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OPTION INDEX			
APP OR WRG	RATED ON ISSUE	REF NOTES	LOCATION

DWG ISS	CD ISS	DATE ISS	DRN	APP
1	1	10-02-91		
28	1A	5-18-92		
38	2A	5-18-92		

SUPPORTING INFORMATION		SHEET INDEX NOTES
CATEGORY	NO.	
EQUIPMENT DRAWING	JSD003FH SD-S0140-01 SD-S0144-01 SD-S0144-02 SD-S0118-03 SD-S0119-02 SD-S0160-01	<ol style="list-style-type: none"> ONLY THE LATEST ISSUE, OR ISSUES IF CONCURRENT, ARE SHOWN IN THE INDEX. FOR REISSUES, A CHANGED OR NEW SHEET IS ASSIGNED THE SAME ISSUE NUMBER AS SHEET 1. THE ISSUE NUMBER OF SHEET 1 IS RECOGNIZED AS THE ISSUE NUMBER OF THE WHOLE DRAWING.

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BT13

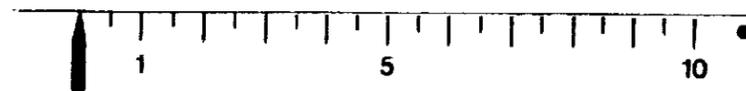
SESS® SWITCHING EQUIPMENT

6 FAN BI-DIRECTIONAL UNIT
CIRCUIT

DWG SIZE	ISSUE
C2	3B

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16 SHEETS

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DESIGNATION MNEMONICS INDEX

MNEMONIC	FS/SYN	DEFINITION
ALD(A-01)	1	ALARM LED
ALM(A-01)	1	FAN ALARM
ALMRTM(A-01)	1	ALARM LED RETURN
FANPMR	1	FAN POWER
FLED(B-1)	1	CABINET LED RETURN
FLEDR	1	CABINET LED RETURN
GRD	1	5VOLT FAN POWER GRD
RSTR	1	REMOTE RESET RETURN
RSTFAN	1	REMOTE RESET REPEAT RETURN
RSTFANS	1	REMOTE RESET REPEAT
SCANR	1	SCAN POINT OUTPUT RETURN
SM1/2	1	MANUAL ALARM RESET SWITCH
9RST1	1	REMOTE RESET SPARE
9SCAN9	1	SCAN SPARE
1RST1	1	REMOTE RESET SPARE
1SCAN9	1	SCAN SPARE
3SCAN9	1	SCAN POINT OUTPUT
3RST1	1	REMOTE RESET
-48(A-01)	1	NEGATIVE 48 VOLT SUPPLY
48RTM(A-01)	1	NEGATIVE 48 VOLT RETURN

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6 FAN BI-DIRECTIONAL

DRG SIZE	ISSUE
C2	1

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SHEET
A2

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0 1 2 3 4 5 6 7 8 9

A
B
C
D
E
F
G
H

A
B
C
D
E
F
G
H

APPARATUS INDEX			
DESIG	LOCATION		
	FS	APP FIG.	EQPT
CIRCUIT PACK			
CP1	1F4	1	

LEAD INDEX		
DESIG	LOCATION	
	FS	CRD
CABINET LEADS		
FLED1	1H7	2C2
FLED2	1H7	2C2
FLED3	1H7	2B3

DESIG	LOCATION	
	FS	CRD
SUCCEEDING FAN UNIT		
3BSCAN#	1H4	1B7
RSTFAN	1H4	1C7
RSTFANS	1H4	1B7
SCANR	1H4	1B7

CONNECTOR			
C1	1D5	1	
C2	1D6	1	
C3	1D7	1	
C4	1D2	1	
C5	1D3	1	
C6	1D4	1	

FAN LEADS		
ALEDA	1E8	2C8
ALEDB	1E8	2C8
ALEDC	1F8	2C8
ALEDE	1F8	2C8
ALEDF	1G8	2C8
ALEDO	1G8	2C8
ALMRTNA	1E8	2C8
ALMRTNB	1F8	2C8
ALMRTNC	1F8	2C8
ALMRTNE	1F8	2C8
ALMRTNF	1G8	2C8
ALMRTNG	1G8	2C8

FAN			
A	1C5	1	
B	1C6	1	
C	1C7	1	
E	1C2	1	
F	1C3	1	
G	1C4	1	

FUSE/FILTER PANEL		
-48PE	1A4	3E2
-48BF	1A4	3D2
-48CO	1A4	3C2
-48A	1A4	3E2
-48B	1A4	3D2
-48C	1A4	3C2
-48E	1A4	3D5
-48F	1A4	3D5
-48G	1A4	3B5
48RTNAE	1A4	3E2
48RTNBF	1A4	3D2
48RTNCO	1A4	3C2
48RTNA	1A4	3E2
48RTNB	1A4	3D2
48RTNC	1A4	3C2
48RTNE	1A4	3D5
48RTNF	1A4	3D5
48RTNG	1A4	3B5

LEDS			
DS1	1E8	1	
DS2	1E8	1	
DS3	1F8	1	
DS4	1F8	1	
DS5	1G8	1	
DS6	1G8	1	

SWITCH			
SW1	1F1	1	

18P 0 OR PRECEDING FAN UNIT		
3BRST1	1H2	1C3
3BSCAN#	1H1	1B3
RSTR	1H2	1B3
SCANR	1H1	1B3

TERMINAL STRIP			
TS0	1B4	1	
TS1	1B1	1	

18P 1 OR NC		
3BRST1	1H3	1B5
3BSCAN#	1H3	1B5
RSTR	1H3	1B5
SCANR	1H3	1B5

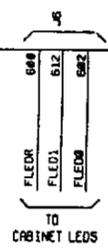
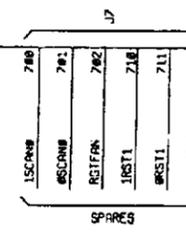
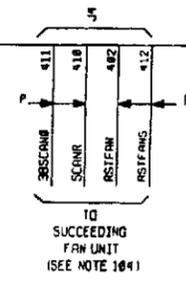
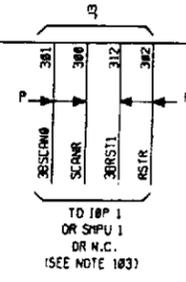
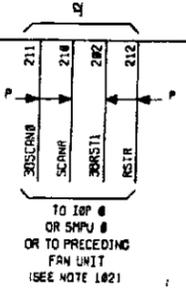
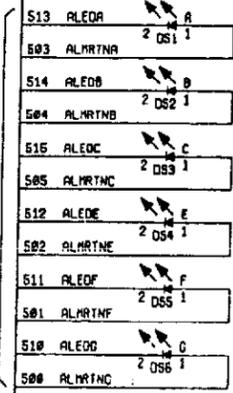
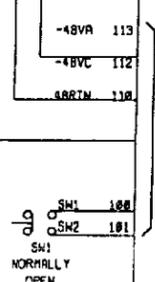
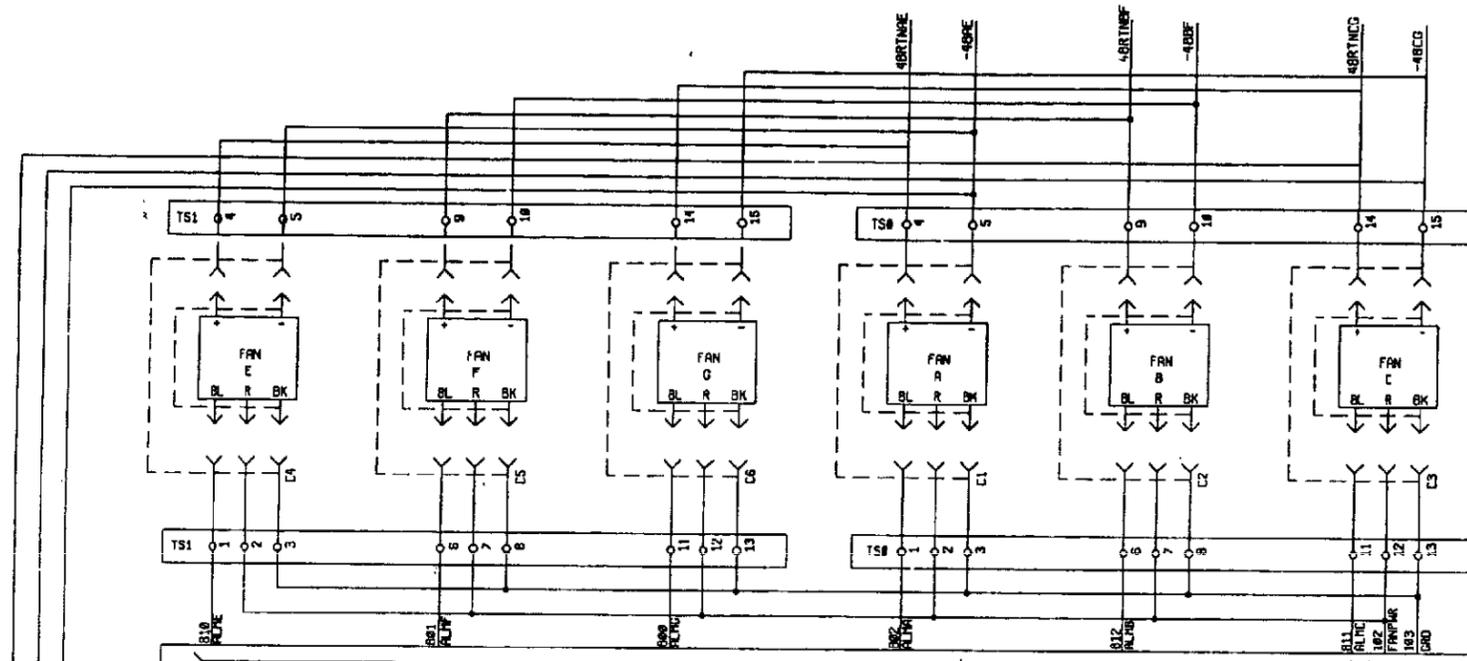
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P/O FS 1 (OPTION Z)

FAN UNIT AND ALARM CIRCUIT

TO FUSE/FILTER PANEL



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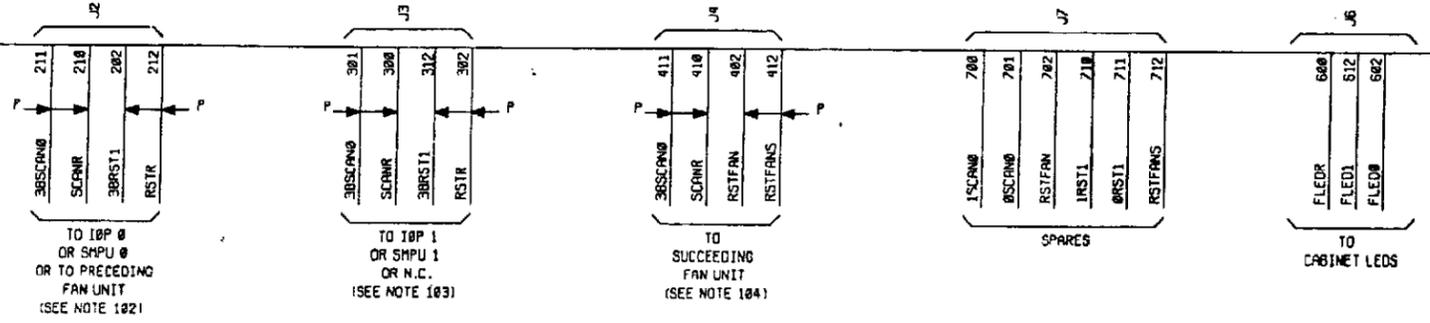
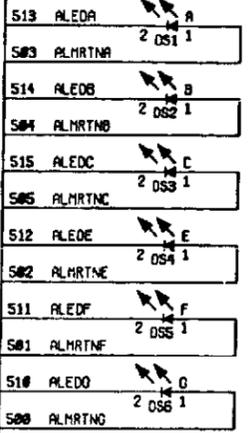
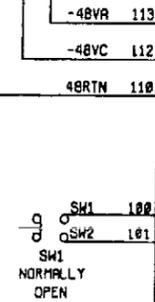
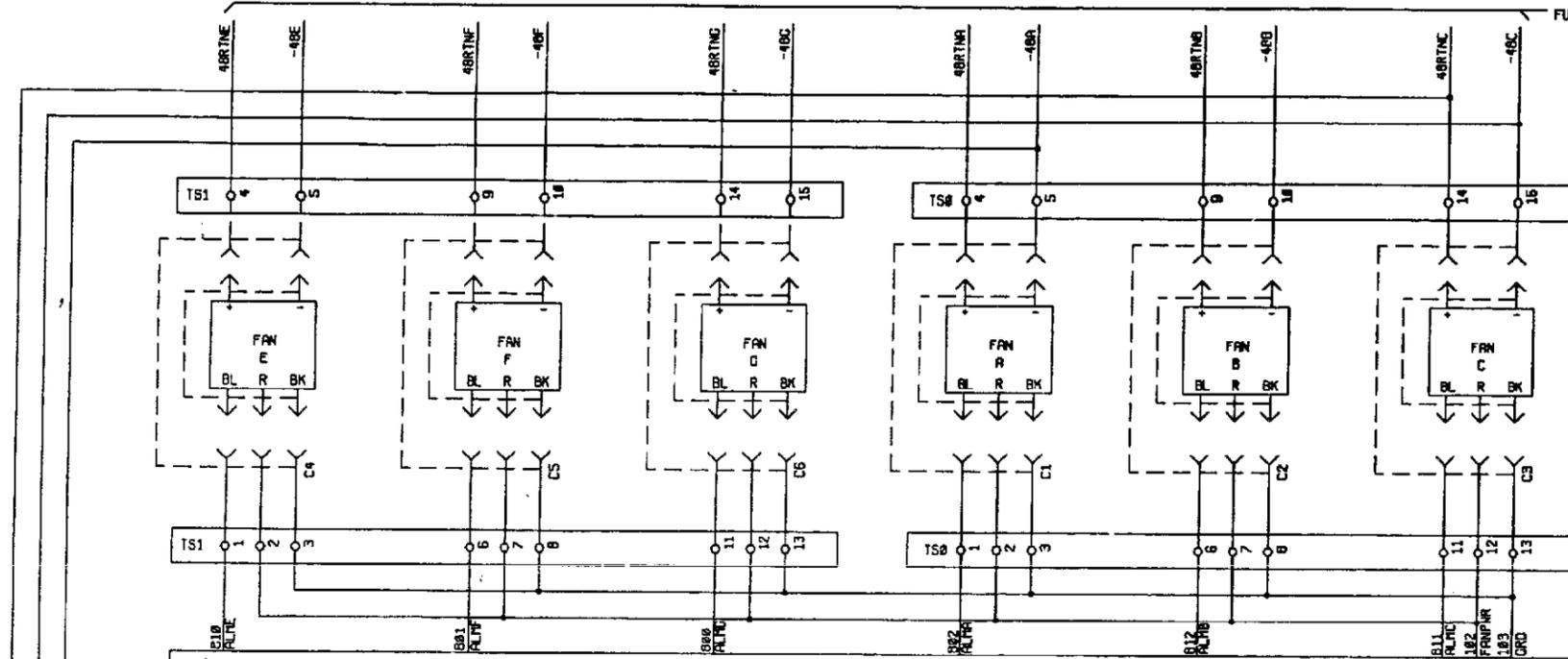
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P/O FS 1 (OPTION X)

FAN UNIT AND ALARM CIRCUIT

TO FUSE/FILTER PANEL



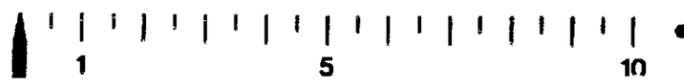
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DWG SIZE	ISSUE
C2	3B

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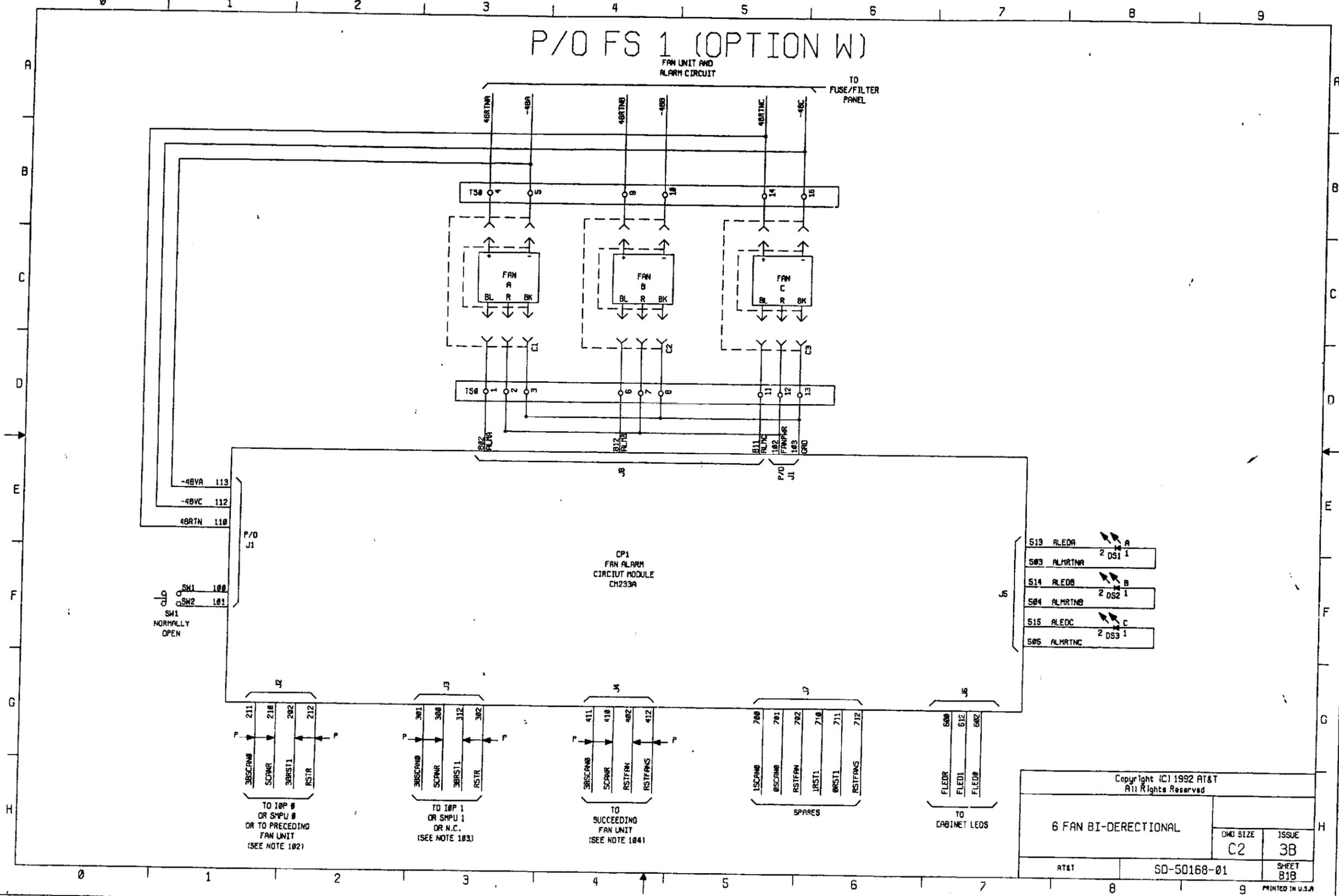
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P/O FS 1 (OPTION W)

FAN UNIT AND ALARM CIRCUIT

TO FUSE/FILTER PANEL



SW1 100
SW2 101
SW1 NORMALLY OPEN

J2
211 218 202 212
3BSCRN8 SCNR 3BRST1 RSTR
TO IOP # OR SMPU # OR TO PRECEDING FAN UNIT (SEE NOTE 102)

J3
301 300 312 302
3BSCRN8 SCNR 3BRST1 RSTR
TO IOP 1 OR SMPU 1 OR N.C. (SEE NOTE 103)

J4
411 410 402 412
3BSCRN8 SCNR RSTFAN RSTFANS
TO SUCCEEDING FAN UNIT (SEE NOTE 104)

J7
700 701 702 710 711 712
1SCRN8 0SCRN8 RSTFAN JRST1 0RST1 RSTFANS
SPARES

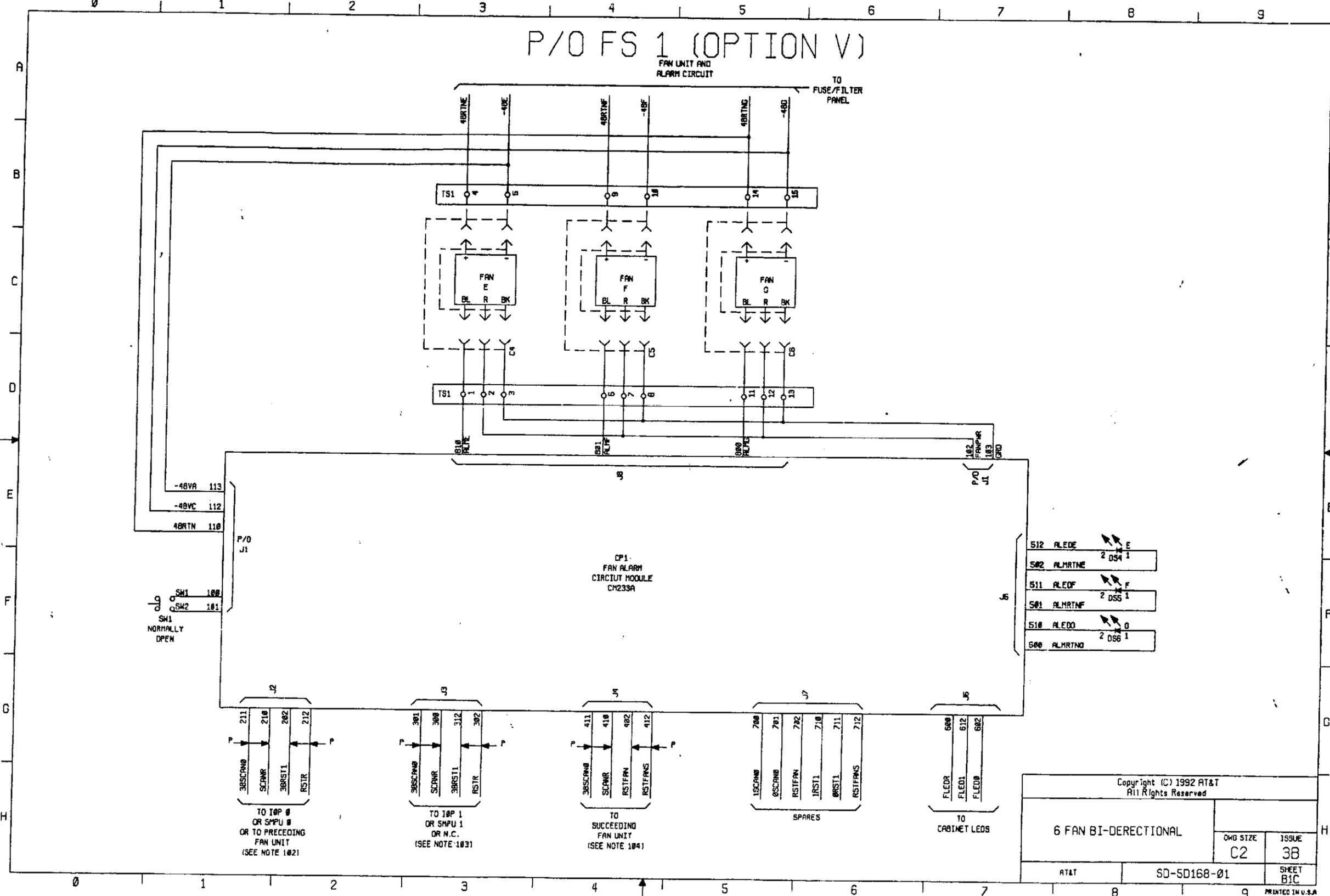
J6
600 612 602
FLEDR FLEDI FLEDR
TO CABINET LEOS

J5
513 ALEDA 2 DS1 1
503 ALHRTNA 2 DS1 1
514 ALEDB 2 DS2 1
504 ALHRTNB 2 DS2 1
515 ALEDC 2 DS3 1
505 ALHRTNC 2 DS3 1

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P/O FS 1 (OPTION V)

FAN UNIT AND ALARM CIRCUIT



SH1 100
SH2 101
SH1 NORMALLY OPEN

J2
385CANG 211
SCNMR 210
38RST1 202
RSTR 212
TO IOP #
OR SMPU #
OR TO PRECEDING
FAN UNIT
(SEE NOTE 102)

J3
385CANG 301
SCNMR 300
38RST1 312
RSTR 302
TO SMPU 1
OR N.C.
(SEE NOTE 103)

J4
385CANG 411
SCNMR 410
RSTFAN 402
RSTFANS 412
TO SUCCEEDING
FAN UNIT
(SEE NOTE 104)

J7
15CANG 700
65CANG 701
RSTFAN 702
1RST1 710
6RST1 711
RSTFANS 712
SPARES

J6
FLEDR 600
FLED1 612
FLEDB 602
TO CABINET LEDS

- 512 ALMDE 2 DS4 1
- 502 ALMRTN 2 DS4 1
- 511 ALMDF 2 DS5 1
- 501 ALMRTNF 2 DS5 1
- 510 ALMDO 2 DS6 1
- 500 ALMRTND 2 DS6 1

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— APP FIG. 1 —

— APP FIG. 2 —

CIRCUIT PACK

DESIG	LOC	CODE
CP1	1F4	CM239A

CONNECTOR

DESIG	LOC	CODE
C1	1D5	AMP (SEE NOTE 304)
C2	1D6	AMP (SEE NOTE 304)
C3	1D7	AMP (SEE NOTE 304)
C4	1D2	AMP (SEE NOTE 304)
C5	1D3	AMP (SEE NOTE 304)
C8	1D4	AMP (SEE NOTE 304)

FAN OPTION Z

DESIG	LOC	CODE
A	1C5	MODEL
B	1C6	* P04853HBDLX / #31122
C	1C7	KS23912L1A
E	1C2	CC#406667000
F	1C3	↓
G	1C4	

LIGHT EMITTING DIODES

DESIG	LOC	CODE
DS1	1E8	LED WP90913L1
DS2	1E8	↓
DS3	1F8	↓
DS4	1F8	↓
DS5	1G8	↓
DS6	1G8	↓

SWITCH

DESIG	LOC	CODE
SM1	1F1	SA-4150W1-2-2

TERMINAL STRIP

DESIG	LOC	CODE
TS0	1B4, 1D4	EBY 15-84-2E1F-01A
TS1	1B1, 1D1	EBY 15-84-2E1F-01A

FAN OPTION Y

DESIG	LOC	CODE
A	1C5	ROTRON
B	1C6	* P04853HBDLX / #31122
C	1C7	KS23912L5
E	1C2	CC#406734624
F	1C3	↓
G	1C4	

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CIRCUIT NOTES:

DESIGN	FUSE SIZE	POTENTIAL	ONE PER
78B	2	-48V	FAN
BATTERY SYMBOL		VOLTAGE RANGE	
-48V		-42.75V TO -52.5	

102. MASTER UNIT: TO IDP 0 TO MCTU 0 IF USED IN THE SMC CABINET, OR LTP CABINET.
 SLAVE UNIT: FROM (J4) PREVIOUS FAN UNIT.
103. MASTER UNIT: TO IDP 1 OR TO MCTU 1 IF USED IN THE SMC CABINET, OR LTP CABINET.
 SLAVE UNIT: NO CONNECT.
104. MASTER UNIT: TO (J2) OF THE SUCCEEDING UNIT NO CONNECT OTHERWISE.
 SLAVE UNIT: TO (J2) OF THE SUCCEEDING UNIT NO CONNECT OTHERWISE.
105. THE CONNECTIONS SPECIFIED IN NOTES 102-104 APPLY TO 6 FAN UNITS INTERCONNECTIONS ONLY. IN CASE 6 FAN UNITS (SD-50081-01) ARE INTERMIXED WITH OTHER FAN UNITS, SEE THE SWITCHING MODULE APPLICATION SCHEMATIC (SD-50012-02) FOR INTERCONNECTION INSTRUCTIONS.

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INFORMATION NOTES:

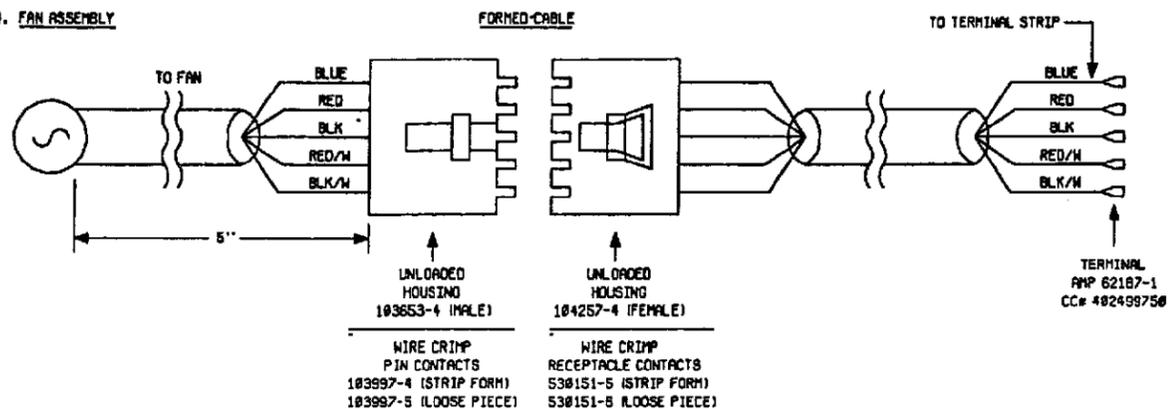
301. UNLESS OTHERWISE SPECIFIED:
RESISTANCE VALUES ARE IN OHMS.
CAPACITANCE VALUES ARE IN MICROFARADS.
VALUES PRECEDED BY THE SYMBOL + (PLUS)
OR - (MINUS) ARE IN VOLTS.

302. FEATURE OR OPTION	PROVIDE		
	DEF FIG	APP FOR JOB	QUANTITY
BASIC 6 FAN UNIT 2 FANS PER FUSE	1	Z	1
BASIC 6 FAN UNIT RISBLU2 ONLY	2	Y	1
BASIC 6 FAN UNIT 1 FAN PER FUSE	1	X	1
3 FANS DOWN 1 FAN PER FUSE	1	W	1
3 FANS UP 1 FAN PER FUSE	1	V	1

303. RECORD OF FIGURES, WIRING AND APPARATUS CHANGES						
CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT		
				STD	AM	MD
3	Z,X,M,V	Z,X,M,V		Z,X,M,V		
2	ZY	ZY	305	ZY		

INFORMATION NOTES (CONT):

304. FAN ASSEMBLY



305. FAN OPTIONS

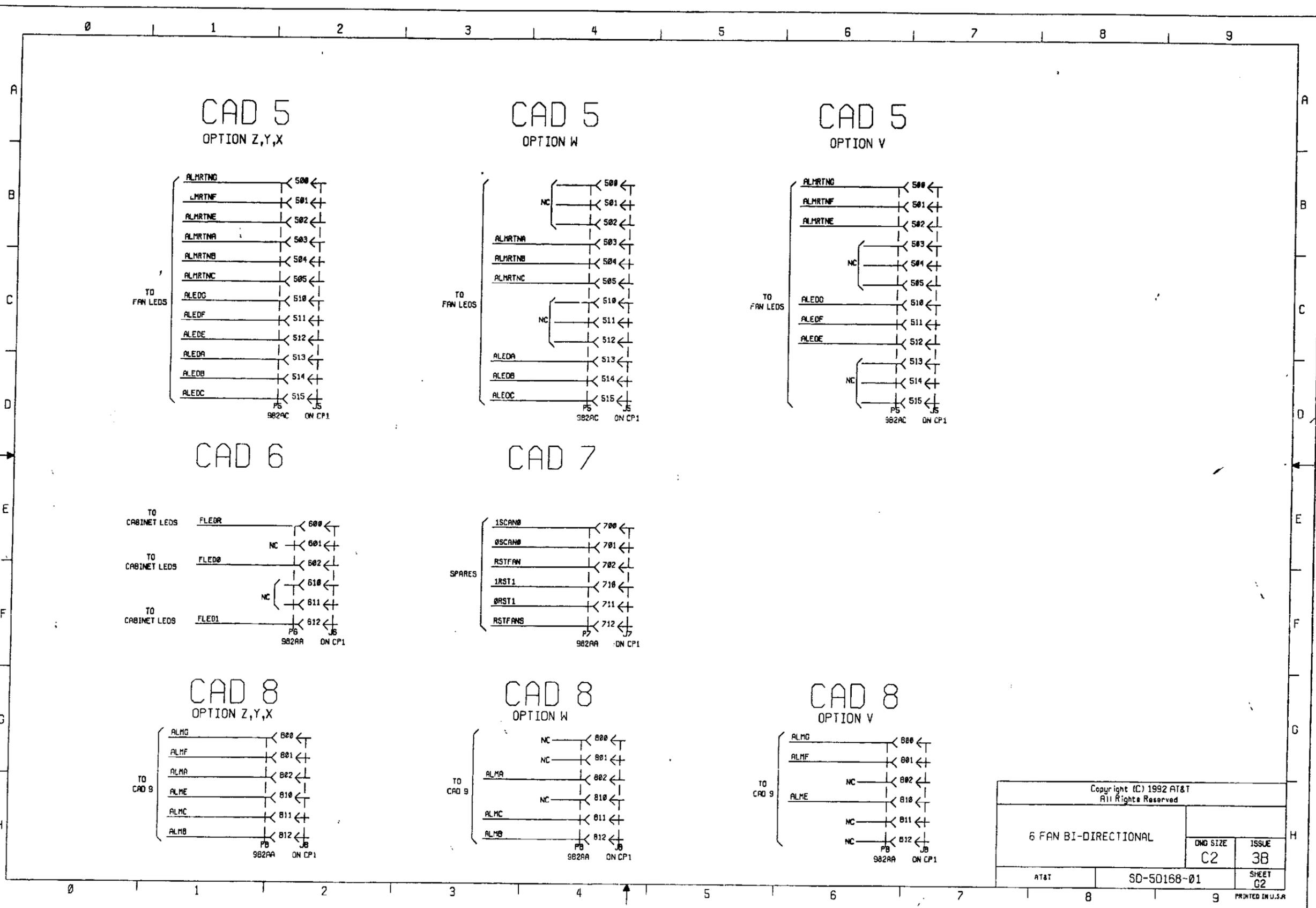
THE OPTIONS ARE LISTED BELOW WITH A BRIEF DESCRIPTION OF EACH FAN UNIT AS IT IS WIRED AND EQUIPPED.

- Z OPTION IS A BASIC 6 FAN UNIT WITH THE POWER FOR 2 FANS, ONE UP AND ONE DOWN, BEING SUPPLIED BY ONE FUSE.
- Y PREVIOUSLY ASSIGNED PDI 2 - NON-LATCHING ALARM FANS.
- X OPTION IS A BASIC 6 FAN UNIT WITH THE POWER FOR EACH OF THE 6 FANS BEING SUPPLIED BY A SEPARATE FUSE.
- W OPTION IS A 3 FAN UNIT WITH AIR BLOWING DOWN ONLY. 3 FAN GUARDS PLACED OVER THE EMPTY FAN POSITIONS.
- V OPTION IS A 3 FAN UNIT WITH AIR BLOWING UP ONLY. 3 FAN GUARDS PLACED OVER THE EMPTY FAN POSITIONS.

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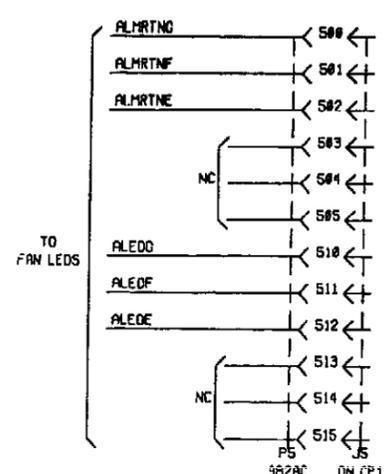
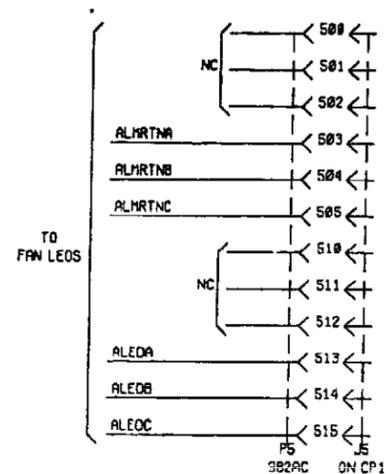
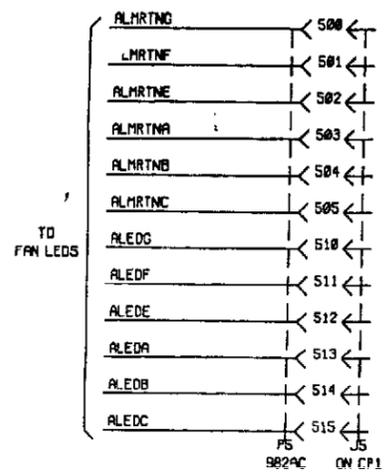
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CAD 5
OPTION Z,Y,X

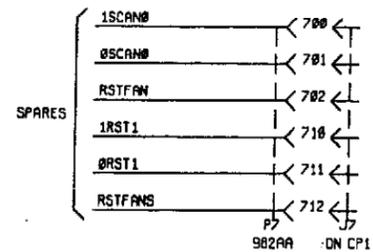
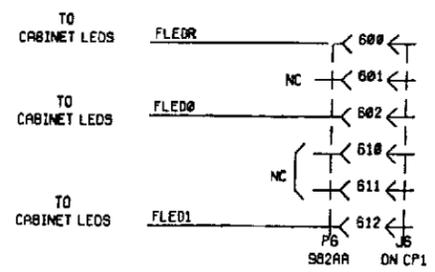
CAD 5
OPTION W

CAD 5
OPTION V



CAD 6

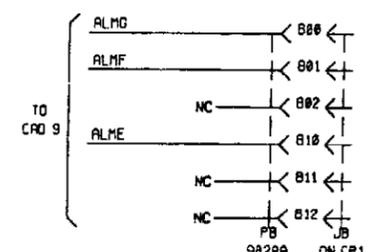
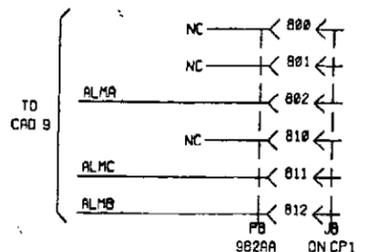
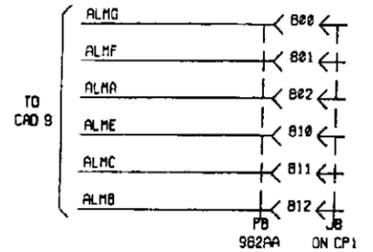
CAD 7



CAD 8
OPTION Z,Y,X

CAD 8
OPTION W

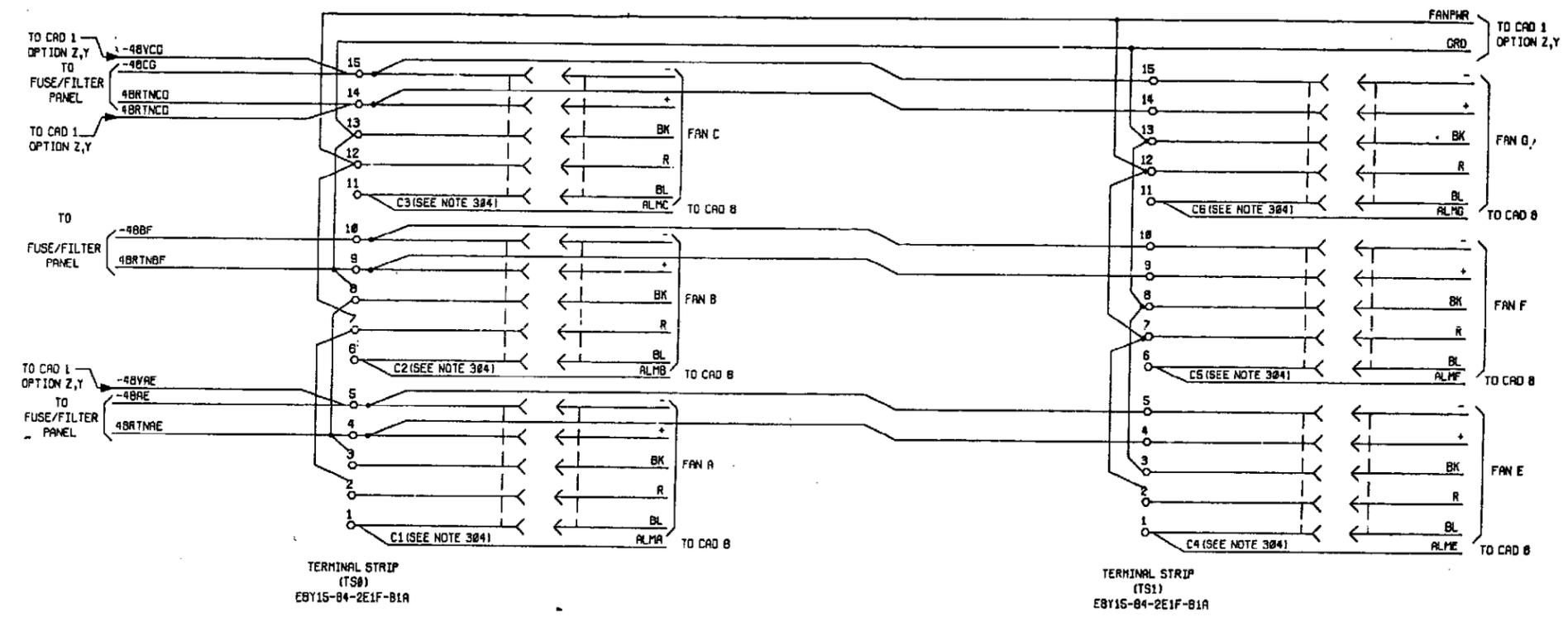
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OPTION V



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P/O CAD 9 OPTION Z,Y

FAN POWER CONNECTION

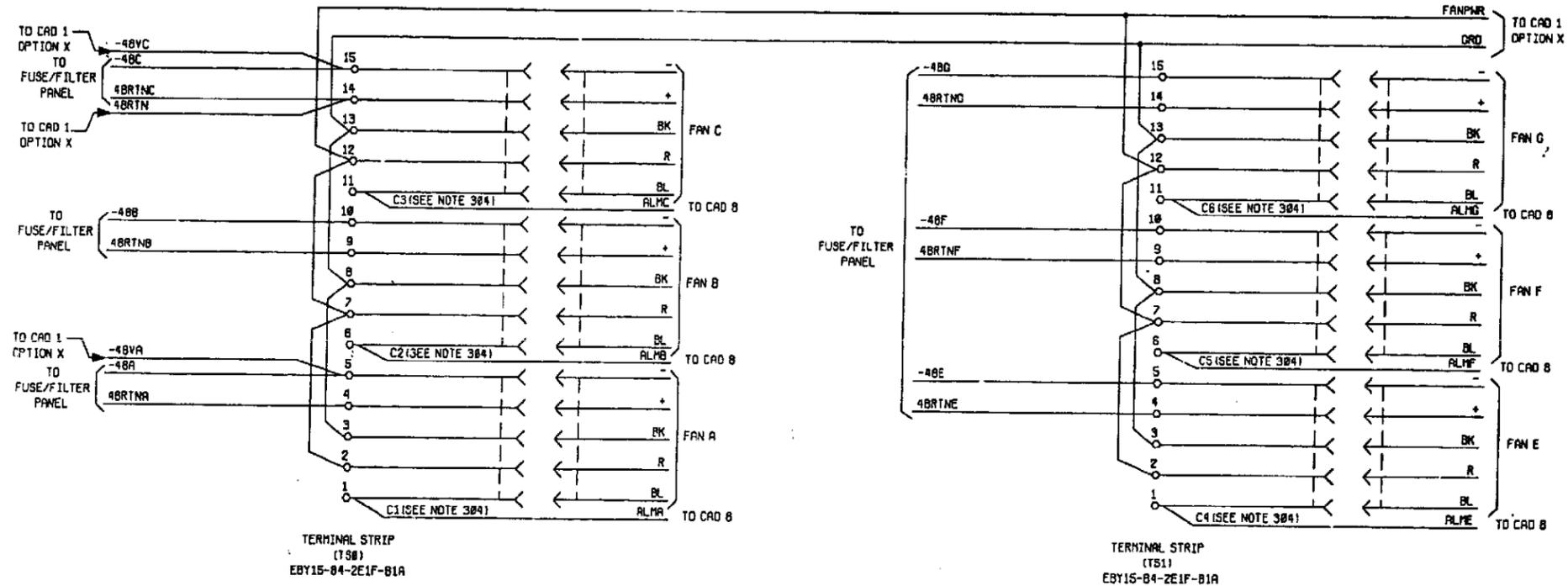


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P/O CAD 9 (OPTION X)

FAN POWER CONNECTION

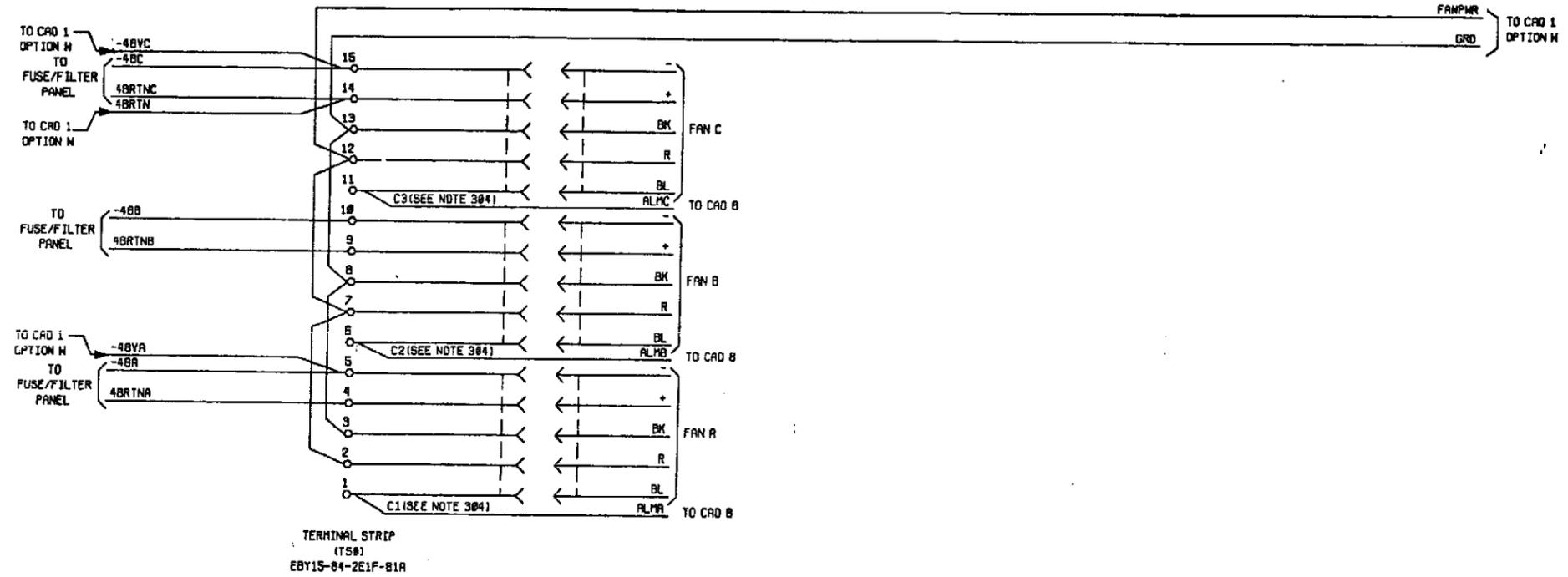


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P/O CAD 9 (OPTION W)

FAN POWER CONNECTION



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DWG SIZE
C2

ISSUE
3B

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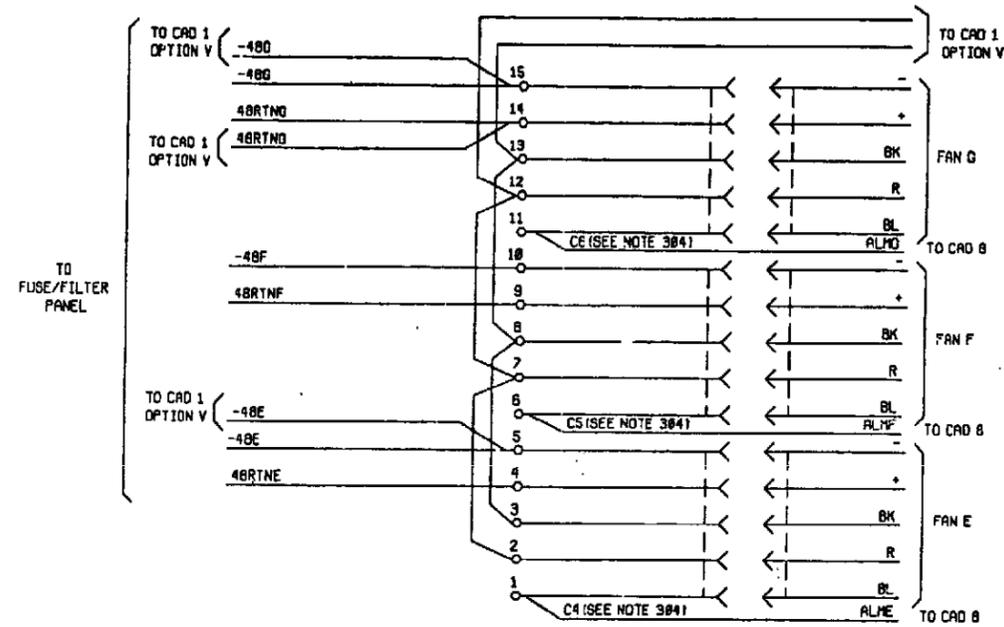
SHEET
03B

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P/O CAD 9 (OPTION V)

FAN POWER CONNECTION



TERMINAL STRIP
(TS1)
EDY1S-84-2E1F-81A

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6 FAN BI-DIRECTIONAL

ORD SIZE	ISSUE
C2	38
SHEET	
G3C	

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