SHEET INDEX

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	D6	1
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OPTION INDEX

APP OR WRG	RATED ON ISSUE	REF NOTES	LOCATION
Z	STD 1	304	1G2,1G5
Y	STD 1	304	1G2,1G5

DWG ISSUE	CD ISSUE	DATE ISSUED	DRAWN	APPD
1	1	10-22-85		
2B	1 APPX 1B	11-3-86		
3M	1 APPX 2M	6-30-90		

SUPPORTING INFORMATION

CATEGORY	NO.
EQUIPMENT DRAWING	J5D0038T-1
POWER DISTRIBUTION FRAME	JB6334D
DC POWER DISTRIBUTION	SD-5D085-01
INTERFRAME COMMUNICATIONS CIRCUIT	SD-5D089-01
FUSE ALARM CIRCUIT PACK	ED-5D521-30,G1

BT13

5ESS® SWITCHING EQUIPMENT

FUSE/FILTER PANEL 4 CIRCUIT

(FFP4)

DWG SIZE 6S

ISSUE 3M

AT&T

SD-5D087-01

SHEET A1 OF 15

DESIGNATION MNEMONICS INDEX

LEAD DESIG	LOC	DEFINITION
-48(TN)	1B0,1B3 1B5,1B7	-48 VOLT FEEDER, CIRCUIT 0-3
ALM1018	2F4	ALARM, EQL 01-018
ALM1042	2F4	ALARM, EQL 01-042
ALM1066	2F4	ALARM, EQL 01-066
ALM3066	2F4	ALARM, EQL 03-066
FA0	2F6	FUSE ALARM OUTPUT
FA1018	1C9	FUSE ALARM, FUSE BLOCK 01-018
FA1042	1C6	FUSE ALARM, FUSE BLOCK 01-042
FA1066	1C4	FUSE ALARM, FUSE BLOCK 01-066
FA3066	1C2	FUSE ALARM, FUSE BLOCK 03-066
R	3D7,3G3	TEL B RING
R(SP)	3D7,3G3	SPARE RING
R-TTYA	3D7,3G3	TELETYPE A RING
R-TTYB	3D7,3G7	TELETYPE B RING
RTN	2F5	-48 VOLT RETURN
RTN0	1G0	-48 VOLT RETURN 0
RTN1	1G7	-48 VOLT RETURN 1
RTN(TN)	1B0,1B3, 1B5,1B7	-48 VOLT RETURN, FIRST FEEDER THROUGH FOURTH FEEDER
R1	3D7,3G7	TELETYPE B RING 1
R1-TTYA	3D7,3G7	TELETYPE A RING 1
R1-TTYB	3D7,3G7	TELETYPE B RING 1
T	3D7,3G7	TELETYPE A TIP
T(SP)	3D7,3G7	SPARE TIP
T-TTYA	3D7,3G7	TELETYPE A TIP
T-TTYB	3D7,3G7	TELETYPE B TIP
TST1018	2F4	ALARM TEST SIGNAL INPUT, EQL 01-018
TST1042	2F4	ALARM TEST SIGNAL INPUT, EQL 01-042
TST1066	2F4	ALARM TEST SIGNAL 01-066
TST3066	2F4	ALARM TEST SIGNAL 03-066
T1	3D7,3G3	TELETYPE A TIP 1
T1-TTYA	3D7,3G3	TELETYPE A TIP 1
T1-TTYB	3D7,3G3	TELETYPE B TIP 1
1018(1-4)(B,T)	1G4	LOAD FUSE, EQL 01-018, 1 THROUGH 4, BOTTOM AND TOP
1018(1-4)(B,T)R	1G4	GROUND STRAP (RTN), EQL 01-018, 1 THROUGH 4, BOTTOM AND TOP TIED
1042(1-4)(B,T)	1G4	LOAD FUSE, EQL 01-042, 1 THROUGH 4, BOTTOM AND TOP
1042(1-4)(B,T)R	1G4	GROUND STRAP (RTN), EQL 01-042, 1 THROUGH 4, BOTTOM AND TOP TIED
1066(1-4)(B,T)	1G4	LOAD FUSE, EQL 01-066, 1 THROUGH 4, BOTTOM AND TOP

LEAD DESIG	LOC	DEFINITION
1066(1-4)(B,T)R	1G4	GROUND STRAP (RTN), EQL 01-066, 1 THROUGH 4, BOTTOM AND TOP TIED
3066(1-4)(B,T)	1G4	LOAD FUSE, EQL 03-066, 1 THROUGH 4, BOTTOM AND TOP
3066(1-4)(B,T)R	1G4	GROUND STRAP (RTN), EQL 03-066, 1 THROUGH 4, BOTTOM AND TOP TIED

SYMBOL DESIG	LOC	DEFINITION
-48(TN)	1B0,1B3, 1B5,1B7	CABLE ASSEMBLY, CIRCUIT 0-3
CP0	2B3	FUSE ALARM CIRCUIT PACK, CIRCUIT 0
C(1-4)	1C0,1C3, 1C5,1C7	FILTER CAPACITOR, CIRCUIT (1-4)
FB001018	1E8	FUSE BLOCK, EQL 01-018
FB001042	1E5	FUSE BLOCK, EQL 01-042
FB001066	1E3	FUSE BLOCK, EQL 01-066
FB003066	1E1	FUSE BLOCK, EQL 03-066
R(1-4)	1C0,1C3, 1C5,1C7	FILTER RESISTOR, CIRCUIT (0-3)
TS0	1F7	TERMINAL STRIP, LOAD FUSE TERMINATIONS AND RETURNS, CIRCUITS 1 AND 2
TS1	1F2	TERMINAL STRIP, LOAD FUSE TERMINATIONS AND RETURNS, CIRCUITS 3 AND 4
TS2	2E3	TERMINAL STRIP, ALARM AND TEL AND TTY TERMINATIONS

FUSE/FILTER PANEL 4	DWG SIZE C2	ISSUE 1
AT&T BELL LABORATORIES	SD-5D087-01	A2

APPARATUS INDEX

DESIG	LOCATION FS	APP FIG.	EQPT
CABLE ASSEMBLY			
CKT0	1B7	1	03-014
CKT1	1B9	1	03-036
CKT2	1B3	1	03-058
CKT3	1B0	1	03-080

DESIG	LOCATION FS	APP FIG.	EQPT
TERMINAL STRIP			
TS0	1F7	1	02-020
TS1	1F2	1	02-072
TS2	2E3	1,2	01-044

CAPACITOR			
C1	1C7	1	03-014
C2	1C9	1	03-036
C3	1C3	1	03-058
C4	1C0	1	03-080

CIRCUIT PACK ASSEMBLY			
CP0	2B3	1	03-009

FUSE BLOCK			
FB01018	1E8	1	01-018
FB01042	1E9	1	01-042
FB01066	1E3	1	01-066
FB03066	1E1	1	03-066

JACK MODULE			
JP0	3B2	2	02-082

LEAD INDEX

DESIG	LOCATION FS	CAD
CONNECTING CIRCUIT		
1018(1-4)(B,BR)	1G4	1B3
1018(1-4)(T,TR)		1B3
1042(1-4)(B,BR)		1B6
1042(1-4)(T,TR)		1B6
1066(1-4)(B,BR)		1F0
1066(1-4)(T,TR)		1F0
3066(1-4)(B,BR)		1F3
3066(1-4)(T,TR)	1G4	1F3
RTN0	1G0	1B3
RTN1	1G7	1F3

DC POWER DISTRIBUTION CIRCUIT		
-48(TN)	1B0,1B3, 1B5,1B7	1B0,1C0, 1D0
RTN(TN)	1B0,1B3, 1B5,1B7	1B0,1C0, 1D0

INTERFRAME COMMUNICATIONS CIRCUIT		
R	3G7,3G9	2F0,2G0
R(SP)		2F3,2G3
R-TTYA		2F0,2G0
R-TTYB		2F0,2G0
R1		2F3,2G3
R1-TTYA		2F3,2G3
R1-TTYB		2F3,2G3
T		2F0,2G0
T(SP)		2F0,2G0
T-TTYA		2F0,2G0
T-TTYB		2F0,2G0
T1		2F3,2G3
T1-TTYA		2F3,2G3
T1-TTYB	3G7,3G9	2F3,2G3

DESIG	LOCATION FS	CAD
LED CIRCUIT (TOP OF CABINET)		
FA0	2F6	2E0
RTN	2F6	2E3

PRECEDING FUSE/FILTER PANEL CIRCUIT		
ALM1018	2F4	2B0
ALM1042		
ALM1066		
ALM3066	2F4	2B0
R	3G9	2F0
R(SP)		2F3
R-TTYA		2F0
R-TTYB		2F0
R1		2F3
R1-TTYA		2F3
R1-TTYB		2F3
T		2F0
T(SP)		
T-TTYA		
T-TTYB		2F0
T1		2F3
T1-TTYA	3G9	2F3
T1-TTYB	3G5	2F3
TST1018	2F4	2B3
TST1042		
TST1066		
TST3066	2F4	2B3

TO SUCCEEDING FUSE/FILTER PANEL CIRCUIT		
ALM1018	2D6	2D0
ALM1042		
ALM1066		
ALM3066	2D6	2D0
R	3D7	2G0
R(SP)		2G3
R-TTYA		2G0
R-TTYB		2G0
R1		2G3
R1-TTYA		2G3
R1-TTYB		2G3
T		2G0
T(SP)		
T-TTYA		
T-TTYB		2G0
T1		2G3
T1-TTYA		2G3
T1-TTYB	3D7	2G3

TO SUCCEEDING FUSE/FILTER PANEL CIRCUIT		
TST1018	2D6	2D3
TST1042	2D6	
TST1066	2D6	
TST3066	2D6	2D3

FUSE/FILTER PANEL 4

SIZE: D

ISSUE: 1

AT&T BELL LABORATORIES

SD- 5D087-01

SHEET: A3

PART OF FS I

FUSE/FILTER PANEL CIRCUIT

TO DC POWER DISTRIBUTION CIRCUIT

-48 RTN

SYMBOL NO. 4 -48FN0 CKT3

SYMBOL NO. 8 C4 03-087 16,000

SYMBOL NO. 12 R4 03-080 10K

FA3066 2C4

SYMBOL NO. 16 FB003066 03-066

BAT1

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

54F

SYMBOL NO. 18 TS1 02-072

54 P 44 45 24 25 52 53 42 43 34 35 14 15 50 51 40 41 Z 04 P 32 33 22 23 12 13 02 03 30 31 20 21 10 11 00 01

RTN1 306617R 30661T 306627R 30662T 306637R 30663T 306647R 30664T 306187R 30618T 306287R 30628T 306387R 30638T 306487R 30648T

TO DC POWER DISTRIBUTION CIRCUIT

-48 RTN

SYMBOL NO. 3 -48FN0 CKT2

SYMBOL NO. 7 C3 03-058 16,000

SYMBOL NO. 11 R3 03-058 10K

FA1066 2C4

SYMBOL NO. 15 FB001066 01-066

BAT1

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

00F

NC

RTN1 106617R 10661T 106627R 10662T 106637R 10663T 106647R 10664T 106187R 10618T 106287R 10628T 106387R 10638T 106487R 10648T

TO DC POWER DISTRIBUTION CIRCUIT

-48 RTN

SYMBOL NO. 2 -48FN0 CKT1

SYMBOL NO. 6 C2 03-036 16,000

SYMBOL NO.10 R2 03-036 10K

FA1042 2C5

SYMBOL NO. 14 FB001042 01-042

BAT1

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

54F

SYMBOL NO. 17 TS0 02-020

54 P 44 45 24 25 52 53 42 43 34 35 14 15 50 51 40 41 04 P 32 33 22 23 12 13 02 03 30 31 20 21 10 11 00 01

RTN0 104217R 10421T 104227R 10422T 104237R 10423T 104247R 10424T 104218R 10421B 104228R 10422B 104238R 10423B 104248R 10424B

TO DC POWER DISTRIBUTION CIRCUIT

-48 RTN

SYMBOL NO. 1 -48FN0 CKT0

SYMBOL NO.5 C1 03-014 16,000

SYMBOL NO. 9 R1 03-014 10K

FA1018 2C5

RTN0 2D5

SYMBOL NO. 13 FB001018 01-018

BAT1

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

00F

RTN0 101817R 10181T 101827R 10182T 101837R 10183T 101847R 10184T 101818R 10181B 101828R 10182B 101838R 10183B 101848R 10184B

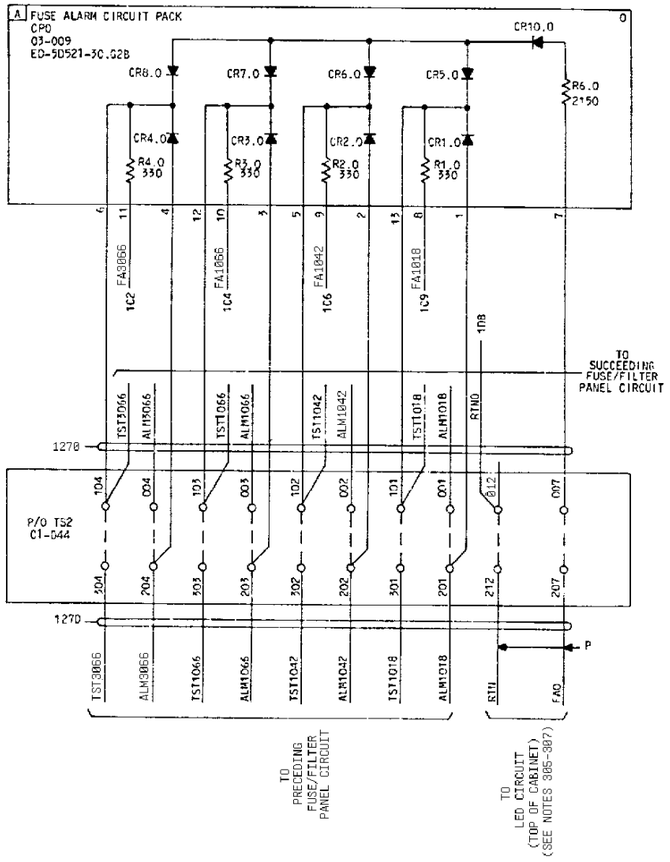
TO CONNECTING CIRCUIT

10 AWG

FUSE/FILTER PANEL 4	DWG SIZE 03	ISSUE 2B
AT&T BELL LABORATORIES	SD-5D087-01	SHEET B1

PART OF FS 1

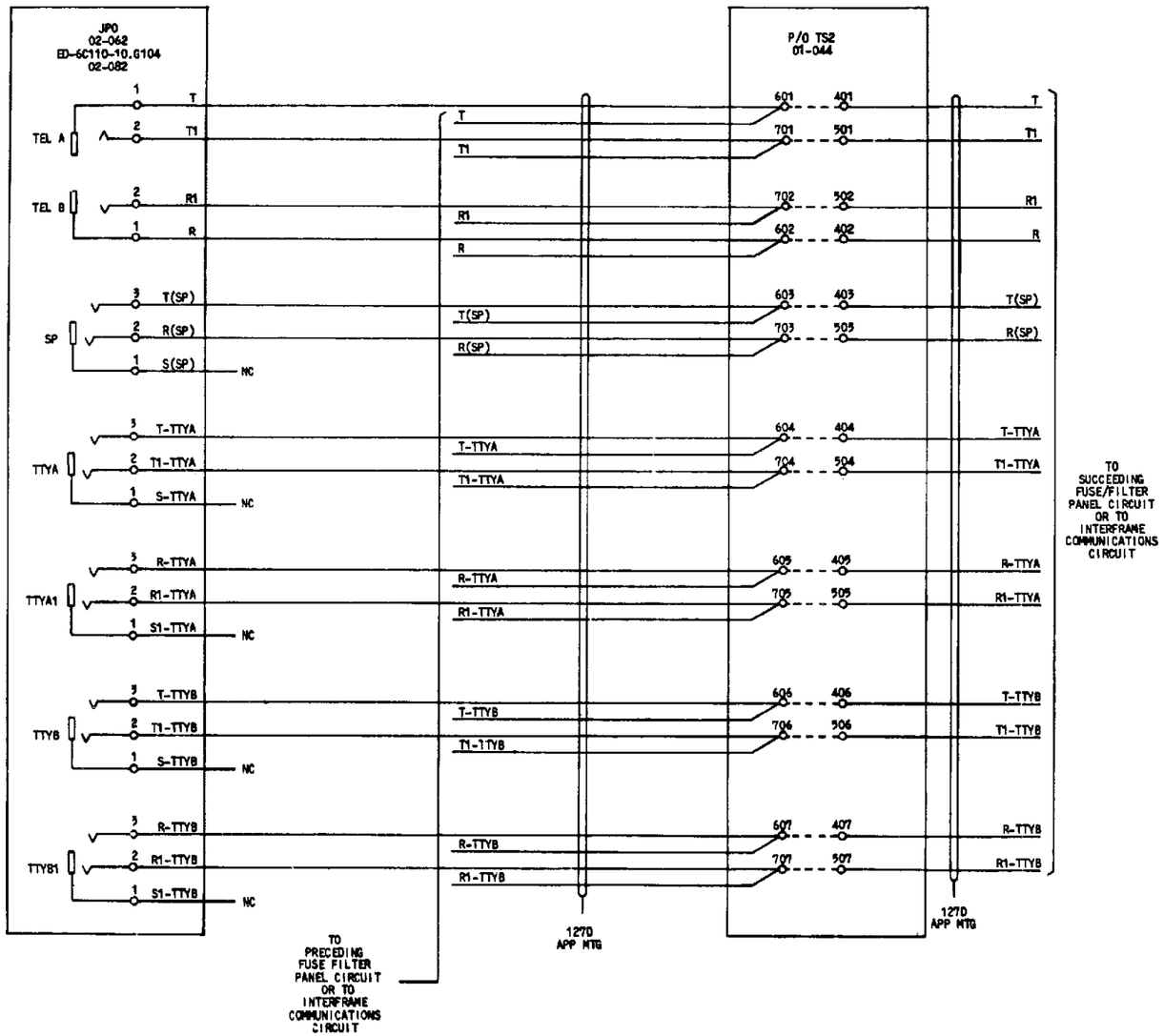
FUSE/FILTER PANEL
CIRCUIT
(SEE NOTES 206 & 207)



FUSE/FILTER PANEL 4		DWG SIZE: B5	ISSUE: 3M
AT&T	SD-5D087-01		SHEET: B2

FS 2

TEL AND TTY CIRCUIT
(SEE NOTE 206)



FUSE/FILTER PANEL 4	CODE SIZE 00	ISSUE 1
AT&T BELL LABORATORIES 90- 5D087-01		SHEET 83

APP FIG. 1

CABLE ASSEMBLY

DESIG	LOC	CODE
CKT0	1B7	ED-5D507-16,G1
CKT1	1B5	ED-5D507-16,G1
CKT2	1B3	ED-5D507-16,G1
CKT3	1B0	ED-5D507-16,G1

* SEE NOTE 310

CAPACITOR

DESIG	LOC	CODE
C1	1C7	KS-20133,L135
C2	1C5	KS-20133,L135
C3	1C3	KS-20133,L135
C4	1C0	KS-20133,L135

CIRCUIT PACK ASSEMBLY

DESIG	LOC	CODE
CP0	2B3	ED-5D521-30,G2B E/W

DIODE

DESIG	LOC	CODE
[8]CR1-CR8	2B4	458C
CR10	2B6	458C

RESISTOR

DESIG	LOC	CODE
[4]R1.0-R4.0	2B4	KS-14683,L3A,330
R6.0	2B6	KS-20289,L6C,2150

FUSE BLOCK

DESIG	LOC	CODE
FB001018	1E8	23A
FB001042	1E9	23A
FB001066	1E3	23A
FB003066	1E1	23A

RESISTOR

DESIG	LOC	CODE
R1	1D7	KS-19151,L2,10K
R2	1D5	KS-19151,L2,10K
R3	1D3	KS-19151,L2,10K
R4	1D0	KS-19151,L2,10K

DESIG	LOC	CODE
TS0	1F7	364A
TS1	1F2	364A
TS2	2E3	ED-5D532-30,G1

APP FIG. 2

JACK MODULE

DESIG	LOC	CODE
JP0	3B2	ED-6C110-10,G104 E/W

JACK

DESIG	LOC	CODE
TELA	3B2	KS-21463,L1; JACK(2W)
TELB	3D2	KS-21463,L1; JACK(2W)
SP	3D2	KS-21001,L1; JACK(3W)
TTYA	3D2	KS-21001,L1; JACK(3W)
TTYA1	3E2	KS-21001,L1; JACK(3W)
TTYB	3F2	KS-21001,L1; JACK(3W)
TTYB1	3G2	KS-21001,L1; JACK(3W)

FUSE/FILTER PANEL 4

DWG SIZE: 6S

ISSUE: 3M

AT&T | SD-5D087-01 | SHEET: C1

CIRCUIT NOTES:

101.

DESIG	FUSE AMP	POTENTIAL	UP TO
FB01018 FB01042 FB01066 FB05066	ANY 70 TYPE FUSE IN FUSE POSITIONS AS REQUIRED.	-48	EIGHT PER APPARATUS FIGURE (FOR FUSE BLOCK) (MAXIMUM OF EIGHT FOR EACH BUS)

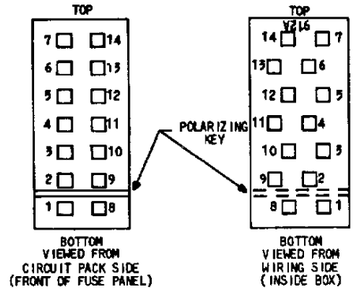
BATTERY SYMBOL	VOLTAGE RANGE
-48	-42.75 TO -52.5

EQUIPMENT NOTES:

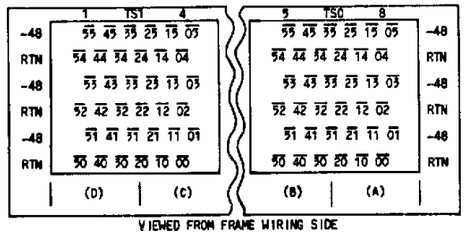
201. A TYPICAL INSTALLATION WOULD PROVIDE TWO J50003BT-1 LIST 1 PANELS IN EACH BAY. THIS PROVIDES A TOTAL OF 8 FEEDERS PER BAY. THE FIRST FEEDER ON EACH SIDE PROVIDES FOR UP TO 8 70 TYPE FUSES. THE SECOND, THIRD AND FOURTH FEEDER ON EACH SIDE PROVIDES FUSES THE SAME AS THE FIRST FEEDER, THEREFORE THE MAXIMUM EQUIPAGE IS 64 70 TYPE FUSES PER CABINET.

202. FUSE ASSIGNMENTS MAY BE MADE USING NOTE 304 AS A WORKSHEET.

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



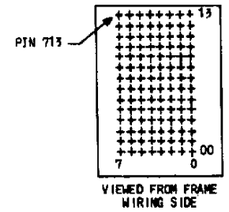
204. TERMINAL ASSIGNMENTS FOR TS 0 AND TS 1.



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

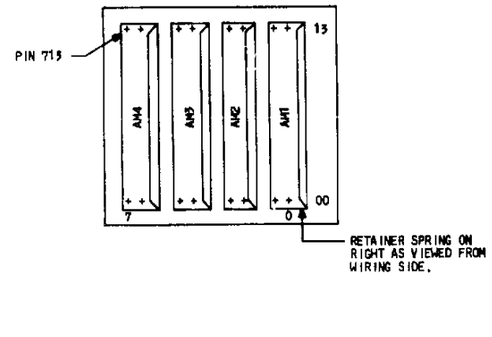
EQUIPMENT NOTES (CONT):

205. TERMINAL ASSIGNMENTS FOR TS 2.



NOTE:

PINS 000 THROUGH 700 AND PINS 013 THROUGH 713 ARE USED TO HOLD 127D APPARATUS MOUNTINGS AND ARE NOT AVAILABLE FOR WIRING LEAVING THE UNIT. ADD 127D MOUNTINGS AT EQL 000-013,200-213, 400-413 AND 600-613 ON THE WIRING SIDE OF TS2 TO SECURE ALL REQUIRED SIZES OF PADDLEBOARDS.



FUSE/FILTER PANEL 4

DWG SIZE: B8

ISSUE: /

AT&T BELL LABORATORIES | SD-5D067-01

SHEET: D1

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		COMMON CABINET CONFIGURATION	
				LEFT SIDE SA	RIGHT SIDE SB	LEFT SIDE SA	RIGHT SIDE SD	LEFT SIDE SC	RIGHT SIDE SE	LEFT SIDE SA	RIGHT SIDE SF	LEFT SIDE SC	RIGHT SIDE SG
	BUS	CKT	FEEDER IDENTIFICATION	"0" BUS	"1" BUS	"0" BUS	"0" BUS	"1" BUS	"1" BUS	"0" BUS	"0"&"1" BUS	"1" BUS	"0"&"1" BUS
-48V FEEDER CONNECTOR LOCATION ON REAR PANEL	A	0	-48V00	03-038		03-038				03-038			03-132
		1	-48V01	03-046		03-046				03-046			03-140
		2	-48V02	03-054		03-054				03-054			
		3	-48V03	01-054		01-054				01-054			
		0	-48V04				03-132				03-132		
		1	-48V05				03-140				03-140		
		2	-48V06				03-148						
		3	-48V07				01-148						
	B	0	-48V10		03-132			03-038			03-148	03-038	
		1	-48V11		03-140			03-046			01-148	03-046	
		2	-48V12		03-148			03-054				03-054	
		3	-48V13		01-148			01-054				01-054	
		0	-48V14						03-132				03-148
		1	-48V15						03-140				01-148
		2	-48V16						03-148				
		3	-48V17						01-148				
ALARM CIRCUIT PACK			CP0	03-009	03-103	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	02-020	02-114
			TS1	02-072	02-166	02-072	02-166	02-072	02-166	02-072	02-166	02-072	02-166
			TS2	01-044	01-138	01-044	01-138	01-044	01-138	01-044	01-138	01-044	01-138
JACK PANEL													
FUSE BLOCK			FB01018	01-018	01-112	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	01-042	01-136
			FB01066	01-066	01-160	01-066	01-160	01-066	01-160	01-066	01-160	01-066	01-160
			FB03066	03-066	03-160	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 J5D003BT-1 UNIT ON EACH BUS
EACH E/W OPTION Y

"0"BUS STAMPING LIST SA	"0"BUS STAMPING LIST SD

BOTH J5D003BT-1 UNITS ON "0" BUS
EACH E/W OPTION Y

"1"BUS STAMPING LIST SC	"1"BUS STAMPING LIST SE

BOTH J5D003BT-1 UNITS ON "1" BUS
EACH E/W OPTION Y

"0"BUS STAMPING LIST SA	"0" BUS / "1" BUS STAMPING LIST SF

J5D003BT-1 UNIT IN LEFT BAY ON "0" BUS AND E/W OPTION Y
J5D003BT-1 UNIT IN RIGHT BAY ON "0" & "1" BUSES AND
NOT E/W OPTION Y

"1"BUS STAMPING LIST SC	"0" BUS / "1" BUS STAMPING LIST SG

J5D003BT-1 UNIT IN LEFT BAY ON "1" BUS AND E/W OPTION Y
J5D003BT-1 UNIT IN RIGHT BAY ON "0" & "1" BUSES AND
NOT E/W OPTION Y

EQUIPMENT NOTES (CONT):

207.

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

FUSE/FILTER PANEL 4

DWG SIZE 86

ISSUE 2B

AT&T BELL LABORATORIES SD-5D087-01

SHEET D2

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.	PROVIDE APP OR WIRE	PROVIDE QUANTITY
ASSEMBLY, WIRING AND EQUIPMENT FOR ONE FUSE PANEL TO PROVIDE FOUR ISOLATED -48V POWER SUPPLIES AND RETURNS, AND 32 '70 TYPE 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
WITHOUT STRAP BETWEEN TSO-54 AND TS1-04 (SEE NOTE 304).		Z	1 PER CKT
WITH STRAP BETWEEN TSO-54 AND TS1-04 (SEE NOTE 304).		Y	1 PER CKT

303.

RECORD OF FIGURES, WIRING AND APPARATUS CHANGES						
CHANGES ON ISSUE	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT STD	USE IN CIRCUIT A&M	USE IN CIRCUIT MD

304. Y OPTION, A STRAP BETWEEN TSO-54 AND TS1-04, IS REQUIRED FOR APPLICATIONS SUCH AS THE ISLU WHICH REQUIRE ALL FOUR FEEDERS IN THIS J50087BT-1 UNIT TO BE ON THE SAME BUS (0 OR 1). STRAP 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 TSO OR TS1 AND TERMINAL NUMBER. THESE TERMINAL NUMBERS ON TSO OR TS1 MUST BE USED FOR ANY CIRCUIT TO BE FUSED.

FUSE/FILTER PANEL															CABINET						
FEEDER	FUSE BLOCK LEVEL	FUSE BLOCK EQL	FUSE NUMBER	TERMINAL STRIP NUMBER	PIN NO. -48	PIN NO. RTN	-48V LEAD NAME	FUSE NUMBER LEFT UNIT	FUSE NUMBER RIGHT UNIT	FUSE ALARM CKT PK	FUSE ALARM CKT NO.	FUSE ALARM TS2 PIN NO.	FUSE ALARM LEAD NAME	FUSE DESIG	UNIT TO BE FUSED	UNIT LOCATION	FUSE AMPS	TYPE FUSE	LEAD NAME -48V	LEAD NAME RTN
-48(TN) CKT 0	01	01-018	4T	TSO	03	02	10184T	1T	13T	CPO	1	001, 201	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											
			1T		33	32	10181T	4T	16T											
			1B		31	30	10181B	4B	16B											
-48(TN) CKT 1	01	01-042	4T		43	42	10424T	5T	17T		2	002, 202	ALM1042							
			4B		41	40	10424B	5B	17B											
			3T		53	52	10423T	6T	18T											
			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											
-48(TN) CKT 2	01	01-066	4T	TS1	03	02	10664T	9T	21T		3	003, 203	ALM1066							
			4B		01	00	10664B	9B	21B											
			3T		13	12	10663T	10T	22T											
			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											
-48(TN) CKT 3	03	03-066	4T		43	42	30664T	1T	5T		4	004, 204	ALM3066							
			4B		41	40	30664B	1B	5B											
			3T		53	52	30663T	2T	6T											
			3B		51	50	30663B	2B	6B											
			2T		25	24	30662T	3T	7T											
			2B		15	14	30662B	3B	7B											
			1T		45	44	30661T	4T	8T											
			1B		35	34	30661B	4B	8B											

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)

FUSE/FILTER PANEL 4

DWG SIZE D

ISSUE 1

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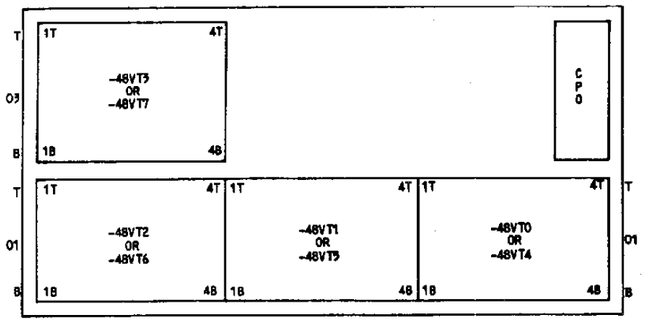
SHEET D3

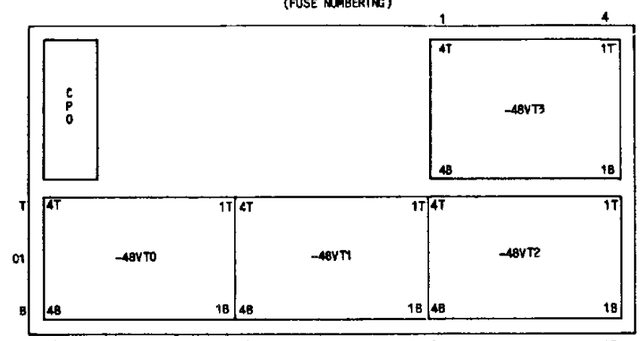
INFORMATION NOTES (CONT):

305. (CONT)

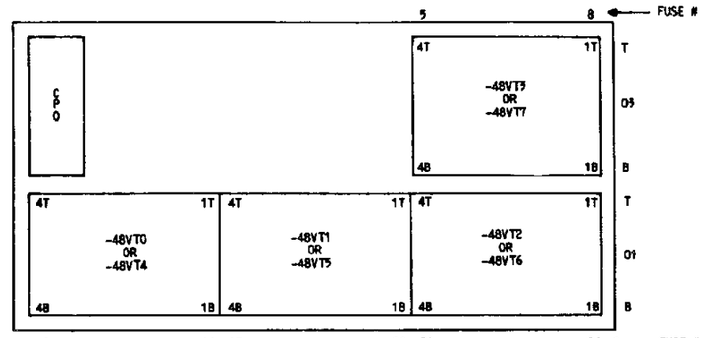
FUSE PANEL
J50U03BT-1
(FUSE NUMBERING)



FUSE PANEL REAR VIEW
OF FRONT PANEL



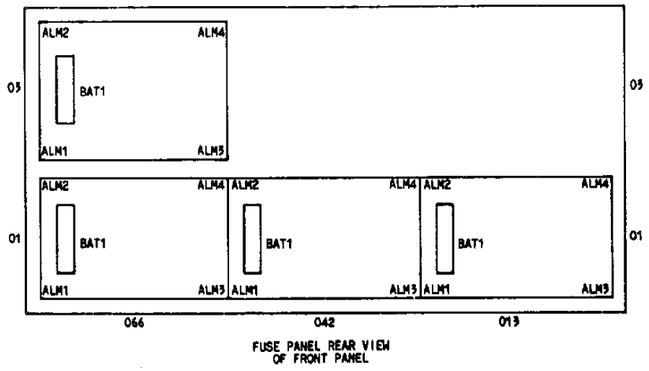
LEFT UNIT



RIGHT UNIT

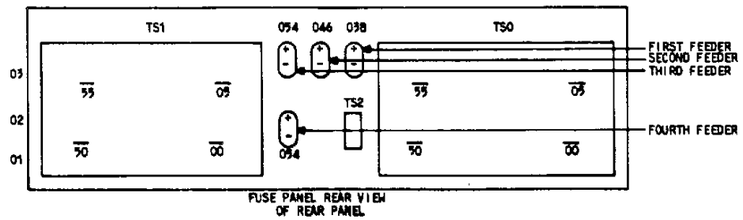
FUSE PANEL REAR VIEW
OF FRONT PANEL

FUSE PANEL
J50U03BT-1
(BATTERY BUS & ALARM NUMBERING)



FUSE PANEL REAR VIEW
OF FRONT PANEL

FUSE PANEL
J50003BT-1
(TERMINAL STRIP NUMBERING)



FUSE PANEL REAR VIEW
OF REAR PANEL

NOTES:

1. T=0 FOR "0" BUS APPLICATIONS (FEEDER TYPE "0").
2. T=1 FOR "1" BUS APPLICATIONS (FEEDER TYPE "1").

FUSE/FILTER PANEL 4

DWG SIZE: 00

ISSUE: /

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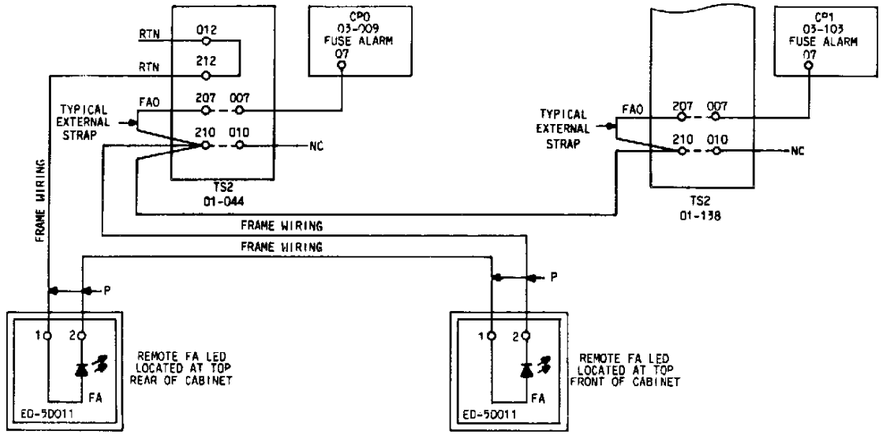
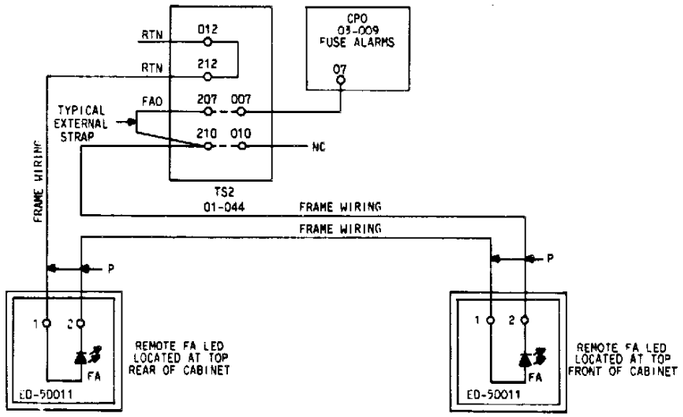
INFORMATION NOTES (CONT):

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

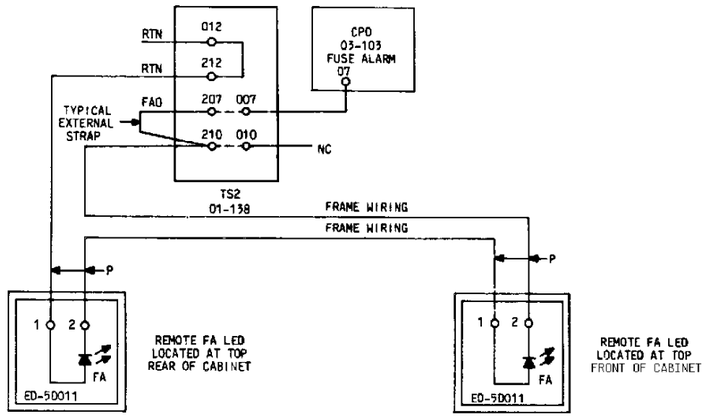


307. TYPICAL APPLICATION FOR CABINETS HAVING ONLY A LEFT FUSE/FILTER UNIT.



INFORMATION NOTES (CONT):

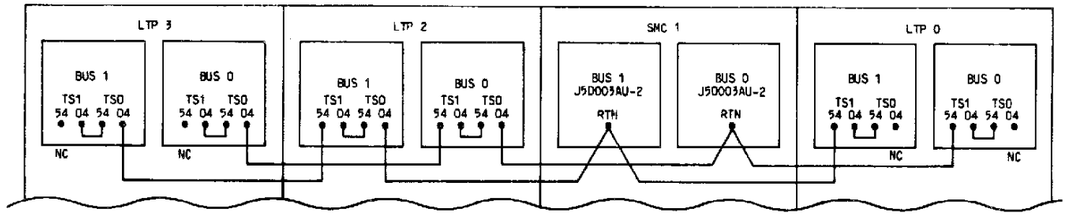
308. TYPICAL APPLICATION FOR CABINETS HAVING ONLY A RIGHT FUSE/FILTER UNIT.



309. TERMINALS 24 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 SAME 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.

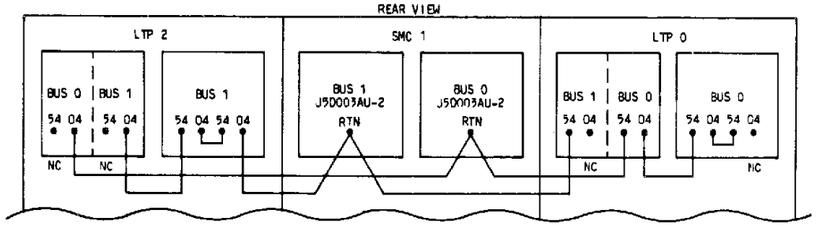
ARRANGEMENT FOR CONNECTING RTN'S TOGETHER WITHIN A SWITCHING MODULE. WHEN THERE IS ONLY ONE FUSE/FILTER PANEL ON A GIVEN BUS, IN EACH BAY

REAR VIEW



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

REAR VIEW



FUSE/FILTER PANEL 4

DWG SIZE	ISSUE
88	28

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INFORMATION NOTES (CONT):

510. 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 -48V0(). AND "B" INPUT FEEDERS WILL BE -48V1(). THE () NUMBER IS THE SEQUENTIAL NUMBER OF THAT TYPE OF FEEDER (EITHER "A" OR "B") IN THE ENTIRE CABINET.

EXAMPLE: -48V T N (T = FEEDER TYPE (0,1); N = FEEDER NO. (0-7); -48V = INPUT VOLTAGE)	FIRST FEEDER	SECOND FEEDER	THIRD FEEDER	FOURTH FEEDER	FIFTH FEEDER	SIXTH FEEDER	SEVENTH FEEDER	EIGHT FEEDER
	CKT0 WILL BE	CKT1 WILL BE	CKT2 WILL BE	CKT3 WILL BE	CKT0 WILL BE	CKT1 WILL BE	CKT2 WILL BE	CKT3 WILL BE
FOR "0" BUS APPLICATIONS	-48V00	-48V01	-48V02	-48V03	-48V04	-48V05	-48V06	-48V07
FOR "1" BUS APPLICATIONS	-48V10	-48V11	-48V12	-48V13	-48V14	-48V15	-48V16	-48V17

FUSE/FILTER PANEL 4

DWG SIZE: 86

ISSUE: /

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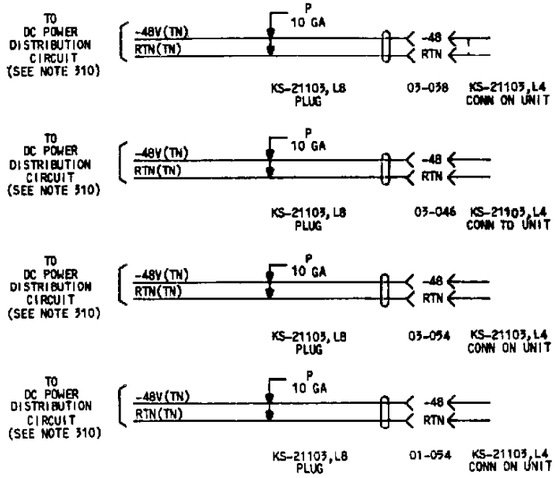
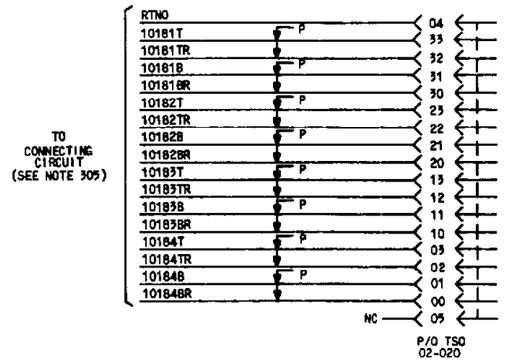
CAD 1

POWER FEEDER TO
FUSE/FILTER PANEL
(& RTN)



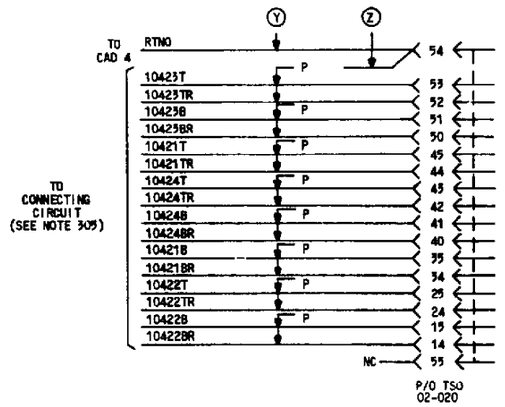
CAD 2

FUSING ON
FUSE/FILTER PANEL
CIRCUIT 0



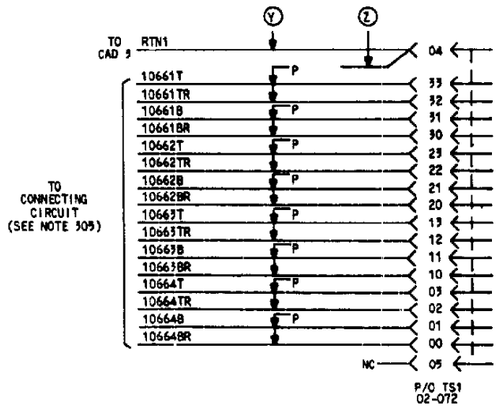
CAD 3

FUSING ON
FUSE/FILTER PANEL
CIRCUIT 1



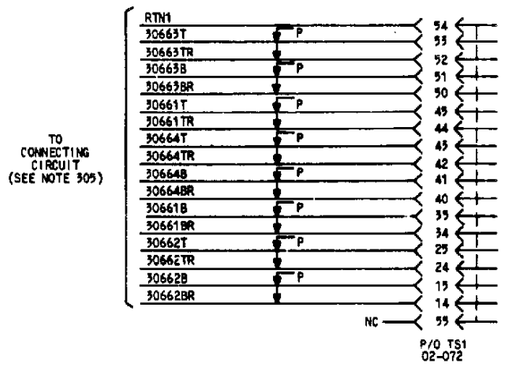
CAD 4

FUSING ON
FUSE/FILTER PANEL
CIRCUIT 2



CAD 5

FUSING ON
FUSE/FILTER PANEL
CIRCUIT 3



FUSE/FILTER PANEL 4		DWG SIZE	ISSUE
		00	/
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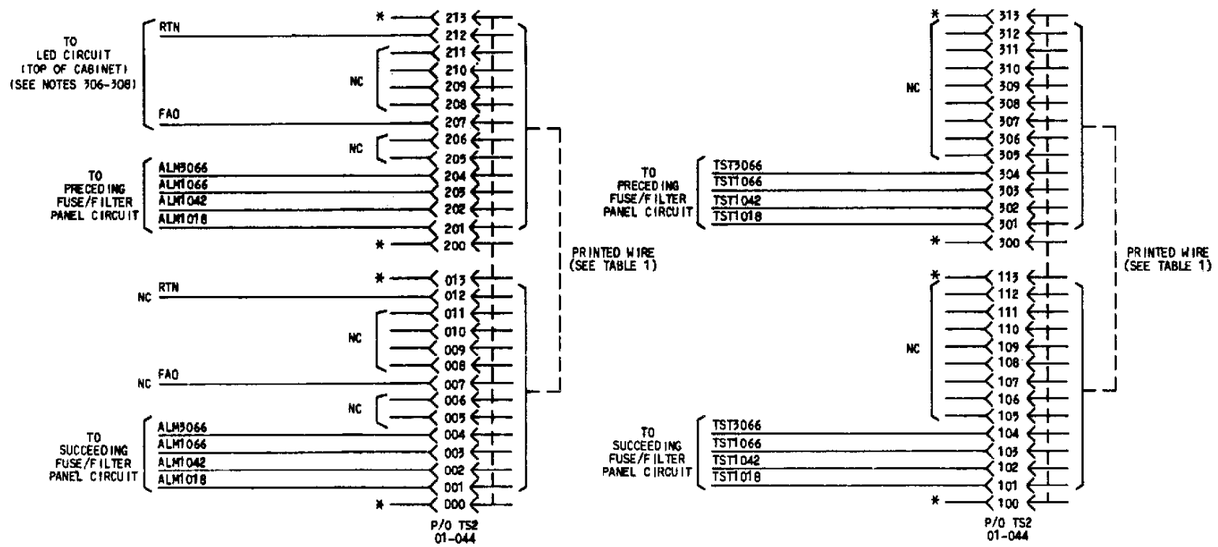
CAD 6

ALARM CIRCUIT OF FUSE/FILTER PANEL



NOTES:

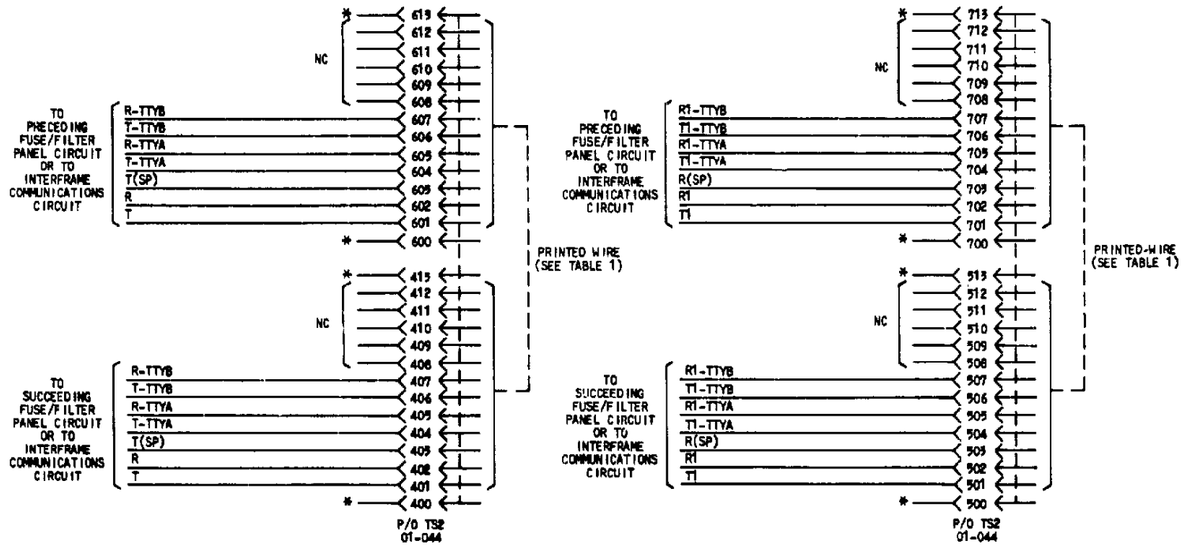
1. UNUSED TERMINALS ON TS2 MAY BE WIRED AND USED AS REQUIRED AT THE CABINET LEVEL.
2. * REQUIRED FOR 127D APPARATUS MOUNTING.

TABLE 1

THE FOLLOWING TS2 TERMINALS ARE CONNECTED TOGETHER VIA BACKPLANE PATHS.			
-	-	-	-
001	201	401	601
002	202	402	602
003	203	403	603
004	204	404	604
005	205	405	605
006	206	406	606
007	207	407	607
008	208	408	608
009	209	409	609
010	210	410	610
011	211	411	611
012	212	412	612
-	-	-	-
-	-	-	-
101	301	501	701
102	302	502	702
103	303	503	703
104	304	504	704
105	305	505	705
106	306	506	706
107	307	507	707
108	308	508	708
109	309	509	709
110	310	510	710
111	311	511	711
112	312	512	712
-	-	-	-

CAD 7

TEL AND TTY CIRCUIT FUSE/FILTER PANEL



FUSE/FILTER PANEL 4	DWG SIZE 68	ISSUE 2B
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