLAY	10/1/61	J. H. HARRIS	J. H. HARRIS	J. H. HARRIS
17	REVISED TO ADD ROLL RATE DISPLAY	10/1/61	J. H. HARRIS	J. H. HARRIS	J. H. HARRIS
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19	REVISED TO ADD ROLL RATE DISPLAY	10/1/61	J. H. HARRIS	J. H. HARRIS	J. H. HARRIS
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21	REVISED TO ADD ROLL RATE DISPLAY	10/1/61	J. H. HARRIS	J. H. HARRIS	J. H. HARRIS
22	REVISED TO ADD ROLL RATE DISPLAY	10/1/61	J. H. HARRIS	J. H. HARRIS	J. H. HARRIS
23	REVISED TO ADD ROLL RATE DISPLAY	10/1/61	J. H. HARRIS	J. H. HARRIS	J. H. HARRIS
24	REVISED TO ADD ROLL RATE DISPLAY	10/1/61	J. H. HARRIS	J. H. HARRIS	J. H. HARRIS

SC 21VI ONLY

V34-900001

V34-900001





H4 CONT

ATT ERR/RATE DISPLAY PITCH

SCS ATTITUDE REFERENCE

DATE: 11/1/60

DESIGNED BY: J. J. V34-900001

CHECKED BY: J. J. V34-900001

APPROVED BY: J. J. V34-900001

REVISION: 1

REVISION: 2

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REVISION: 4

REVISION: 5

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REVISION: 7

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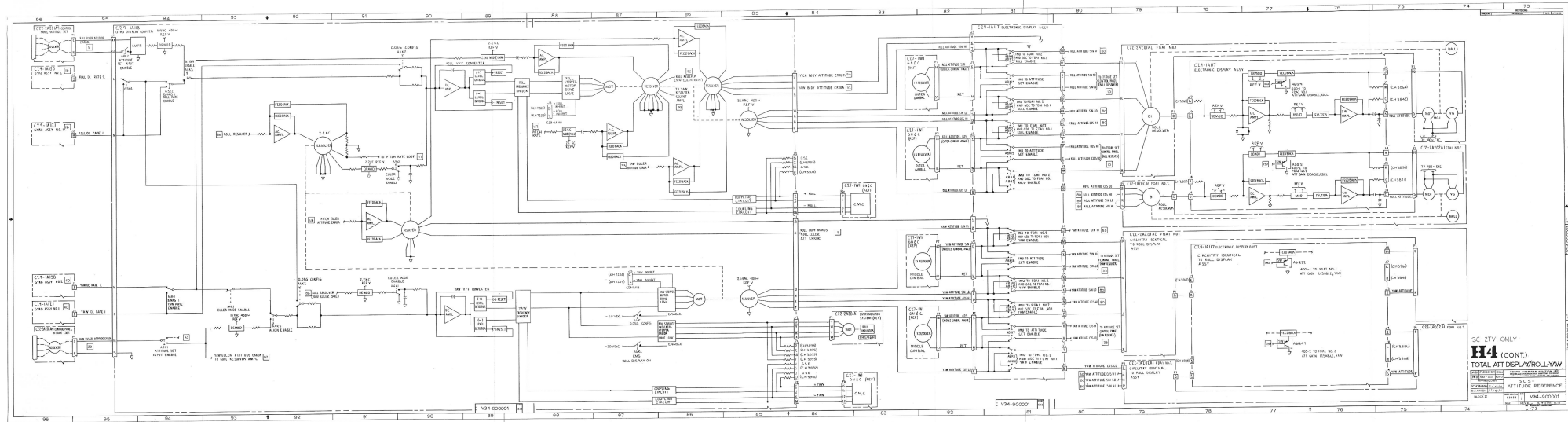
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REVISION: 100



SC 2TVI ONLY

H4 (CONT.)

TOTAL ATT DISPLAY/ROLL-YAW

姓名	王立群	性别	男
出生年月	1970.10	民族	汉族
籍贯	山东烟台	学历	本科
学位	硕士	专业	工商管理
职称	副教授	职务	系主任
工作单位	烟台大学		
联系电话	0535-3911111		
电子邮箱	wql@yantaiu.edu.cn		

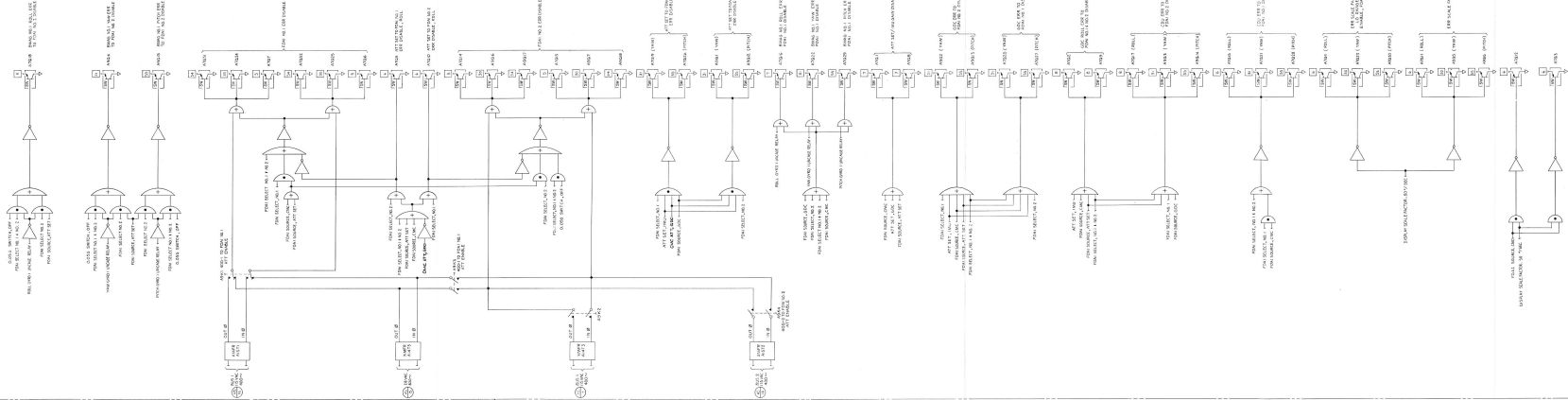
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	APPROVED BY		\$C S =

DOORWAY	2/2	ATTITUDE REFERENCE
DOORWAY	2/2	

Block II	DATE OF ISSUE	NO.	V24-900001
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74	73
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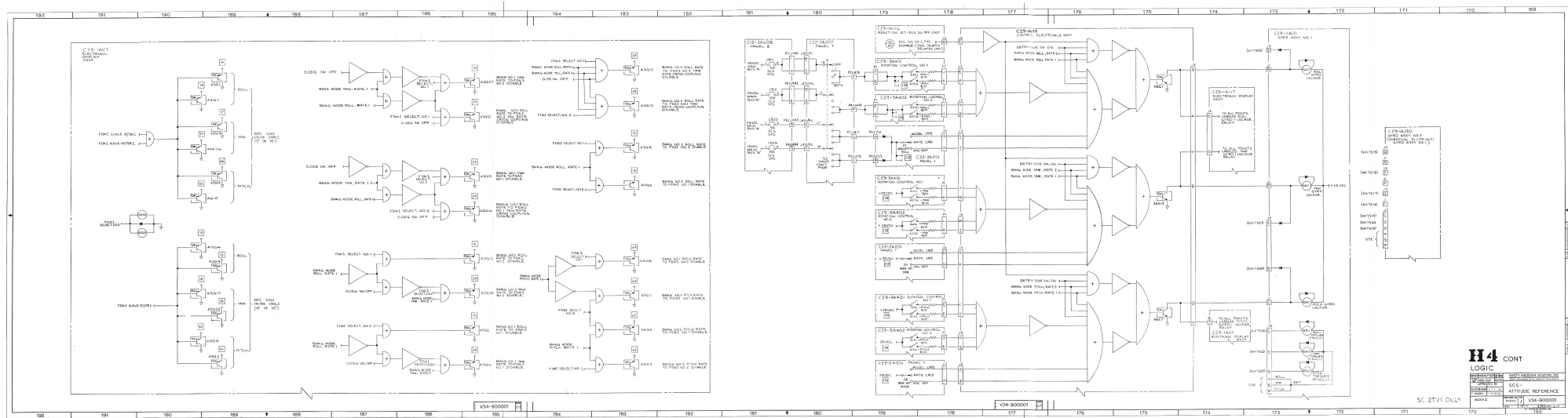
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SC 2TVI ONLY

V34-900001

V34-900001

V34-900001

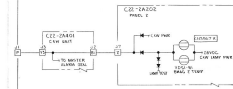


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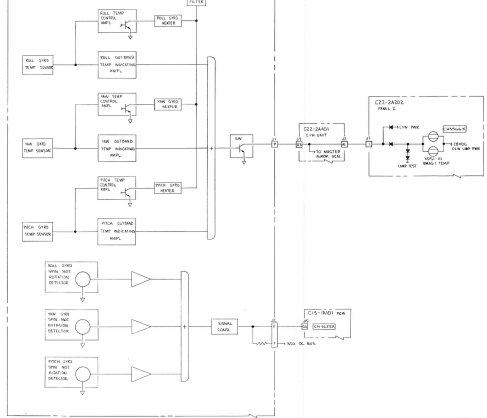
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SC 2TV1 ONLY

C29-18130
 DHR: K55T N2
 (IDENTICAL TO DHR K55T N2-1)



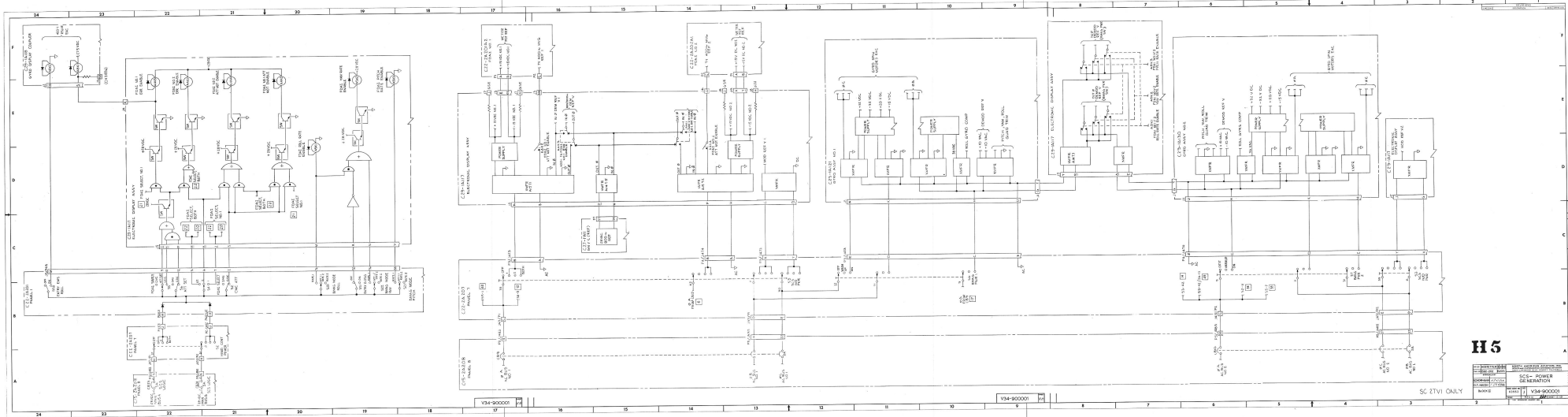
C29-18131
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 GYRO MONITORING

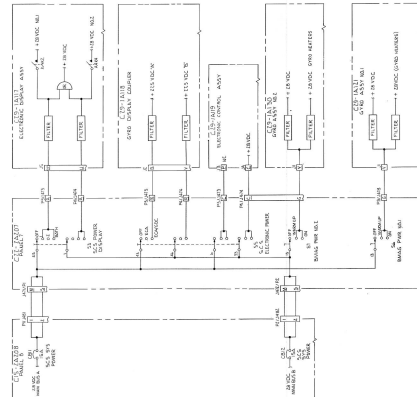
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REVISION: 1	DATE: 10-1-68	BY: J. H. H.
SCS - ATTITUDE REFERENCE		
V34-900001		

SC 2TVI ONLY



H5

[illegible]

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SECTION P

SERVICE PROPULSION
SYSTEM
AND
PROPELLANT QUANTITY GAUGING

BLOCK II

CODE IDENT NO.
03953

SIZE

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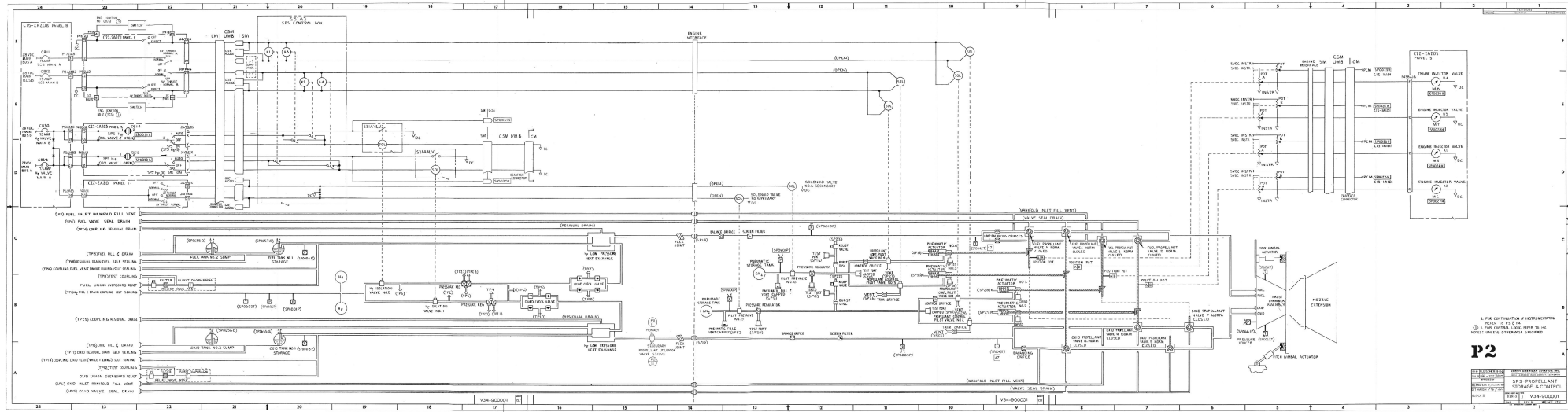
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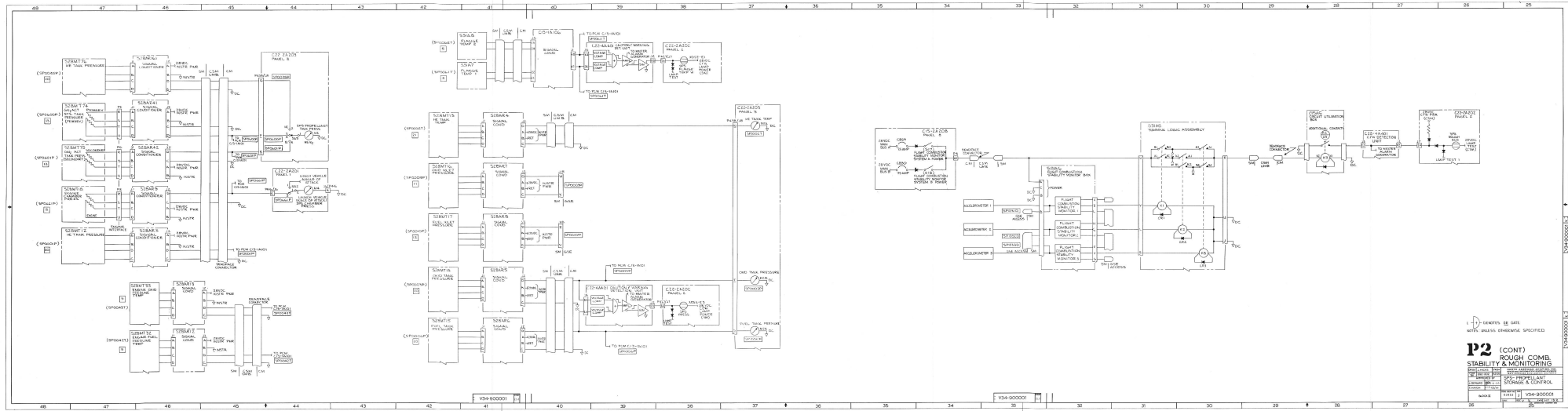
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REV. K

SHEET

13

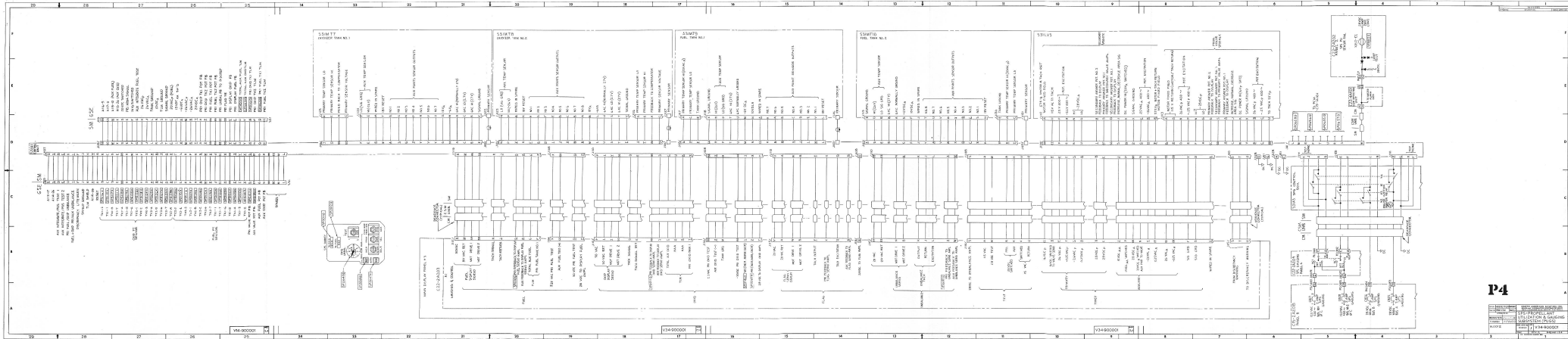


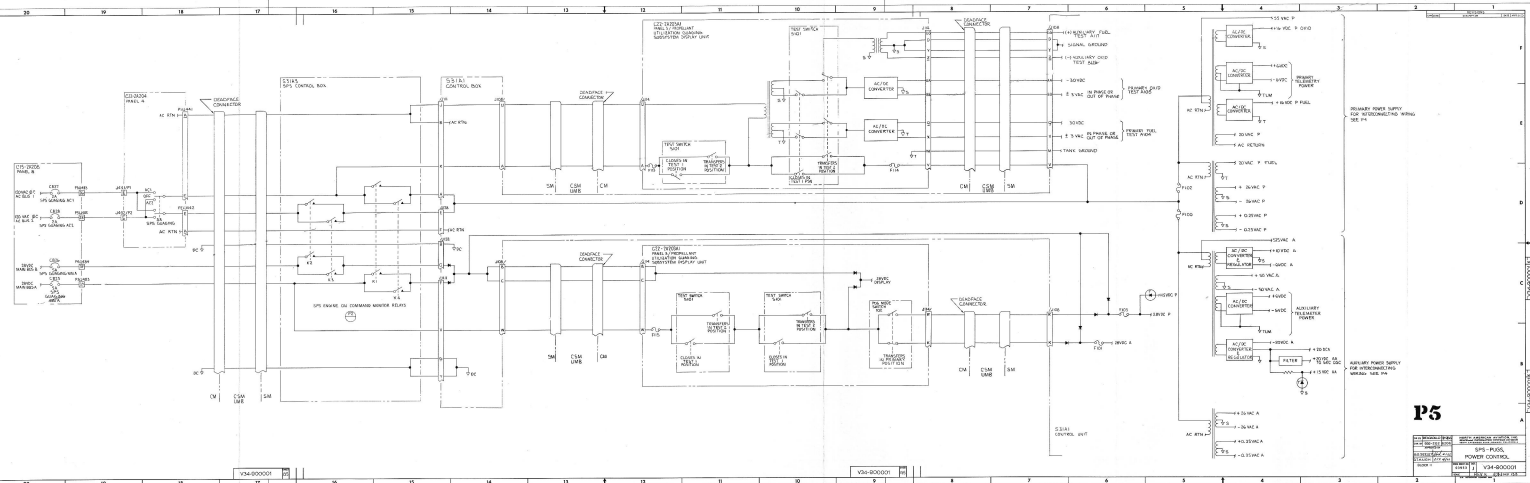


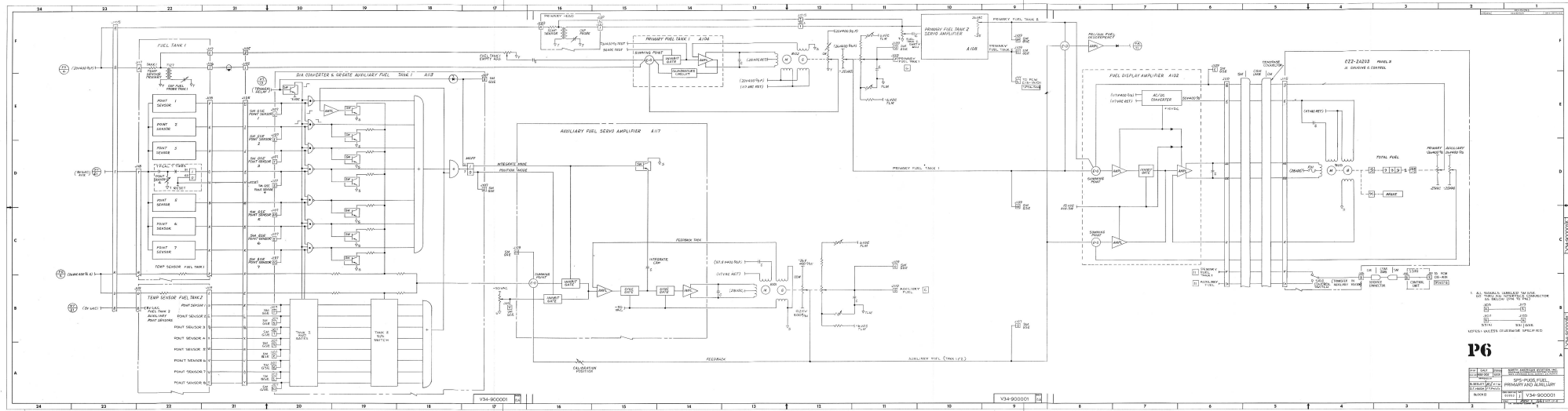


P3

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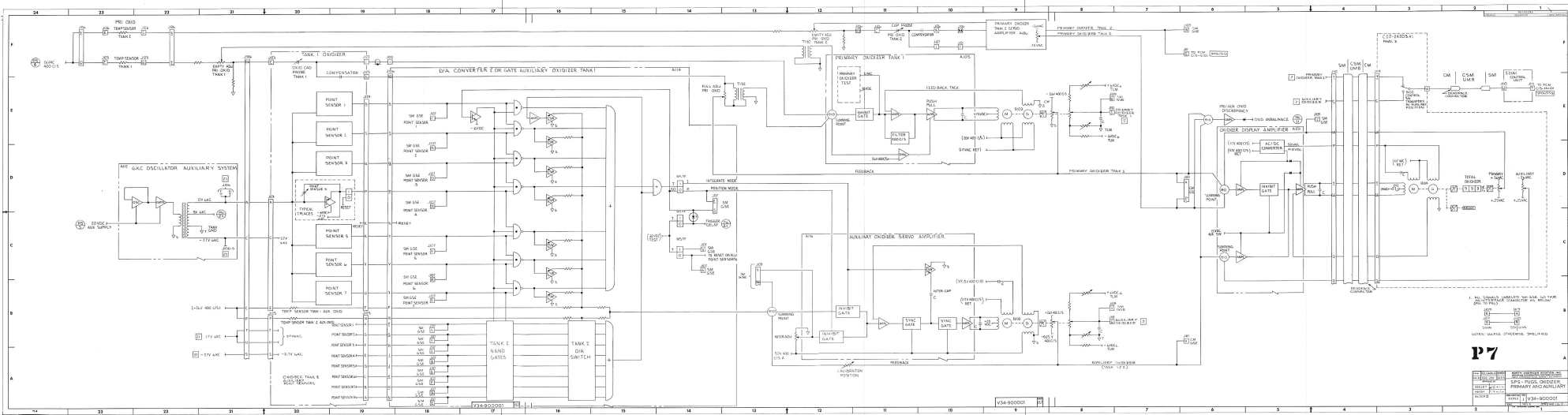






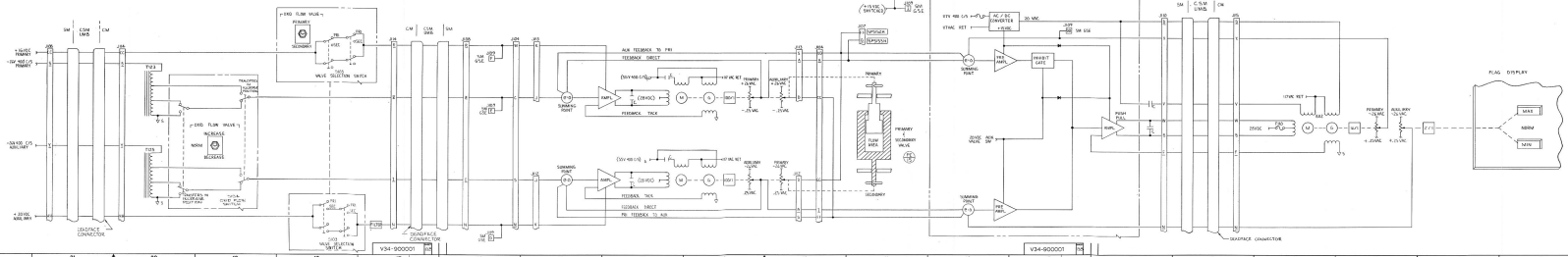
P6

REV	DATE	BY	CHKD	APP'D	DESCRIPTION
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3	10/1/68	J. H. H.	J. H. H.	J. H. H.	SPS-PLUS FUEL, PRIMARY AND AUXILIARY
4	10/1/68	J. H. H.	J. H. H.	J. H. H.	SPS-PLUS FUEL, PRIMARY AND AUXILIARY
5	10/1/68	J. H. H.	J. H. H.	J. H. H.	SPS-PLUS FUEL, PRIMARY AND AUXILIARY
6	10/1/68	J. H. H.	J. H. H.	J. H. H.	SPS-PLUS FUEL, PRIMARY AND AUXILIARY
7	10/1/68	J. H. H.	J. H. H.	J. H. H.	SPS-PLUS FUEL, PRIMARY AND AUXILIARY
8	10/1/68	J. H. H.	J. H. H.	J. H. H.	SPS-PLUS FUEL, PRIMARY AND AUXILIARY
9	10/1/68	J. H. H.	J. H. H.	J. H. H.	SPS-PLUS FUEL, PRIMARY AND AUXILIARY
10	10/1/68	J. H. H.	J. H. H.	J. H. H.	SPS-PLUS FUEL, PRIMARY AND AUXILIARY
11	10/1/68	J. H. H.	J. H. H.	J. H. H.	SPS-PLUS FUEL, PRIMARY AND AUXILIARY
12	10/1/68	J. H. H.	J. H. H.	J. H. H.	SPS-PLUS FUEL, PRIMARY AND AUXILIARY
13	10/1/68	J. H. H.	J. H. H.	J. H. H.	SPS-PLUS FUEL, PRIMARY AND AUXILIARY
14	10/1/68	J. H. H.	J. H. H.	J. H. H.	SPS-PLUS FUEL, PRIMARY AND AUXILIARY
15	10/1/68	J. H. H.	J. H. H.	J. H. H.	SPS-PLUS FUEL, PRIMARY AND AUXILIARY
16	10/1/68	J. H. H.	J. H. H.	J. H. H.	SPS-PLUS FUEL, PRIMARY AND AUXILIARY
17	10/1/68	J. H. H.	J. H. H.	J. H. H.	SPS-PLUS FUEL, PRIMARY AND AUXILIARY
18	10/1/68	J. H. H.	J. H. H.	J. H. H.	SPS-PLUS FUEL, PRIMARY AND AUXILIARY
19	10/1/68	J. H. H.	J. H. H.	J. H. H.	SPS-PLUS FUEL, PRIMARY AND AUXILIARY
20	10/1/68	J. H. H.	J. H. H.	J. H. H.	SPS-PLUS FUEL, PRIMARY AND AUXILIARY
21	10/1/68	J. H. H.	J. H. H.	J. H. H.	SPS-PLUS FUEL, PRIMARY AND AUXILIARY
22	10/1/68	J. H. H.	J. H. H.	J. H. H.	SPS-PLUS FUEL, PRIMARY AND AUXILIARY
23	10/1/68	J. H. H.	J. H. H.	J. H. H.	SPS-PLUS FUEL, PRIMARY AND AUXILIARY
24	10/1/68	J. H. H.	J. H. H.	J. H. H.	SPS-PLUS FUEL, PRIMARY AND AUXILIARY



P7

REV	DESCRIPTION	DATE	BY
1	INITIAL DESIGN	10/1/68	W. J. BROWN
2	REVISION	10/1/68	W. J. BROWN
3	REVISION	10/1/68	W. J. BROWN
4	REVISION	10/1/68	W. J. BROWN
5	REVISION	10/1/68	W. J. BROWN
6	REVISION	10/1/68	W. J. BROWN
7	REVISION	10/1/68	W. J. BROWN
8	REVISION	10/1/68	W. J. BROWN
9	REVISION	10/1/68	W. J. BROWN
10	REVISION	10/1/68	W. J. BROWN
11	REVISION	10/1/68	W. J. BROWN
12	REVISION	10/1/68	W. J. BROWN
13	REVISION	10/1/68	W. J. BROWN
14	REVISION	10/1/68	W. J. BROWN
15	REVISION	10/1/68	W. J. BROWN
16	REVISION	10/1/68	W. J. BROWN
17	REVISION	10/1/68	W. J. BROWN
18	REVISION	10/1/68	W. J. BROWN
19	REVISION	10/1/68	W. J. BROWN
20	REVISION	10/1/68	W. J. BROWN
21	REVISION	10/1/68	W. J. BROWN
22	REVISION	10/1/68	W. J. BROWN
23	REVISION	10/1/68	W. J. BROWN
24	REVISION	10/1/68	W. J. BROWN



1. ALL SIGNALS LABELED SM USE
OR TAIL AIR INTERFERENCE
AS BELOW (PER TS P10)

SM USE
T/AIR
5.5VDC
5.5VDC

NOTES: UNLESS OTHERWISE SPECIFIED

P8

REV	1	DATE	10/10/68	BY	W. H. HARRIS	CHKD	W. H. HARRIS
REV	2	DATE	10/10/68	BY	W. H. HARRIS	CHKD	W. H. HARRIS
REV	3	DATE	10/10/68	BY	W. H. HARRIS	CHKD	W. H. HARRIS
REV	4	DATE	10/10/68	BY	W. H. HARRIS	CHKD	W. H. HARRIS
REV	5	DATE	10/10/68	BY	W. H. HARRIS	CHKD	W. H. HARRIS
REV	6	DATE	10/10/68	BY	W. H. HARRIS	CHKD	W. H. HARRIS
REV	7	DATE	10/10/68	BY	W. H. HARRIS	CHKD	W. H. HARRIS
REV	8	DATE	10/10/68	BY	W. H. HARRIS	CHKD	W. H. HARRIS
REV	9	DATE	10/10/68	BY	W. H. HARRIS	CHKD	W. H. HARRIS
REV	10	DATE	10/10/68	BY	W. H. HARRIS	CHKD	W. H. HARRIS

SECTION R

REACTION CONTROL SUBSYSTEM
AND
PROPELLANT GAUGING

BLOCK II

CODE IDENT NO.
03953

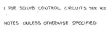
SIZE
A

V34-900001

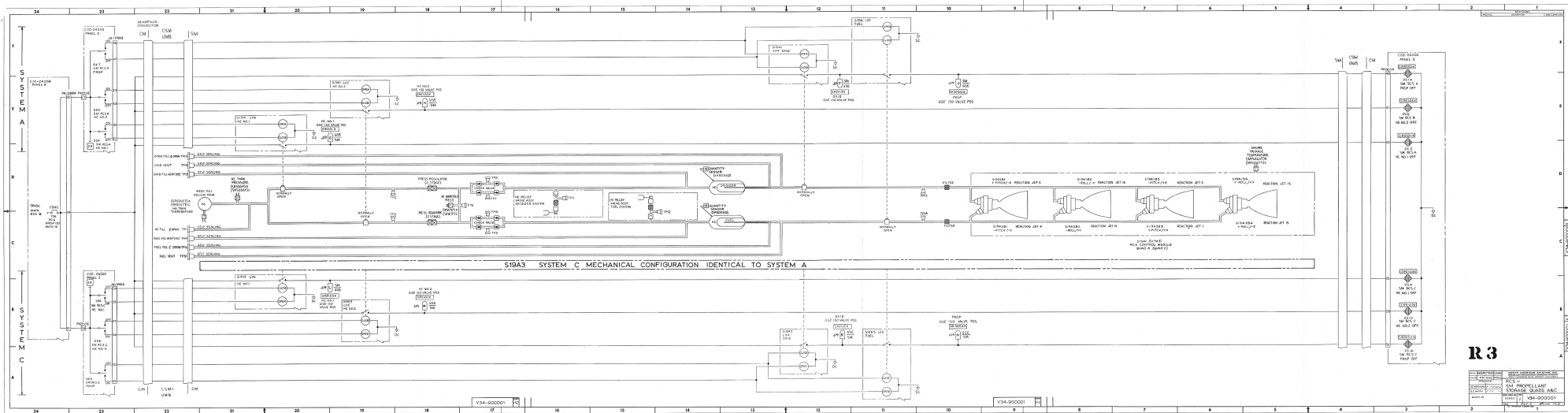
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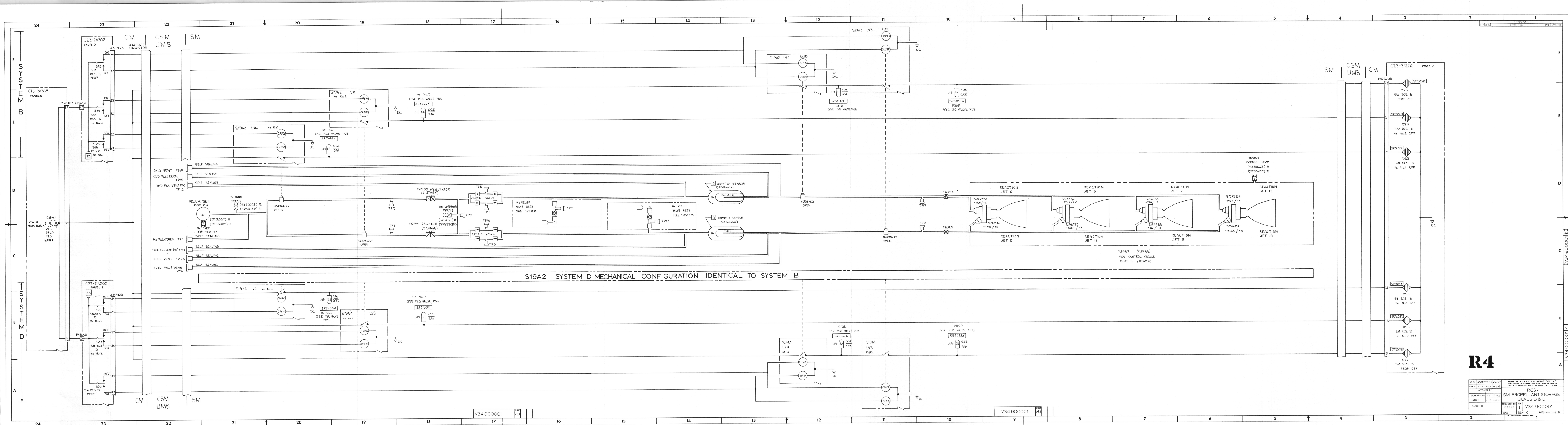
REV. K

SHEET 14



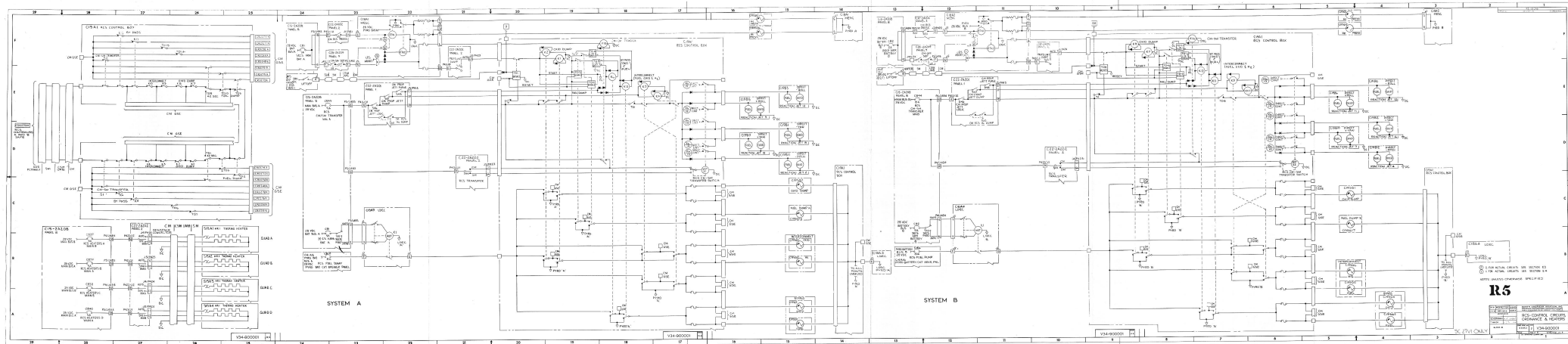
101-1 102-1 103-1 104-1 105-1 106-1 107-1 108-1 109-1 110-1 111-1 112-1 113-1 114-1 115-1 116-1 117-1 118-1 119-1 120-1 121-1 122-1 123-1 124-1 125-1 126-1 127-1 128-1 129-1 130-1 131-1 132-1 133-1 134-1 135-1 136-1 137-1 138-1 139-1 140-1 141-1 142-1 143-1 144-1 145-1 146-1 147-1 148-1 149-1 150-1 151-1 152-1 153-1 154-1 155-1 156-1 157-1 158-1 159-1 160-1 161-1 162-1 163-1 164-1 165-1 166-1 167-1 168-1 169-1 170-1 171-1 172-1 173-1 174-1 175-1 176-1 177-1 178-1 179-1 180-1 181-1 182-1 183-1 184-1 185-1 186-1 187-1 188-1 189-1 190-1 191-1 192-1 193-1 194-1 195-1 196-1 197-1 198-1 199-1 200-1 201-1 202-1 203-1 204-1 205-1 206-1 207-1 208-1 209-1 210-1 211-1 212-1 213-1 214-1 215-1 216-1 217-1 218-1 219-1 220-1 221-1 222-1 223-1 224-1 225-1 226-1 227-1 228-1 229-1 230-1 231-1 232-1 233-1 234-1 235-1 236-1 237-1 238-1 239-1 240-1 241-1 242-1 243-1 244-1 245-1 246-1 247-1 248-1 249-1 250-1 251-1 252-1 253-1 254-1 255-1 256-1 257-1 258-1 259-1 260-1 261-1 262-1 263-1 264-1 265-1 266-1 267-1 268-1 269-1 270-1 271-1 272-1 273-1 274-1 275-1 276-1 277-1 278-1 279-1 280-1 281-1 282-1 283-1 284-1 285-1 286-1 287-1 288-1 289-1 290-1 291-1 292-1 293-1 294-1 295-1 296-1 297-1 298-1 299-1 300-1 301-1 302-1 303-1 304-1 305-1 306-1 307-1 308-1 309-1 310-1 311-1 312-1 313-1 314-1 315-1 316-1 317-1 318-1 319-1 320-1 321-1 322-1 323-1 324-1 325-1 326-1 327-1 328-1 329-1 330-1 331-1 332-1 333-1 334-1 335-1 336-1 337-1 338-1 339-1 340-1 341-1 342-1 343-1 344-1 345-1 346-1 347-1 348-1 349-1 350-1 351-1 352-1 353-1 354-1 355-1 356-1 357-1 358-1 359-1 360-1 361-1 362-1 363-1 364-1 365-1 366-1 367-1 368-1 369-1 370-1 371-1 372-1 373-1 374-1 375-1 376-1 377-1 378-1 379-1 380-1 381-1 382-1 383-1 384-1 385-1 386-1 387-1 388-1 389-1 390-1 391-1 392-1 393-1 394-1 395-1 396-1 397-1 398-1 399-1 400-1 401-1 402-1 403-1 404-1 405-1 406-1 407-1 408-1 409-1 410-1 411-1 412-1 413-1 414-1 415-1 416-1 417-1 418-1 419-1 420-1 421-1 422-1 423-1 424-1 425-1 426-1 427-1 428-1 429-1 430-1 431-1 432-1 433-1 434-1 435-1 436-1 437-1 438-1 439-1 440-1 441-1 442-1 443-1 444-1 445-1 446-1 447-1 448-1 449-1 450-1 451-1 452-1 453-1 454-1 455-1 456-1 457-1 458-1 459-1 460-1 461-1 462-1 463-1 464-1 465-1 466-1 467-1 468-1 469-1 470-1 471-1 472-1 473-1 474-1 475-1 476-1 477-1 478-1 479-1 480-1 481-1 482-1 483-1 484-1 485-1 486-1 487-1 488-1 489-1 490-1 491-1 492-1 493-1 494-1 495-1 496-1 497-1 498-1 499-1 500-1 501-1 502-1 503-1 504-1 505-1 506-1 507-1 508-1 50
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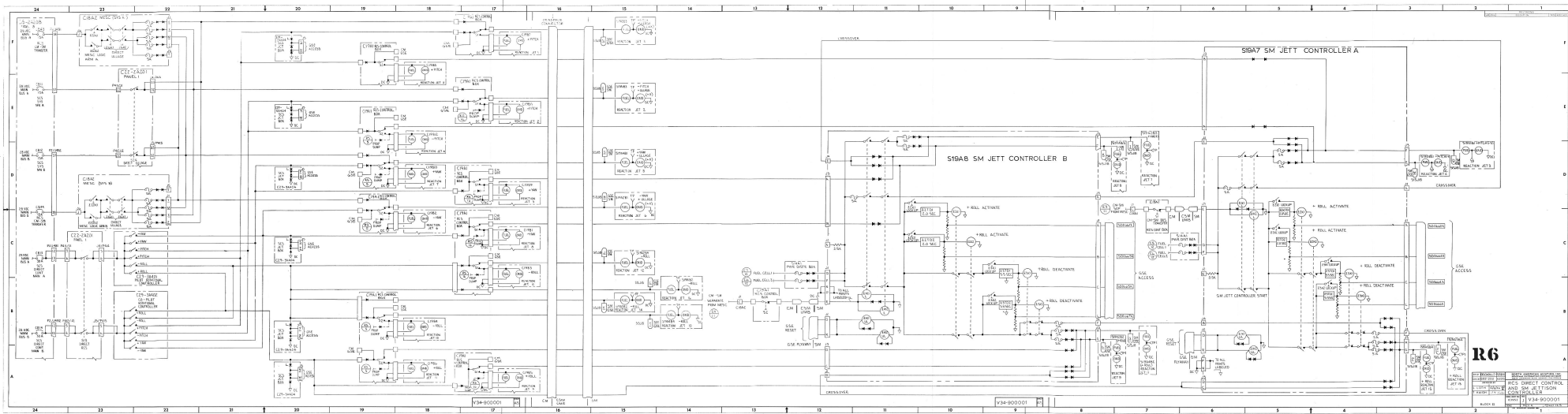




IR4

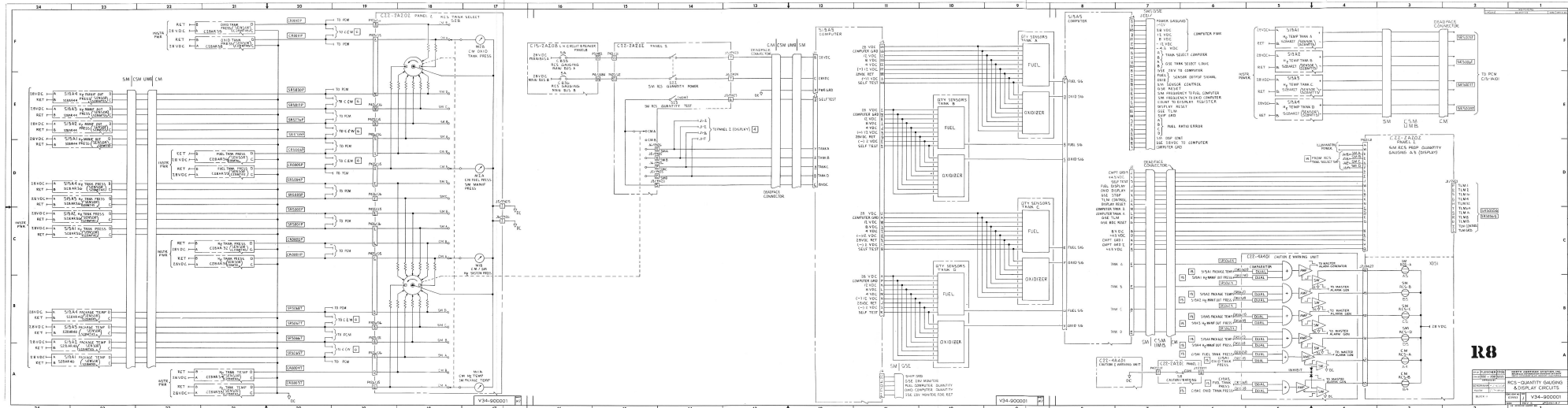
DR BY	HOSTETTER	10/25/82	NORTH AMERICAN AVIATION, INC. SPACE AND INFORMATION SYSTEMS DIVISION 12814 LAKEWOOD BLVD. DOWNEY, CALIFORNIA	
CHK BY	692-202	6205	RCS- SM PROPELLANT STORAGE QUADS B & D	
APPROVED BY				
SCHORMAN	10/25/82			
HAIGH	10/25/82			
BLOCK II			CODE (IDENT NO)	SHEET J
			03953	V34-900001
			SCALE	REV K
				692 SHEET 1-4 3





R6

DATE	10/1/54	BY	W. J. B. / J. W. B.
REVISED	10/1/54	BY	W. J. B. / J. W. B.
DESCRIPTION	RCS DIRECT CONTROL AND SM JETT CONTROLLER		
FIGURE	1		
REVISION	V34-900001		
DATE	10/1/54	BY	W. J. B. / J. W. B.



SECTION T

COMMUNICATIONS
AND
INSTRUMENTATION

BLOCK II

CODE IDENT NO.
03953

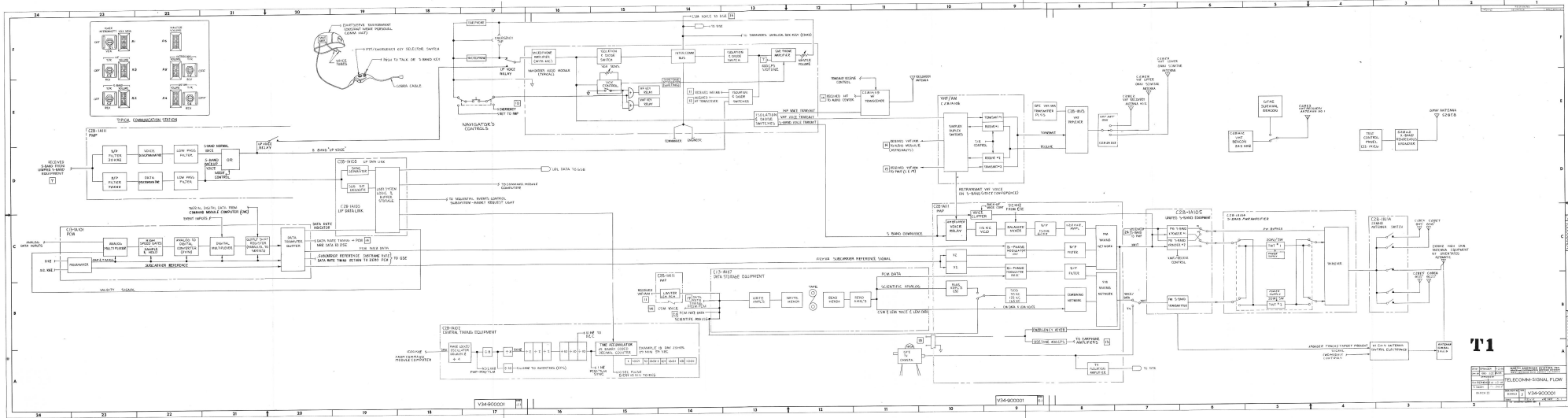
SIZE
A

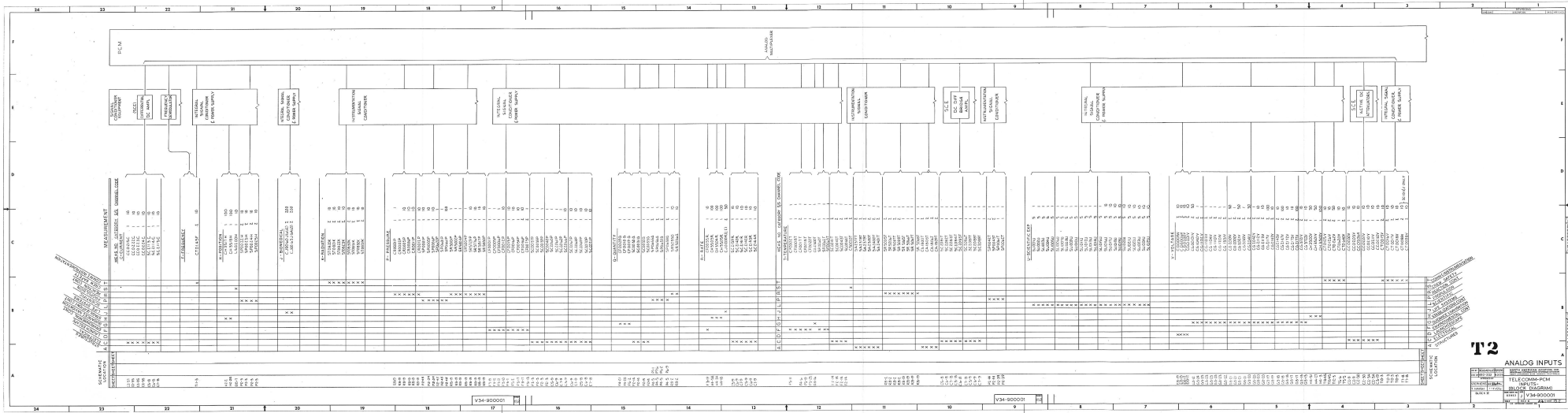
V34-900001

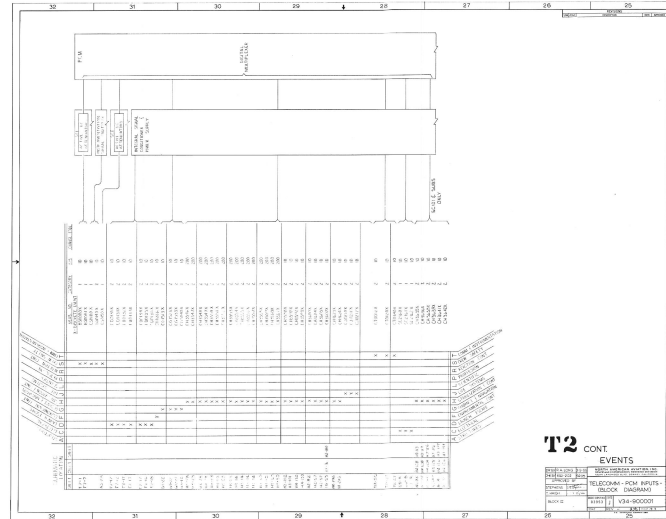
SCALE

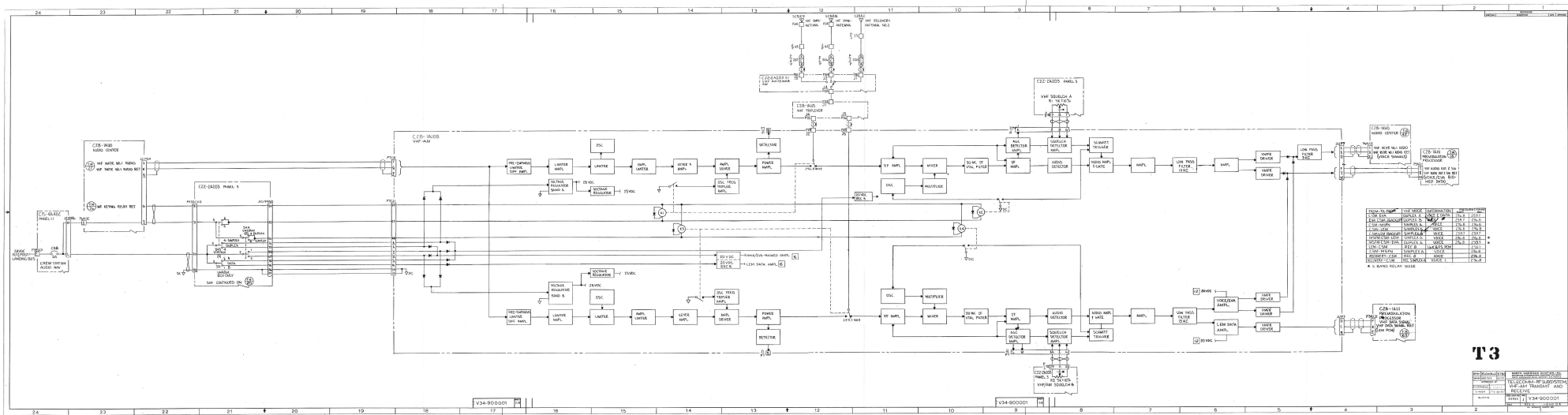
REV. K

SHEET 15









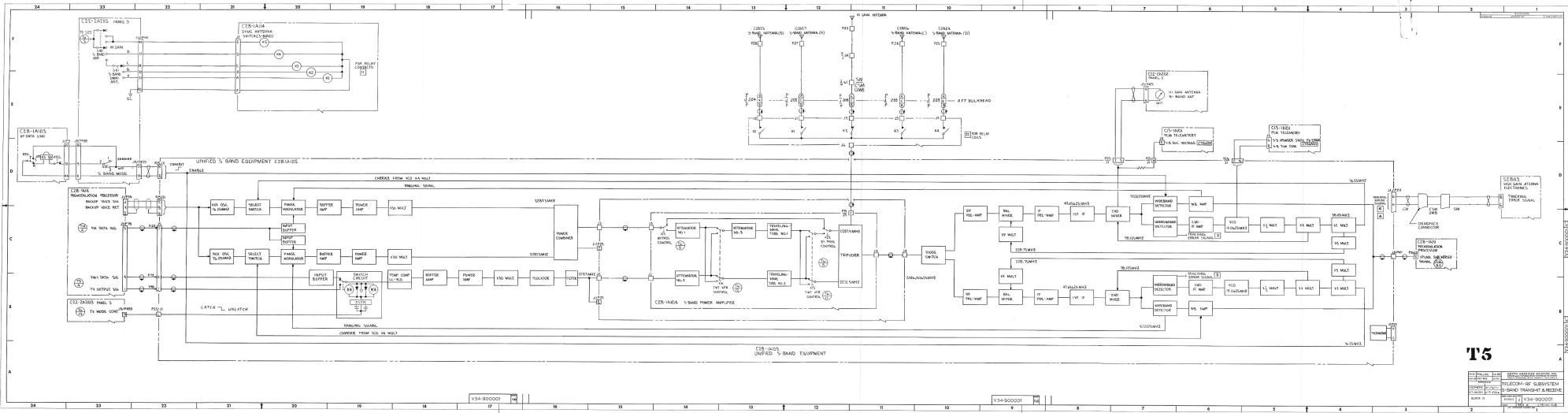
T3

TELECOMMUNICATIONS
VHF-AM TRANSMIT AND
RECEIVE
V34-900001

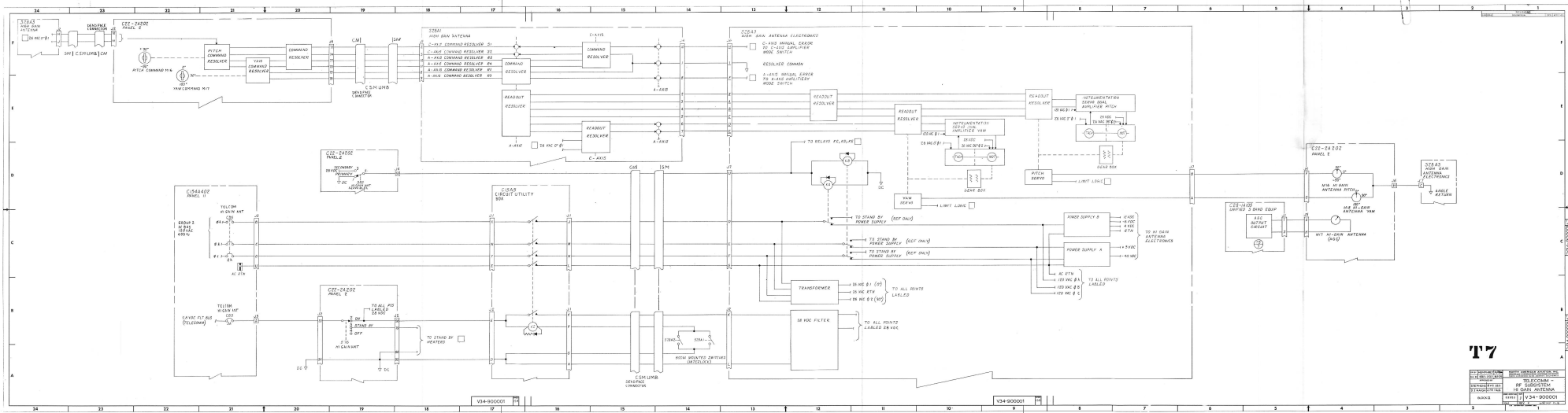


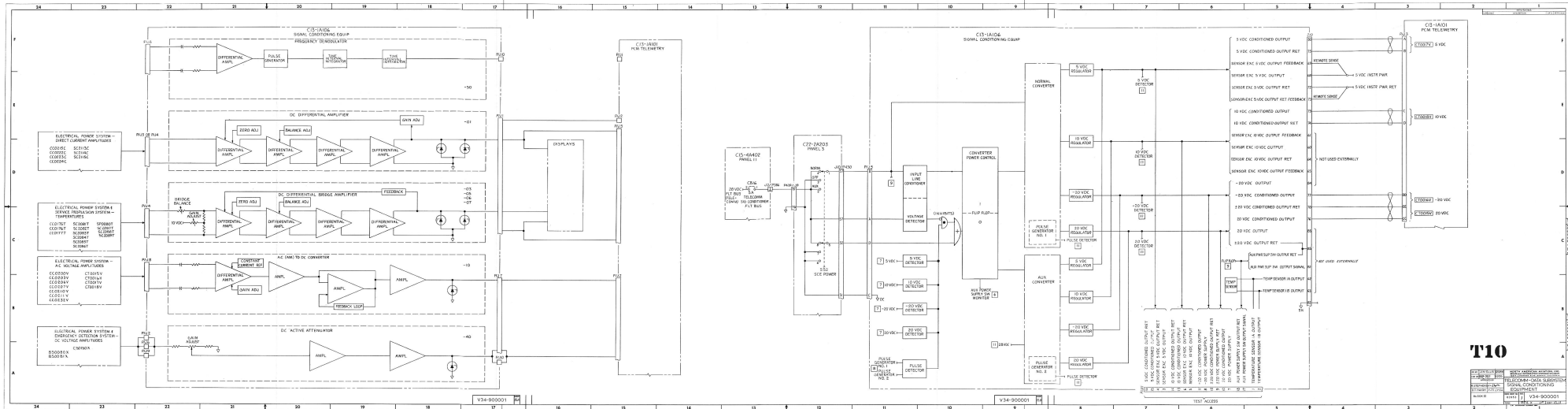
FROM - TO	W/ NEED	INFORMATION	FREQUENCY (MHz)
C/SW-RECOVERY	SMPLE (SW)	VOICE	10.006
C/SW-RECOVERY	SMPLE (SW)	VOICE	10.016
C/SW-RECOVERY	BEACON	CH	10.016

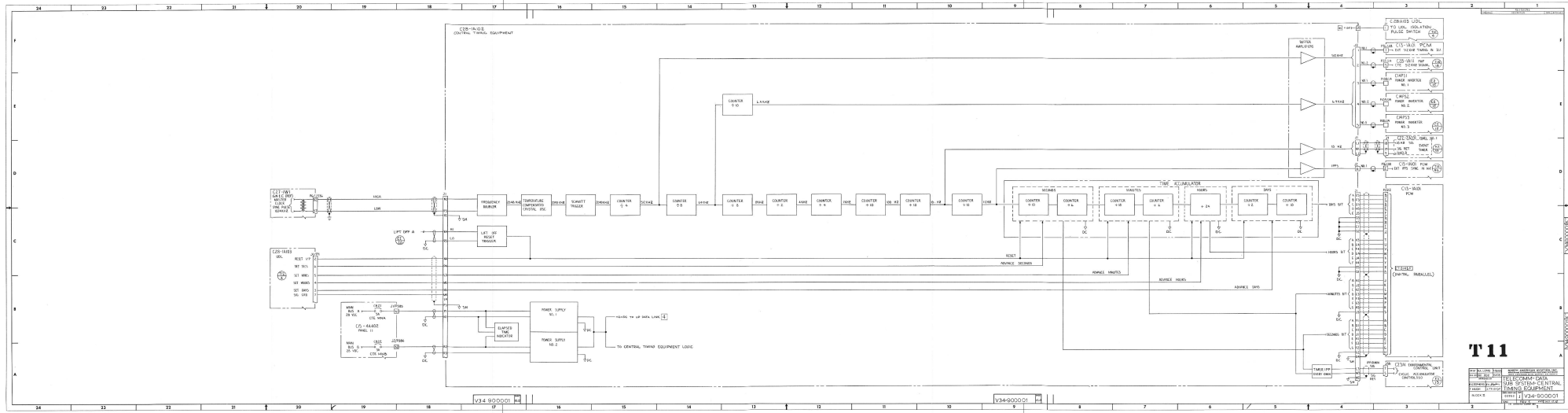
[illegible]



[illegible]

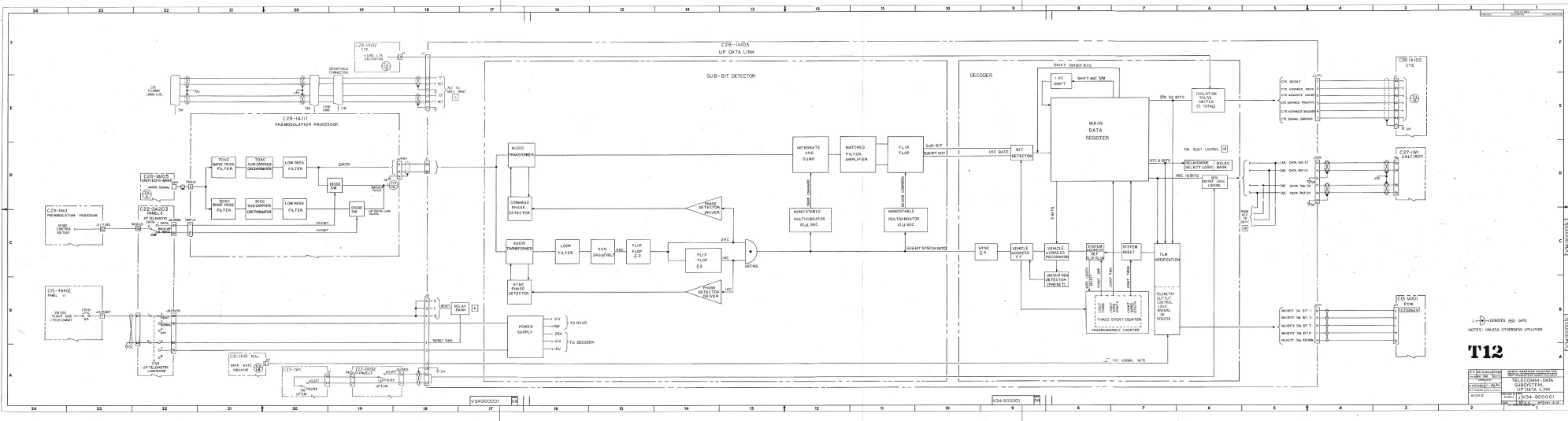


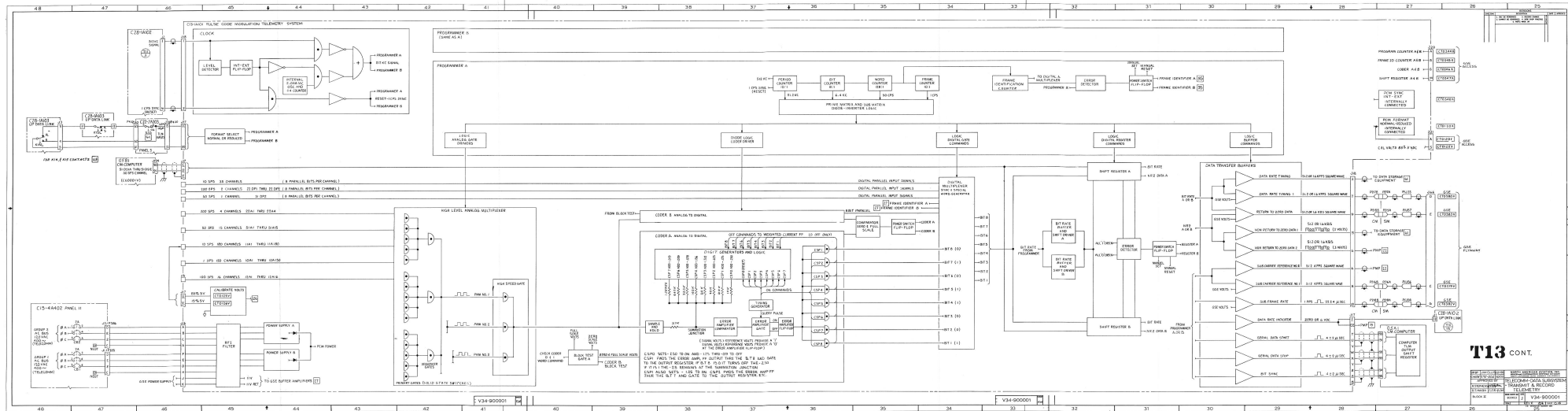


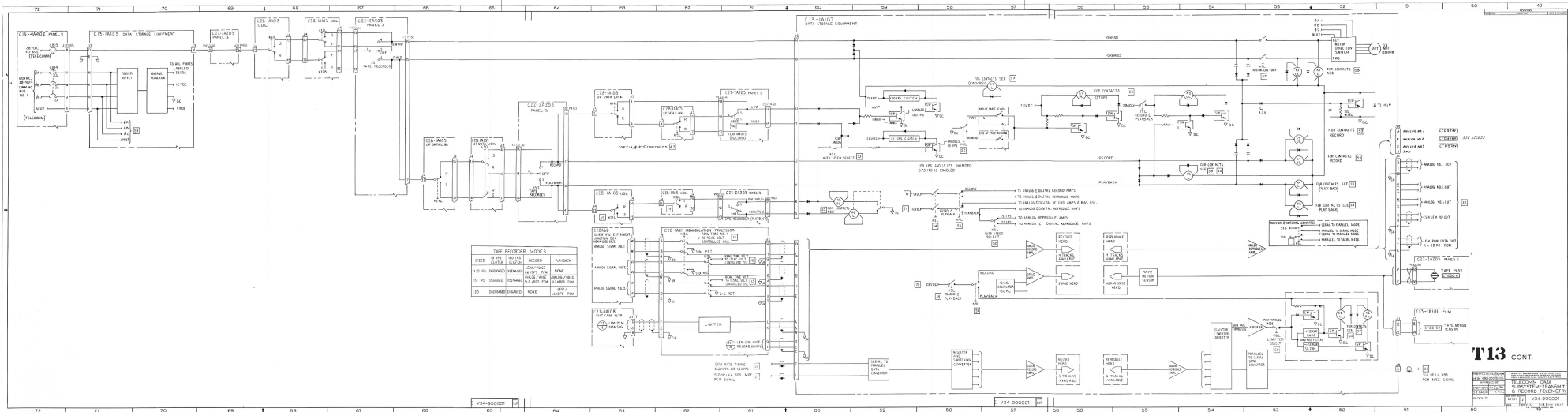


T11

TELECOMM DATA	TELECOMM DATA
SUB SYSTEM-CENTRAL	SUB SYSTEM-CENTRAL
TIMING EQUIPMENT	TIMING EQUIPMENT
BLOCK 1	BLOCK 1
V34-900001	V34-900001

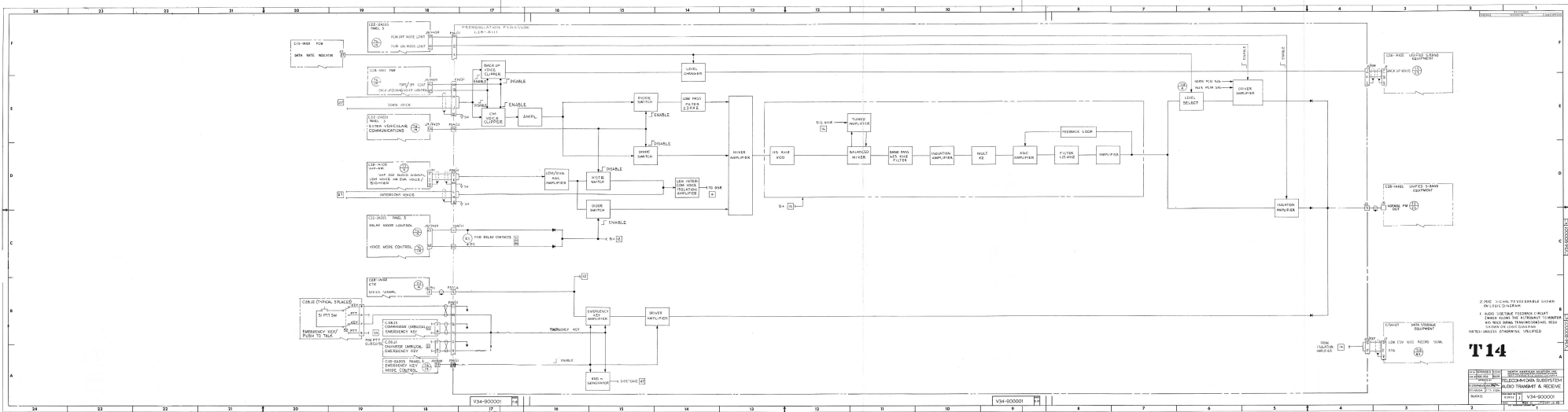


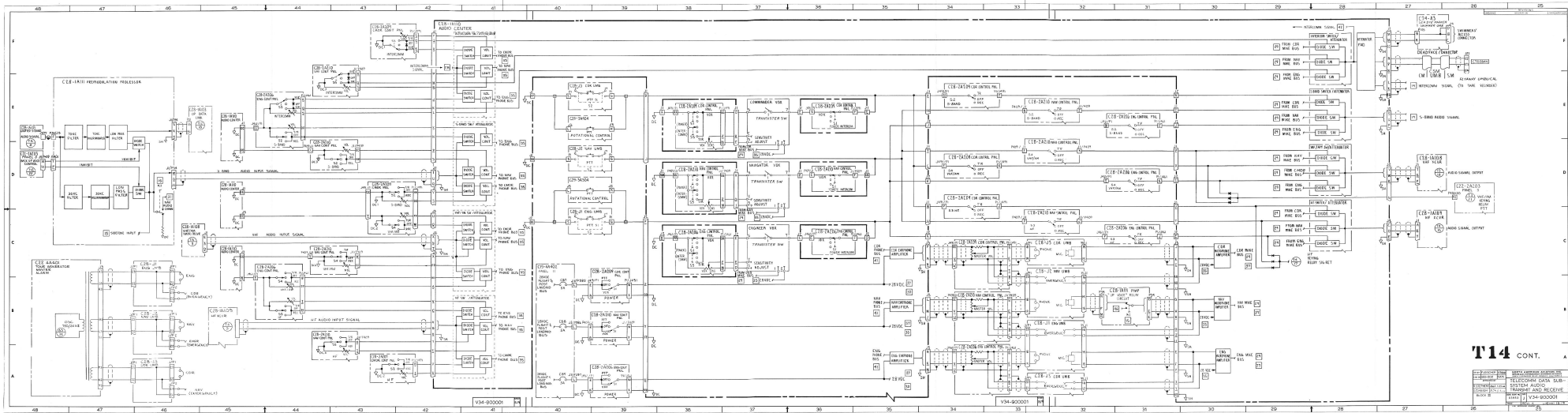




T13 CONT.

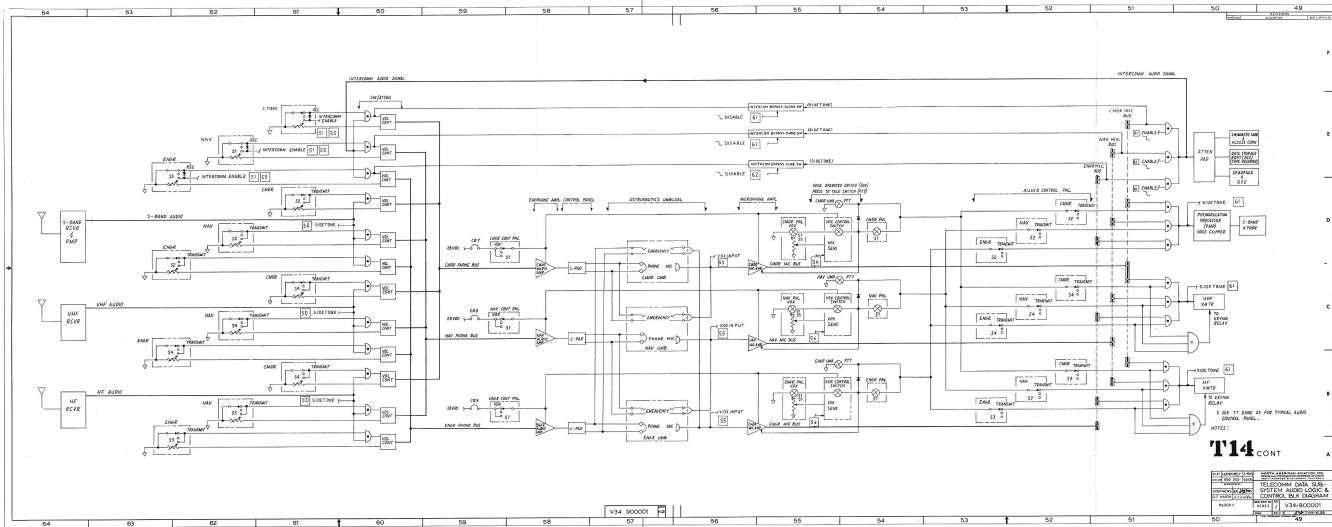
TELECOMM DATA
SUBSYSTEM TRANSMIT
& RECORD TELEMETRY
BLOCK 2
V34-900001





T14 CONT.

[illegible]



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