

TABLE B 120V AC LOADS (SEE NOTE 51-57)

LOAD	TYPE	BUS	AMP DRAIN	FUSE OR CKT BRKR AMP RATING	CODE	LEAD SIZE	REMARKS
RECEIVE-ONLY PRINTER ROP U.S.A.	120 VOLTS SINGLE PHASE	PROTECTED	3.0	7.5	KS15B15 L-47	NO. 14	
MAINTENANCE TERMINAL WTTY COLOR VIDEO TERM U.S.A.	120 VOLTS SINGLE PHASE	PROTECTED	2.0	5.0	700	NO. 14	
208A DATA SET	120 VOLTS SINGLE PHASE	PROTECTED	0.3	2.0	708	NO. 14	
TAPE UNIT (MTD ON J1C192A-1)	120 VOLTS SINGLE PHASE	COMMERCIAL OR ESSENTIAL	3.0	15.0	KS15B15 L-103	NO. 14	VOLTAGE RANGE: 106-128 VOLTS FREQ. RANGE: 59-60 HZ INRUSH: 9 AMPS FOR 150 MSEC
TAPE UNIT (MTD ON J3T027A-1)	120 VOLTS SINGLE PHASE	COMMERCIAL OR ESSENTIAL	3.2	15.0	KS15B15 L-103	NO. 14	VOLTAGE RANGE: 93-128VAC FREQ. RANGE: 57-63KHZ INRUSH: 9 AMPS
MAINTENANCE TERM WTTY INTERNATIONAL	220 VOLTS SINGLE PHASE	PROTECTED	3.0	7.5	KS15B15 L-47	NO. 14	
RECEIVE-ONLY PRINTER ROP INTERNATIONAL	220 VOLTS SINGLE PHASE	PROTECTED	2.0	5.0	700	NO. 14	

SH	INS	MANUFACTURING NOTES	ORIGINAL ISSUE
X	X	1. P DENOTES PAIRED LEADS.	03-08-83
X	X	2. TERMINATE CABINET GROUND CABLE TO AN EQUIPMENT MOUNTING HOLE ON EITHER REAR UPRIGHT. THE INSTALLER SHALL SELECT UNUSED MOUNTING HOLE AS NEAR THE TOP OF THE UPRIGHT AS POSSIBLE THAT WILL ALLOW DRESSING THE GROUND CABLE WITHOUT ANY SHARP BENDS. THIS TERMINATION SHALL BE MADE WITHIN THE TOP FIVE MOUNTING POSITIONS. THE PRIME POSITION BEING THE SECOND MOUNTING POSITION DOWN. (SEE FIG. C, F & G FOR MATERIAL AND METHOD OF ASSEMBLY).	FIG. 1 & TBL A PCC-D PORT 5B FEEDER -48J & RTUJ WERE TERMINATED ON PD FR (FIG. 4) BUS A. CHANGE MADE PER LDI SD4C053-01 ISS. 30. 0859101H
X	X	3. DEPENDING ON FLOOR PLAN LAYOUT THE NO. 6 BARE TINNED COPPER WIRE, STRANDED, 7 STRANDS MAY BE USED IN ONE PIECE TO GROUND TWO ADJACENT CABINET FRAMEWORKS TO THE BARE NO. 6 LINE-UP GROUND WIRE.	AT&T CL:IA WE CL:IA 2-14-84 GES JRR 4
X	X	5. CONNECT ALL 3B COMPUTER CABINETS TO 6 GAUGE GROUNDING STRAPS PER ED-50022-11.	NOTES 77,78 ADDED. NOTES 60,65; TBL B & C; CHGD. AT&T CL:INONE WE CL:ID 2-14-84 GES JRR 5
X	X	6. OTHER COMMON ESS GROUNDING RULES APPLY. SEE BSP-872-001-195 AND 802-001-198.	NOTE 79 F18S, 5, 6 & 7 IN TBL A REF TO J1C192A-1; ADDED. AT&T CL:ICL:IB 2-27-84 GES JRR 6
X	X	7. USE TAB #54136 LUGS, TAB #035-71153-1 GROUND CLAMPS & #6 INSULATED CONDUCTOR TO GROUND TO SPLICE PLATES. LENGTH OF #6 CONDUCTOR SHALL NOT EXCEED 3 FT.	NOTE 80 & B1 ADDED. TBL A CHGD. AT&T CL:INONE WE CL:ID 4-23-84 GES REV 7
X	X	8. THE EQUIPMENT CABINETS & MHD PLATFORMS SHALL BE BOLTED TO AND INSULATED FROM THE BLDG FL AND REINFORCING RODS IN THE FLOORING FOLLOWING THE METHODS SPECIFIED IN ED-50511-11 EXCEPT IN THE CASES OF POWER FRAMES AND BATTERY DISTRIBUTION FRAMES WHICH USE A DIFFERENT METHOD OF BOLTING AND INSULATING FROM THAT COVERED BY ED-50511-11. THE BOLTING AND INSULATING INFORMATION FOR THE BATTERY DISTRIBUTION AND POWER FRAMES IS PROVIDED ON THE EQUIPMENT DRAWINGS FOR THE INDIVIDUAL FRAMES.	FIG. A AC FEEDER CHGD. AT&T CL:INONE WE CL:ID 8-08-84 GES REV 8 TBL C: FIG. A, B, H, J, K; NOTES 4, 57, 60, 61, 63, 64, 65, 72, 78; RMVD. TBL A 1 VOLT LOOP DROP CHGD TO .75 VOLT LOOP DROP. FIG. 5 & 6 AC FOR TAPE UNIT CHGD. TBL B: FIG. 1, 2, 3, 4, 7, C, D, F, G; NOTES 5, 8, 62, 66, 71, 79; CHGD. FIG. B & M ADDED. AT&T CL:INONE WE CL:IB 9-05-84 GES REV 9
			FIG. 9 IN TBL A REF TO PIC CAB ADDED. TBL A T/DC CAB L1 & 3 AND L2 DRAIN READ 7 AND 11 RESP. NOTE 79 CHGD. VAULTED J2-1-86 CHGE. CL:IB TPS KAB 10 F18, 10, 11 & 12 ADDED. IN TABLE A REF TO J1C215C-1 & J3T027A-1 ADDED. TABLE B AND FIG. B & D CHANGED. 10-25-80 CL:IME CID CES 11

ED4C1B4-12

SHEET INDEX	ISSUE										
	SH NO.										
ISSUE											
SH NO.											
ISSUE											
SH NO.	11	11	11								
ISSUE	E10	E11	E12								
SH NO.	11	9	9	9	9	10	10	11	9		
ISSUE	E1	E2	E3	E4	E5	E6	E7	EB	E9		
SH NO.	11	10	9	10	11						
ISSUE	A1	A2	A3	A4	A5						

AT&T PROPRIETARY
THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF AT&T AND IS NOT TO BE DISCLOSED OR USED EXCEPT IN ACCORDANCE WITH APPLICABLE CONTRACTS OR AGREEMENTS.

SEE PROPRIETARY NOTICE ON SHEET A1

COPYRIGHT © 1980 AT&T
UNPUBLISHED & NOT FOR PUBLICATION
ALL RIGHTS RESERVED

COMMON SYSTEMS 3B COMPUTER MODEL 2 & 3 6 FOOT CABINETS AC & DC POWER DISTRIBUTION CIRCUIT (SESS ONLY)		REV R098	DWG SIZE C2	ISSUE 11
--	--	-------------	----------------	-------------

AT&T ED4C1B4-12 SHEET A1 OF 18

ENGINEERING NOTES

51. THE NEUTRAL WIRES FROM EITHER PROTECTED OR ESSENTIAL AC POWER CABLE MUST NOT BE CONNECTED TO ESS GROUND.
52. NO. 14 GA THIN SOLID WIRE SHALL BE USED FOR LOADS REQUIRING 120 VOLT SINGLE PHASE GROUNDED AC SUPPLY.
53. THE LOADS ON THE " ESSENTIAL AC BUS " ARE THOSE WHICH CAN TOLERATE MORE THAN 5 SECONDS INTERRUPTION IN THE EVENT OF A COMMERCIAL AC POWER FAILURE.
54. 208A DATA SETS ASSOCIATED WITH SCC LINKS ARE TO BE POWERED FROM PROTECTED AC.
55. PROTECTED POWER SHOULD BE PROVIDED FOR MAINTENANCE TERMINALS AND THE LINE PRINTER IN OFFICES NOT LINKED WITH A SCC.
56. ESSENTIAL POWER SHOULD BE PROVIDED FOR MAINTENANCE TERMINALS AND THE LINE PRINTER IN OFFICES LINKED WITH A SCC.
56. PC CABINETS MAY CONTAIN ODD OR EVEN NUMBERED I/OP UNITS. IF THE UNIT NUMBER IS EVEN IT IS TO BE CONNECTED TO POWER BUS 0 AND IF ODD TO POWER BUS 1.
59. UNASSIGNED
62. THE MAXIMUM SIZE EQUIPMENT FRAME POWER FEEDERS THAT CAN TERMINATE ON THE J86334D-1 PD CABINET FUSE PANELS 1 THRU 3 IS 10 GAUGE STRANDED. IF JOB CONDITIONS REQUIRE LARGER THAN 10 GAUGE FEEDERS A SECTION OF 10 GAUGE FEEDER WIRE MUST BE SPLICED TO THE LARGER CABINET FEEDER. THE SPLICE SHOULD BE MADE IN CABLE RACK ABOVE THE PD CABINET USING A THOMAS & BETTS " C " TAP. THE PD CABINET REQUIRES KS-15977,L23 TERMINALS FOR TERMINATING 10 GAUGE RETURN FEEDERS AND THOMAS AND BETTS CS2 FLAG TERMINALS FOR TERMINATING 10GA -48VOLT FEEDERS. A GROUP ON THE J86334D-1 CABINET CAN BE ORDERED TO PROVIDE ALL TERMINALS REQUIRED PER PANEL. IF THE TERMINALS ARE NOT ORDERED WITH THE PD CABINET THEY MUST BE ORDERED ON A JOB CONDITION BASIS AS REQUIRED.
66. THE MAXIMUM SIZE EQUIPMENT FRAME POWER FEEDERS THAT CAN TERMINATE ON THE J86334D-1 PD CABINET FUSE PANEL 4 IS 2 GAUGE STRANDED. IF JOB CONDITIONS REQUIRE LARGER THAN 2 GAUGE FEEDERS A SECTION OF 2 GAUGE FEEDER WIRE MUST BE SPLICED TO THE LARGER CABINET FEEDER. THE SPLICE SHOULD BE MADE IN THE CABLE RACK ABOVE THE PD CABINET USING A THOMAS & BETTS "C" TAP. THE PD CABINET PROVIDES THOMAS & BETTS 6671 TERMINALS FOR TERMINATING 2 GAUGE WIRE AT THE PD CABINET. TO TERMINATE THE NO. 6 OR 4 GAUGE BATTERY AND GROUND WIRE FURNISH TWO T & B CO. CAT. NO. E271 OR F271 TERMINALS RESP AND INSTRUCT INSTALLER TO REMOVE AND DISCARD THE 6671 TERMINALS FURNISHED WITH THE P.D. FRAME.
67. LEAD DESIGNATIONS SHOWN ON EQUIPMENT CABINET FEEDERS AGREE WITH STAMPING AT TOP OF EQUIPMENT CABINETS.
68. UNASSIGNED
69. UNASSIGNED

ENGINEERING NOTES (CONT)

70. FUSES FOR INVERTERS ON THE DISK POWER CABINET SHALL BE OF THE FOLLOWING TYPE OR EQUIV.
50 AMPERE A13 X 50, GOULD SHAWMUT;
50 AMPERE 1R13 X 50, INTERNATIONAL RECTIFIER; OR 50 AMPERE RFA-50 ECONOMY FUSE FEDERAL ELECTRIC.
71. TO CALCULATE THE TOTAL -48VOLT LIST 1 DRAIN FOR DISK POWER CABINET (S) IN AN OFFICE THE FOLLOWING FORMULA SHALL BE USED:
BATTERY POWER PLANT (J86334D PD CABINET)
TOTAL LIST 1 = 35AMP X (N) + 10AMP
N = NUMBER OF INVERTERS
EX: BATTERY POWER PLANT WITH TWO INVERTERS (O&2) ON ONE POWER FEEDERS:
 $35 \times 2 + 10 = 80$
TOTAL L1 DRAIN = 80 AMPS
73. TERMINATE CABINET GROUND CABLE TO AN EQUIPMENT MOUNTING HOLE ON EITHER REAR UPRIGHT. THIS TERMINATION SHALL BE MADE WITHIN THE TOP FIVE MOUNTING POSITIONS. THE PRIME POSITION BEING THE SECOND MOUNTING HOLE DOWN. SEE FIGURE C, F & G FOR HARDWARE REQUIRED FOR TERMINATION.
74. UNASSIGNED
75. THIS DRAWING IS MADE FROM INFORMATION FOUND IN SD-4C053-01.
76. UNASSIGNED
77. LEADS ARE CALCULATED ON A 100 AMP LOAD. EITHER A 150 AMP FUSE OR A 100 AMP CIRCUIT BREAKER IS THE MINIMUM SIZE PROTECTION REQUIRED FOR EACH POWER FEEDER AT THE -48 VOLT BATTERY PLANT.
78. FOR DISTANCES GREATER THAN 140 FEET FROM THE PD CABINET TO THE TAPE/DISK CABINET, DC FEEDERS SHALL BE KS-5482-01 AND FURNISHED AS FOLLOWS:
141-225 FEET, 8 GAUGE
THE ABOVE GAUGES OF CABLE ARE FOR CABLE RACK FEET LOOP LENGTH. FOR CABLE ASSEMBLY REQUIREMENTS SEE NOTE 62.
80. THE VIDEO TERMINAL, RO PRINTER, TAPE UNITS ETC. COME EQUIPPED WITH AN AC CORD OF VARIOUS LENGTHS. IT IS A USING SYSTEMS RESPONSIBILITY TO PROVIDE THE NECESSARY AC, CONDUIT, RACEWAY MATERIAL TEC. FOR TERMINATING THIS EQUIPMENT. THE NATIONAL ELECTRICAL CODE AND LOCAL BUILDING CODES SHALL BE FOLLOWED.
81. GROUNDING OF PLATFORM AND MOVING HEAD DISK IS THROUGH AC POWER SAFETY GROUND IN ED-4C405-35, 6101-104 DISK POWER CABLES TO INVERTERS IN DISK POWER CABINET.

ED-4C184-12

SDM 11-19-86

SEE PROPRIETARY NOTICE ON SHEET ONE		
AC & DC POWER DISTRIBUTION CIRCUIT		DWG SIZE
		C2
AT&T INFORMATION SYSTEMS INC.		ISSUE
		10
ED-4C184-12		SHEET
		A2

TABLE A NEG 48 VOLT REQUIREMENTS (CONTINUED ON SHEET A4)

CABINET OR UNIT	FLOOR PLAN DESIG	FIG	LOOP VOLT DROP	LEAD DESIG	LEAD SIZE	FUSE SIZE	NUMBER OF FEEDERS	LIST 1,3 CURRENT DRAIN	LIST 2 PEAK CURRENT DRAIN	NUMBER OF GRD FEEDERS	LEAD DESIG	LEAD SIZE	TOTAL CABINET DRAIN	FEEDER CABLE GROUP	TERMINAL TYPE AT PDF	MAX LOOP TO PDF	REMARKS			
PROCESSOR CONTROL CABINET JIC173A-1 (BAY 0)	PCCA-0	1	.75 VOLT	-48A	10	20	1	2	3	1	RTNA	10	LIST 1,3 = 47AMPS	ED-5A079-30,G8	NOTE 62	230	-48C & RTNC ARE SPARE ON CAB & ARE NOT CONNECTED TO PD CAB PORT SW IS LOCATED ON PCC-0 AND POWERED FROM BUS B			
				-48B	10	20	1	4	4	1	RTNB	10	ED-5A079-30,G8	NOTE 62	170					
				-48D	10	20	1	12	14	1	RTND	10	ED-5A079-30,G8	NOTE 62	50					
				-48E	10	20	1	5	6	1	RTNE	10	ED-5A079-30,G8	NOTE 62	116					
				-48F	10	20	1	10	12	1	RTNF	10	ED-5A079-30,G8	NOTE 62	58					
				-48G	10	20	1	6	7	1	RTNG	10	ED-5A079-30,G8	NOTE 62	100					
				-48H	10	20	1	7	8	1	RTNH	10	ED-5A079-30,G8	NOTE 62	88					
							.75 VOLT	-48J	10	20	1	1	1	1	RTNJ	10		ED-5A079-30,G8	NOTE 62	600
			PROCESSOR CONTROL CABINET JIC173A-1 (BAY 1)	PCCA-1	1	.75 VOLT	-48A	10	20	1	2	3	1	RTNA	10	LIST 1,3 = 46AMPS		ED-5A079-30,G8	NOTE 62	230
-48B	10	20					1	4	4	1	RTNB	10	ED-5A079-30,G8	NOTE 62	170					
-48D	10	20					1	12	14	1	RTND	10	ED-5A079-30,G8	NOTE 62	50					
-48E	10	20					1	5	6	1	RTNE	10	ED-5A079-30,G8	NOTE 62	116					
-48F	10	20					1	10	12	1	RTNF	10	ED-5A079-30,G8	NOTE 62	58					
-48G	10	20					1	6	7	1	RTNG	10	ED-5A079-30,G8	NOTE 62	100					
-48H	10	20					1	7	8	1	RTNH	10	ED-5A079-30,G8	NOTE 62	88					
TAPE UNIT CABINET JIC174A-1 1ST CABINET	TUCA	2	.75 VOLT	-48A	10	20	1	4	5	1	RTNA	10	LIST 1,3 = 4 LIST 2 = 5 FULLY EQUIPPED	ED-5A079-30,G8	NOTE 62	140	300VA INVERTER PROVIDES 120VAC, 60HZ, 1 PHASE TAPE IN RUSH CURRENT = 9A AC (150MS) TAPE RUN CURRENT = 3A AC			
DISK POWER CABINET JIC175A	DPC1	3	.75 VOLT	-48A	6	NOTE 70	1	35 (45**)	42 (53)	1	RTNA	6	NOTE 71 LIST 1,3 = 121AMPS LIST 2 = 146AMPS FULLY EQUIPPED	KS-13385,L2,4	NOTE 66	66	INVERTER (DFIC)			
				-48B	10	20	1	2	3	1	RTNB	10	ED-5A079-30,G8	NOTE 62	170	CONT PNL (PCU0)				
				-48C	6	NOTE 70	1	35 (45**)	42 (53)	1	RTNC	6	KS-13385,L2,4	NOTE 66	66	INVERTER (DF12)				
				-48D	10	20	1	2	3	1	RTND	10	ED-5A079-30,G8	NOTE 62	170	CONT PNL (PCU2)				
				-48E	6	NOTE 70	1	35 (45**)	42 (53)	1	RTNE	6	KS-13385,L2,4	NOTE 66	66	INVERTER (DF11)				
				-48F	10	20	1	2	3	1	RTNF	10	ED-5A079-30,G8	NOTE 62	170	CONT PNL (PCU1)				

NA-NOT AVAILABLE

** A NON-OPERATING INVERTER REQUIRES 3 AMPS LIST 1 AND 4 AMPS LIST 2.

SEE PROPRIETARY NOTICE ON SHEET ONE		
AC & DC POWER DISTRIBUTION CIRCUIT	DWG SIZE	ISSUE
	C2	9
AT&T TECHNOLOGIES, INC.	ED-4C184-12	SHEET A3

TABLE A NEG 48 VOLT REQUIREMENTS (CONTINUED FROM SHEET A3)

CABINET OR UNIT	FLOOR PLAN DESIG	FIG	LOOP VOLT DROP	LEAD DESIG	LEAD SIZE	FUSE SIZE	NUMBER OF FEEDERS	LIST 1,3 CURRENT DRAIN	LIST 2 PEAK CURRENT DRAIN	NUMBER OF GRD FEEDERS	LEAD DESIG	LEAD SIZE	TOTAL CABINET DRAIN	FEEDER CABLE GROUP	TERMINAL TYPE AT PDF	MAX LOOP TO PD	REMARKS
TAPE/DISK CABINET JIC192A-1 INITIAL BAY WITH UP TO FOUR DISKS	T/DC	5	.75 VOLT SEE NOTE 79	-48A	10	20	1	4	5	1	RTNA	10	LIST 1,3 = 18AMPS LIST 2 = 20AMPS	ED-5A079-30,68	NOTE 62	140	A BUS
				-48B	10	20	1	4	5	1	RTNB	10		ED-5A079-30,68	NOTE 62	140	B BUS
				-48E	10	20	1	4	5	1	RTNE	10		ED-5A079-30,68	NOTE 62	140	
				-48F	10	20	1	4	5	1	RTNF	10		ED-5A079-30,68	NOTE 62	140	
TAPE/DISK CABINET JIC192A-1 GROWTH BAY WITH UP TO FOUR DISKS	T/DC	6	.75 VOLT SEE NOTE 79	-48A	10	20	1	4	5	1	RTNA	10	LIST 1,3 = 18AMPS LIST 2 = 20AMPS	ED-5A079-30,68	NOTE 62	140	A BUS
				-48B	10	20	1	4	5	1	RTNB	10		ED-5A079-30,68	NOTE 62	140	B BUS
				-48E	10	20	1	4	5	1	RTNE	10		ED-5A079-30,68	NOTE 62	140	
				-48F	10	20	1	4	5	1	RTNF	10		ED-5A079-30,68	NOTE 62	140	
TAPE/DISK CABINET JIC192A-1 GROWTH BAY WITH UP TO EIGHT DISKS	T/DC	7	.75 VOLT SEE NOTE 79	-48A	10	20	1	4	5	1	RTNA	10	LIST 1,3 = 32AMPS LIST 2 = 40AMPS	ED-5A079-30,68	NOTE 62	140	A BUS
				-48B	10	20	1	4	5	1	RTNB	10		ED-5A079-30,68	NOTE 62	140	
				-48C	10	20	1	4	5	1	RTNC	10		ED-5A079-30,68	NOTE 62	140	
				-48D	10	20	1	4	5	1	RTND	10		ED-5A079-30,68	NOTE 62	140	
				-48E	10	20	1	4	5	1	RTNE	10		ED-5A079-30,68	NOTE 62	140	B BUS
				-48F	10	20	1	4	5	1	RTNF	10		ED-5A079-30,68	NOTE 62	140	
				-48G	10	20	1	4	5	1	RTNG	10		ED-5A079-30,68	NOTE 62	140	
				-48H	10	20	1	4	5	1	RTNH	10		ED-5A079-30,68	NOTE 62	140	
PROCESSOR CONTROL CABINET JIC173B-1 BAY 0	PCCA-0	8	.75 VOLT	-48A	10	20	1	2	3	1	RTNA	10	LIST 1,3 = 47AMPS LIST 2 = 55AMPS FULLY EQUIPPED	ED-5A079-30,68	NOTE 62	230	-48C & RTNC ARE SPARE ON CABINET & ARE NOT CONNECTED TO PCFD CABINET (A BUS)
				-48B	10	20	1	4	4	1	RTNB	10		ED-5A079-30,68	NOTE 62	170	
				-48D	10	20	1	12	14	1	RTND	10		ED-5A079-30,68	NOTE 62	50	
				-48E	10	20	1	5	6	1	RTNE	10		ED-5A079-30,68	NOTE 62	116	
				-48F	10	20	1	10	12	1	RTNF	10		ED-5A079-30,68	NOTE 62	58	
				-48G	10	20	1	6	7	1	RTNG	10		ED-5A079-30,68	NOTE 62	100	
				-48H	10	20	1	7	8	1	RTNH	10		ED-5A079-30,68	NOTE 62	88	
-48J	10	20	1	1	1	1	RTNJ	10	ED-5A079-30,68	NOTE 62	600	PORTSWITCH POWERED FROM BUS B					
PROCESSOR CONTROL CABINET JIC173B-1 BAY 1	PCCA-1	8	.75 VOLT	-48A	10	20	1	2	3	1	RTNA	10	LIST 1,3 = 46AMPS LIST 2 = 54AMPS FULLY EQUIPPED	ED-5A079-30,68	NOTE 62	230	-48C & RTNC ARE SPARE ON CABINET & ARE NOT CONNECTED TO PCFD CABINET (B BUS)
				-48B	10	20	1	4	4	1	RTNB	10		ED-5A079-30,68	NOTE 62	170	
				-48D	10	20	1	12	14	1	RTND	10		ED-5A079-30,68	NOTE 62	50	
				-48E	10	20	1	5	6	1	RTNE	10		ED-5A079-30,68	NOTE 62	116	
				-48F	10	20	1	10	12	1	RTNF	10		ED-5A079-30,68	NOTE 62	58	
				-48G	10	20	1	6	7	1	RTNG	10		ED-5A079-30,68	NOTE 62	100	
PERIPHERAL INTERFACE CABINET JIC215A-1	PIC-0	9	.75 VOLT	-48A	10	20	1	6	7	1	RTNA	10	LIST 1,3 = 22AMPS LIST 2 = 27AMPS	ED-5A079-30,68	NOTE 62	100	A BUS
				-48B	10	20	1	1.1	1.4	1	RTNB	10		ED-5A079-30,68	NOTE 62	505	
				-48D	10	20	1	4	5	1	RTND	10		ED-5A079-30,68	NOTE 62	140	
				-48F	10	20	1	1.1	1.4	1	RTNF	10		ED-5A079-30,68	NOTE 62	505	B BUS
				-48G	10	20	1	6	7	1	RTNG	10		ED-5A079-30,68	NOTE 62	100	
				-48H	10	20	1	4	5	1	RTNH	10		ED-5A079-30,68	NOTE 62	140	

ED-4C184-12

SDM 11-19-86

SEE PROPRIETARY NOTICE ON SHEET ONE

AC & DC POWER DISTRIBUTION CIRCUIT		DWG SIZE	ISSUE
		C2	10
AT&T INFORMATION SYSTEMS INC.		ED-4C184-12	SHEET A4

TABLE A NEG 48 VOLT REQUIREMENTS (CONTINUED FROM SHEET A4)

CABINET OR UNIT	FLOOR PLAN DESIG	FIB	LOOP VOLT DROP	LEAD DESIG	LEAD SIZE	FUSE SIZE	NUMBER OF FEEDERS	LIST 1,3 CURRENT DRAIN	LIST 2 PEAK CURRENT DRAIN	NUMBER OF BRD FEEDERS	LEAD DESIG	LEAD SIZE	TOTAL CABINET DRAIN	FEEDER CABLE GROUP	TERMINAL TYPE AT PDF	MAX LOOP TO PD	REMARKS
PERIPHERAL INTERFACE CABINET JIC215B-1	PIC-0	9	.75 VOLT	-48A	10	20	1	6	7	1	RTNA	10	LIST 1,3 = 22AMPS LIST 2 = 27AMPS	ED-5A079-30,88	NOTE 62	100	A BUS B BUS -48C, RTNC, -48E, RTNE ARE SPARE ON CABINET & ARE NOT CONNECTED TO PCFD CABINET
				-48B	10	20	1	1.1	1.4	1	RTNB	10		ED-5A079-30,88	NOTE 62	505	
				-48D	10	20	1	4	5	1	RTND	10		ED-5A079-30,88	NOTE 62	140	
				-48F	10	20	1	1.1	1.4	1	RTNF	10		ED-5A079-30,88	NOTE 62	505	
				-48G	10	20	1	6	7	1	RTNG	10		ED-5A079-30,88	NOTE 62	100	
				-48H	10	20	1	4	5	1	RTNH	10		ED-5A079-30,88	NOTE 62	140	
SCS1 DISK CABINET J3T027A-1 GROWTH OR CONVERSION	SDC1	11	.75 VOLT	-48A	10	20	1	4.8	7.6	1	RTNA	10	LIST 1,3 = 28AMPS LIST 2 = 42AMPS	ED-5A079-30,88	NOTE 62	90	A BUS B BUS CABINET SHOULD BE DESIGNATED "SDC1" HOWEVER IF SMD DRIVES ARE REMOVED DESIGNATE CABINET "SDC0"
				-48C	10	20	1	4.8	7.6	1	RTNC	10		ED-5A079-30,88	NOTE 62	90	
				-48D	10	20	1	4.5	6.0	1	RTND	10		ED-5A079-30,88	NOTE 62	110	
				-48F	10	20	1	4.5	6.0	1	RTNF	10		ED-5A079-30,88	NOTE 62	110	
				-48G	10	20	1	4.8	7.6	1	RTNG	10		ED-5A079-30,88	NOTE 62	90	
				-48J	10	20	1	4.8	7.6	1	RTNJ	10		ED-5A079-30,88	NOTE 62	90	
SCS1 DISK CABINET J3T027A-1 INITIAL SYSTEM	SDC0	10	.75 VOLT	-48A	10	20	1	4.8	7.6	1	RTNA	10	LIST 1,3 = 19AMPS LIST 2 = 30AMPS	ED-5A079-30,88	NOTE 62	90	A BUS B BUS
				-48C	10	20	1	4.8	7.6	1	RTNC	10		ED-5A079-30,88	NOTE 62	90	
				-48G	10	20	1	4.8	7.6	1	RTNG	10		ED-5A079-30,88	NOTE 62	90	
				-48J	10	20	1	4.8	7.6	1	RTNJ	10		ED-5A079-30,88	NOTE 62	90	
PROCESSOR CONTROL CABINET JIC173C-1 DAY 0	PCCA-0	12	.75 VOLT	-48A	10	20	1	2	3	1	RTNA	10	LIST 1,3 = 45.5AMPS LIST 2 = 5AMPS FULLY EQUIPPED	ED-5A079-30,88	NOTE 62	230	-48C & RTNC ARE SPARE ON CABINET & ARE NOT CONNECTED TO PCFD CABINET (A BUS)
				-48B	10	20	1	2.5	3.0	1	RTNB	10		ED-5A079-30,88	NOTE 62	170	
				-48D	10	20	1	12	14	1	RTND	10		ED-5A079-30,88	NOTE 62	50	
				-48E	10	20	1	5	6	1	RTNE	10		ED-5A079-30,88	NOTE 62	116	
				-48F	10	20	1	10	12	1	RTNF	10		ED-5A079-30,88	NOTE 62	58	
				-48G	10	20	1	6	7	1	RTNG	10		ED-5A079-30,88	NOTE 62	100	
				-48H	10	20	1	7	8	1	RTNH	10		ED-5A079-30,88	NOTE 62	88	
				-48J	10	20	1	1	1	1	RTNJ	10		ED-5A079-30,88	NOTE 62	600	
PROCESSOR CONTROL CABINET JIC173C-1 DAY 1	PCCA-1	12	.75 VOLT	-48A	10	20	1	2	3	1	RTNA	10	LIST 1,3 = 45.5AMPS LIST 2 = 53AMPS FULLY EQUIPPED	ED-5A079-30,88	NOTE 62	230	-48C & RTNC ARE SPARE ON CABINET & ARE NOT CONNECTED TO PCFD CABINET (B BUS)
				-48B	10	20	1	2.5	3.0	1	RTNB	10		ED-5A079-30,88	NOTE 62	170	
				-48D	10	20	1	12	14	1	RTND	10		ED-5A079-30,88	NOTE 62	50	
				-48E	10	20	1	5	6	1	RTNE	10		ED-5A079-30,88	NOTE 62	116	
				-48F	10	20	1	10	12	1	RTNF	10		ED-5A079-30,88	NOTE 62	58	
				-48G	10	20	1	6	7	1	RTNG	10		ED-5A079-30,88	NOTE 62	100	
				-48H	10	20	1	7	8	1	RTNH	10		ED-5A079-30,88	NOTE 62	88	
				-48J	10	20	1	1	1	1	RTNJ	10		ED-5A079-30,88	NOTE 62	600	
PERIPHERAL INTERFACE CABINET JIC215C-1	PIC-0	9	.75 VOLT	-48A	10	20	1	6	7	1	RTNA	10	LIST 1,3 = 22AMPS LIST 2 = 27AMPS	ED-5A079-30,88	NOTE 62	100	A BUS B BUS -48C, RTNC, -48E, RTNE ARE SPARE ON CABINET & ARE NOT CONNECTED TO PCFD CABINET
				-48B	10	20	1	1.1	1.4	1	RTNB	10		ED-5A079-30,88	NOTE 62	505	
				-48D	10	20	1	4	5	1	RTND	10		ED-5A079-30,88	NOTE 62	140	
				-48F	10	20	1	1.1	1.4	1	RTNF	10		ED-5A079-30,88	NOTE 62	505	
				-48G	10	20	1	6	7	1	RTNG	10		ED-5A079-30,88	NOTE 62	100	
				-48H	10	20	1	4	5	1	RTNH	10		ED-5A079-30,88	NOTE 62	140	

ED4C184-12

SEE PROPRIETARY NOTICE ON SHEET A1

COPYRIGHT © 1980 AT&T
UNPUBLISHED & NOT FOR PUBLICATION
ALL RIGHTS RESERVED

AC & DC POWER
DISTRIBUTION CIRCUIT

DWG SIZE
C2

ISSUE
11

AT&T

ED4C184-12

SHEET
A5

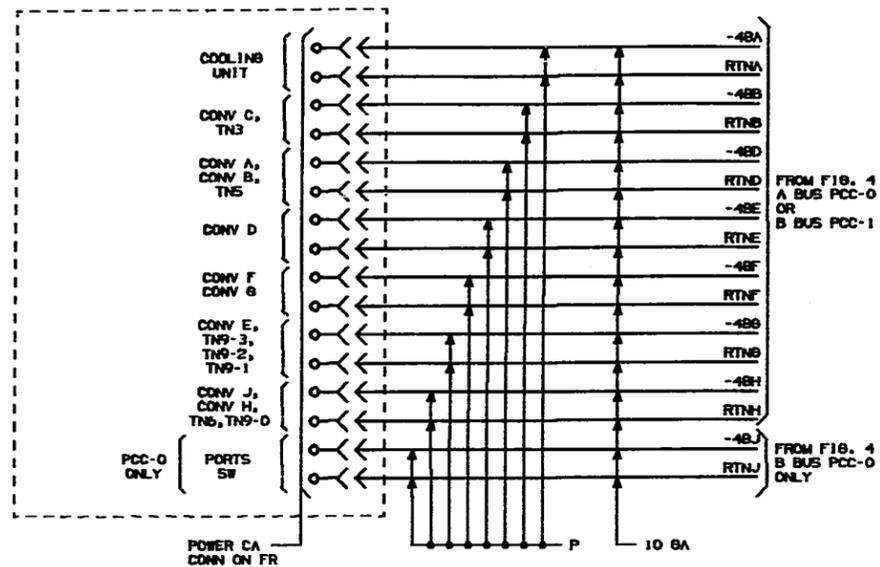


FIG. 1
PROCESSOR CONTROL
CABINET 0 OR 1, J1C173A-1 (38200 MOD 2)

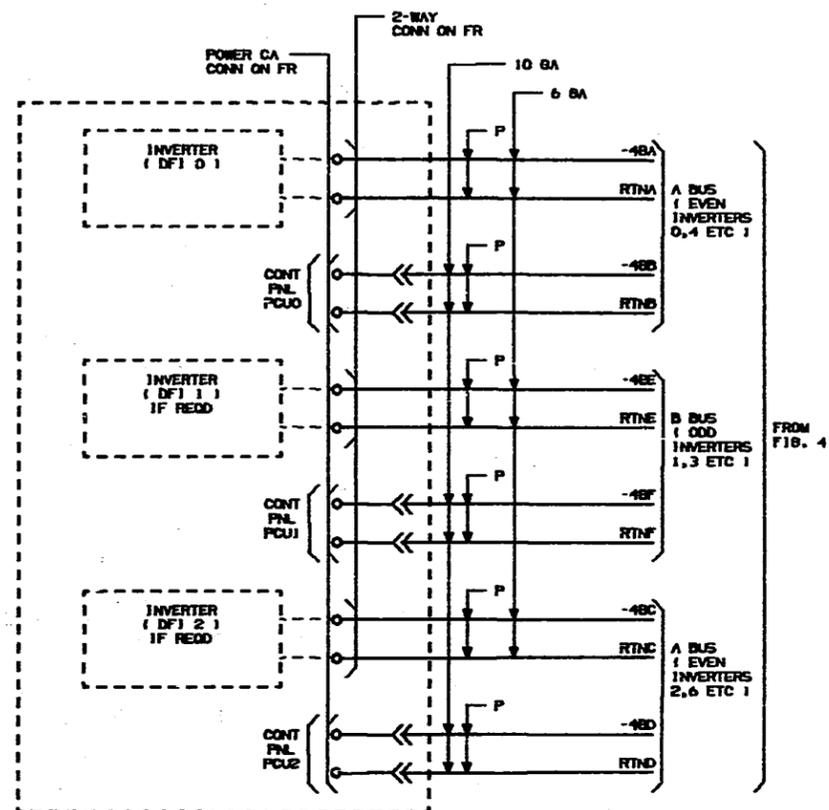


FIG. 3
300 MBYTE DISK POWER CABINET (38200 MOD 2)
J1C175A-1

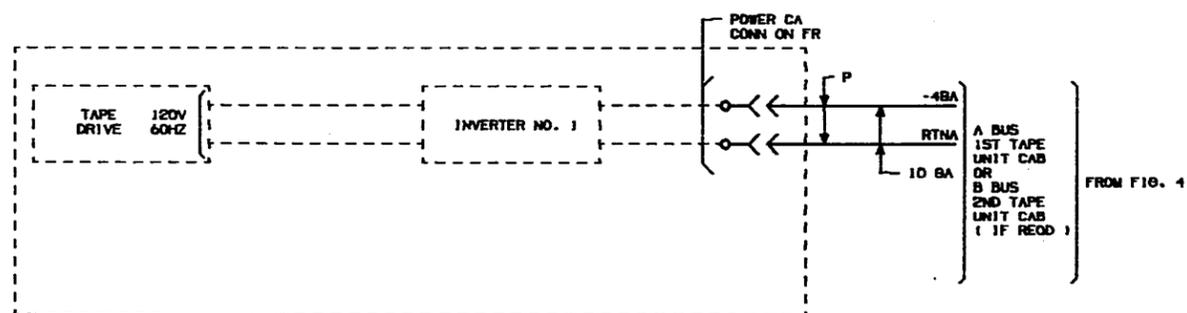


FIG. 2
TAPE UNIT CABINET (38200 MOD 2)
J1C174A-1

SEE PROPRIETARY NOTICE ON SHEET A1

COPYRIGHT © 1990 AT&T
UNPUBLISHED & NOT FOR PUBLICATION
ALL RIGHTS RESERVED

AC & DC POWER
DISTRIBUTION CIRCUIT

DWG SIZE
C2

ISSUE
11

AT&T

ED4C184-12

SHEET
E1

SHEET INDEX	ISSUE																	
	SH NO.																	
	ISSUE	11	11	11														
	SH NO.	E10	E11	E12														
ISSUE	11	9	9	9	9	10	10	11	9									
SH NO.	E1	E2	E3	E4	E5	E6	E7	E8	E9									

ED4C184-12

SEE FIGS. A&B

TO NEAREST GROUND SPLICE PLATE, BUS BAR OF HORIZONTAL EQUALIZER OR MAIN GROUND WINDOW OF USING SYSTEM

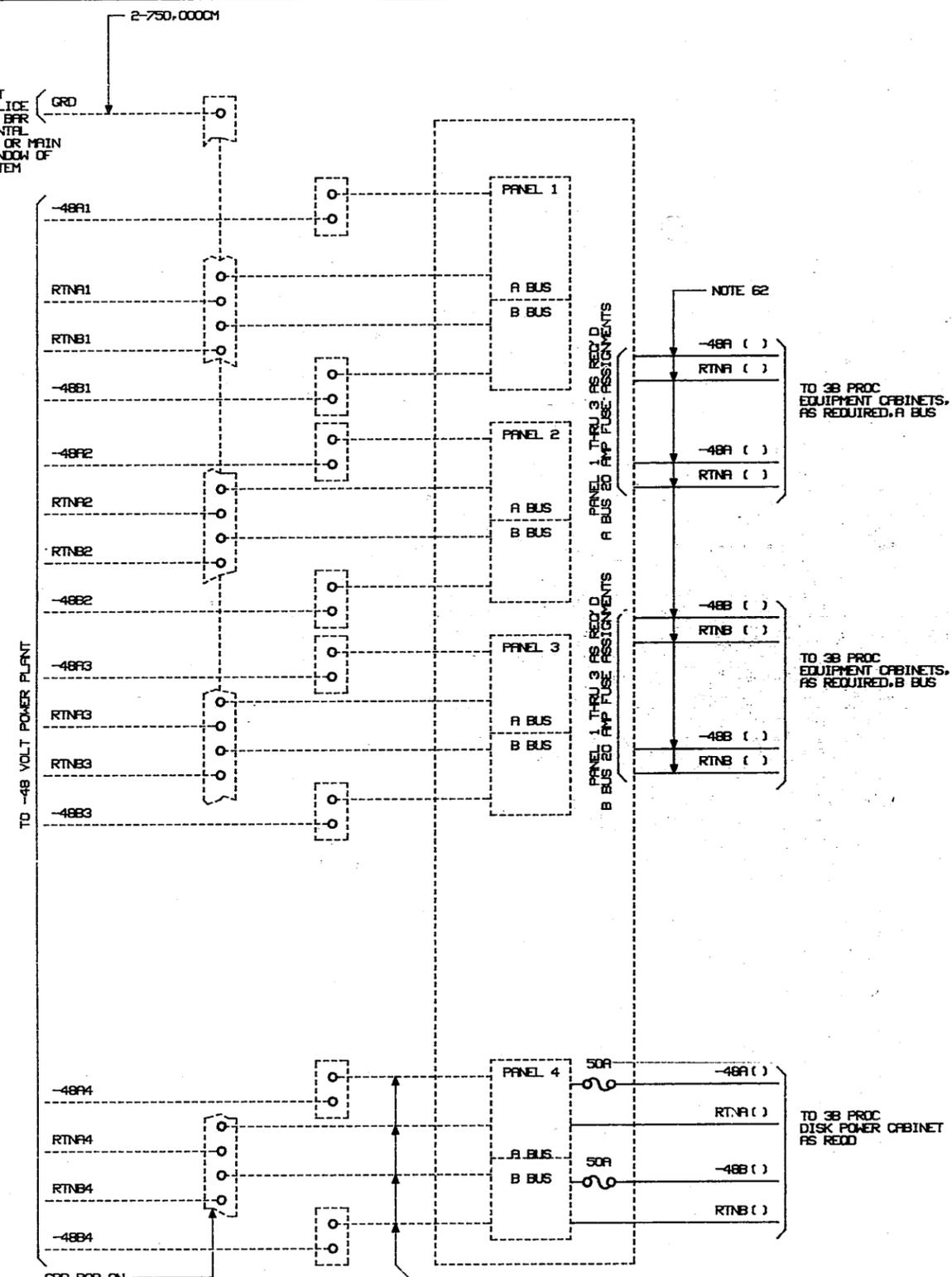


FIG. 4
TYPICAL SESS POWER DISTRIBUTION CABINET J86334D
NOTE: 60, 61, 64, 65
(SEE ED-50073-11 FOR SESS)

ED-4C184-12

SEE PROPRIETARY NOTICE ON SHEET ONE

AC & DC POWER DISTRIBUTION CIRCUIT		DWG SIZE	ISSUE
		C2	9
AT&T TECHNOLOGIES, INC. ED-4C184-12		SHEET E2	

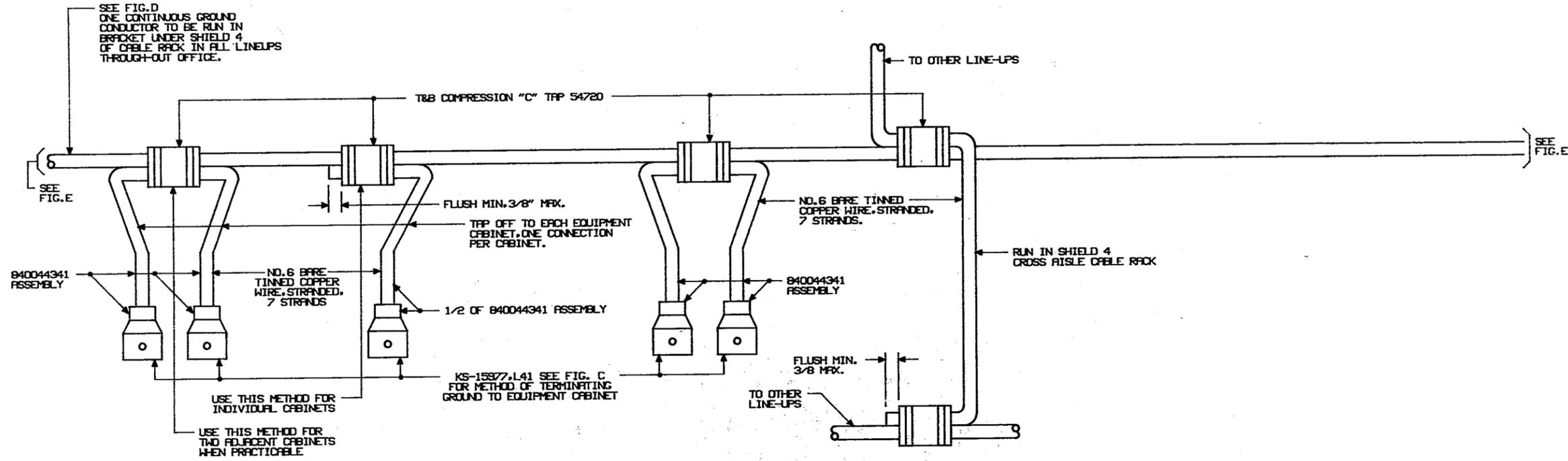


FIG. C
TYPICAL ELECTRICAL GROUND
CONNECTION TO ALL CABINETS

SEE FIG. D
ONE CONTINUOUS GROUND
CONDUCTOR TO BE RUN IN
BRACKET UNDER SHIELD 4
OF CABLE RACK IN ALL LINEUPS
THROUGH-OUT OFFICE.

SEE FIG. E

SEE FIG. E

840044341
ASSEMBLY

NO. 6 BARE
TINNED COPPER
WIRE, STRANDED,
7 STRANDS

FLUSH MIN. 3/8" MAX.
TAP OFF TO EACH EQUIPMENT
CABINET, ONE CONNECTION
PER CABINET.

1/2 OF 840044341 ASSEMBLY

NO. 6 BARE TINNED
COPPER WIRE, STRANDED,
7 STRANDS.

840044341
ASSEMBLY

RUN IN SHIELD 4
CROSS AISLE CABLE RACK

USE THIS METHOD FOR
INDIVIDUAL CABINETS

USE THIS METHOD FOR
TWO ADJACENT CABINETS
WHEN PRACTICABLE

KS-15877, L41 SEE FIG. C
FOR METHOD OF TERMINATING
GROUND TO EQUIPMENT CABINET

FLUSH MIN.
3/8" MAX.

TO OTHER
LINE-UPS

SEE PROPRIETARY NOTICE ON SHEET ONE

AC & DC POWER
DISTRIBUTION CIRCUIT

DWG SIZE	ISSUE
C2	9

AT&T TECHNOLOGIES, INC.

ED-4C184-12

SHEET
E3

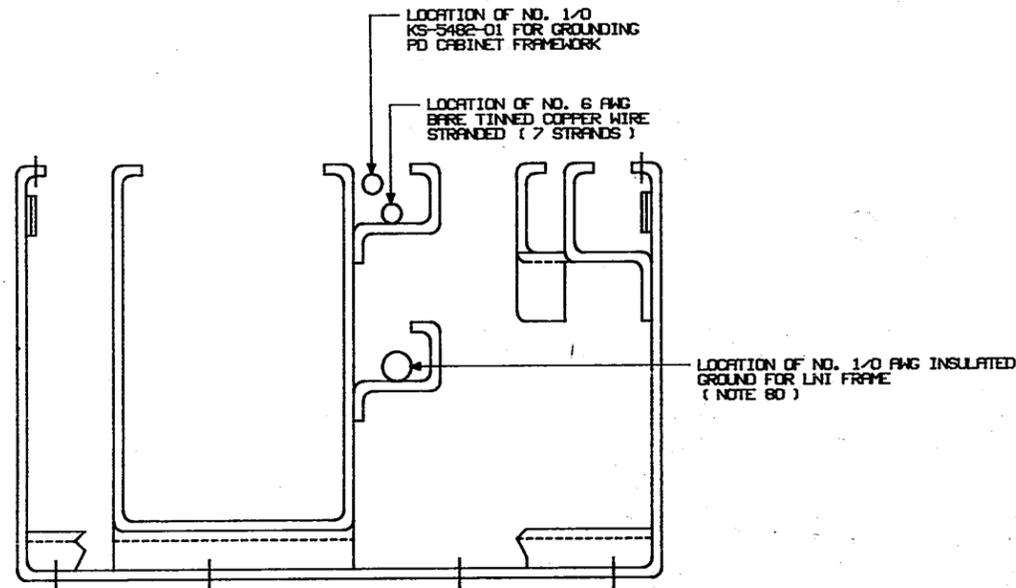


FIG. D
END VIEW OF LINE-UP CABLE RACK
SHOWING LOCATION OF GROUND WIRES

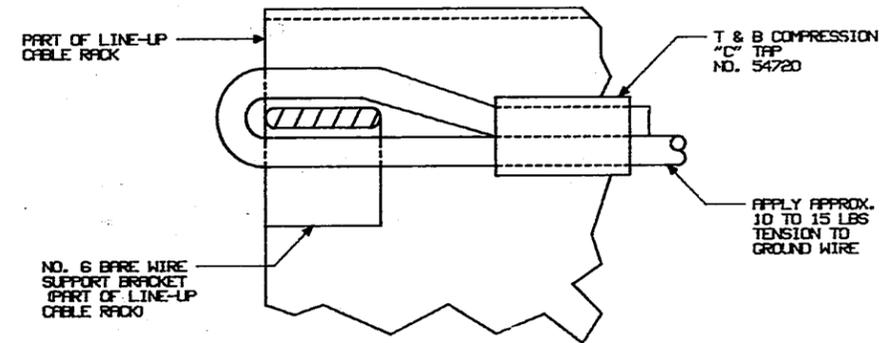


FIG. E
TYPICAL METHOD OF SECURING GROUND
CABLE TO CABLE RACK, SAME FOR EITHER
END OF LINE-UP. (LEFT REAR CONNECTION SHOWN)

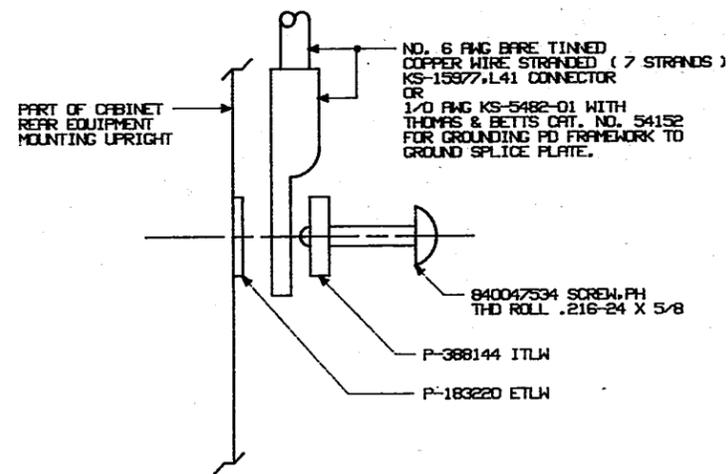


FIG. F
METHOD OF ATTACHING CABINET
GROUND CONDUCTOR TO CABINET
UPRIGHT (SEE NOTES 73 & FIG. G)

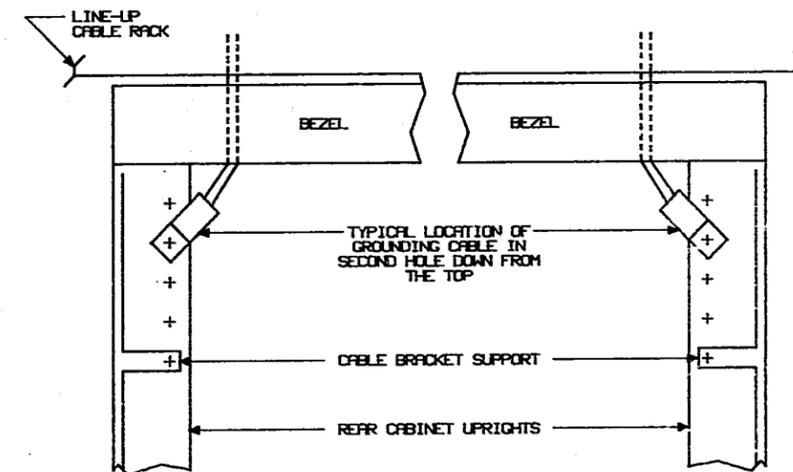
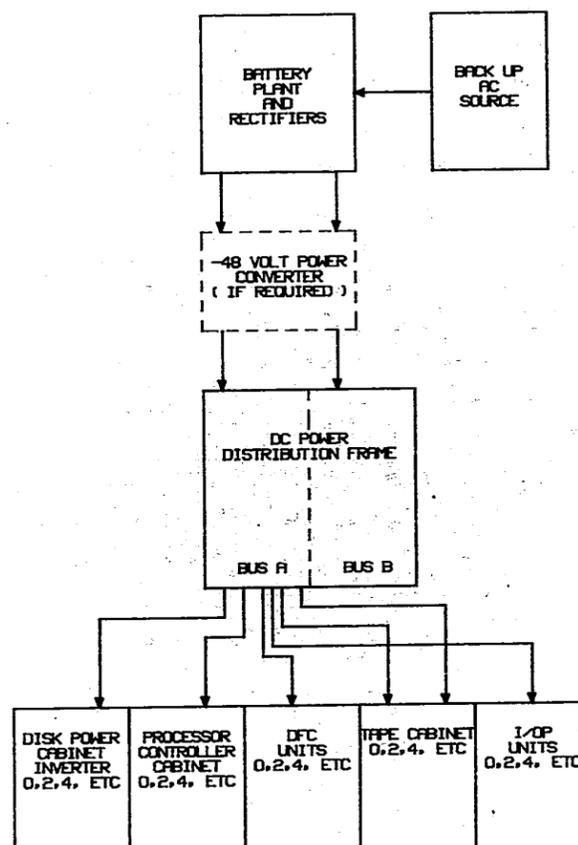


FIG. G
TYPICAL LOCATION OF CABINET
GROUND BONDS
(SEE FIG. C, D, E & NOTE 73)

SEE PROPRIETARY NOTICE ON SHEET ONE		
AC & DC POWER DISTRIBUTION CIRCUIT	DWG SIZE	ISSUE
	C2	9
AT&T TECHNOLOGIES, INC.	ED-4C184-12	SHEET E4



DC BUS A POWERS EVEN NUMBERED UNITS
 DC BUS B POWERS ODD NUMBERED UNITS

FIG. 1
 TYPICAL DC POWER DISTRIBUTION SYSTEM

SEE PROPRIETARY NOTICE ON SHEET ONE		
AC & DC POWER DISTRIBUTION CIRCUIT	DWG SIZE	ISSUE
	02	9
AT&T TECHNOLOGIES, INC.	ED-4C184-12	SHEET 05

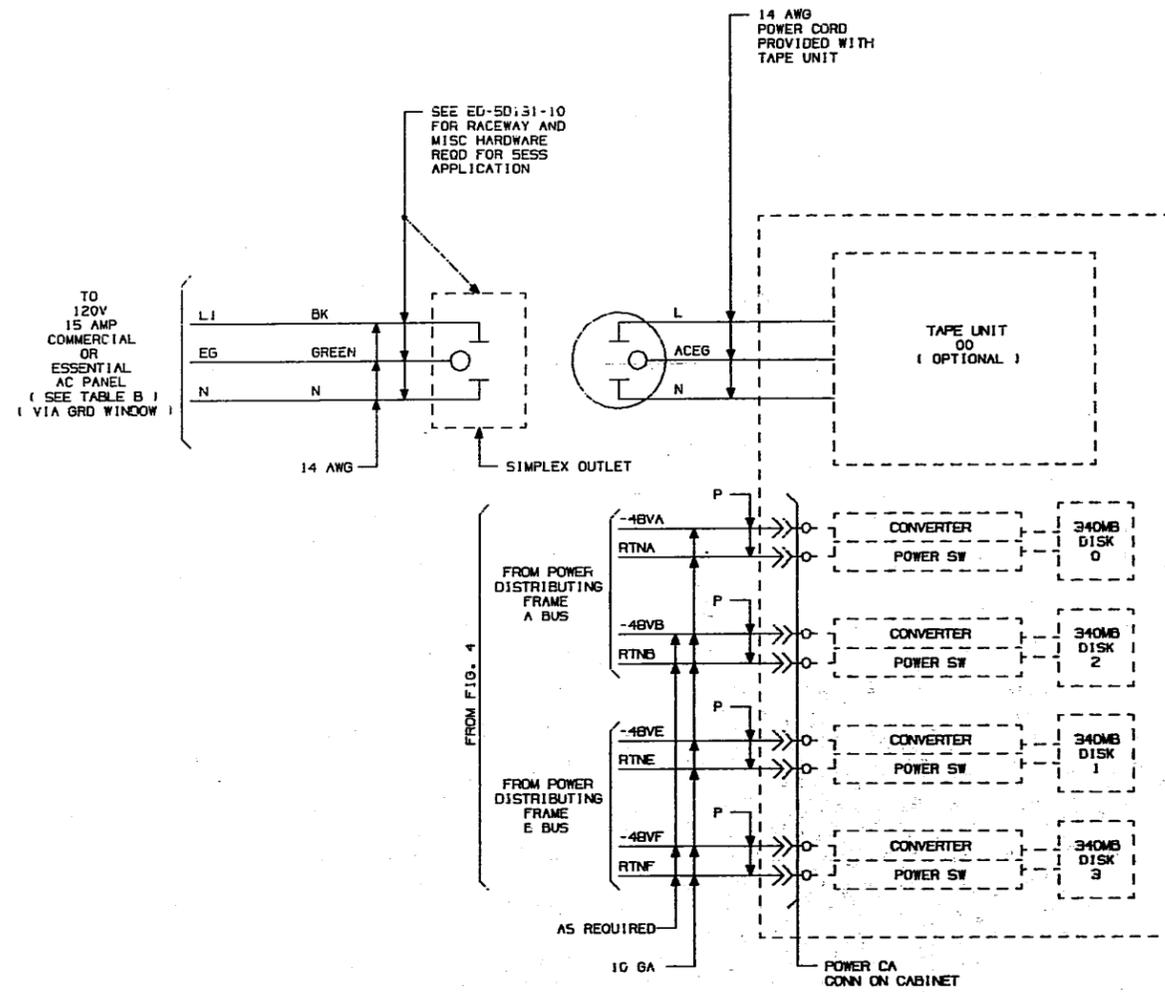


FIG. 5
INITIAL TAPE/DISK CABINET
PER J1C182A-1 FOR ONE
TAPE UNIT AND UP TO
FOUR 340MB DISKS
(NOTE B0)
(3820D MOD 2 & 3)

SEE PROPRIETARY NOTICE ON SHEET ONE			
AC & DC POWER DISTRIBUTION CIRCUIT		DWG SIZE	ISSUE
		c2	10
AT&T INFORMATION SYSTEMS INC.	ED-4C184-12	SHEET E6	

ED-4C184-12

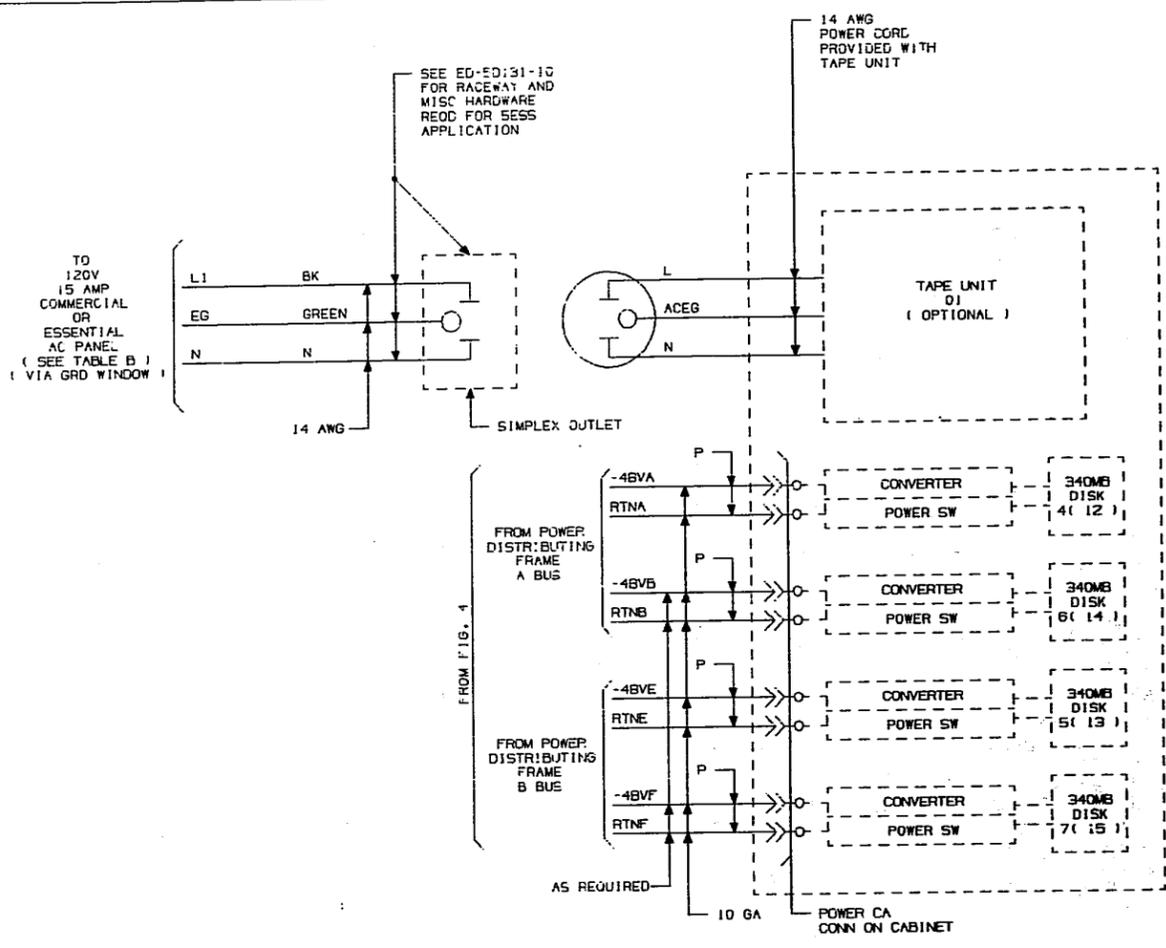


FIG. 6
GROWTH TAPE/DISK CABINET
PER J1C192A-1 FOR SECOND
TAPE UNIT AND UP TO
FOUR 340MB DISKS
(NOTE 80)
(3820D MOD 2 & 3)

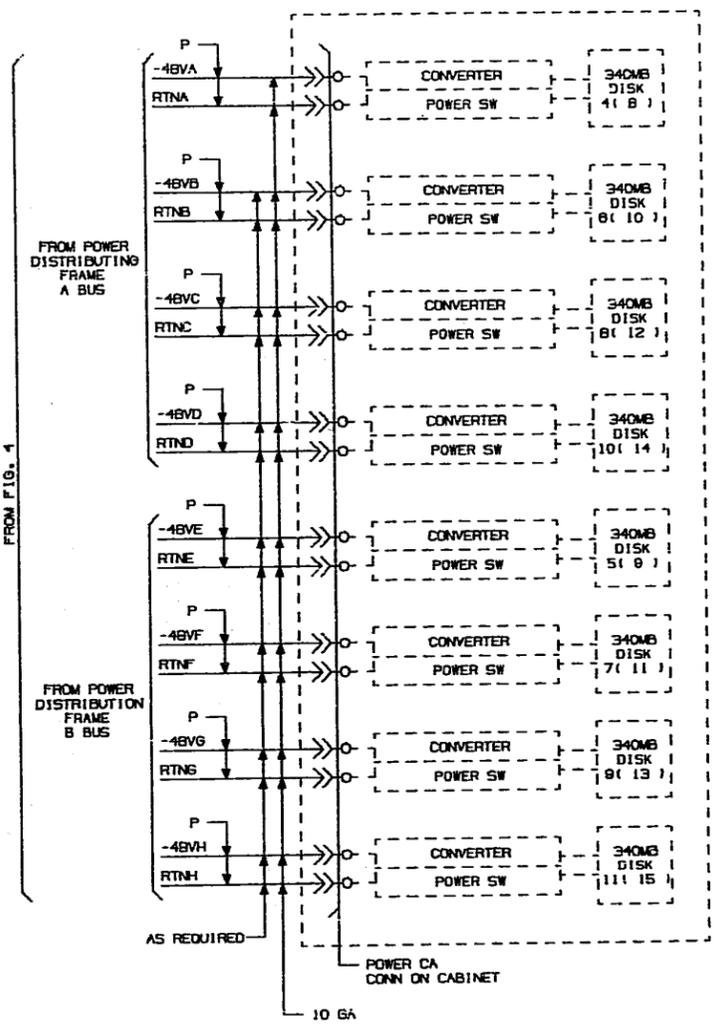


FIG. 7
GROWTH TAPE/DISK CABINET
PER J1C192A-1 FOR
UP TO EIGHT 340MB DISKS
(3820D MOD 3)

ED-4C184-12

SDM 11-12-86

SEE PROPRIETARY NOTICE ON SHEET ONE		
AC & DC POWER DISTRIBUTION CIRCUIT	DWG SIZE	ISSUE
	C2	10
AT&T INFORMATION SYSTEMS INC.	ED-4C184-12	SHEET E7

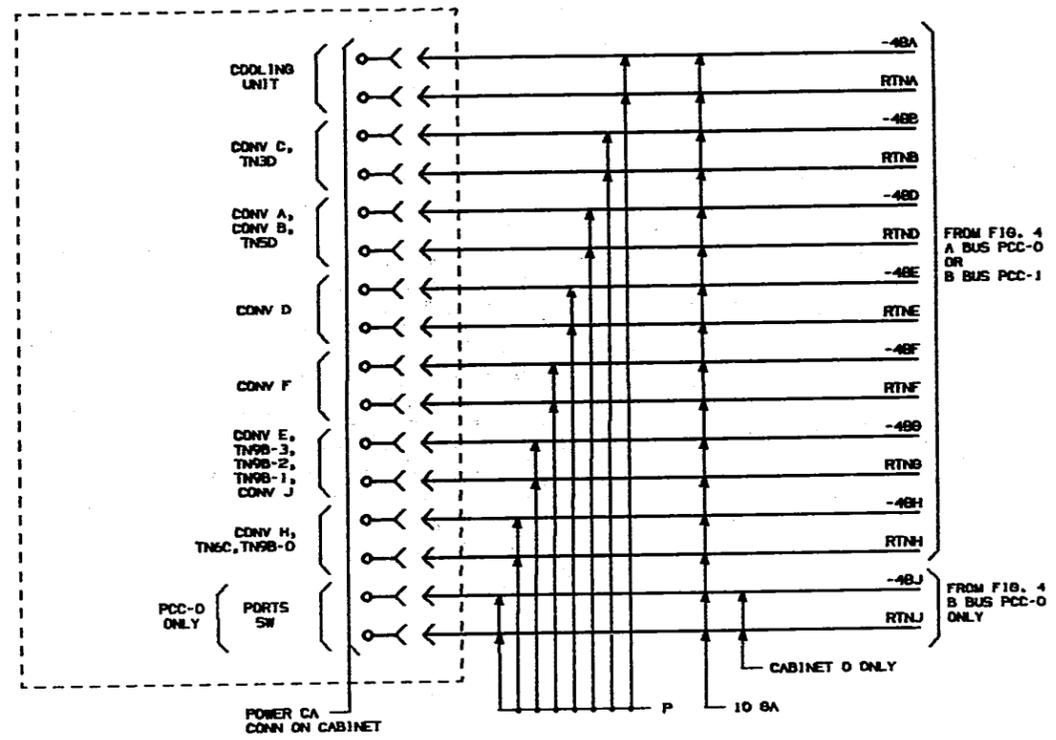


FIG. 8
 PROCESSOR CONTROL
 CABINET 0 OR 1
 J1C173B-1
 (3B200 MOD 3)

SEE PROPRIETARY NOTICE ON SHEET A1		
COPYRIGHT © 1980 AT&T UNPUBLISHED & NOT FOR PUBLICATION ALL RIGHTS RESERVED		
AC & DC POWER DISTRIBUTION CIRCUIT	DWG SIZE	ISSUE
	C2	11
AT&T	ED4C184-12	SHEET E8

ED4C184-12

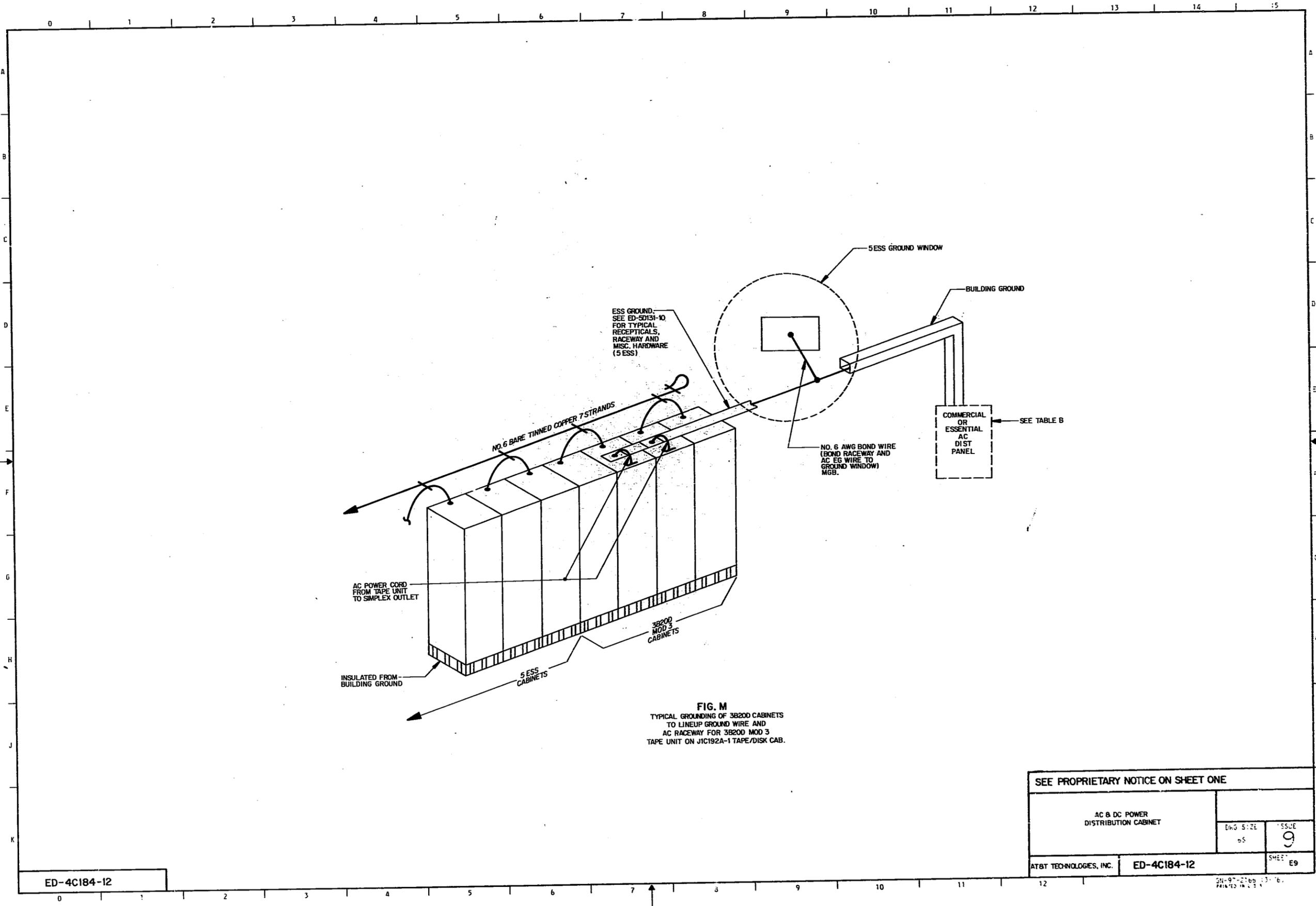
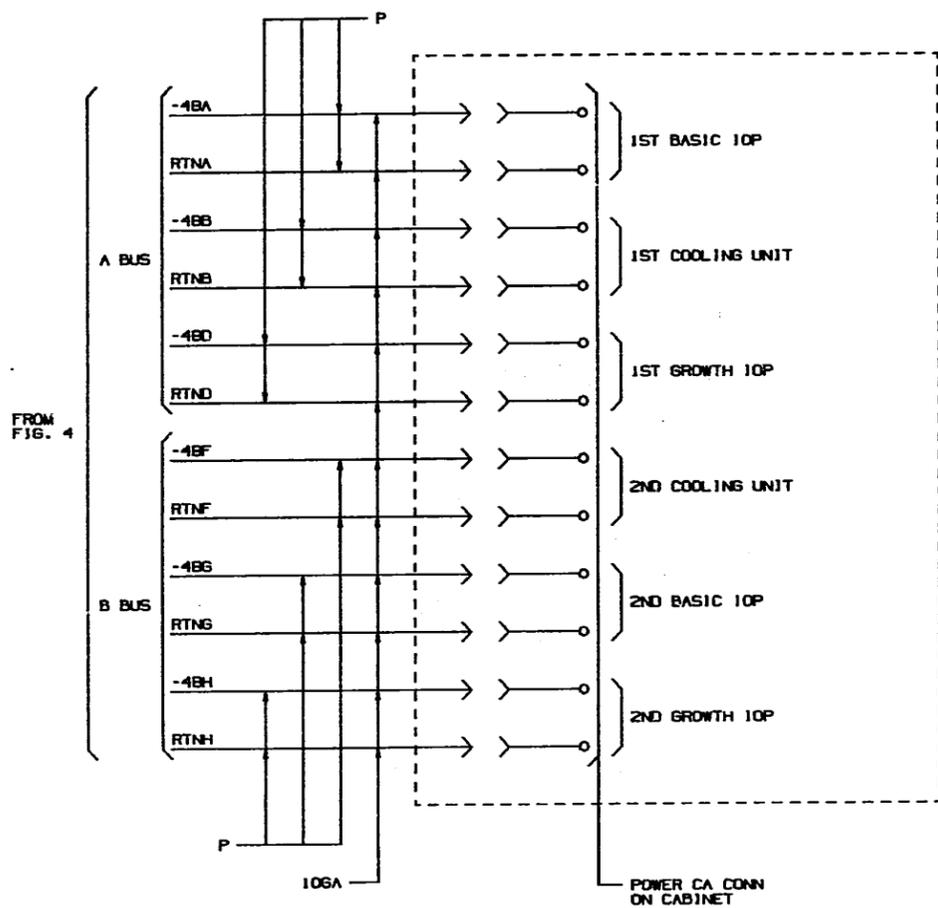


FIG. M
 TYPICAL GROUNDING OF 3820D CABINETS
 TO LINEUP GROUND WIRE AND
 AC RACEWAY FOR 3820D MOD 3
 TAPE UNIT ON J1C192A-1 TAPE/DISK CAB.

SEE PROPRIETARY NOTICE ON SHEET ONE		
AC & DC POWER DISTRIBUTION CABINET	DWG. SIZE	ISSUE
	65	9
AT&T TECHNOLOGIES, INC.	ED-4C184-12	SHEET E9

ED-4C184-12

31-97-2169 1316
 PRINTED IN U.S.A.



FROM FIG. 4

FIG. 9
 PERIPHERAL INTERFACE
 CABINET 0
 J1C215A-1 (3B200 MOD 3)
 J1C215B-1 (3B200 MOD 2 & 3)
 J1C215C-1 (3B200 MOD 3 SCSI)

SEE PROPRIETARY NOTICE ON SHEET A1		
COPYRIGHT © 1990 AT&T UNPUBLISHED & NOT FOR PUBLICATION ALL RIGHTS RESERVED		
AC & DC POWER DISTRIBUTION CIRCUIT	DWG SIZE	ISSUE
	C2	11
AT&T	ED4C1B4-12	SHEET E10

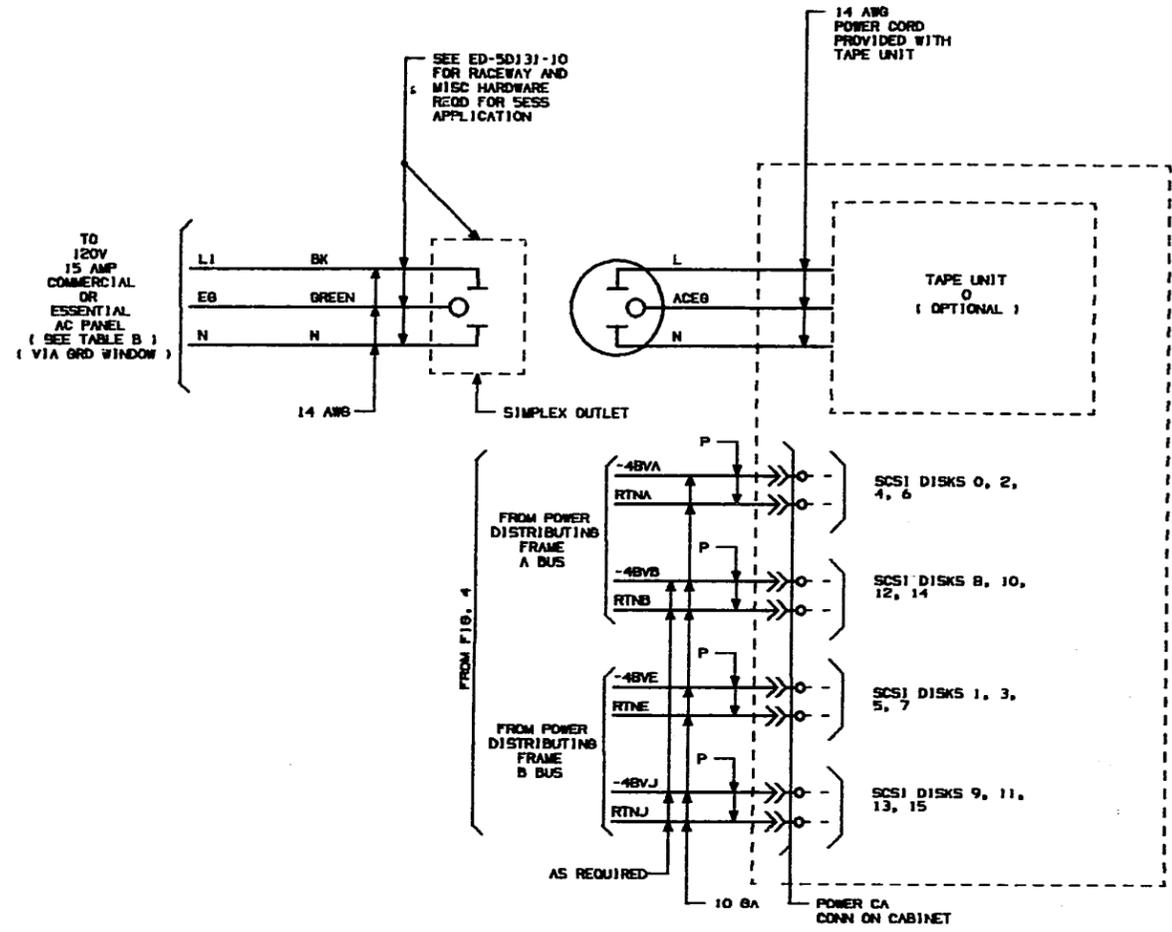


FIG. 10
INITIAL SCSI DISK CABINET
PER J1027A-1
ARRANGED FOR ONE TAPE UNIT
AND A MAXIMUM OF 16 DISKS

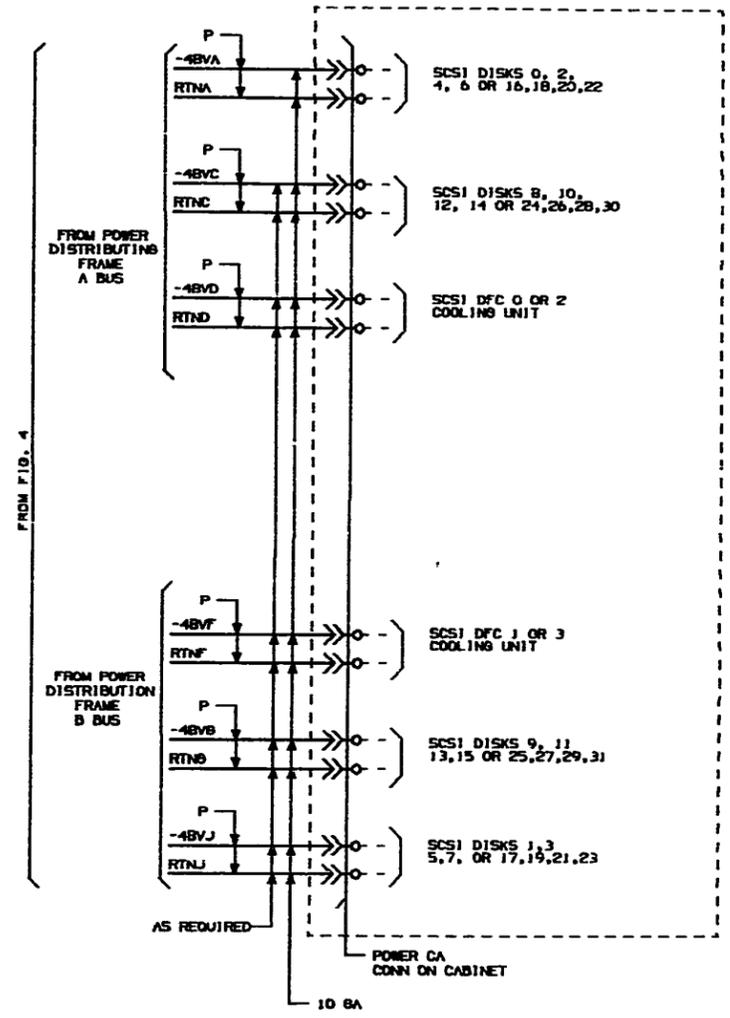


FIG. 11
GROWTH/CONVERSION
SCSI DISK CABINET
PER J1027A-1 ARRANGED
FOR A MAXIMUM OF 16 DISKS

ED4C184-12

SEE PROPRIETARY NOTICE ON SHEET A1		
COPYRIGHT © 1990 AT&T UNPUBLISHED & NOT FOR PUBLICATION ALL RIGHTS RESERVED		
AC & DC POWER DISTRIBUTION CIRCUIT		DWG SIZE C2
		ISSUE 11
AT&T	ED4C184-12	SHEET E11

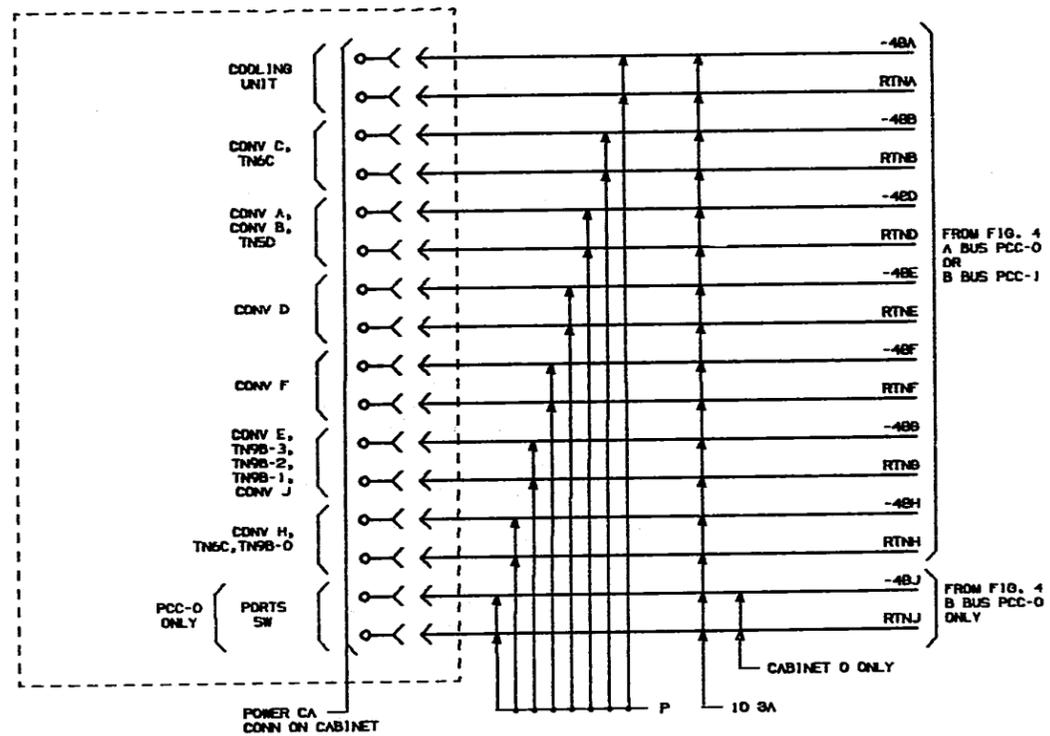


FIG. 12
 PROCESSOR CONTROL
 CABINET 0 OR J
 JIC173C-1
 (38200 MOD 3 SCS1)

SEE PROPRIETARY NOTICE ON SHEET A1		
COPYRIGHT © 1990 AT&T UNPUBLISHED & NOT FOR PUBLICATION ALL RIGHTS RESERVED		
AC & DC POWER DISTRIBUTION CIRCUIT	DWG SIZE	ISSUE
	C2	11
AT&T	ED4C184-12	SHEET E12

ED4C184-12