SHEET INDEX

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OPTION INDEX

APP OR WRG	RATED ON ISSUE	REF NOTES	LOCATION
Z	STD 1	304	IH3, IH5, IH6
Y	STD 1	304	IH6
X	STD 1	304	IH5, IH6

DWG ISS	CD ISS	DATE ISSD	DRN	APP
1	1 APPX	7-14-93		

SUPPORTING INFORMATION

CATEGORY	NO.
EQUIPMENT DRAWING POWER DISTRIBUTION FRAME DC POWER DISTRIBUTION INTERFRAME COMMUNICATIONS CIRCUIT FUSE ALARM CIRCUIT PACK	J5D003FM JB6334D SD-5D005-01 SD-5D009-01 ED-5D521-30,G1

SHEET INDEX NOTES

1. ONLY THE LATEST ISSUE, OR ISSUES IF CONCURRENT, ARE SHOWN IN THE INDEX.
2. FOR REISSUES, A CHANGED OR NEW SHEET IS ASSIGNED THE SAME ISSUE NUMBER AS SHEET 1.
3. THE ISSUE NUMBER OF SHEET 1 IS RECOGNIZED AS THE ISSUE NUMBER OF THE WHOLE DRAWING.

BT13

5ESS® SWITCHING EQUIPMENT
FUSE/FILTER UNIT
MODEL 5
CIRCUIT

DWG SIZE	ISSUE
C2	1

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DESIGNATION MNEMONICS INDEX

LEAD DESIG	LOC	DEFINITION
-48(TN)	1A0, 1A3, 1A6, 2A0, 2A4	-48 VOLT FEEDER, CIRCUIT 0-4
-48(TN)	1A0, 1A3, 1A6, 2A0, 2A4	CABLE ASSEMBLY,CIRCUIT 0-4
ALM1018	3D5	ALARM, EQL 01-018
ALM1042	3D5	ALARM, EQL 01-042
ALM1066	3D4	ALARM, EQL 01-066
ALM3066	3D4	ALARM, EQL 03-066
C(1-5)	1B0,1B3, 1B6,2B0, 2B5	FILTER CAPACITOR, CIRCUIT 1-5
CP0	3B3	FUSE ALARM CIRCUIT PACK, CIRCUIT 0
FA0	3F5	FUSE ALARM OUTPUT
FA1018	1C1	FUSE ALARM, FUSE BLOCK 01-018
FA1042	1C8	FUSE ALARM, FUSE BLOCK 01-042
FA1066	2C4	FUSE ALARM, FUSE BLOCK 01-066
FA3066	2C8	FUSE ALARM, FUSE BLOCK 03-066
FB001018	1D1,1D4	FUSE BLOCK, EQL 01-018
FB001042	1D5,1D7	FUSE BLOCK, EQL 01-042
FB001066	2D2	FUSE BLOCK, EQL 01-066
FB003042	1D5, 2D6	FUSE BLOCK, EQL 03-042
FB003066	2D1, 2D7	FUSE BLOCK, EQL 03-066
R	4C2, 4C4	TEL B RING
R(SP)	4D2, 4D4	SPARE RING
R-TTYA	4E2, 4E4	TELETYPE A RING
R-TTYB	4F2, 4F4	TELETYPE B RING
RTN	3F5	-48 VOLT RETURN
RTN0	1G1, 1G3	-48 VOLT RETURN 0
RTN1	1G5, 2G6	-48 VOLT RETURN 1
RTN(TN)	1A1, 1A4, 1A7, 2A1, 2A6	-48 VOLT RETURN, FIRST THROUGH FIFTH FEEDERS
R1	4C2, 4C4	TELETYPE B RING 1
R1-TTYA	4E2, 4E4	TELETYPE A RING 1
R1-TTYB	4G2, 4G4	TELETYPE B RING 1
R(1-5)	1C0, 1C3, 1C6, 2C0, 2C5	FILTER RESISTOR, CIRCUIT 0-4

LEAD DESIG	LOC	DEFINITION
T	4B2, 4B4	TELETYPE A TIP
T(SP)	4C2, 4C4	SPARE TIP
T-TTYA	4D2, 4D4	TELETYPE A TIP
T-TTYB	4F2, 4F4	TELETYPE B TIP
TST1018	3F5	ALARM TEST SIGNAL INPUT, EQL 01-018
TST1042	3F4	ALARM TEST SIGNAL INPUT, EQL 01-042
TST1066	3F4	ALARM TEST SIGNAL INPUT, EQL 01-066
TST3066	3F3	ALARM TEST SIGNAL INPUT, EQL 03-066
TS0	1F2, 1F3, 1F9	TERMINAL STRIP, LOAD FUSE TERMINATIONS AND RETURNS, CIRCUITS 1 AND 2.
TS1	1F6,2F4, 2F6	TERMINAL STRIP, LOAD FUSE TERMINATIONS AND RETURNS, CIRCUITS 3 AND 5
TS2	3E3,4A5	TERMINAL STRIP, ALARM, TEL AND TTY TERMINATIONS
T1	4B2, 4B4	TELETYPE A TIP 1
T1-TTYA	4D2, 4D4	TELETYPE A TIP 1
T1-TTYB	4F2, 4F4	TELETYPE B TIP 1
1018(1-4)(B,T)	1G1,1G4	LOAD FUSE, EQL 01-018, 1 THROUGH 4, TOP AND BOTTOM
1018(1-4)(B,T)R	1G1,1G4	GROUND STRAP (RTN), EQL 01-018, 1 THROUGH 4, TOP AND BOTTOM TIED
1042(1-4)(B,T)	1G5,1G7	LOAD FUSE, EQL 01-042, 1 THROUGH 4, TOP AND BOTTOM
1042(1-4)(B,T)R	1G5, 1G7	GROUND STRAP (RTN), EQL 01-042, 1 THROUGH 4, TOP AND BOTTOM TIED
1066(1-4)(B,T)	2G2	LOAD FUSE, EQL 01-066, 1 THROUGH 4, TOP AND BOTTOM
1066(1-4)(B,T)R	2G2	GROUND STRAP (RTN), EQL 01-066, 1 THROUGH 4, TOP AND BOTTOM TIED
3042(1)(B,T)	2G6	LOAD FUSE, EQL 03-042,1 (SEE NOTE 101)
3042(4)(B,T)	1G5	LOAD FUSE, EQL 03-042,4 (SEE NOTE 101)
3042(1)(B)R	2G6	GROUND STRAP (RTN) EQL 03-042,1

LEAD DESIG	LOC	DEFINITION
3042(4)(B)R	1G5	GROUND STRAP (RTN) EQL 03-042,4
3066(1-4)(B,T)	2G1,2G6	LOAD FUSE, EQL 03-066, 1 THROUGH 4, TOP AND BOTTOM
3066(1-4)(B,T)R	2G1,2G7	GROUND STRAP (RTN), EQL 03-066, 1 THROUGH 4 TOP AND BOTTOM TIED

FUSE/FILTER UNIT
MODEL 5
CIRCUIT

DWG SIZE C2 | ISSUE 1

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APPARATUS INDEX

DESIG	LOCATION FS	APP FIG	EQPT
CABLE ASSEMBLY			
CKT0	1B0	1	02-014
CKT1	1B3	1	02-030
CKT2	1B6	1	02-046
CKT3	2B0	1	02-062
CKT4	2B5	1	02-078

DESIG	LOCATION FS	APP FIG	EQPT
TERMINAL STRIP			
TS0	1F3, 1F4, 1F9	1	02-020
TS1	1F6, 2F4, 2F8	1	02-072
TS2	3E3, 4A5	1,2	01-040

CAPACITOR			
C1	1B0	1	02-014
C2	1B3	1	02-030
C3	1B6	1	02-046
C4	2B0	1	02-062
C5	2B5	1	02-078

CIRCUIT PACK ASSEMBLY			
CP0	3B3	1	03-009

FUSE BLOCK			
FB001018	1D1, 1D4	1	01-018
FB001042	1D5, 1D7	1	01-042
FB001066	2D2	1	01-066
FB003042	1D5, 2D6	1	03-042
FB003066	2D1, 2D7	1	03-066

JACK MODULE			
JP0	4A2	1	02-082

LEAD INDEX

DESIG	LOCATION FS	CAD
CONNECTING CIRCUIT		
1018(1-4)(B,BR)	1G2,1G4	1B4
1018(1-4)(T,TR)	1G1,1G4	1B4
1042(1-4)(B,BR)	1G5,1G6	1G0
1042(1-4)(T,TR)	1G5,1G7	1F0
1066(1-4)(B,BR)	2G3	1G4
1066(1-4)(T,TR)	2G2	1F4
3042(1,4)(B,BR)	1G5,2G6	1C7, 1F7
3042(1,4)(T)	1G5,2G6	
3066(1-4)(B,BR)	2G1, 2G7	1F4
3066(1-4)(B,BR)	2G0,2G6	1G7
RTN0	1G1, 1G3	1B4, 1B7
RTN1	1G5, 2G6	1C8, 1F7

DC POWER DISTRIBUTION CIRCUIT		
-48(TN)	1A0, 1A3, 1A6, 2A0, 2A5	1B1,1C1, 1D1
RTN(TN)	1A0, 1A4, 1A7, 2A1, 2A6	1B1,1C1, 1D1

INTERFRAME COMMUNICATIONS CIRCUIT		
R	4C7,4C4	2F1,2G1
R(SP)	4D7,4D4	2F4,2G4
R-TTYA	4E7,4E4	2F1,2G1
R-TTYB	4G7,4G4	2F1,2G1
R1	4C7,4C4	2F4,2G4
R1-TTYA	4E7,4E4	2F4,2G4
R1-TTYB	4G7,4G4	2F4,2G4
T	4B7,4B4	2F1,2G1
T(SP)	4C7,4C4	2F1,2G1
T-TTYA	4D7,4D4	2F1,2G1
T-TTYB	4F7,4F4	2F1,2G1
T1	4B7,4B4	2F4,2G4
T1-TTYA	4F7,4F4	2F4,2G4
T1-TTYB	4F7,4F4	2F4,2G4

DESIG	LOCATION FS	CAD
LED CABINET (TOP OF CABINET)		
FA0	3F6	2B1, 2C1
RTN	3F5	2A1, 2C1

PRECEDING FUSE/FILTER PANEL CIRCUIT		
ALM1018	3F5	2B1
ALM1042	3F5	2B1
ALM1066	3F4	2B1
ALM3066	3F4	2B1
R	4C4	2F1
R(SP)	4D4	2F3
R-TTYA	4E4	2F1
R-TTYB	4G4	2F1
R1	4C4	2F4
R1-TTYA	4E4	2F4
R1-TTYB	4G4	2F4
T	4B4	2F1
T(SP)	4C4	2F1
T-TTYA	4D4	2F1
T-TTYB	4F4	2F1
T1	4B4	2F4
T1-TTYA	4E4	2F4
T1-TTYB	4F4	2F4
TST1018	3F5	2B4
TST1042	3F4	2B4
TST1066	3F4	2B4
TST3066	3F3	2B4

TO SUCCEEDING FUSE/FILTER PANEL		
ALM1018	3D5	2D0
ALM1042	3D5	2D0
ALM1066	3D4	2D0
ALM3066	3D4	2D0
R	4C7	2G0
R(SP)	4D7	2G3
R-TTYA	4E7	2G0
R-TTYB	4G7	2G0
R1	4C7	2G3
R1-TTYA	4E7	2G3
R1-TTYB	4G7	2G3
T	4B7	2G0
T(SP)	4C7	2G0
T-TTYA	4D7	2G0
T-TTYB	4F7	2G0
T1	4B7	2G3
T1-TTYA	4E7	2G4
T1-TTYB	4F7	2G4

TO SUCCEEDING FUSE/FILTER PANEL CIRCUIT		
TST1018	3F5	2D4
TST1042	3F4	2D4
TST1066	3F4	2D4
TST3066	3E3	2D4

FUSE/FILTER UNIT
MODEL 5
CIRCUIT

DWG SIZE C2 | ISSUE 1 | SHEET A3

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PART OF FS 1

FUSE/FILTER PANEL CIRCUIT

TO DC POWER DISTRIBUTION CIRCUIT

-48 RTN

FEED 0

SYMBOL NO. 1
-48FN0
CKT0

-48FN1 RTNFN1

SYMBOL NO. 6
C1
02-014
4.700

SYMBOL NO. 11
R1
02-014
10K

3C5

FEED 1

SYMBOL NO. 2
-48FN0
CKT1

SYMBOL NO. 7
C2
02-030
4.700

SYMBOL NO. 12
R2
02-030
10K

FEED 2

SYMBOL NO. 3
-48FN0
CKT2

SYMBOL NO. 8
C3
02-046
4.700

SYMBOL NO. 13
R3
02-046
10K

FA1018 3C5

FA1042 3C4

P/O FB001018
01-018

P/O FB001018
01-018

P/O FB001042
01-042

P/O FB003042
03-042

P/O FB001042
01-042

4T 3T 2T 4B 3B 2B

1T 1B 4T 4B NC 4T 4B

3T 2T 1T 3B 2B 1B

P/O TS0
02-020

P/O TS0
02-020

P/O TS1
02-072

P/O TS0
02-020

04 02 03 12 13 22 23 00 01 10 11 20 21

54 32 33 30 31 42 40 41 04 04 05 50 12

52 53 24 25 44 45 50 51 14 15 34 35

RTN0 10184TR 10184T 10183TR 10183T 10182TR 10182T 10184BR 10184B 10183BR 10183B 10182BR 10182B

RTN0 10181TR 10181T 10181BR 10181B 10424TR 10424BR 10424B

RTN1 30424BR 30424B

10423TR 10423T 10422TR 10422T 10421TR 10421T 10423BR 10423B 10422BR 10422B 10421BR 10421B

TO CONNECTING CIRCUIT

NC NC NC NC

X Y X Y

FUSE/FILTER UNIT
MODEL 5
CIRCUIT

DWG SIZE	ISSUE
C2	1

AT&T	SD-5D194-01	SHEET
		B1

PART OF FS 1

FUSE/FILTER PANEL CIRCUIT

FEED 3

TO DC POWER DISTRIBUTION CIRCUIT

-48 RTN

SYMBOL NO. 4
-48FN0
CKT3

-48FN1 RTNFN1

SYMBOL NO. 9
C4
02-062
4.700

SYMBOL NO. 14
R4
02-062
10K

FA1066 3C4

P/O FB003066
03-066

P/O FB001066
01-066

NC NC

3T 3B 4T 4B 4T 3T 2T 1T 4B 3B 2B 1B

P/O TS1
02-072

42 43 40 41 02 03 22 23 32 33 00 01 10 11 20 21 30 31

30664TR 30664T 30664BR 30664B 10664TR 10664T 10662TR 10662T 10661TR 10661T 10664BR 10664B 10663BR 10663B 10662BR 10662B 10661BR 10661B

TO CONNECTING CIRCUIT

FEED 4

TO DC POWER DISTRIBUTION CIRCUIT

-48 RTN

SYMBOL NO. 5
-48FN0
CKT4

-48FN1 RTNFN1

SYMBOL NO. 10
C5
02-078
4.700

SYMBOL NO. 15
R5
02-078
10K

FA3066 3C3

P/O FB003042
03-042

P/O FB003066
03-066

1T 1B 2T 1T 2B 1B

P/O TS1
02-072

54 55 24 25 44 45 14 15 34 35

RTN1 30421BR 30421B 30662TR 30662T 30661TR 30661T 30662BR 30662B 30661BR 30661B

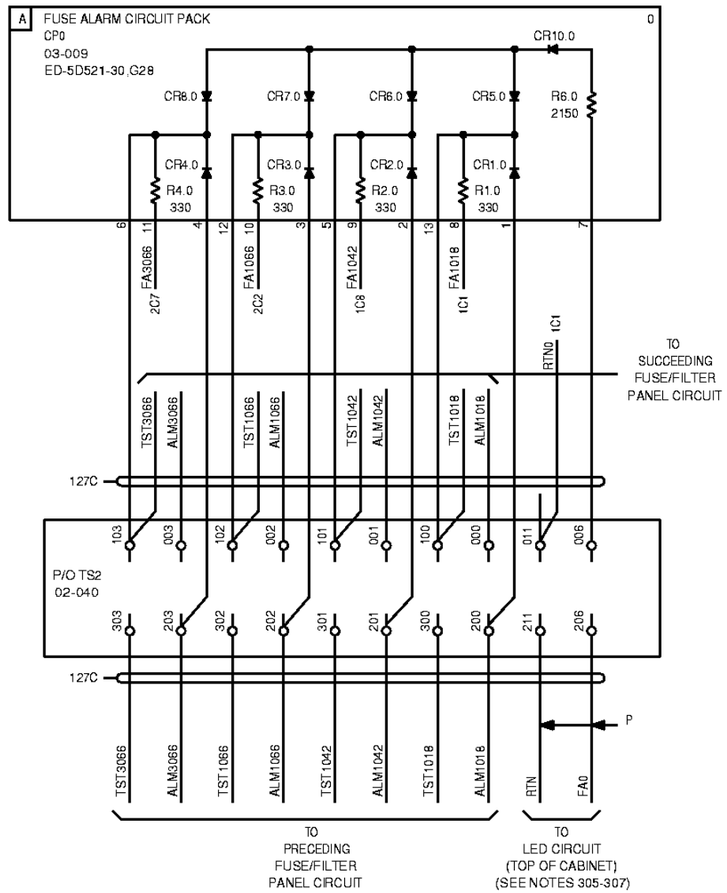
FUSE/FILTER UNIT
MODEL 5
CIRCUIT

DWG SIZE	ISSUE
C2	1

AT&T	SD-5D194-01	SHEET
		B2

PART OF FS 1

FUSE/FILTER PANEL CIRCUIT
(SEE NOTES 206 & 207)



FUSE/FILTER UNIT
MODEL 5
CIRCUIT

DWG SIZE	ISSUE
C2	1

AT&T	SD-5D194-01	SHEET
		B3

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FS 2

TEL AND TTY CIRCUIT
(SEE NOTE 206)

JP0
02-082
ED-6C110-10,G104
02-082

P/O TS2
02-040

TEL A
T
T1

TEL B
R1
R

SP
T(SP)
R(SP)
S(SP)
NC

TTYA
T-TTYA
T1-TTYA
S-TTYA
NC

TTYA1
R-TTYA
R1-TTYA
S1-TTYA
NC

TTYB
T-TTYB
T1-TTYB
S-TTYB
NC

TTYB1
R-TTYB
R1-TTYB
S1-TTYB
NC

213	013	T	
313	113	T1	
314	114	R1	
214	014	R	
215	015	T(SP)	
315	115	R(SP)	
216	016	T-TTYA	
316	116	T1-TTYA	
217	017	R-TTYA	
317	117	R1-TTYA	
218	018	T-TTYB	
318	118	T1-TTYB	
219	019	R-TTYB	
319	119	R1-TTYB	

TO PRECEDING FUSE/FILTER PANEL CIRCUIT OR TO INTERFRAME COMMUNICATIONS CIRCUIT

127C APP MTG

127C APP MTG

TO SUCCEEDING FUSE/FILTER PANEL CIRCUIT OR TO INTERFRAME COMMUNICATIONS CIRCUIT

FUSE/FILTER UNIT
MODEL 5
CIRCUIT

DWG SIZE	ISSUE
C2	1

AT&T | SD-5D194-01 | SHEET B4

APP FIG. 1

CABLE ASSEMBLY

DESIG	LOC	CODE
CKT0	1B0	ED-5D507-16,G1
CKT1	1B3	ED-5D507-16,G1
CKT2	1B6	ED-5D507-16,G1
CKT3	2B0	ED-5D507-16,G1
CKT4	2B5	ED-5D507-16,G1

CAPACITOR

DESIG	LOC	CODE
C1	1B0	KS-20133
C2	1B3	KS-20133
C3	1B6	KS-20133
C4	2B0	KS-20133
C5	2B5	KS-20133

CIRCUIT PACK ASSEMBLY

DESIG	LOC	CODE
CP0	3B3	ED-5D521-30,G2B E/W

DIODE

DESIG	LOC	CODE
[8] CR1-CR8	3B4	456C
CR10	3B6	456C

RESISTOR

DESIG	LOC	CODE
[4] R1.0-R4.0	3B4	KS-14603,L3A,330
R6.0	3B6	KS-20289,L6C,2150

FUSE BLOCK

DESIG	LOC	CODE
FB001018	1D1,1D4	23A
FB001042	1D5,1D7	23A
FB001066	2D2	23A
FB003042	1D5,2D6	30D
FB003066	2D1,2D6	23A

RESISTOR

DESIG	LOC	CODE
R1	1B0	KS-19151,L2,10K
R2	1B3	KS-19151,L2,10K
R3	1B6	KS-19151,L2,10K
R4	2B0	KS-19151,L2,10K
R5	2B5	KS-19151,L2,10K

TERMINAL STRIP

DESIG	LOC	CODE
TS0	IF3,IF9	364A
TS1	1F6,2F4, 2F8	364A
TS2	3E3	

APP FIG. 2

JACK MODULE

DESIG	LOC	CODE
JP0	4B2	ED-6C110-10,G104 E/W

JACK

DESIG	LOC	CODE
TELA	4B2	KS-21463,L1; JACK(2W)
TELB	4C2	KS-21463,L1; JACK(2W)
SP	4D2	KS-21001,L1; JACK(2W)
TTYA	4E2	KS-21001,L1; JACK(2W)
TTYA1	4F2	KS-21001,L1; JACK(2W)
TTYB	4G2	KS-21001,L1; JACK(2W)
TTYB1	4H2	KS-21001,L1; JACK(2W)

FUSE/FILTER UNIT
MODEL 5
CIRCUIT

DWG SIZE C2 | ISSUE 1

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CIRCUIT NOTES:

101.

DESIG	FUSE AMP	POTENTIAL	UP TO
FB01018 FB01042 FB01066 FB03066	ANY 70 TYPE FUSE IN FUSE POSITIONS AS REQUIRED.	-48	EIGHT PER APPARATUS FIGURE (FOR FUSE BLOCK) (MAXIMUM OF EIGHT FOR EACH BUS)
FB03042	ANY 70 TYPE FUSE IN UPPER FUSE POSITION ONLY OR A 74 TYPE FUSE IN LOWER FUSE POSITION WITH A 70G, 1/2 AMP (INDICATOR) FUSE IN UPPER POSITION.	-48	TWO PER APPARATUS FIGURE (FOR FUSE BLOCK) (MAXIMUM OF TWO FOR EACH BUS)

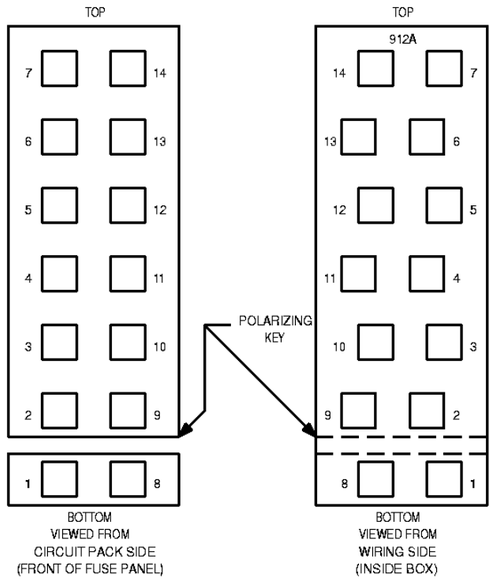
BATTERY SYMBOL	VOLTAGE RANGE
-48	-42.75 TO -52.5

EQUIPMENT NOTES:

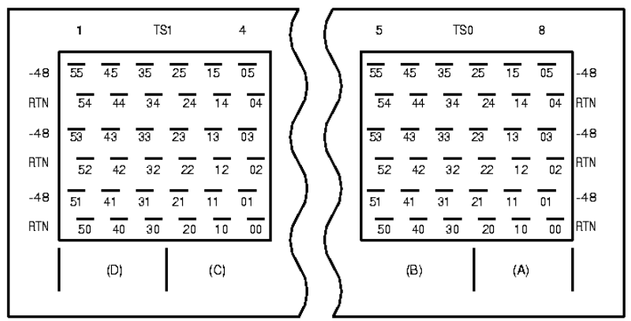
201. A TYPICAL INSTALLATION WOULD PROVIDE TWO J5D003FM PANELS IN EACH BAY. THIS PROVIDES A TOTAL OF 10 FEEDERS PER BAY. THE FIRST FOUR BLOCKS PROVIDE 70 TYPE FUSES ON EACH SIDE. THE FIFTH BLOCK ON EACH SIDE PROVIDES FOR TWO 70 TYPE FUSES IN UPPER FUSE POSITION ONLY OR TWO 74 TYPE FUSES IN LOWER FUSE POSITION WITH TWO 70G, 1/2 AMP(INDICATOR) FUSES IN UPPER POSITION. THEREFORE, THE MAXIMUM EQUIPAGE IS 62 FUSES PER CABINET.

202. FUSE ASSIGNMENTS MAY BE MADE USING NOTE 305 AS A WORKSHEET.

203. TERMINAL ASSIGNMENTS FOR 912A CONNECTOR FOR ALARM CIRCUIT PACK CP1.



204. TERMINAL ASSIGNMENTS FOR TS 0 AND TS 1.

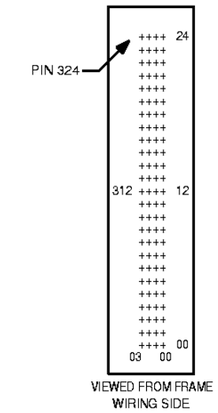


VIEWED FROM FRAME WIRING SIDE

EQUIPMENT NOTES (CONT):

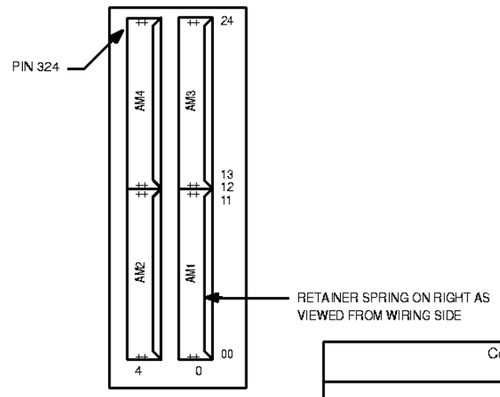
STAMPING	A	B	C	D	E
SA	01-018	01-042	01-066	03-066	03-042
SB	01-112	01-136	01-160	03-160	03-136
SC	01-018	01-042	01-066	03-066	03-042
SD	01-112	01-136	01-160	03-160	03-136
SE	01-112	01-136	01-160	03-160	03-136
SF	01-112	01-136	01-160	03-160	03-136
SG	01-112	01-136	01-160	03-160	03-136

205. TERMINAL ASSIGNMENTS FOR TS 2.



NOTE:

PINS 012 THROUGH 312 ARE USED TO HOLD 127C APPARATUS MOUNTINGS AND ARE NOT AVAILABLE FOR WIRING LEAVING THE UNIT. ADD 127C MOUNTINGS AT EQL 000-011, 013-024, 200-211, AND 213-224 ON THE WIRING SIDE OF TS2 TO SECURE ALL REQUIRED SIZES OF PADDLEBOARDS.



FUSE/FILTER UNIT
MODEL 5
CIRCUIT

DWG SIZE C2 | ISSUE 1

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EQUIPMENT NOTES (CONT):

206. THERE ARE 7 VERSIONS OF THIS FUSE/FILTER PANEL. THEY ARE PHYSICALLY AND ELECTRICALLY THE SAME. THE DIFFERENCE IS ONLY IN THE STAMPING.

				STAMPING LIST							
				COMMON CABINET CONFIGURATION		COMMON CABINET CONFIGURATION		COMMON CABINET CONFIGURATION		COMMON CABINET CONFIGURATION	
				LEFT SIDE SA	RIGHT SIDE SB	LEFT SIDE SA	RIGHT SIDE SC	LEFT SIDE SA	RIGHT SIDE SE	LEFT SIDE SB	RIGHT SIDE SE
	BUS	CKT	FEEDER IDENT.	'0' BUS	'1' BUS	'0' BUS	'0' BUS	'0' BUS	'0' & '1' BUS	'1' BUS	'1' & '0' BUS
-48 FEEDER CONNECTOR LOCATION ON REAR PANEL	A	0	-48V00	00-052		00-052		00-052			
		1	-48V01	01-052		01-052		01-052			
		2	-48V02	02-052		02-052		02-052			
		3	-48V03	03-052		03-052		03-052			
		4	-48V04	04-052		04-052		04-052			04-146
		0	-48V05				00-146		00-146		
		1	-48V06				01-146		01-146		
		2	-48V07				02-146		02-146		
		3	-48V08				03-146		03-146		
		4	-48V09				04-146				
	B	0	-48V10		00-146					00-052	
		1	-48V11		01-146					01-052	
		2	-48V12		02-146					02-052	
		3	-48V13		03-146					03-052	
		4	-48V14		04-146					04-052	
		0	-48V15								00-146
		1	-48V16								01-146
		2	-48V17								02-146
		3	-48V18								03-146
		4	-48V19						04-146		
ALARM CIRCUIT PACK			CP0	03-009	03-103	03-009	03-103	03-009	03-103	03-009	03-103
TERMINAL STRIP			TS0	02-020	02-114	02-020	02-114	02-020	02-114	02-020	02-114
			TS1	02-072	02-166	02-072	02-166	02-072	02-166	02-072	02-166
			TS2	01-040	01-134	01-040	01-134	01-040	01-134	01-040	01-134
JACK PANEL											
FUSE BLOCK			FB01018	01-018	01-112	01-018	01-112	01-018	01-112	01-018	01-112
			FB01042	01-042	01-136	01-042	01-136	01-042	01-136	01-042	01-136
			FB01066	01-066	01-160	01-066	01-160	01-066	01-160	01-066	01-160
			FB03042	03-042	03-136	03-042	03-136	03-042	03-136	03-042	03-136
			FB03066	03-066	03-160	03-066	03-160	03-066	03-160	03-066	03-160

TYPICAL STAMPING ARRANGEMENT (VIEWED FROM FRONT)

LEFT SIDE	RIGHT SIDE	
'0' BUS STAMPING LIST SA	'1' BUS STAMPING LIST SB	ONE J5D003FM-1 UNIT ON EACH BUS EACH E/W OPTION Y
'0' BUS STAMPING LIST SA	'0' BUS STAMPING LIST SC	BOTH J5D003FM-1 UNITS ON '0' BUS EACH E/W OPTIOON Y
'0' BUS STAMPING LIST SA	'0' BUS / '1' BUS STAMPING LIST SD	J5D003FM-1 UNIT IN LEFT BAY ON '0' BUS AND E/W OPTION Y J5D003FM-1 UNIT IN RIGHT BAY ON '1' & '0' BUSES AND E/W OPTION X
'1' BUS STAMPING LIST SB	'1' BUS / '0' BUS STAMPING LIST SE	J5D003FM-1 UNIT IN LEFT BAY ON '1' BUS AND E/W OPTION Y J5D003FM-1 UNIT IN RIGHT BAY ON '1' & '0' BUSES AND E/W OPTION X

EQUIPMENT NOTES (CONT):

207.

APPARATUS CODE	CIRCUIT PACK REMOVAL PROCEDURES		
	PULL HOT	REMOVE UNIT POWER	SEQUENCED
CP0	YES	NO	NO

FUSE/FILTER UNIT
MODEL 5
CIRCUIT

DWG SIZE C2 | ISSUE 1 | SHEET D2

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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		
	APP FIG	APP OR WRG	QUANTITY
ASSEMBLY, WIRING AND EQUIPMENT FOR ONE FUSE PANEL TO PROVIDE FIVE ISOLATED -48V POWER SUPPLIES AND RETURNS, AND 30 FUSES.	1		1 PER CKT
ASSEMBLY, WIRING AND EQUIPMENT REQUIRED IN ADDITION TO LIST 1 FOR TEL AND TTY JACK UNIT.	2		1 PER CKT
WITH STRAP BETWEEN TS0-54 AND TS1-12 (SEE NOTE 304).		X	1 PER CKT
WITH STRAP BETWEEN TS0-54 AND TS1-12		Y	1 PER CKT
WITH STRAP BETWEEN TS1-04 AND TS1-50 (SEE NOTE 304).			
WITH STRAP BETWEEN TS1-04 AND TS1-50 (SEE NOTE 304).		Z	

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	A&M	MD

304. ALL X, Y AND Z OPTION STRAPS REQUIRED PER NOTE 302, TO BE NO. 10 AWG.

INFORMATION NOTES (CONT):

305. THIS TABLE DESIGNATES WHICH FUSE (VIEWED FROM FRONT) THAT IS WIRED TO ITS ASSOCIATED TERMINAL BLOCK, TERMINAL NUMBER AND RESPECTIVE TS0 OR TS1 AND TERMINAL NUMBER. THESE TERMINAL NUMBERS ON TS0 OR TS1 MUST BE USED FOR ANY CIRCUIT TO BE FUSED.

FUSE/FILTER PANEL														CABINET						
FEEDER	FUSE BLOCK		FUSE NUMBER	TERMINAL STRIP			-48V LEAD NAME	FUSE NUMBER		FUSE ALARM				FUSE DESIG	UNIT TO BE FUSED	UNIT LOCATION	FUSE AMPS	TYPE FUSE	LEAD NAME	
	LEV	EQL		NUMBER	PIN NO. -48 RTN			LEFT UNIT	RIGHT UNIT	CKT PK	CKT NO.	TS2 PIN NO.	LEAD NAME						-48V	RETURN
-48(TN) CKT 0	01	01-018	4T	TS0	03	02	10184T	1T	13T		1	000, 200	ALM1018							
			4B		01	00	10184B	1B	13B											
			3T		13	12	10183T	2T	14T											
			3B		11	10	10183B	2B	14B											
			2T		23	22	10182T	3T	15T											
			2B		21	20	10182B	3B	15B											
-48(TN) CKT 1	01	01-018	1T		33	32	10181T	4T	16T											
			1B		31	30	10181B	4B	16B											
		01-042	4T																	
			4B		41	40	10424B	5B	17B											
-48(TN) CKT 2	01	01-042	3T		53	52	10423T	6T	18T		2	001, 201	ALM1042							
			3B		51	50	10423B	6B	18B											
			2T		25	24	10422T	7T	19T											
			2B		15	14	10422B	7B	19B											
			1T		45	44	10421T	8T	20T											
			1B		35	34	10421B	8B	20B	CP0										
-48(TN) CKT 3	01	01-066	4T	TS1	03	02	10664T	9T	21T		3	002, 202	ALM1066							
			4B		01	00	10664B	9B	21B											
			3T																	
			3B		11	10	10663B	10B	22B											
			2T		23	22	10662T	11T	23T											
			2B		21	20	10662B	11B	23B											
			1T		33	32	10661T	12T	24T											
			1B		31	30	10661B	12B	24B											
	03	03-066	4T		43	42	30664T	5T	13T		4	003, 203	ALM3066							
			4B		41	40	30664B	5B	13B											
			3T																	
			3B																	
-48(TN) CKT 4	03	03-066	2T		25	24	30662T	7T	15T											
			2B		15	14	30662B	7B	15B											
			1T		45	44	30661T	8T	16T											
			1B		35	34	30661B	8B	16B											
-48(TN) CKT 1	03	03-042	4B		05	04	30424B	1B	9B		4	003, 203	ALM3066							
-48(TN) CKT 4	03	03-042	1B		55	54	30421B	4B	12B		1	000, 200	ALM1018							

TYPICAL FUSES			
CODE	AMPS	PIN COLOR	DESIGNATION PIN KS-14174
70G	1/2	RED	L7(RED)
70A	1-1/3	WHITE	L1(WHITE)
70B	2	ORANGE	L2(ORANGE)
70C	3	BLUE	L3(BLUE)
70D	5	GREEN	L4(GREEN)
74D	10	-	-

FUSE/FILTER UNIT
MODEL 5
CIRCUIT

DWG SIZE C2 | ISSUE 1

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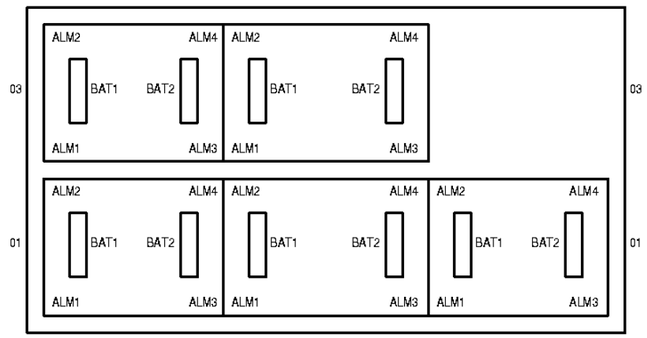
INFORMATION NOTES (CONT):

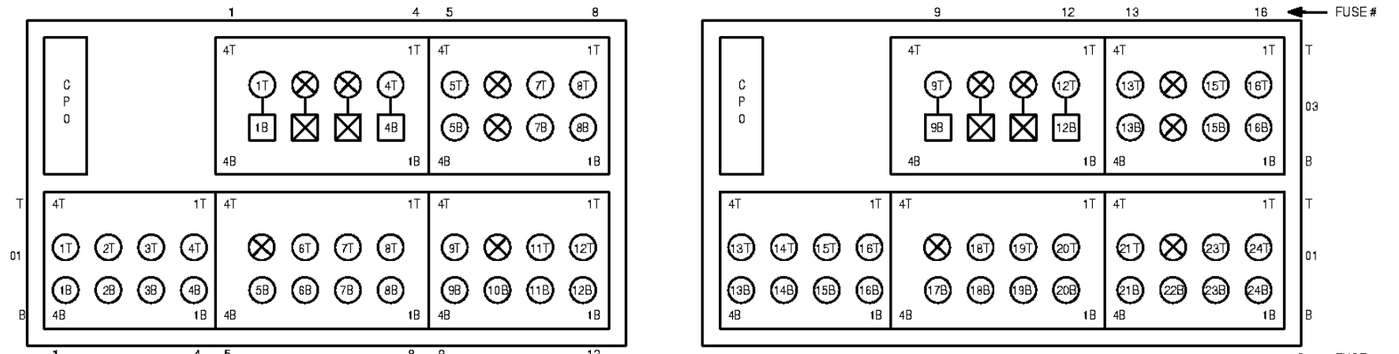
305. (CONT)

FUSE PANEL
J5D00FM
(BATTERY BUS & ALARM NUMBERING)



FUSE PANEL REAR VIEW
OF FRONT PANEL

FUSE PANEL
J5D003AU-1
(FUSE NUMBERING)

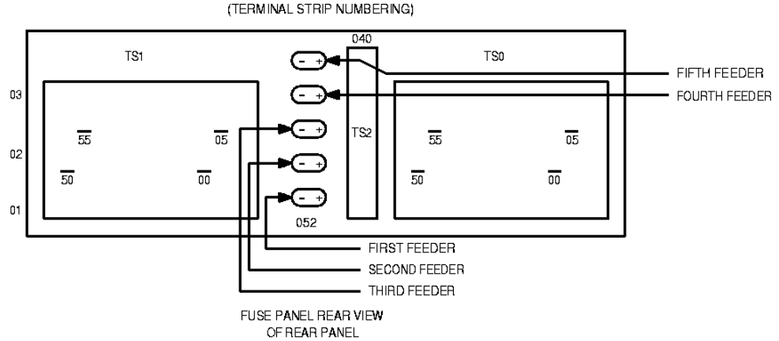


LEFT UNIT

FUSE PANEL FRONT VIEW
OF FRONT PANEL

RIGHT UNIT

FUSE PANEL
J5D003FM
(TERMINAL STRIP NUMBERING)



FUSE PANEL REAR VIEW
OF REAR PANEL

FUSE/FILTER UNIT
MODEL 5
CIRCUIT

DWG SIZE	ISSUE
C2	1

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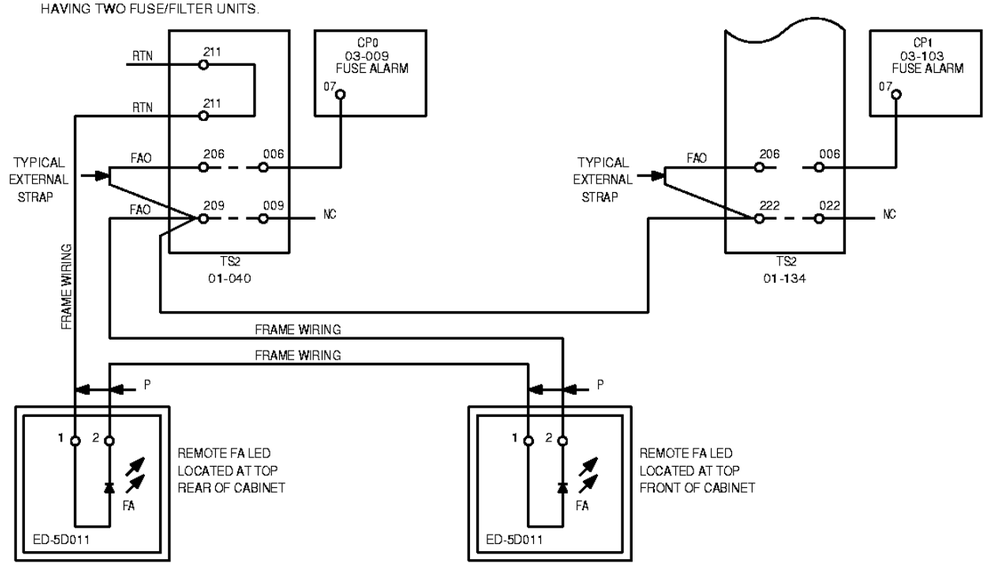
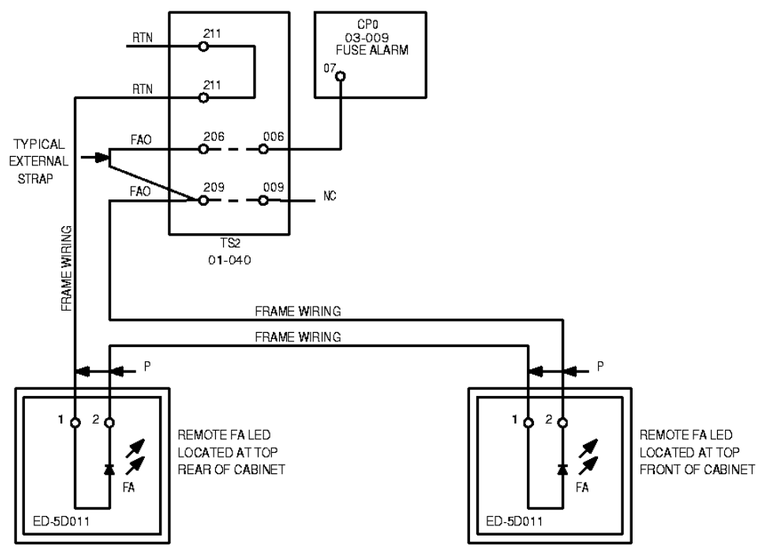
		D4

INFORMATION NOTES (CONT):

306. TYPICAL APPLICATION FOR CABINETS HAVING TWO FUSE/FILTER UNITS.

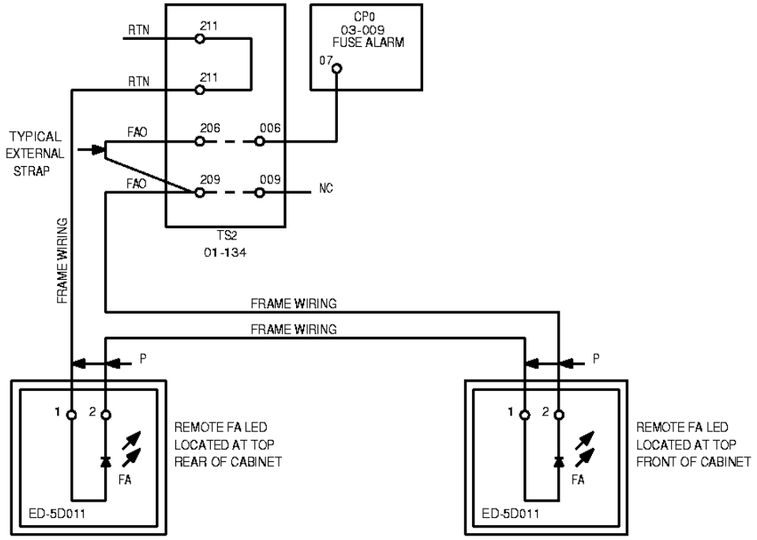


307. TYPICAL APPLICATION FOR CABINETS HAVING ONLY A LEFT FUSE/FILTER UNIT.



INFORMATION NOTES (CONT):

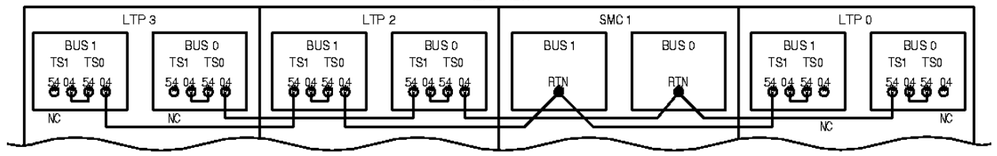
308. TYPICAL APPLICATION FOR CABINETS HAVING ONLY A RIGHT FUSE/FILTER UNIT.



309. TERMINALS 04 AND 54 ON TS 0 AND/OR TS 1 SHALL BE USED TO MULT THE RTN'S OF ADDITIONAL FUSE/FILTER UNITS WHEN OTHER CABINETS ARE REQUIRED. (WITHIN THE SAVE SWITCHING MODULE(SM) 10 AWG WIRE SHALL BE USED TO CONNECT 0 BUS TO 0 BUS AND 1 BUS TO 1 BUS). THE 0 BUS IS NOT CONNECTED TO THE 1 BUS.

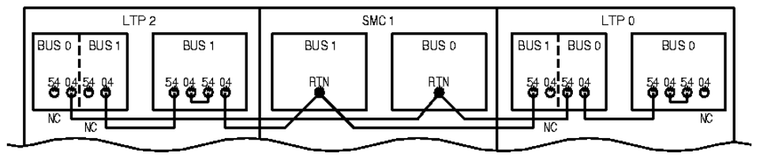
ARRANGEMENT FOR CONNECTING RTN'S TOGETHER WITHIN A SWITCHING MODULE, WHEN THERE IS ONLY ONE FUSE/FILTER PANEL ON A GIVEN BUS, IN EACH BAY

REAR VIEW



ARRANGEMENT FOR CONNECTING RTN'S TOGETHER WITHIN A SWITCHING MODULE WHEN THE FUSE/FILTER PANEL HAS BOTH BUSES

REAR VIEW



FUSE/FILTER UNIT
MODEL 5
CIRCUIT

DWG SIZE	ISSUE
C2	1

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		D5

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INFORMATION NOTES (CONT):

310. POWER FEEDER LEAD AND SYMBOL DESIGNATIONS WILL VARY DEPENDING UPON FEEDER TYPE, FEEDER NUMBER AND AS SHOWN IN TABLE BELOW. 'A' INPUT FEEDERS WILL BE -480(), AND 'B' INPUT FEEDERS WILL BE -481(). THE () NUMBER IS THE SEQUENTIAL NUMBER OF THAT TYPE OF FEEDER (EITHER 'A' OR 'B') IN THE ENTIRE CABINET.

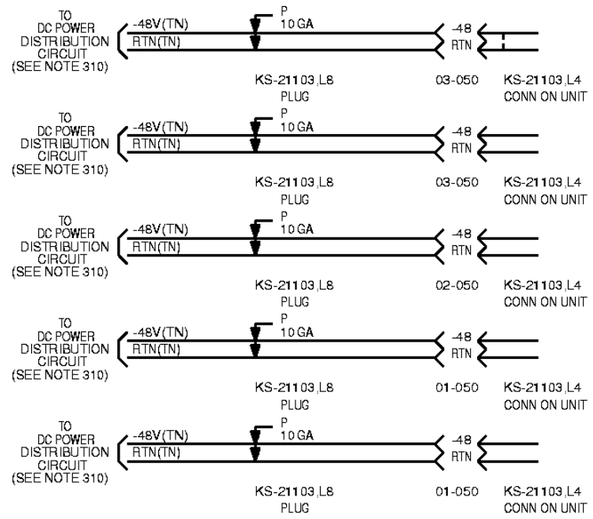
EXAMPLE: -48V T N N — FEEDER NO. (0-9) T — FEEDER TYPE (0,1) -48V — INPUT VOLTAGE	FIRST FEEDER CKT0 WILL BE	SECOND FEEDER CKT1 WILL BE	THIRD FEEDER CKT2 WILL BE	FOURTH FEEDER CKT3 WILL BE	FIFTH FEEDER CKT4 WILL BE	SIXTH FEEDER CKT0 WILL BE	SEVENTH FEEDER CKT1 WILL BE	EIGHTH FEEDER CKT2 WILL BE	NINTH FEEDER CKT3 WILL BE	TENTH FEEDER CKT4 WILL BE
FOR '0' BUS APPLICATIONS	-48V00	-48V01	-48V02	-48V03	-48V04	-48V05	-48V06	-48V07	-48V08	-48V09
FOR '1' BUS APPLICATIONS	-48V10	-48V11	-48V12	-48V13	-48V14	-48V15	-48V16	-48V17	-48V18	-48V19

FUSE/FILTER UNIT
MODEL 5
CIRCUIT

DWG SIZE: C2
ISSUE: 1
AT&T
SD-5D194-01
SHEET: D6

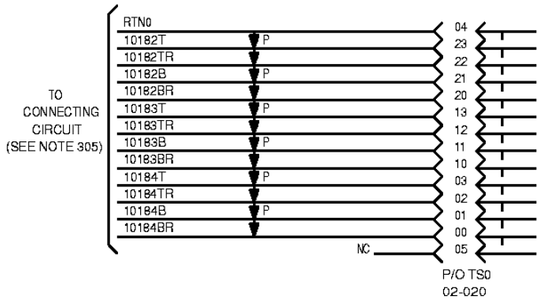
CAD 1

POWER FEEDER TO
FUSE/FILTER PANEL
(& RTN)



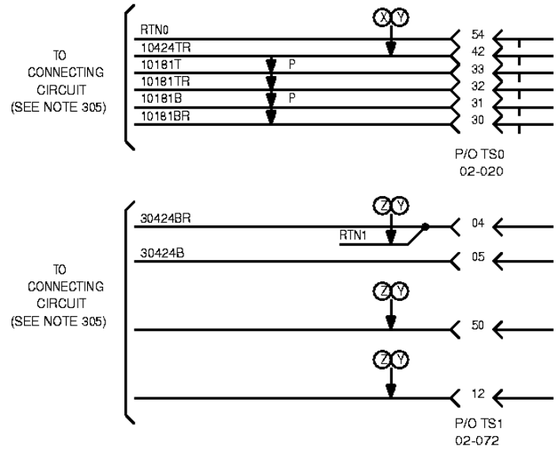
CAD 2

FUSING ON
FUSE/FILTER PANEL
CIRCUIT 0



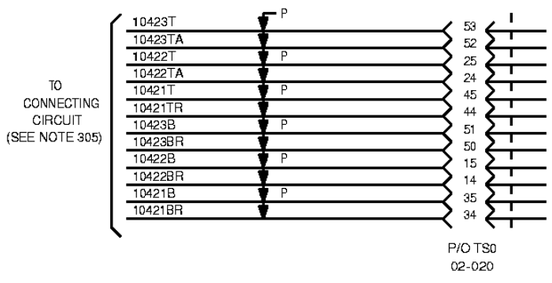
CAD 3

FUSING ON
FUSE/FILTER PANEL
CIRCUIT 1



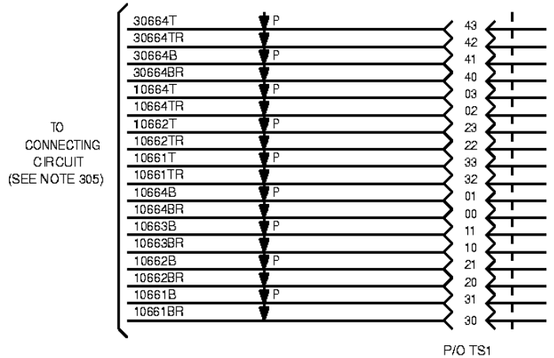
CAD 4

FUSING ON
FUSE/FILTER PANEL
CIRCUIT 2



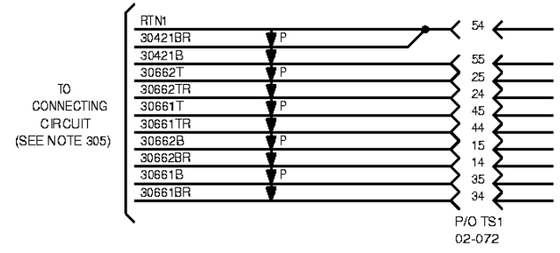
CAD 5

FUSING ON
FUSE/FILTER PANEL
CIRCUIT 3



CAD 6

FUSING ON
FUSE/FILTER PANEL
CIRCUIT 4



FUSE/FILTER UNIT
MODEL 5
CIRCUIT

DWG SIZE	ISSUE
C2	1

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		G1

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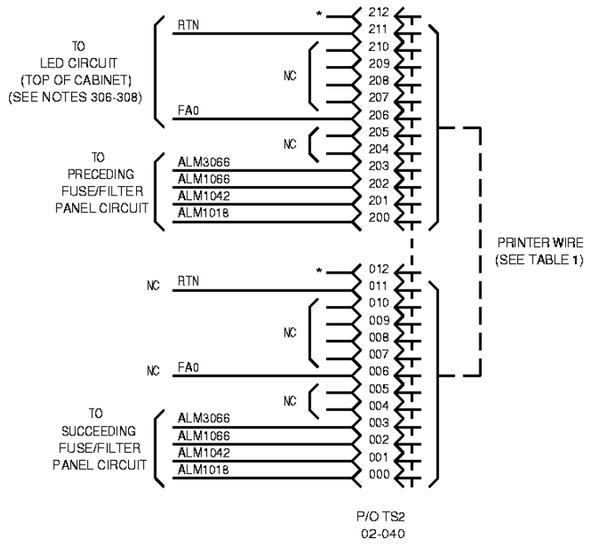
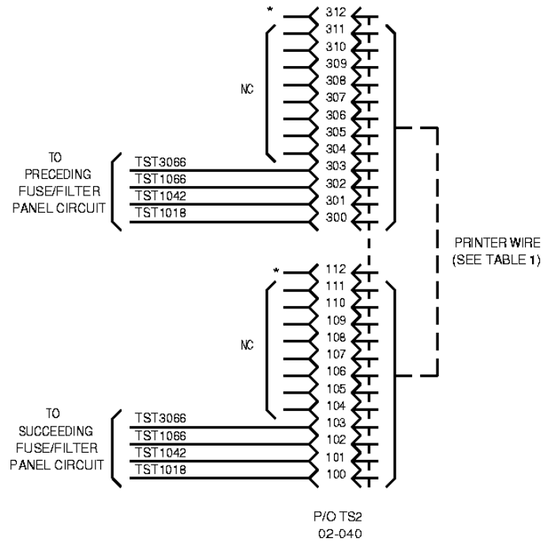
CAD 7

ALARM CIRCUIT OF FUSE/FILTER PANEL





NOTES:

1. UNUSED TERMINALS ON TS2 MAY BE WIRED AND USED AS REQUIRED AT THE CABINET LEVEL.
2. * REQUIRED FOR 127C APPARATUS MOUNTING

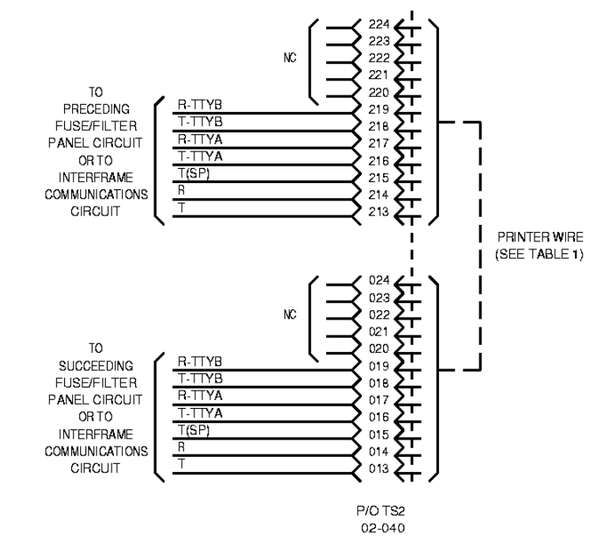
TABLE 1

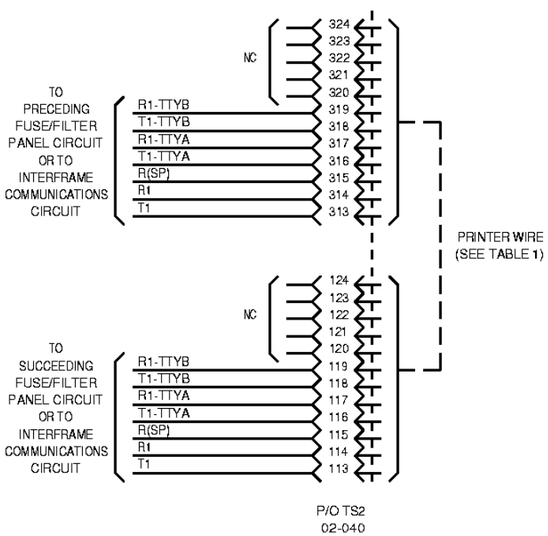
THE FOLLOWING TS2 TERMINALS ARE CONNECTED TOGETHER VIA BACKPLANE PATHS.

–	–	–	–
000	200	013	213
001	201	014	214
002	202	015	215
003	203	016	216
004	204	017	217
005	205	018	218
006	206	019	219
007	207	020	220
008	208	021	221
009	209	022	222
010	210	023	223
011	211	024	224
012	212	–	–
–	–	–	–
100	300	113	313
101	301	114	314
102	302	115	315
103	303	116	316
104	304	117	317
105	305	118	318
106	306	119	319
107	307	120	320
108	308	121	321
109	309	122	322
110	310	123	323
111	311	124	324
112	312	–	–

CAD 8

TEL AND TTY CIRCUIT FUSE/FILTER PANEL





FUSE/FILTER UNIT
MODEL 5
CIRCUIT

DWG SIZE	ISSUE
C2	1

AT&T	SD-5D194-01	SHEET
		G2

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