

ENGINEERING NOTES

***** CONTINUED *****
 MADE TO ENSURE INTEGRITY.

56. TO CONFIGURE THE 3811 MODEM FOR MML/UNM.

1. GO INTO THE "CONFIGURE" MODE
2. SELECT "FACTORY"
3. SELECT "SYNC_LEASED"
4. SELECT "ORIGNATE" (NOTE:MODEM ON REMOTE END MUST BE SET TO "ANSWER")
5. SAVE THE NEW SETTINGS.

57. TO CONFIGURE THE 3811 MODEM FOR REMOTE CONSOLE AND RMI.

1. GO INTO THE "CONFIGURE" MODE
2. SELECT "FACTORY"
3. SELECT "SYNC_LEASED"
4. SELECT "ORIGNATE" (NOTE:MODEM ON REMOTE END MUST BE SET TO "ANSWER")
5. SELECT "EDIT"
6. IN THE DTE INTERFACE MENU:
 FOR ASYNC/SYNC MODE - SELECT "ASYNC"
 FOR ASYNC DTE RATE - SELECT "9600"
 FOR RTS ACTION - SELECT "IGNORE"
7. IN THE LEASED LINE MENU:
 FOR LEASED LINE RATE - SELECT "9600(V32B)"
8. SAVE THE NEW SETTINGS.

58. TO CONFIGURE THE 3811 MODE FOR ESA CUSTOMER SUPPORT AND ALI/DMS.

1. GO INTO THE "CONFIGURE" MODE
2. SELECT "FACTORY"
3. SELECT "ASYNC_DIAL"
4. SELECT "EDIT"
5. IN THE DTE INTERFACE MENU:
 FOR ASYNC/SYNC MODE - SELECT "ASYNC"
 FOR ASYNC DTE RATE - SELECT "9600"
 FOR DTR ACTION - SELECT "STNDRD_RS232"
 FOR DSR CONTROL - SELECT "STNDRD_RS232"
6. IN THE DTE DIALER MENU:
 FOR RESULT CODES - SELECT "ENABLE IN ORIG"
7. IN THE LINE DIALER MENU:
 FOR LONG SPACE DISC - SELECT "DISABLE"
8. IN THE DIAL LINE MENU:
 FOR DIAL LINE RATE - SELECT "9600(V32B)"
9. IN THE V42/MNP/BUFFER MENU:
 FOR ERR CONTROL MODE - SELECT "BUFFER MODE"
 FOR FLOW CONTROL - SELECT "XON/XOFF"

----- CONTINUED ON NEXT SHEET -----

ENGINEERING NOTES

51. INFORMATION FURNISHED PER THIS DRAWING IS IN ACCORDANCE WITH AT&T PRACTICES-NONE.

52. THIS DOCUMENT CONTAINS COMPLETE ENGINEERING INFORMATION FOR THE SUBJECT EQUIPMENT. JOB INFORMATION SHALL BE RECORDED BY LIST OR GROUP.

53. IN TABLE A, DESCRIPTION FIELD INFORMATION ENCLOSED IN < > IS FOR REPORT PURPOSES ONLY.

54. DOLLAR SIGNS (\$) IN FRONT OF AND BEHIND WORDS, SENTENCES, PARAGRAPHS AND/OR CHARACTERS INDICATE HORIZONTALLY LINED OUT INFORMATION.

55. EARTHQUAKE PROTECTION HARDWARE MOUNTING PROCEDURES.

1. CUT WITH SNIPS (406494963) THE BANDING STRAP (406494891) TO THE DESIRED LENGTH BY ADDING THE PEIPHERAL EQUIPMENT CIRCUMPERENCE PLUS 0.5 INCHES. EXAMPLE=1 UNIT IS 30 INCHES PLUS 3.53= 33.5 INCHES TOTAL; 2 UNITS ARE 38 INCHES PLUS 3.5 = 41.5 INCHES TOTAL, ETC.
2. SLIP THE LARGE END OF THE CLOSURE (406495002) ONTO ONE END OF THE STRAP, BEND OVER .5 INCHES OF STRAP INTO A TIGHT FOLD PREVENTING CLOSURE FROM LEAVING THE STRAP (SEE SK. D).
3. THREAD THE STRAP UNDER THE STRAP BRACKETS PROVIDED ON THE MOUNTING SHELF ASSEMBLY AND AROUND THE EQUIPMENT AS SHOWN IN FIG. 10 WITH THE ROUND SIDE OF THE CLOSURE AWAY FROM THE EQUIPMENT.
4. SLIP 13 INCHES OF SLEEVING (406494971) ONTO THE STRAP WITH THE SLEEVING SLOT AWAY FROM THE EQUIPMENT, POSITION THE SLEEVING ON THE STRAP SO 3 INCHES OF STRAPPING IS EXPOSED AT THE TAIL END (SEE SK. E).
5. FIG. 10 SHOWS DRESS OF 4 STRAPS (FRONT 2 ARE VISIBLE) REQUIRED TO SECURE 2 STACKS OF PERIPHERAL UNITS. STRAPS MOUNTED ON LEFT SIDE TIGHTEN TO THE LEFT. STRAPS MOUNTED ON THE RIGHT TIGHTEN TO THE RIGHT.
6. ALIGN EQUIPMENT PER FIG. 10.
7. INSERT TAIL END OF STRAP INTO CLOSURE (SEE SK. F) AND POSITION SLEEVED STRAP CENTERED OVER TOP OF THE EQUIPMENT (SEE FIG. 10).
8. PULL TAIL OF STRAP UNTIL STRAP IS FINGER TIGHT, REALIGN EQUIPMENT POSITION.
9. PERFORM STEPS 1 THRU 8 FOR THE SECOND STRAP OF THE SAME EQUIPMENT STACK.
10. INSERT INSTALATIONLATION TOOL (406494971) ONTO THE TAIL END OF STRAP (90 DEGREES TO STRAP) AND SLOWLY WRAP (TWIST) THE STRAP TOWARD THE EQUIPMENT INTO A COIL. CAUTION! DO NOT OVERTIGHTEN. THE CLOSURE IS A SELF-LOCKING TIE WHICH CAN ALWAYS BE RETIGHTENED, BUT ONLY RELEASED BY CUTTING THE STRAP. TIGHTEN JUST SUFFICIENTLY TO PREVENT MOVEMENT.
11. PERFORM STEP 9 FOR THE SECOND STRAP OF THE SAME EQUIPMENT STACK.
12. PERIODIC INSPECTION AND MAINTENANCE OF THE STRAPS SHALL BE ----- CONTINUED TO THE LEFT -----

ISSUE NOTES

ORIG ISS: 05/04/92 CHANGE CLASS:

DRAFT: PEW	ENGR: PEW	SUPV: EJZ	CERTIFIED: 05/04/92	ISSUE: 1
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EXTENSIVE CHANGES MADE PER PDI 4, SD5D503-01.

ORIG ISS: 05/04/92 CHANGE CLASS: B

DRAFT: PEW	ENGR: PEW	SUPV: PK	CERTIFIED: 07/21/92	ISSUE: 2
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(C44511) IN TABLE A DA'ED GROUP 5, ADDED GROUP 5A. IN STOCKLIST ADDED ITEM 2012, MODIFIED ITEM 2011. (PTCHG) MODIFIED ITEM 9710.

ORIG ISS: 05/04/92 CHANGE CLASS: AU

DRAFT: JAP	ENGR: JAP	SUPV: PK	CERTIFIED: 04/12/94	ISSUE: 3
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IN TABLE A, ALL LISTS RATED "DA" IN RATING FIELD. GRAPHIC SHEETS REFORMATTED FOR LUCENT FORMAT.

ORIG ISS: 05/04/92 CHANGE CLASS: ME

DRAFT: RLW	ENGR: PL	SUPV: RMB	CERTIFIED: 01/06/99	ISSUE: 4
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SHEET INDEX

SHT NBR	A1 THRU A3											ISSUE 4										
ISSUE	D1 THRU D4											ISSUE 4										
SHT NBR	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11
ISSUE	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
SHT NBR																						
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5ESS* SWITCHING EQUIPMENT
 SPECIFICATION FOR
 ENHANCED 911 SERVICE ADJUNCT
 (ESA)

BT13	
DWG SIZE C2	ISSUE 4

TABLE A-FEATURES											
EQUIPMENT		RAT- ING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA					SD EQUIVALENT		
DESCRIPTION	REF NOTE			QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
CABINET ASSEMBLY FOR ONE ENHANCED 911 SERVICE ADJUNCT (ESA) WHEN ESA IS REQUIRED IN A CENTRAL OFFICE. PROVIDES ONE FAN UNIT. <5E7 OR LATER> DA EFF:12/30/98 FE/RA:NONE		DA	1	1	ED5D729-30	1			SD5D503-01	(1)	
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1,9 TO PROVIDE FOR ONE ESA TO API LINK CONNECTION. DA EFF:09/05/97 FE/RA:NONE		DA	2	1	ED5D729-30	2			SD5D503-01	(1)	
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1,9 TO PROVIDE ALARMING AND REMOTE COMMUNICATIONS TO AND FROM THE ESA PROCESSOR. DA EFF:11/15/96 FE/RA:NONE	56 57 58	DA	3	1	ED5D729-30	3			SD5D503-01	2	
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE ESA CENTRAL OFFICE PROCESSOR. DA EFF:12/30/98 FE/RA:NONE		DA	4	1	ED5D729-30	4			SD5D503-01	3	
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE PROTECTED AC POWER. DA EFF:04/12/94 FE:ED5D729-30,G5A		DA	5	1	ED5D729-30	5			SD5D503-01	4	
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE AC POWER. PROVIDES ONE 1KVA INVERTER WITH OVER VOLTAGE PROTECTION. REPL:ED5D729-30,G5 DA EFF:10/31/97 FE/RA:NONE		DA	5A	1	ED5D729-30	5			SD5D503-01	4	
EQUIPMENT REQUIRED IN ADDITION TO GROUP 3 TO PROVIDE ADDITIONAL 577 PRINTER RIBBONS AND 9 TRACK TAPE CARTRIDGES. DA EFF:12/30/98 FE/RA:NONE		DA	6								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE THE INSTALLATION TEAM WITH THE TOOLS NEEDED TO SECURE PERIPHERAL EQUIPMENT TO THE SHELVING. DA EFF:12/30/98 FE/RA:NONE	18 55	DA	7								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 3 TO PROVIDE THE MEANS OF WORKING OVER THE ESA TO ARU CABLE. DA EFF:12/30/98 FE/RA:NONE		DA	8								
CABINET ASSEMBLY FOR ONE ENHANCED 911 SERVICE ADJUNCT (ESA) WHEN ESA IS REQUIRED IN A NON-CENTRAL OFFICE ENVIRONMENT. <5E7 OR LATER> DA EFF:11/15/96 FE/RA:NONE		DA	9								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 9 TO PROVIDE NT1U-200 FOR ONE ESA TO API LINK CONNECTION FOR NON-CENTRAL OFFICE APPLICATIONS. DA EFF:11/03/96 FE/RA:NONE		DA	10								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 9 TO PROVIDE ESA COMMERCIAL PROCESSOR. DA EFF:12/31/96 FE/RA:NONE		DA	11								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1,9 TO PROVIDE MODEMS FOR REMOTE COMMUNICATIONS. DA EFF:11/15/96 FE/RA:NONE		DA	12								

TABLE-A CONTINUED

ED5D729-30

ENGINEERING NOTES

***** CONTINUED *****

FOR XON/XOFF PSTHRU - SELECT "ENABLE"

10. IN THE TESTS MENU:
FOR RCV REMOTE LOOP - SELECT "DISABLE"

11. SAVE THE NEW SETTINGS.

59. FOR APPLICATION WITH MORE THAN 4 AND UP TO 6 SWITCHES ORDER 1 ADDITIONAL CONTROLLER.

60. BRACKETS TO BE ORDERED WHEN ORDERING CABINET. MOUNTING BRACKETS ARE CUT TO SIZE AND INSTALLED AT THE FACTORY.

61. THE BOTTOM SHELF MUST BE LOCATED A MINIMUM OF 3 INCHES FROM THE BOTTOM TO ALLOW ACCESS TO THE BOTTOM CABLE ENTRY. WHEN ARRANGING SHELVES THE 1 INCH THICKNESS OF THE SHELVES MUST BE CONSIDERED.

62. IF CONFIGURATION IS TO MIGRATE TO MULTI-SWITCH, ORDER 1 GIGABYTE FACTORY DISK DRIVE ON ORIGINAL ORDER.

63. FOR COMMERCIAL OFFICE APPLICATIONS, TO UPGRADE TO MULTI-SWITCH CONFIGURATION ALL OPERATING SYSTEM AND COMMUNICATIONS SOFTWARE MUST BE CHANGED TO UNIX SYSTEM 5 RELEASE 4 COMPATIBLE SOFTWARE. ADDITIONAL API LINKS (2) PER SWITCH MUST BE ORDERED. (2) ADDITIONAL 7B-DII'S, NT1U-200 NETWORK TERMINATORS, AND 353A POWER SUPPLIES MUST BE ORDERED ALONG WITH THE APPROPRIATE CABLING PER SWITCH. FOR A MORE THAN (4) SWITCH CONFIGURATION (2) ADDITIONAL 4 PORT SYNC CONTROLLED BOARDS MUST BE ORDERED.

151. RECOMMENDED SPARE PARTS THE CUSTOMER SHOULD HAVE AVAILABLE FOR CENTRAL OFFICE AND NON-CENTRAL OFFICE APPLICATIONS.

152. ADDITIONAL RECOMMENDED SPARE PARTS THE CUSTOMER SHOULD HAVE AVAILABLE FOR CENTRAL OFFICE APPLICATIONS.

153. ADDITIONAL RECOMMENDED SPARE PARTS THE CUSTOMER SHOULD HAVE AVAILABLE FOR NON-CENTRAL OFFICE APPLICATIONS.

154. SPARE PARTS THAT SHOULD BE CONSIDERED FOR CENTRAL AND NON-CENTRAL OFFICE APPLICATIONS.

155. ADDITIONAL SPARE PARTS THAT SHOULD BE CONSIDERED FOR CENTRAL OFFICE APPLICATIONS.

156. ADDITIONAL SPARE PARTS THAT SHOULD BE CONSIDERED FOR NON-CENTRAL OFFICE APPLICATIONS.

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BT13

5ESS* SWITCHING EQUIPMENT
SPECIFICATION FOR
ENHANCED 911 SERVICE ADJUNCT
(ESA)

DWG SIZE
C2

ISSUE
4

LUCENT TECHNOLOGIES INC ED5D729-30

SHEET A2
OF 18

TABLE A-FEATURES (CONTINUED)												
EQUIPMENT		REF NOTE	RATING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA					SD EQUIVALENT		
DESCRIPTION	QTY				EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT	
SPARE ASYNC CONTROL MODULE. DA EFF:12/31/96 FE/RA:NONE	151	DA	100									
SPARE CONVERTER, DC-DC 75W. DA EFF:12/31/96 FE/RA:NONE	151	DA	101									
SPARE FAN. DA EFF:12/31/96 FE/RA:NONE	151	DA	102									
SPARE SYNC CONTROL MODULE (4 PORT). DA EFF:12/31/96 FE/RA:NONE	151	DA	103									
SPARE 7B DII INTERFACE UNIT. DA EFF:09/05/97 FE/RA:NONE	151	DA	104									
SPARE 353A POWER SUPPLY. DA EFF:11/01/93 FE/RA:NONE	151	DA	105									
SPARE PDU 240VAC, 10A. DA EFF:12/31/96 FE/RA:NONE	152	DA	106									
SPARE PDU EXP 240VAC, 10A. DA EFF:12/31/96 FE/RA:NONE	152	DA	107									
SPARE NT1U-200 NETWORK TERMINATOR. DA EFF:11/03/96 FE/RA:NONE	153	DA	108									
SPARE PDU 120VAC, 20A. DA EFF:12/31/96 FE/RA:NONE	153	DA	109									
SPARE PDU EXP 120VAC, 10A. DA EFF:12/31/96 FE/RA:NONE	153	DA	110									
SPARE BATTERY MODULE 24V, 6A. DA EFF:12/31/96 FE/RA:NONE	154	DA	111									
SPARE BATTERY MODULE 24V, 10A. DA EFF:12/31/96 FE/RA:NONE	154	DA	112									
SPARE TMRC - 16 MEG. DA EFF:12/31/96 FE/RA:NONE	154	DA	113									
SPARE MSC CONTROL BOARD. DA EFF:12/31/96 FE/RA:NONE	154	DA	114									
SPARE 650 MB DISK DRIVE. DA EFF:12/30/98 FE/RA:NONE	154	DA	115									
SPARE 1000 MB DISK DRIVE. DA EFF:12/31/96 FE/RA:NONE	154	DA	116									
SPARE CPU R3000-32 MEG WITH CO-PROCESSOR. DA EFF:11/03/96 FE/RA:NONE	154	DA	117									
SPARE IOP. DA EFF:11/03/96 FE/RA:NONE	154	DA	118									
SPARE SCSI CONTROL MODULE. DA EFF:12/31/96 FE/RA:NONE	154	DA	119									
SPARE DUAL SCSI CONTROL MODULE. DA EFF:12/31/96 FE/RA:NONE	154	DA	120									
SPARE BULK POWER SUPPLY 220V, 900W. DA EFF:12/31/96 FE/RA:NONE	155	DA	121									

TABLE-A CONTINUED

ED5D729-30

TABLE A-FEATURES (CONTINUED)												
EQUIPMENT		REF NOTE	RATING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA					SD EQUIVALENT		
DESCRIPTION	QTY				EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT	
SPARE BULK POWER SUPPLY MSC 220V 430W. DA EFF:12/31/96 FE/RA:NONE	155	DA	122									
SPARE BULK POWER SUPPLY 110V, 900W. DA EFF:12/31/96 FE/RA:NONE	156	DA	123									
SPARE BULK POWER SUPPLY MSC 110V 430W. DA EFF:12/31/96 FE/RA:NONE	156	DA	124									

END OF TABLE-A

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BT13

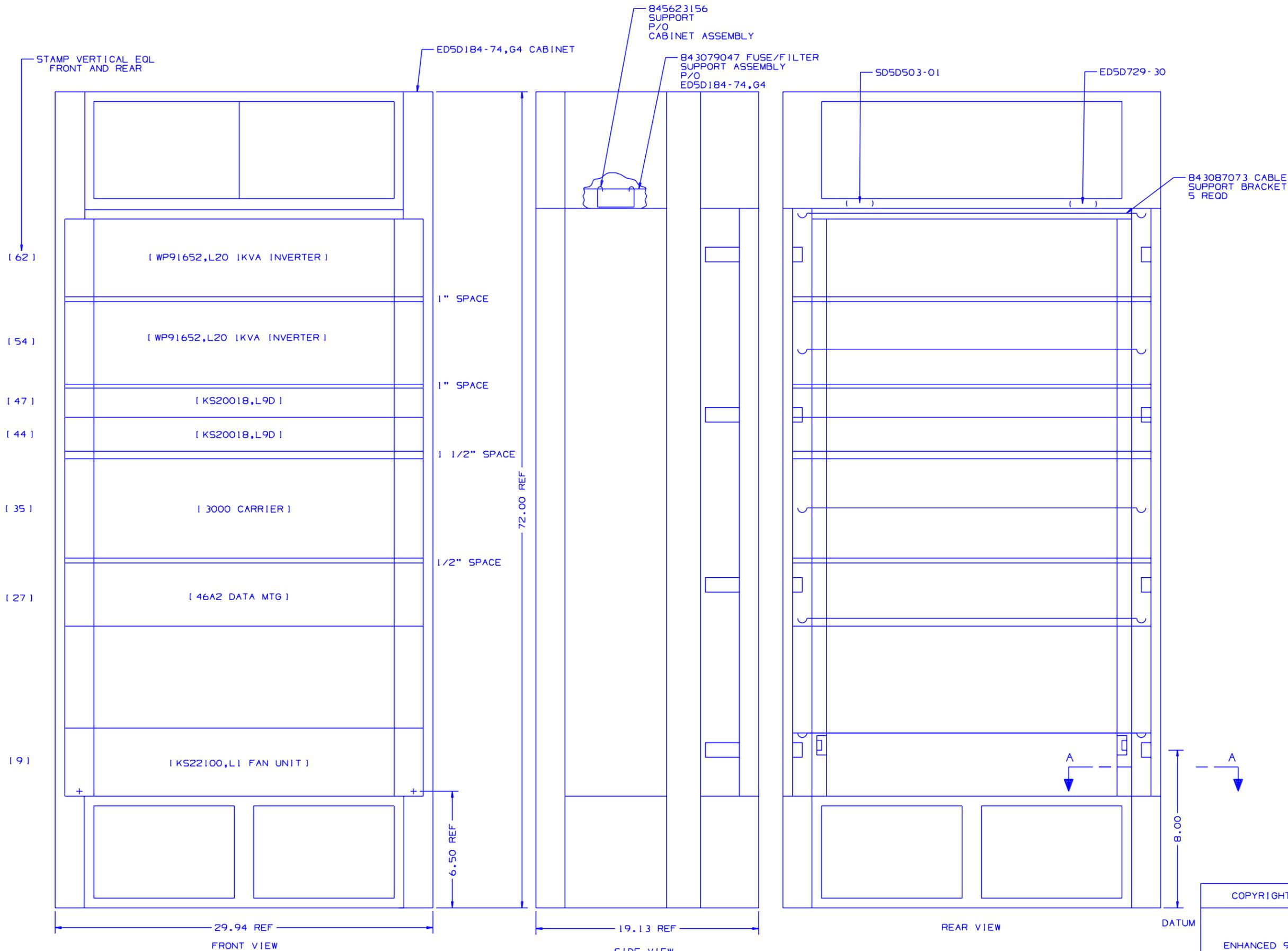
5ESS* SWITCHING EQUIPMENT
SPECIFICATION FOR
ENHANCED 911 SERVICE ADJUNCT
(ESA)

DWG SIZE C2 ISSUE 4

LUCENT TECHNOLOGIES INC ED5D729-30

SHEET A3 OF 18

PRINTED IN U.S.A.



CONVERSION TABLE	
INCH	MM
6.50	165.1
8.00	203.2
19.13	485.8
29.94	760.48
72.00	182.88

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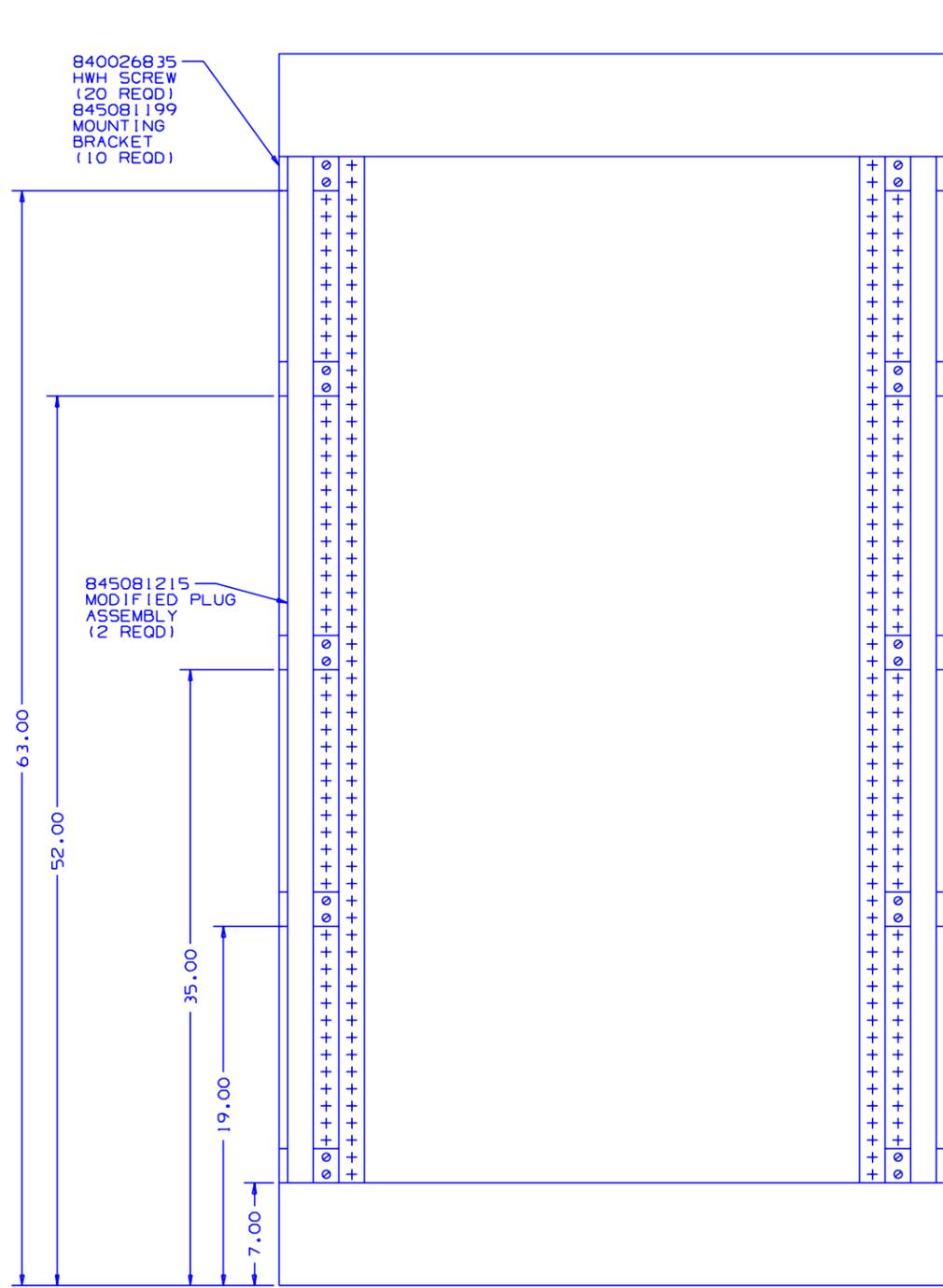
ENHANCED 911 SERVICE ADJUNCT

DWG SIZE C2 ISSUE 4

LUCENT TECHNOLOGIES INC ED5D729-30 SHEET B1

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ED5D729-30



REAR VIEW

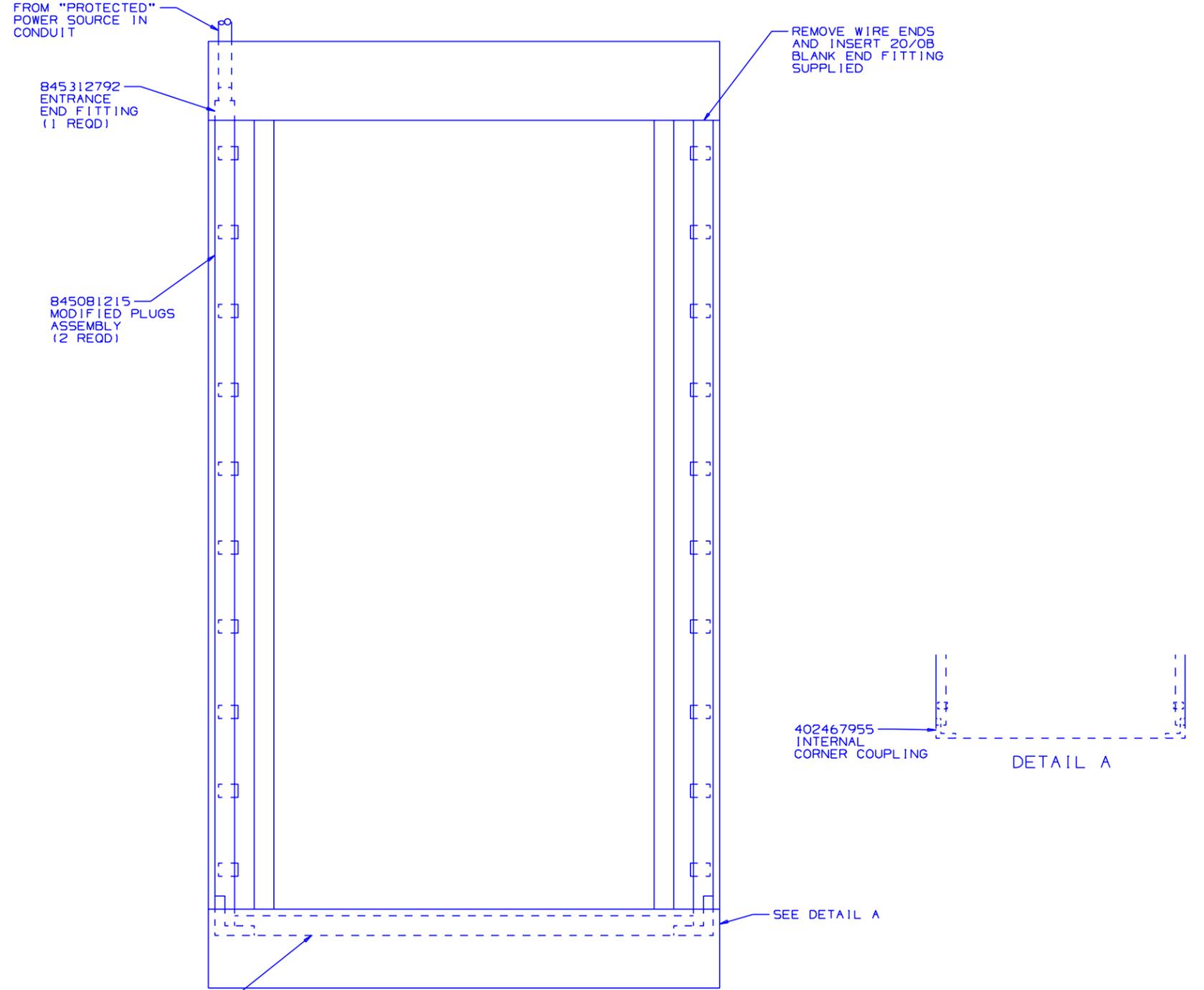
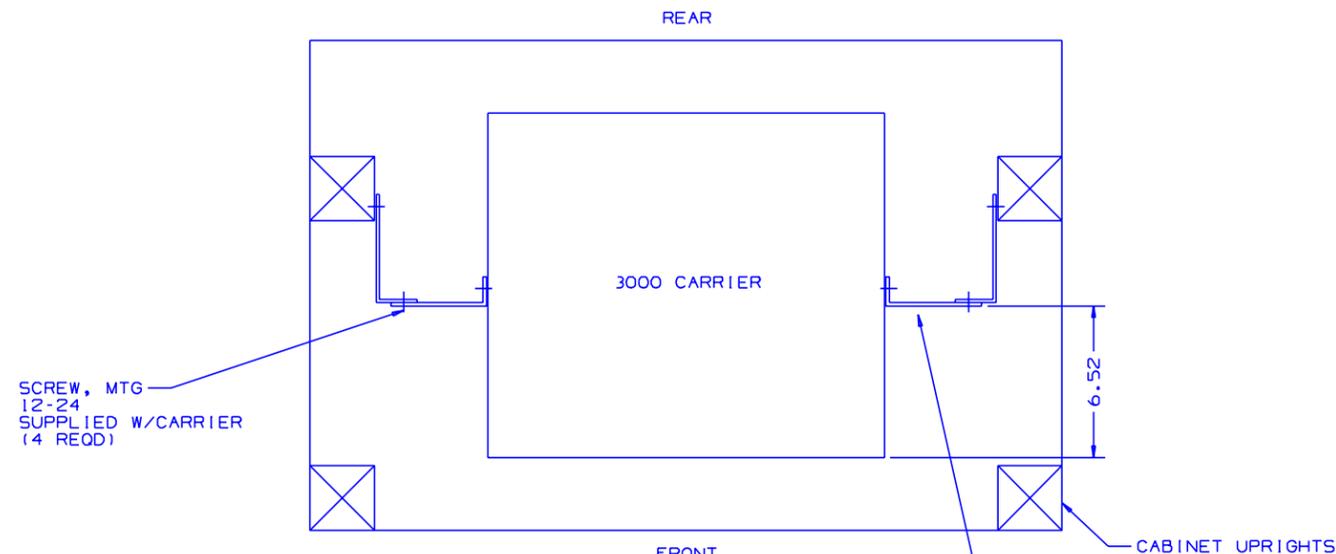
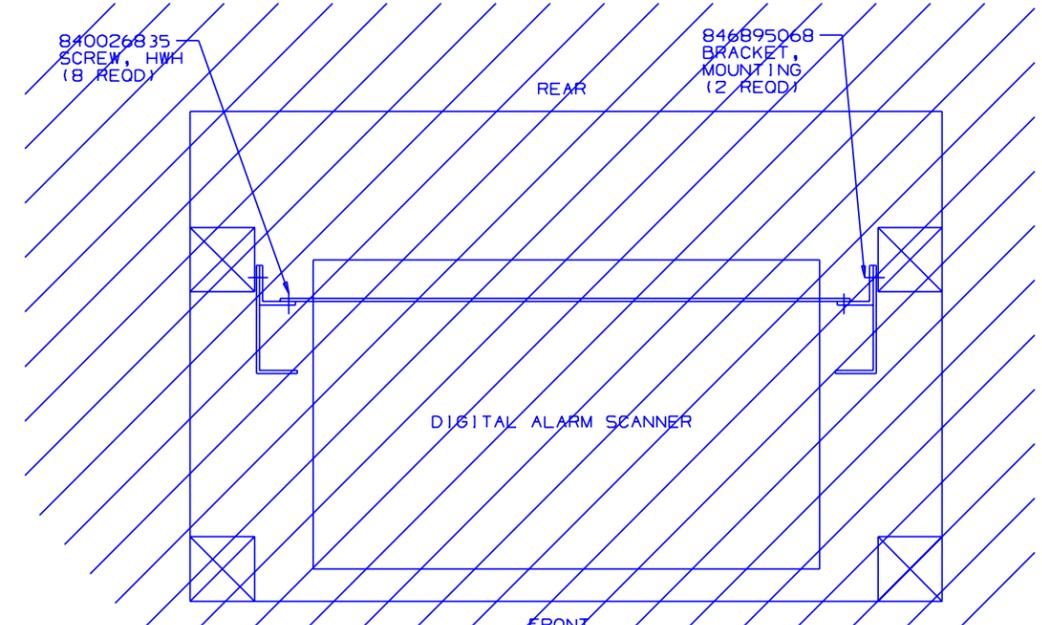


FIG. 2

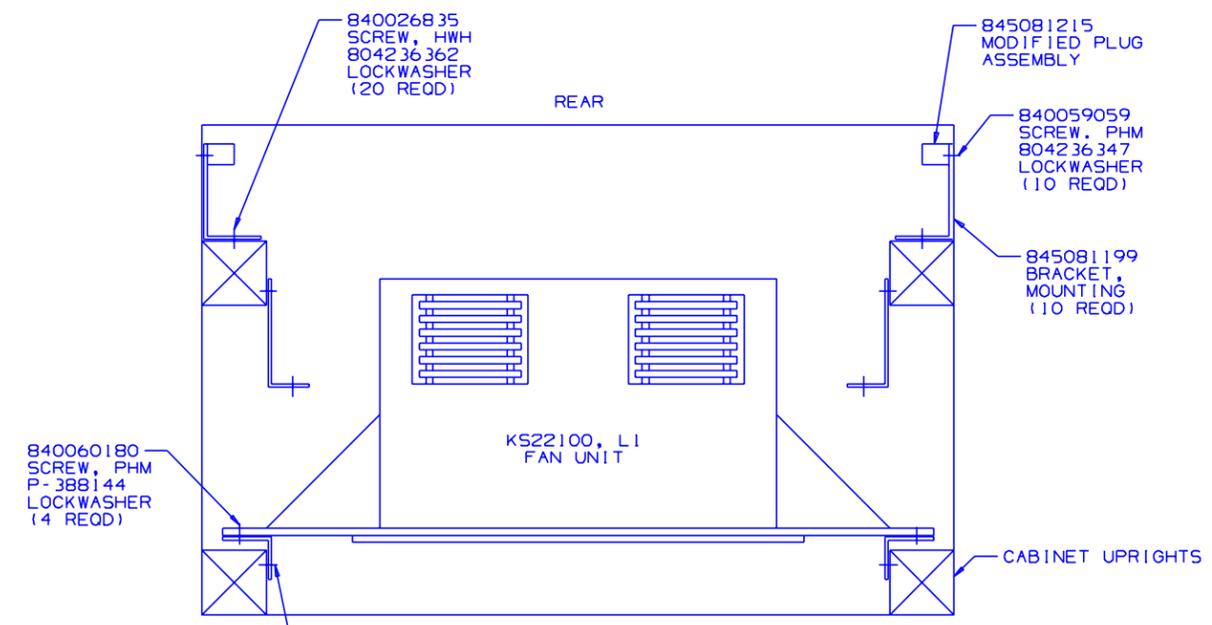


FRONT
FIG. 3
TOP VIEW OF CABINET SHOWING MOUNTING BRACKETS FOR 3000 CARRIER

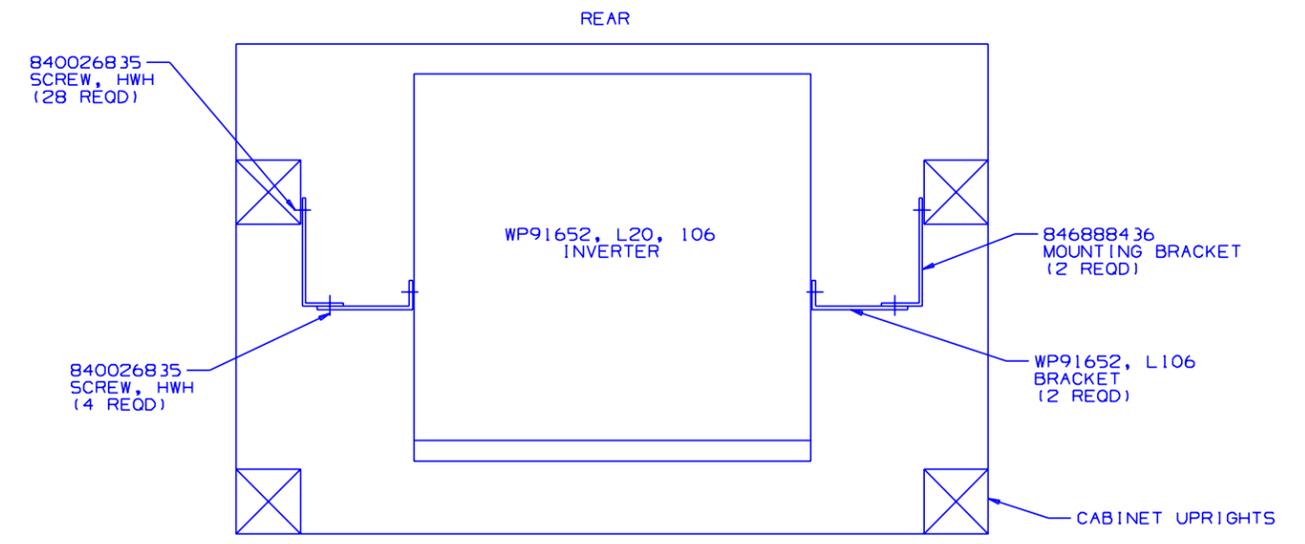
CABINET UPRIGHTS
THE CARRIER MOUNTING BRACKETS ARE INITIALLY POSITIONED TO ALLOW THE CARRIER TO BE INSTALLED IN A CABINET ON 19 INCH CENTERS. TO INSTALL THE CARRIER IN A 23 INCH CABINET, YOU MUST REVERSE THE MOUNTING BRACKETS. TO DO THIS, REMOVE THE SCREWS THAT ATTACH THE MOUNTING BRACKETS TO THE SIDE OF THE CARRIER, THEN REVERSE THE BRACKETS AND POSITION THEM TO THE REAR MOST SET OF HOLES AND REPLACE THE SCREWS.



FRONT
FIG. 4
TOP VIEW OF CABINET SHOWING MOUNTING BRACKETS FOR DIGITAL ALARM SCANNER J1P056A1



FRONT
FIG. 5
TOP VIEW OF CABINET SHOWING MOUNTING BRACKETS FOR FAN UNIT KS22100, L1



FRONT
FIG. 6
TOP VIEW OF CABINET SHOWING MOUNTING BRACKETS FOR WP91652, L20 INVERTERS

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ENHANCED 911 SERVICE ADJUNCT	DWG SIZE C2	ISSUE 4
LUCENT TECHNOLOGIES INC	ED5D729-30	SHEET B3

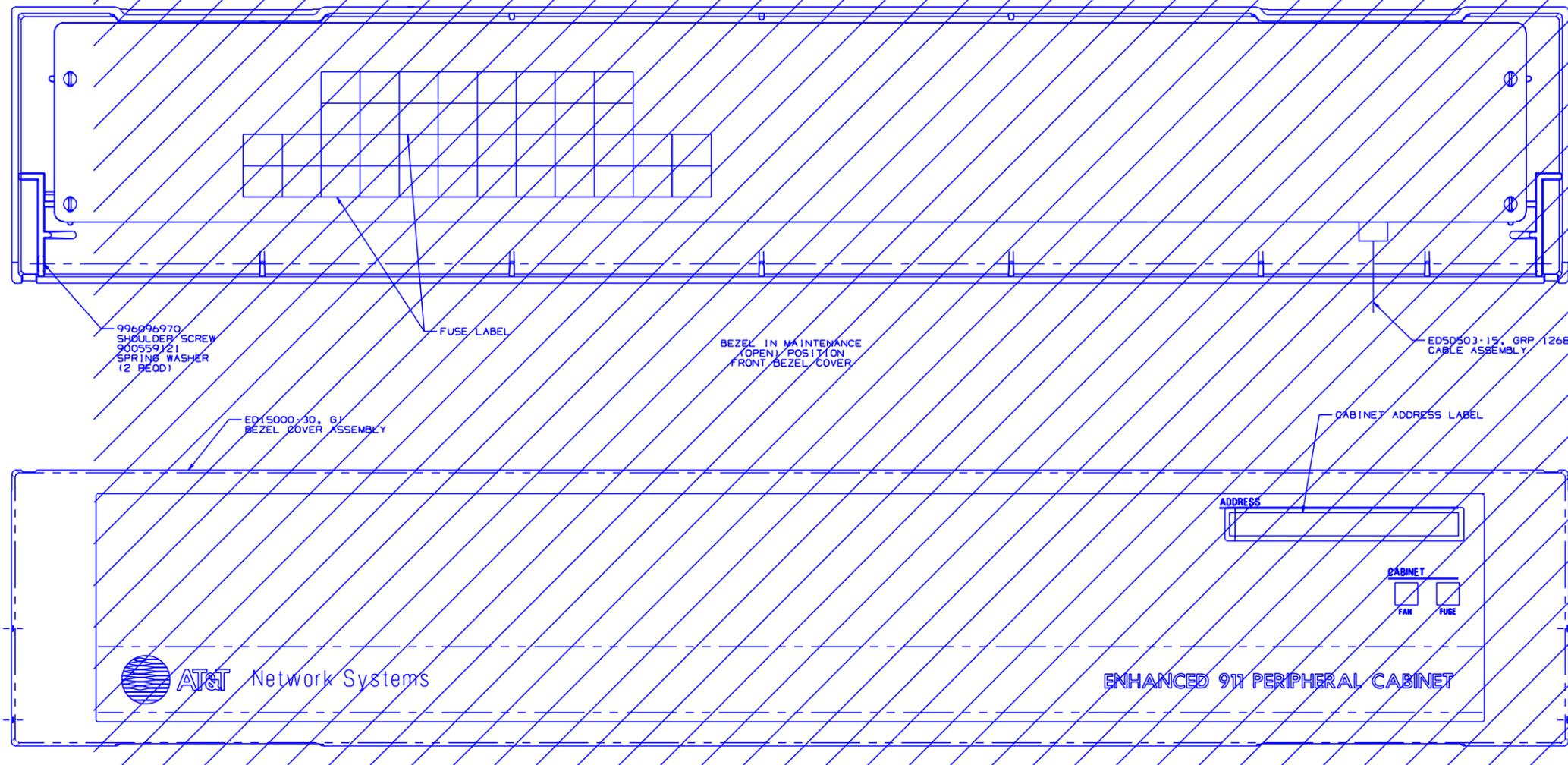


FIG. 7
FRONT BEZEL COVER

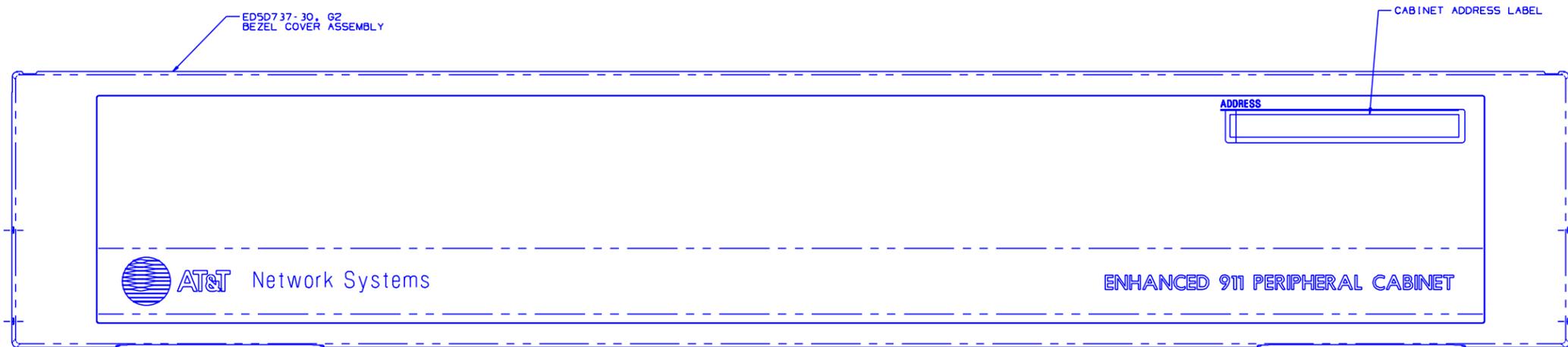
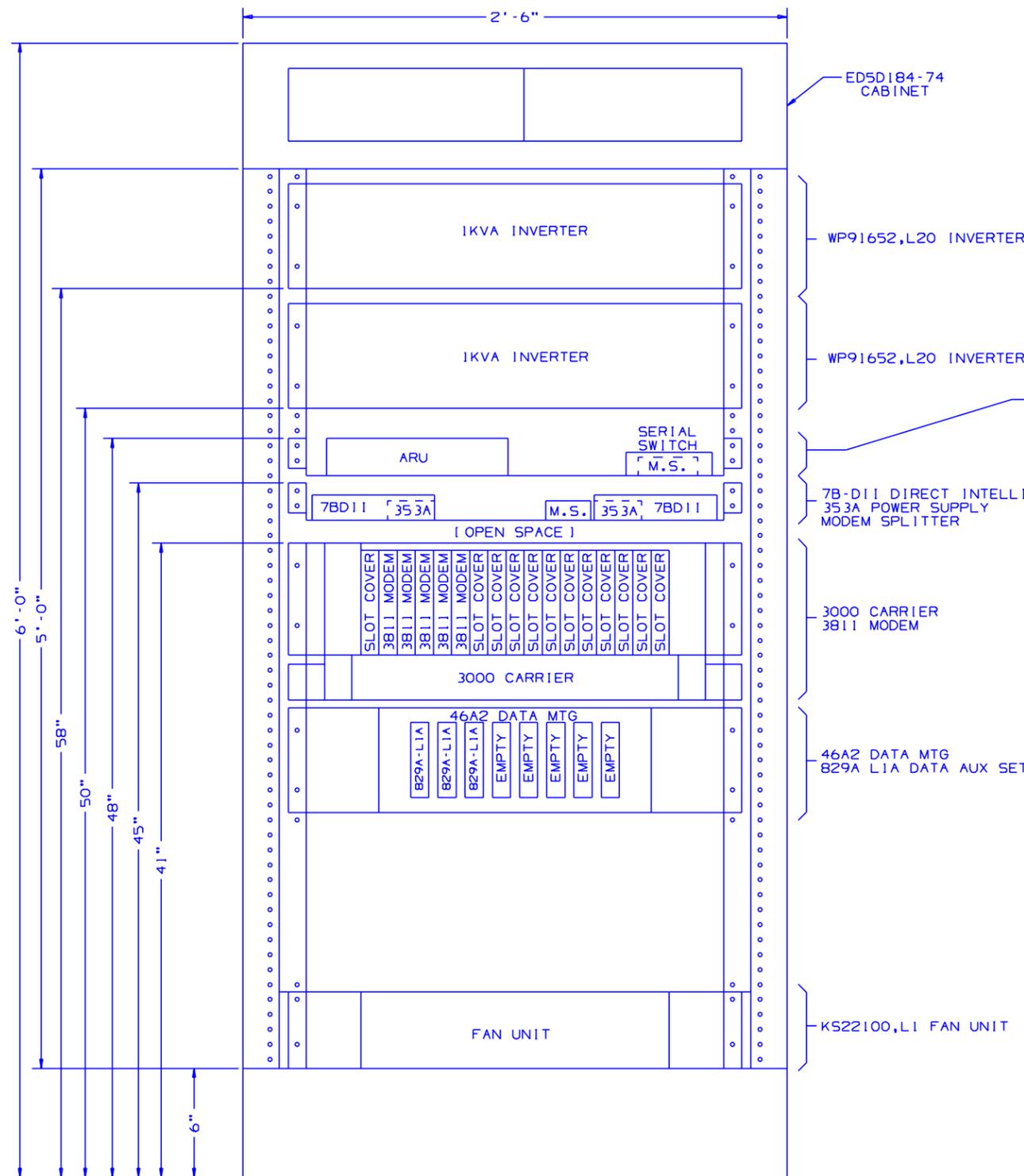
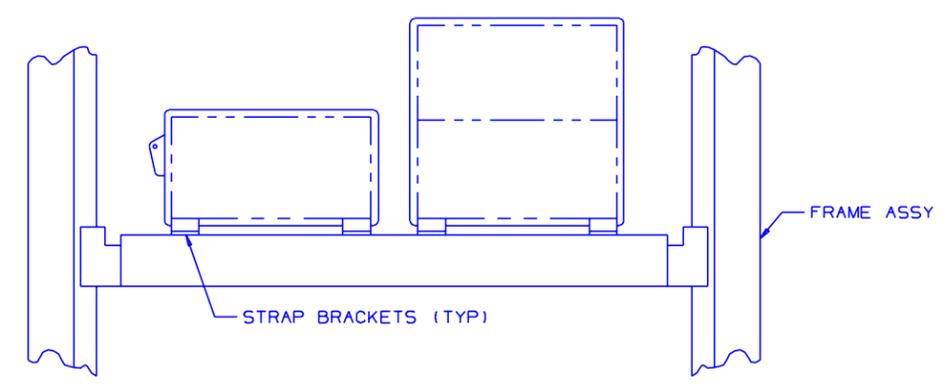
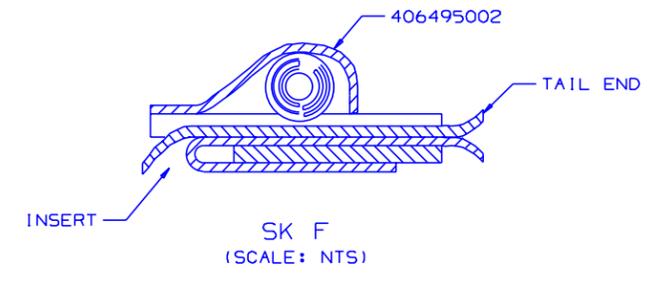
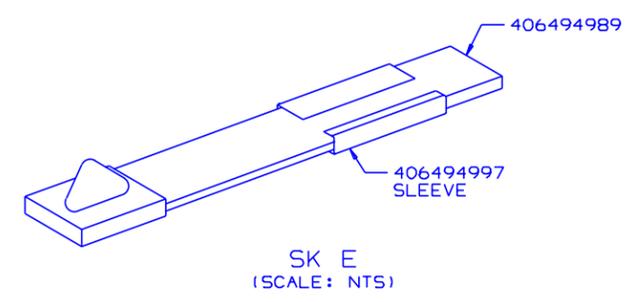
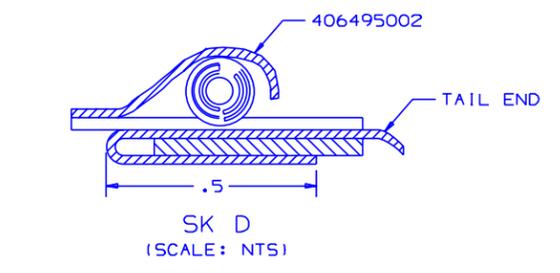


FIG. 8
FRONT AND REAR BEZEL COVER

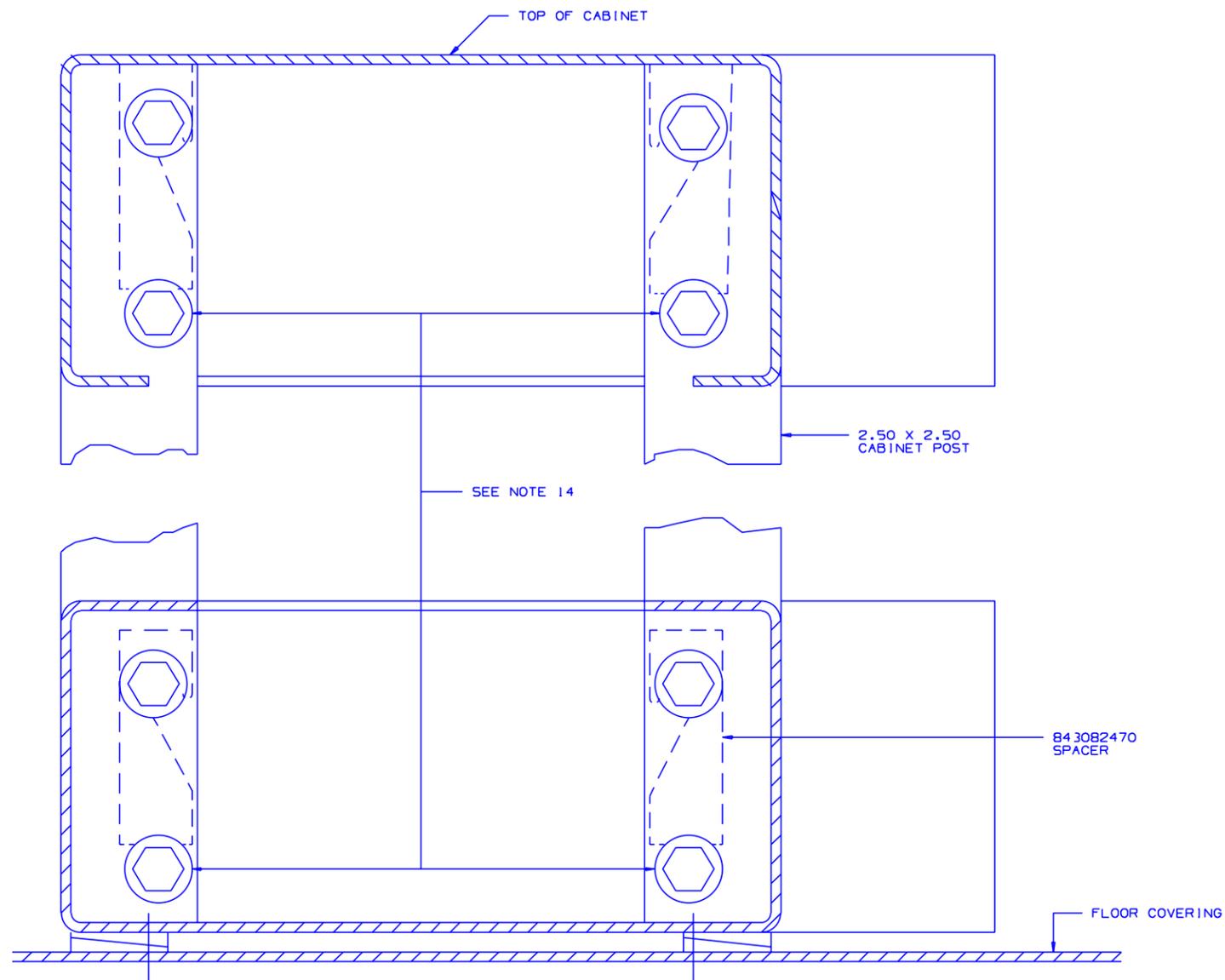
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ENHANCED 911 SERVICE ADJUNCT	DWG SIZE C2	ISSUE 4
LUCENT TECHNOLOGIES INC	ED5D729-30 <small>PRINTED IN U.S.A.</small>	SHEET B4



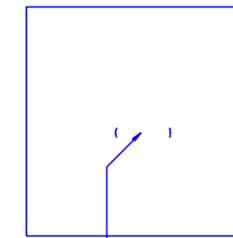
ENHANCED 911 PERIPHERAL CABINET (21" DEEP)
 (FRONT VIEW)
 FIG. 9



FRONT VIEW
 FIG. 10
 METHOD OF STRAPPING
 TYPICAL PERIPHERAL EQUIPMENT
 SEE NOTES 18 & 55



VIEW B-B
(SEE NOTE 13 & 15)



E911PC
VIEW A-A
SHOP STAMPING

CONVERSION TABLE	
INCH	MM
.12	2.59
.28	5.28

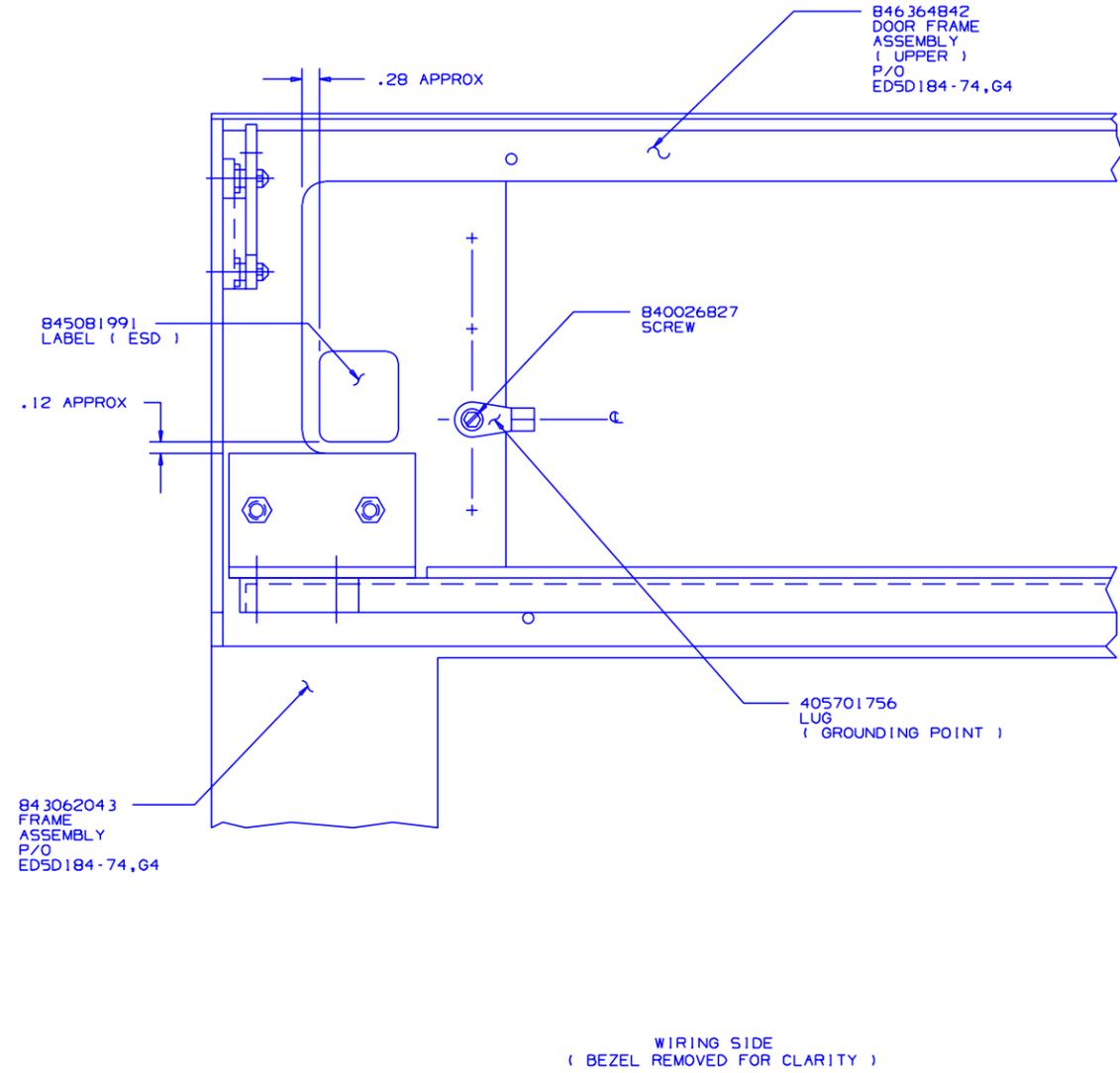
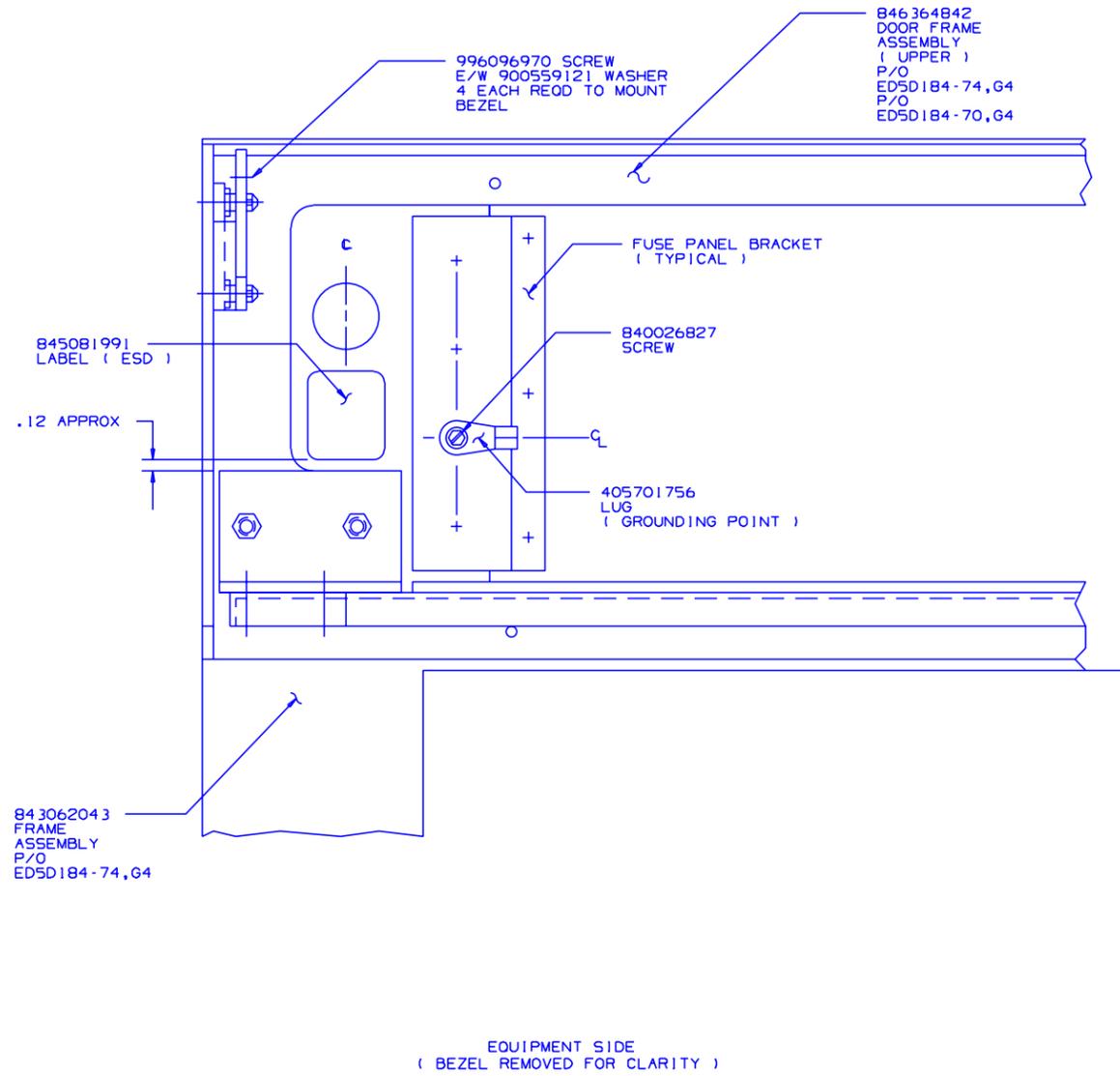
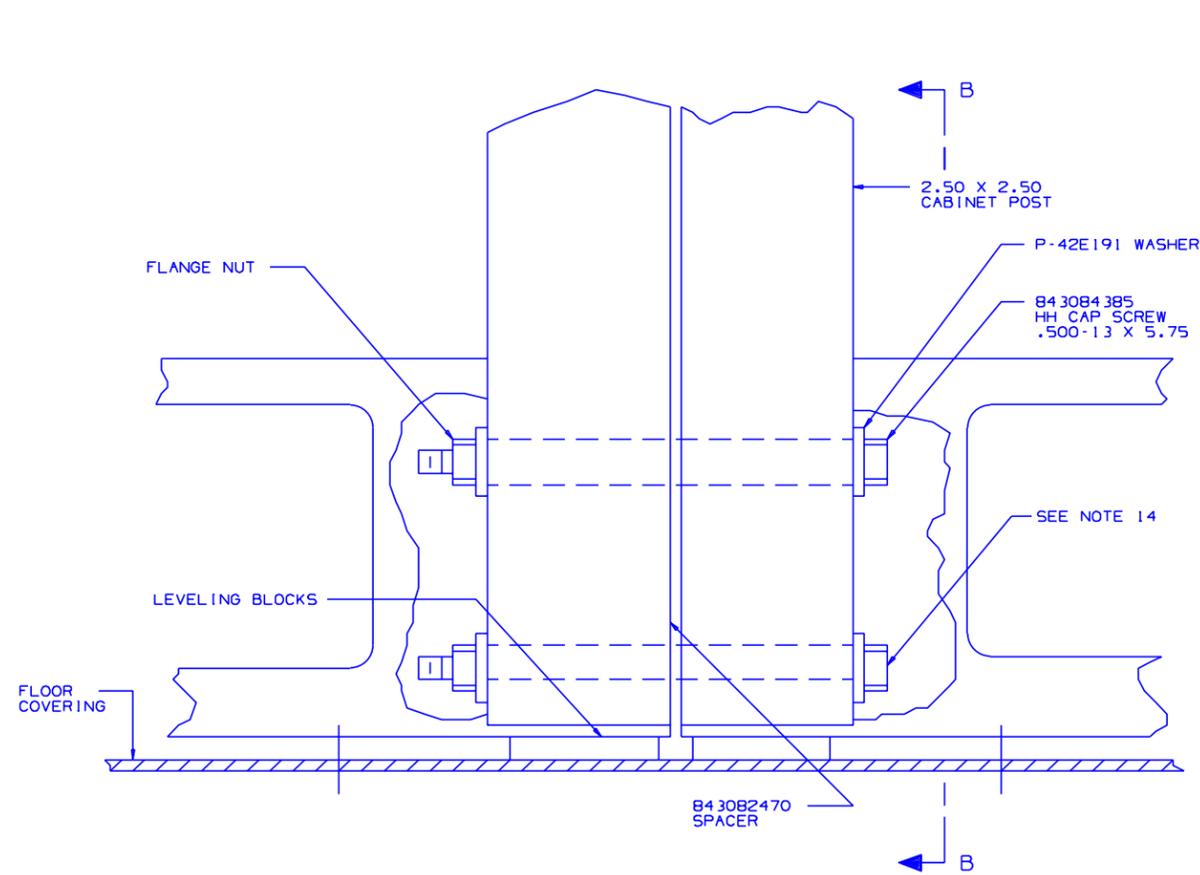
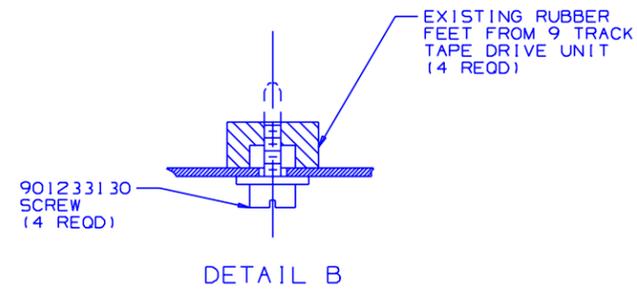
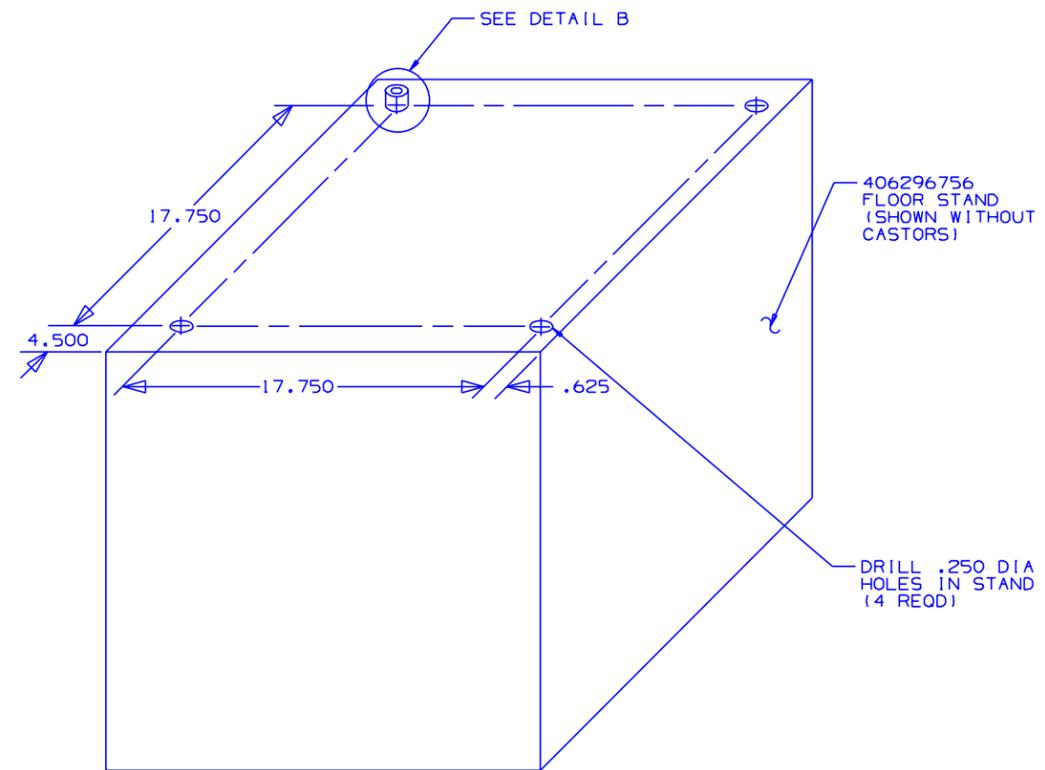


FIG. A



FRONT VIEW
(DOORS REMOVED)
METHOD OF JUNCTIONING ONE CABINET TO ANOTHER CABINET
FIG. B



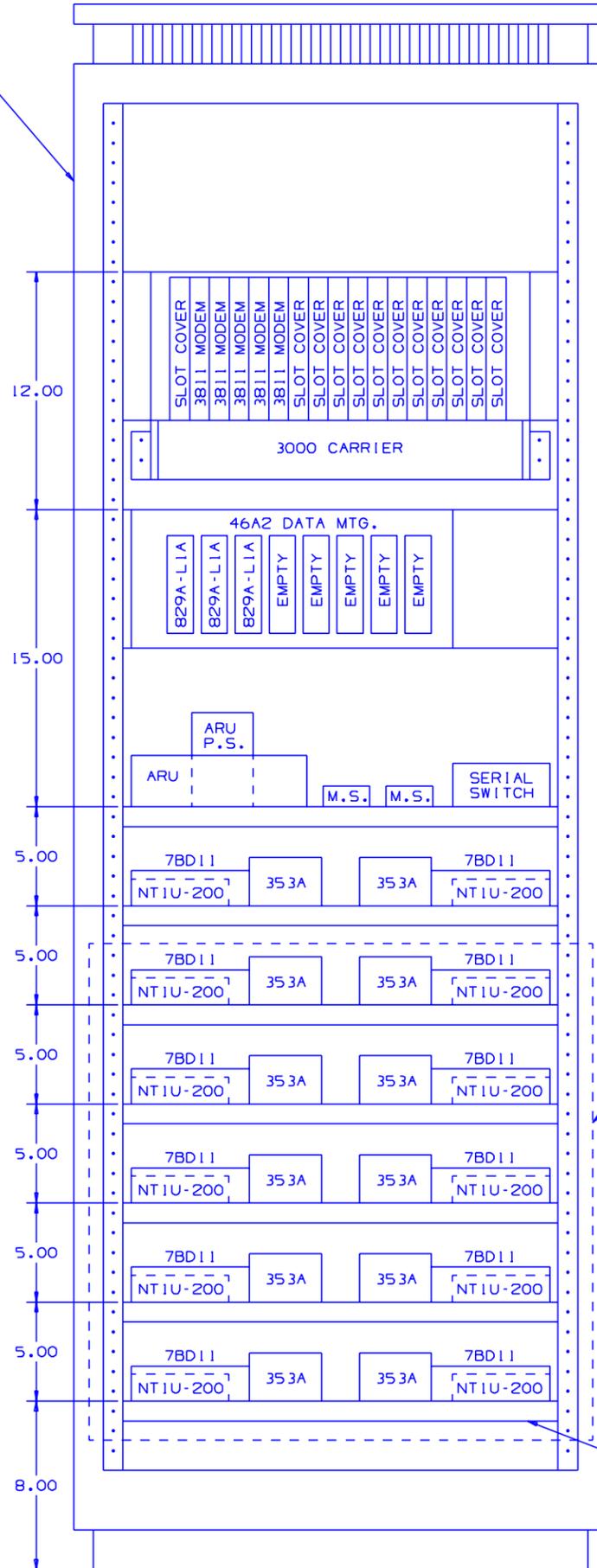
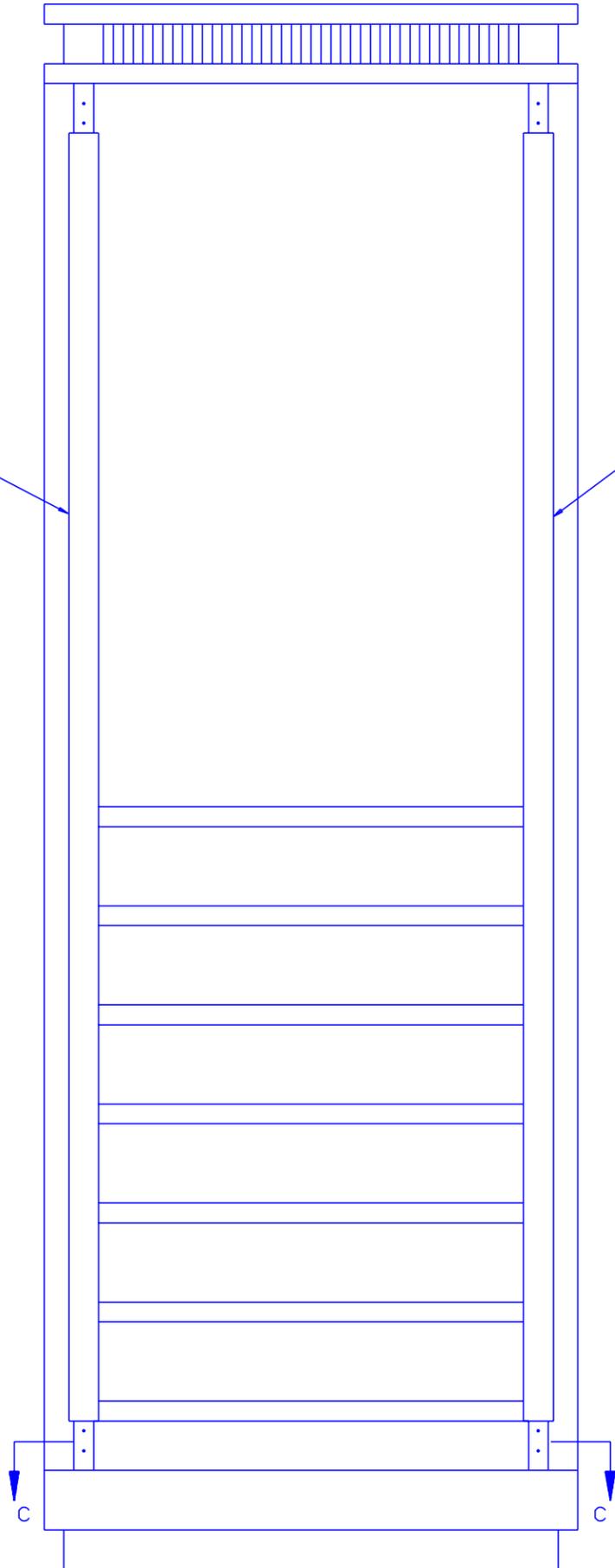
METHOD OF MOUNTING 406181529
9-TRACK TAPE DRIVE UNIT,
TO 406296756 FLOOR STAND
(SHOWN WITHOUT CASTORS)
(SEE NOTE 21)

FIG. C

9 OUTLET
AC STRIP
106241300

9 OUTLET
AC STRIP
106241300

CABINET
106241268



3000 CARRIER
3000 POWER SUPPLY
3000 FAN
3000 FILLER BANK
3000 SHARED FRONT UNIT PANEL
3000 INTERFACE UNIT
3811 MODEM

46A2 DATA MTG.
829A LIA DATA AUX SET

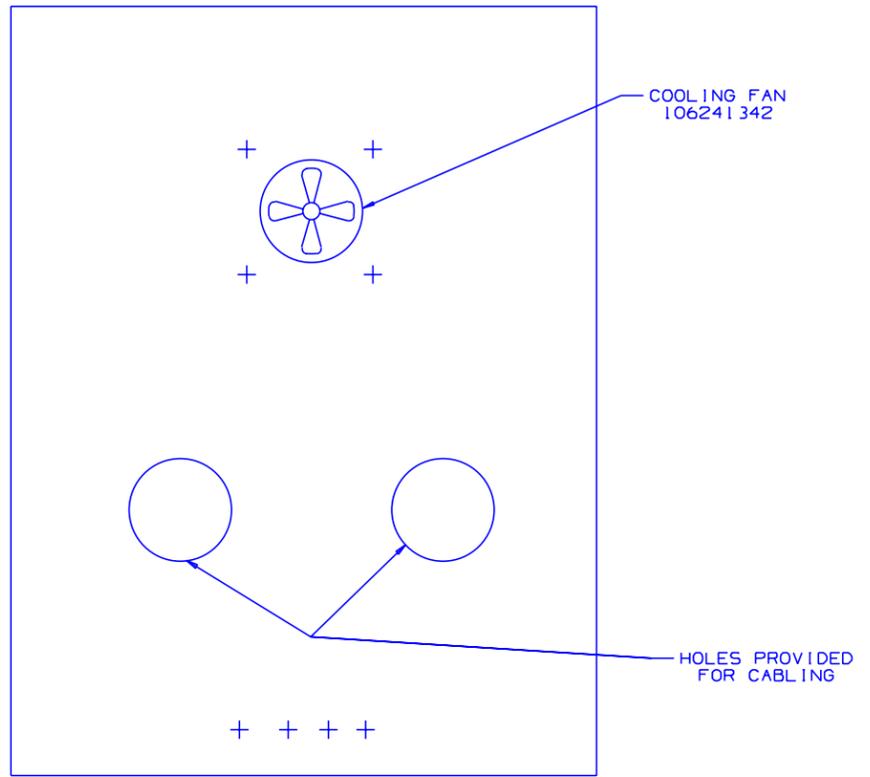
FIG. D

FIG. E

ADDITIONAL EQUIPMENT
THAT MAY BE REQUIRED.
TO BE DETERMINED BY
THE CUSTOMER.

SHELF ASSEMBLY
106241276
(SEE NOTE 61)

FIG. 11
TYPICAL NON-CENTRAL OFFICE (GROUP 9)



SECTION C-C
TOP VIEW BOTTOM

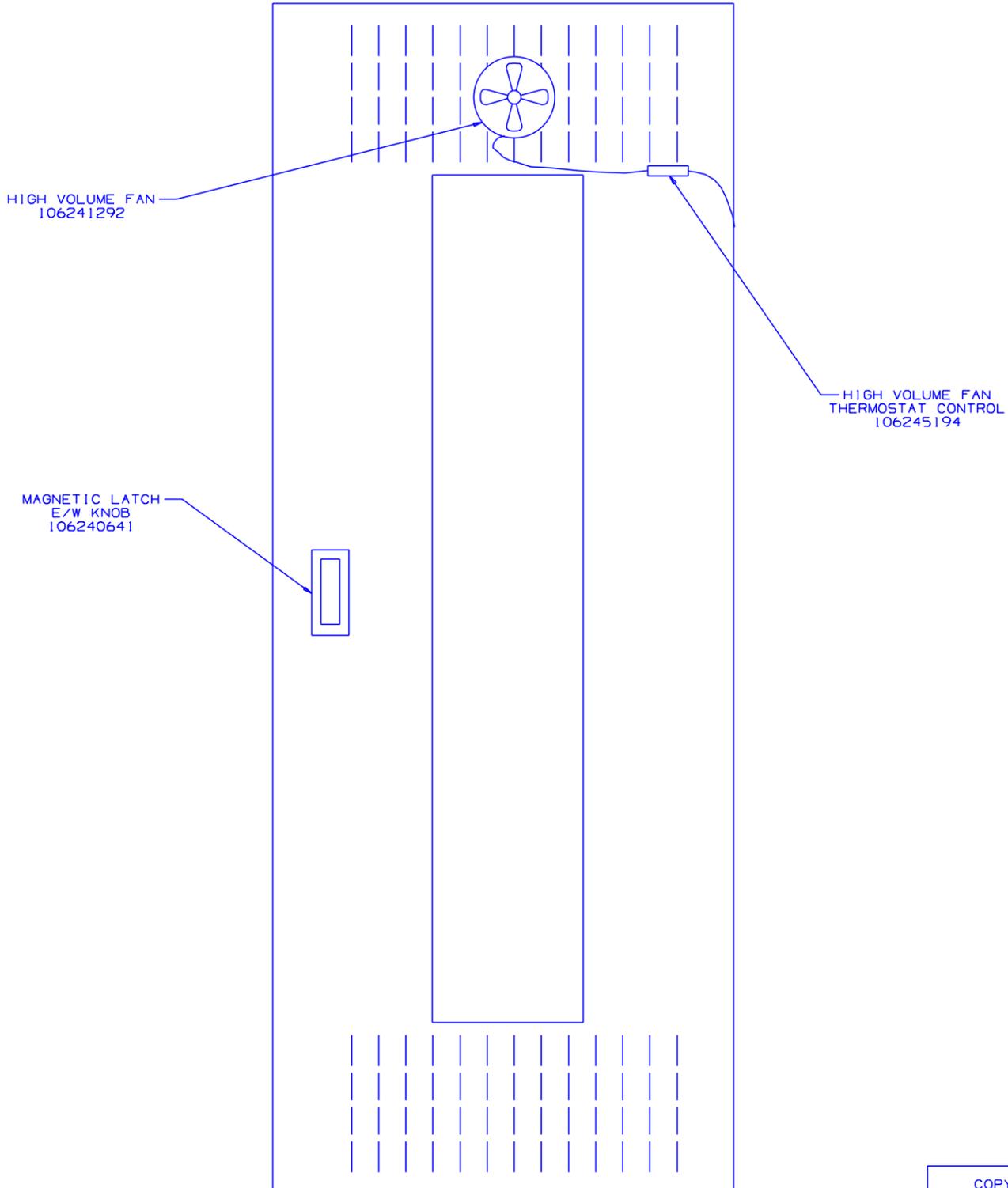


FIG. 12
INSIDE VIEW REAR DOOR

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ENHANCED 911 SERVICE ADJUNCT	DWG SIZE C2	ISSUE 4
LUCENT TECHNOLOGIES INC	ED5D729 - 30 <small>PRINTED IN U.S.A.</small>	SHEET B10

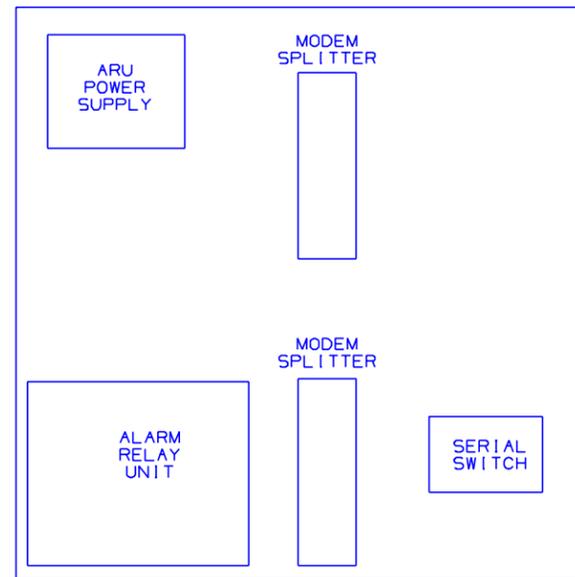


FIG. D

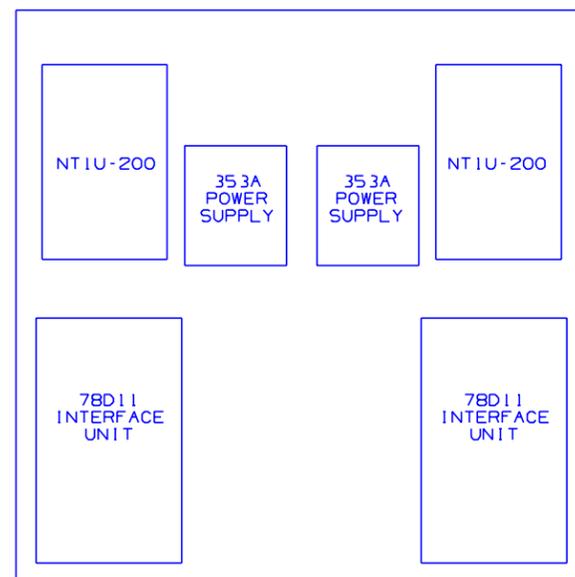


FIG. E

THE CARRIER MOUNTING BRACKETS ARE INITIALLY POSITIONED TO ALLOW THE CARRIER TO BE INSTALLED IN A CABINET ON 19 INCH CENTERS. TO INSTALL THE CARRIER IN A 23 INCH CABINET, YOU MUST REVERSE THE MOUNTING BRACKETS. TO DO THIS, REMOVE THE SCREWS THAT ATTACH THE MOUNTING BRACKETS TO THE SIDE OF THE CARRIER. THEN REVERSE THE BRACKETS AND POSITION THEM TO THE REAR MOST SET OF HOLES AND REPLACE THE SCREWS.

THE 46A2 DATA MTG. SHOULD BE ORDERED TO MOUNT IN A 23 INCH CABINET.

MOUNTING RAIL CUT TO SIZE AND MOUNTED IN POSITION SHOWN. (SEE NOTE 60)

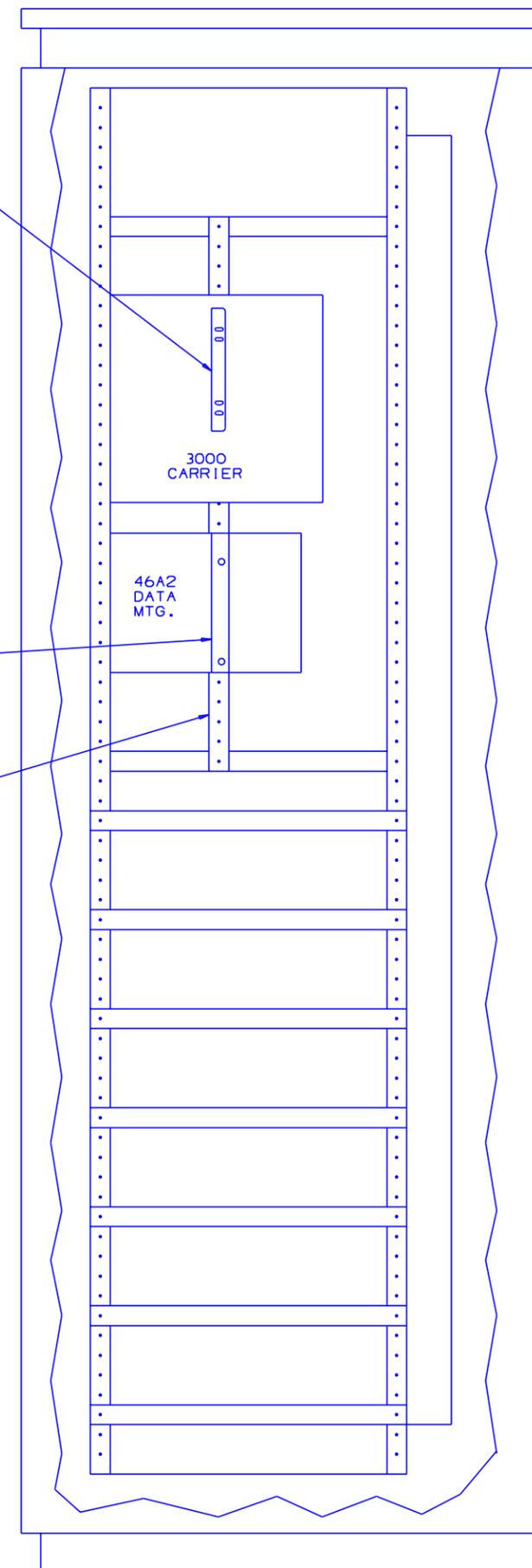


FIG. 13

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1000	1	1	ED5D184-74,G4		ASSEMBLY, CABINET		S	
1010	1	2	846888436		BRACKET, MOUNTING		S	
1020	1	2	845081215		ASSEMBLY, MODIFIED PLUG		S	
1030	1	10	845081199		BRACKET, MOUNTING		S	
1040	1	4	843084104		PANEL		S	
1050	1	16	840058234		SCREW, PAN HEAD MACHINE .112-40 X 3/16 STEEL 289A FINISH		S	
1060	1	10	804236347	P423634	WASHER, EXTERNAL TOOTH LOCK .190 STEEL 289A FINISH		S	
1070	1	20	804236362	P423636	WASHER, EXTERNAL TOOTH LOCK .250 STEEL 289A FINISH		S	
1080	1	1	845312792		FITTING ENTRANCE END		S	
1090	1	2	845081967		LABEL, BLANK		S	
1100	1	2	845082726		LABEL		X S	
1110	1	10	843082421		LABEL		S	
1120	1	1	845081223		ASSEMBLY, RACEWAY		S	
1130	1	2	402467955		COUPLING #2017TC WIREMOLD CO.		S	
1140	1	1	403020324	KS22100L1	FAN, BLOWER ATTIS		S	
1150	1	2	843082637		BRACKET, MOUNTING		S	
1160	1	10	840059059		SCREW, PAN HEAD MACHINE .164-32 X 5/16 STEEL 289A FINISH		S	
1170	1	86	840026835		SCREW, TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) STEEL ZINC PLATE 289A FINISH		S	
1180	1	1	401012463	KS20785L33	CONNECTOR, STRAIGHT		X S	
1190	1	4	840060180		SCREW, PAN HEAD MACHINE .216-24 X 3/8 STEEL 289A FINISH		S	
1200	1	4	803881440	P388144	WASHER, INTERNAL TOOTH LOCK .025 X .216 X .410 STEEL 289A FINISH		S	
1210	1	1	401010426	KS20747	WIRE 12 GA SOLID 1 CONDUCTOR GREEN TYPE THW		X S	
1220	1	1	401010418	KS20747	WIRE 12 GA SOLID 1 CONDUCTOR WHITE TYPE THW		X S	
1230	1	1	401010384	KS20747	WIRE 12 GA SOLID 1 CONDUCTOR BLACK TYPE THW		X S	
1240	1	9	996515615		CABLE, CONNECTOR #RCC-21 THOMAS & BETTS CORP.		S	
1250	1	2	845081991		LABEL, ESD		S	
1260	1	2	405701756		TERMINAL, LUG #M8-14R/SX 3M CO.		S	
1270	1	2	840026835		SCREW, TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) STEEL ZINC PLATE 289A FINISH		S	
1280	1	4	996096970		SCREW, SHOULDER #4327 PIC DESIGN CORP.		S	
1290	1	4	900559121		WASHER, SPRING #UN250-0110 ASSOCIATED SPRING CO.		S	
1300	1	4	843077942		BRACKET		S	
1310	1	8	840059042		SCREW, PAN HEAD MACHINE .164-32 X 1/4 STEEL 289A FINISH		S	

STOCKLIST CONTINUED ON SHEET D2

ED5D729-30

S
H
O
P

MANUFACTURING NOTES

1. X PARTS REQUIRED FOR INSTALLATION.

X/ PARTS REQUIRED FOR MANUFACTURE WHEN EQUIPMENT IS SHOP MOUNTED OR BY THE INSTALLER WHEN THE EQUIPMENT IS TO BE FIELD MOUNTED.

* PARTS THAT ARE TO BE SHIPPED ATTACHED TO OR ENCLOSED IN THE SAME CONTAINER WITH THE ASSOCIATED ASSEMBLED ITEM.

*/ PARTS (A) REQUIRED FOR MANUFACTURE WHEN EQUIPMENT INVOLVED IS SHOP MOUNTED OR (B) TO BE SHIPPED ATTACHED TO, OR ENCLOSED IN THE SAME CONTAINER WITH THE ASSOCIATED ASSEMBLED ITEM WHEN FIELD MOUNTED.

() INDICATES DESIGNATIONS TO BE STAMPED IN ACCORDANCE WITH JOB INFORMATION.

{ } INDICATES DESIGNATIONS SHOWN FOR INFORMATION ONLY AND ARE NOT TO BE STAMPED.

< > INDICATES DESIGNATIONS AND/OR INFORMATION PROVIDED IN ACCORDANCE WITH OTHER INFORMATION.

"W" PARTS ASSEMBLED AT THE SAME TIME THE EQUIPMENT IS MOUNTED.

"W*" PARTS TO BE (A) SHOP ASSEMBLED, BUT WHICH CANNOT BE ASSEMBLED UNTIL THE ASSOCIATED EQUIPMENT IS BEING MOUNTED, OR (B) SHIPPED ATTACHED TO, OR ENCLOSED IN THE SAME CONTAINER WITH THE ASSOCIATED EQUIPMENT WHEN FIELD MOUNTED.

"S" PARTS NOT ASSEMBLED, SHIPPED SEPARATELY.

A/R AS REQUIRED.

"B" PARTIAL ASSEMBLIES ON OTHER DRAWINGS WITH STOCKLISTS.

X X 12. THIS DOCUMENT CONTAINS BOTH U.S. CUSTOMARY (INCH, ETC) AND SI (METRIC) DIMENSIONS.

X X 13. WHEN JUNCTIONING SIX FOOT CABINETS TOGETHER THE LEVEL OF EACH CABINET SHALL BE DETERMINED AT THE TOP SURFACE OF THE CABINET AND NOT THE BOTTOM. WHEN JUNCTIONING THE CABINETS TOGETHER IN BLOCKS OF TWO, THREE OR FOUR CABINETS, THE QUANTITY OF SPACERS REQUIRED BETWEEN CABINETS WILL VARY ACCORDING TO THE DIMENSIONS OF THE CABINETS THEMSELVES. EACH BLOCK OF CABINETS SHALL BE MEASURED AND THE APPROPRIATE QUANTITIES OF 843082460 SPACERS SHALL BE ADDED BETWEEN THE CABINETS TO ACHIEVE THE FOLLOWING DIMENSIONS:
TWO CABINETS 59 7/8, +1/16, -0" 1520.83, +1.59, -0 MM
THREE CABINETS 89 7/8, +1/16, -0" 2282.83, +1.59, -0 MM
FOUR CABINETS 119 7/8, +1/16, -0" 3044.83, +1.59, -0 MM

X 14. THESE BOLTS ARE NOT REQUIRED WHEN THE CABINETS ARE JUNCTIONED IN THE FIELD.

X X 15. THE HEXIGON HEAD CAP SCREWS USED FOR JUNCTIONING CABINETS TOGETHER MAY BE INSERTED FROM EITHER SIDE OF THE JUNCTION AS DETERMINED BY THE MANUFACTURING LOCATION.

X X 16. 72A DUMMY FUSES ARE TO BE REPLACED WITH 70 TYPE FUSES WHEN CIRCUIT PACKS ARE EQUIPPED.

X X 17. FUSE LABELS SHALL BE AFFIXED TO THE 843084104 PANEL FASTENED TO THE REAR OF THE BEZEL LOCATED AT THE TOP FRONT OF CABINET. LABELS SHALL BE PLACED SO THEY ARE READABLE WITH BEZEL IN THE OPEN POSITION.

X X 18. THESE ARE INSTALLATION TOOLS THAT DO NOT NEED TO BE ORDERED, IF THE INSTALLATION TEAM ALREADY HAS THESE TOOLS.

X 19. FOR EARTHQUAKE ZONES 2, 3, AND 4 USE ALL FOUR MOUNTING POSITIONS. FOR EARTHQUAKE ZONES 0 AND 1 USE THE TWO MOUNTING POSITIONS DESIGNATED "B". ALSO, SEE NOTE 20.

X 20. REMOVE EXISTING SCREWS USED TO HOLD THE RUBBER FEET TO THE BOTTOM OF THE TAPE DRIVE AND REPLACE WITH LONGER SCREWS FROM THE INSIDE OF THE FLOOR STAND. (SEE FIGURE C).

X 21. REFER TO ED5D729-70 FOR INFORMATION ON ANCHORING THE FLOOR STAND SYSTEM CABINET AND MASS STORAGE CABINET TO THE FLOOR.

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(ESA)

DWG SIZE C2 ISSUE 4

LUCENT TECHNOLOGIES INC ED5D729-30

SHEET D1 OF 18

STOCKLIST									
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE		
							SYM	NBR	
1320	1	8	814251856	P42E185	WASHER, PLAIN .164 STEEL 289A FINISH		S		
1330	1	2	845622976		ASSEMBLY, DOOR PERFORATED (CENTER-OPENING)		S		
1340	1	2	ED5D737-30,G2		ASSEMBLY, BEZEL COVER		S		
1360	1	5	843087073		SUPPORT, CABLE		S		
2000	1	2	401509773	KS20018L9D	SHELF		S		
2010	5	2	405686783	WP91652L20	INVERTER DC-AC		S		
2011	5,5A	2	405890146	WP91652L106	BRACKET 19/23IN		S		
2012	5A	2	407106814	WP91652L20A	INVERTER		S		
2040	3	1	406671503		SWITCH, OSI, AUTO DATA #814160 INMAC INC.		S		
2050	3	2	403644867	MS-3	SPLITTER, MODEM 3 PORT BLACK BOX		S		
2060	3	1	J1P158C-1,L1,L4, LA		UNIT, ALARM RELAY		S		
2070	2	2	105690382	7B	UNIT, INTERFACE DII		S		
2080	2	2	104380753	353A	UNIT, POWER		S		
2110	3	3	406542290		ADAPTER, ELECTRICAL #334-3 INMAC		S		
2120	3	1	405383027		MODEM #303-3-NULL INMAC		S		
2130	2	2	104160148	D8W-87	CORD 2 FT 6 IN		S		
2140	4,11	1	102269669	M25B-87	CORD 4FT		S		
3000	12	1	102969250	46A2	MOUNTING, DATA		S		
3010	12	3	102860293	829A-L1A	SET, AUXILIARY DATA CLEI = 8D29AABAAA		S		
3020	12	1	106315286	3500-M1-001	MANUAL, USER GUIDE		S		
3030	12	12	106238504	3000-F1-008	BLANK, FILLER		S		
3040	12	1	106238538	3000-F1-002	SUPPLY, POWER		S		
3050	12	1	106238512	3000-B1-001	RACK, MULTIPLE MOUNTING DSU		S		
3060	12	1	106238496	3000-F1-007	BLOWER, 3000 SERIES RACK		S		
3070	12	5	106597826	3811-B1-001	MODEM, DATA TRANSFER		S		56 57 58
3100	12	1	106303274	3000-F1-001	PANEL, UNIT SHARED FRONT		S		
3110	12	1	106303845	3000-F1-003	UNIT, INTERFACE		S		
3120	12	1	100017326	B25A	CABLE, CONNECTOR 5 FT. DOUBLE END		S		
3130	12	3	102269669	M25B-87	CORD 4FT		S		
4000	3	2	406217158		PRINTER, DOT MATRIX #577-17IN 540 CPS-(120V,60MZ) NCR-WICHITA		S		
4010	3	2	501013965	56C705YAAA	TERMINAL		S		
4040	3	1	406674556		SWITCH #080001 INMAC INC		S		
5000	5,5A	1	405890500	WP91652L50	INVERTER 5 KVA WITH TRANSFER SWITCH		S		

***** STOCKLIST CONTINUED AT RIGHT *****

ED5D729-30

STOCKLIST									
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE		
							SYM	NBR	
5010	4	1	406588954		COMPUTER, MINI #S230COAI 240 V POWER TANDEM COMPUTERS P/O PEC 7342-34C		S		
5011	4	1	406181503		DRIVE, SCSI 150MB TAPE DRV MODULE #5300-A TANDEM COMPUTERS P/O PEC 7342-34C		S		
5012	4	2	406181842		DRIVE, SCSI HARD DISK (FORMATTED) #4414-A TANDEM COMPUTERS P/O PEC 7342-34C	SYSTEM 5000	S		
5013	4	1	406588988		PACKAGE, MASS STORAGE CABINET #4300COAI MSC W/O HD 2 TANDEM COMPUTERS P/O PEC 7342-34C		S		
5020	3	1	406712760	KS23495L88	RECORDER, MAGNETIC TAPE NCR P/O PEC 73439		S		19 20
5021	3	1	406188193		CABLE, DIFFERENTIAL #517-010W TANDEM COMPUTERS P/O PEC 73439		S		
5022	3	1	406442244		DOCUMENT #88780-90000 6250 TP DR US GD HEWLET PACKARD P/O PEC 73439		S		
5030	5,5A	1	406710863		BREAKER, CIRCUIT #TPL412C ENCLOSURE GENERAL ELECTRIC		S		
5040	5,5A	2	406710871		BREAKER, CIRCUIT #THQL22020 GENERAL ELECTRIC CORP.		S		
5050	3	1	406181537		PACKAGE, 9 TRACK INTERFACE #9734-F001 NCR PEC 73400		S		
5070	3	1	406296756		STAND, FLOOR #STS-1A TANDEM COMPUTERS PEC 73454		S		20 21
5080	4,11	1	406181024		PACKAGE, DC/DC CONVERTER (PAIR) #9734-K012-V001 NCR PEC 73412		S		
5090	4,11	2	406181040		PACKAGE, SYNCHRONOUS CONTROLLER #6322-1 TANDEM COMPUTERS PEC 73419		S		
5100	4,11	1	406589002		PACKAGE #65TS INIT MEM R3 32M LOCAL MEM F/16 MB TO 32 MB ON INITIAL SYS. TANDEM COMPUTERS PEC 73457	UPGRADES	S		
5110	7	1	406494989		BAND, RETAINING #MBH-TLR MBH-TLR BANDING, NON MAGNETIC STAINLESS WD .312" X LG 3000" PANDUIT CORP.		S		55
5150	4,11	1	106612815	#BX.25SSFTCOM	SOFTWARE, NETWORKING BX.25/SYSTEM AMATPS NCR PROD ID C375-0BX1-0000		S		

STOCKLIST CONTINUED ON SHEET D3

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SHEET D2 OF 18

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STOCKLIST									
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE		
							SYM	NBR	
5161	4,11	1	406784801		SOFTWARE, OPERATING #C375-0A22-0000UNIX,ISS 3,VER 1,RLS A22 NCR P/O PEC 1375-A20		S		
5162	4,11	1	406589192		SOFTWARE, UNIX #C375-0A20-0000 NCR P/O PEC 1375-A20		S		
5170	3	4	901233130		SCREW C HEAD MACHINE ALLIED VOLT .190-24X1.00 SLOTTED HEX		S	20	
6000	6	1	406224857		PART #AF37736-00 C. ITOH PEC 8230-577		S		
6010	6	5	406181503		DRIVE, SCSI 150MB TAPE DRV MODULE #5300-A TANDEM COMPUTERS P/O PEC 73437		S		
6011	6	5	406223099		TAPE, MACHINE #TDC3660 TANDBERG P/O PEC 73437		S		
7000	7	1	406494963		SNIP, TIN #272SC540 STRAIGHT CUT TECHNI-TOOL COMPANY		S	18 55	
7010	7	1	406666743		TOOL, BANDING #GS4MT PANDUIT		S	18 55	
7120	7	1	406495002		CLOSURE, ASSEMBLY #MTHH-C PANDUIT CORP.		S	55	
7130	7	1	406494997		SLEEVE, PROTECTION #PCSH-B-CR PANDUIT CORP.		S	55	
7140	4,11	1	406187666		SOFTWARE, OPERATING #FT X.25 COMMUNICATIONS 7422-A TANDEM COMPUTERS PEC 1375-X01		S		
8000	8	1	406694232		TOOL, MODULAR CRIMPING #61-146 LABELLE		S	18 55	
8010	8	1	406735837		PLUG #FM110 BLACK BOX INC.		S		
8020	8	1	406756759		DIE, CRIMP #FTM45 BLACK BOX INC.		S		
8030	4,11	1	406181032		PACKAGE, ASYNCHRONOUS CONTROLLER #6320 TANDEM COMPUTERS PEC 73415		S		
8040	4,11	1	406437202		DRIVE, VARIABLE SPEED #9734-K042-V001 FT NCR PEC 73442 STARSERVER		S		
8050	4,11	2	406551077		PACKAGE, 4 PORT SYNC 232D #6323-1 4 FOR S TANDEM COMPUTERS PEC 73423		S	59	
8060	10	2	405897133		UNIT, TERMINATION #NTIU-200 AT&TEN PHILLIPS PEC 31971		S		
8070	11	1	406588921		COMPUTER #9734-2341-0000 NCR PEC 7342-34A		S		
9000	9	1	106241268	CBT-70812279	CABINET, SPECIAL RF/AM		S		

***** STOCKLIST CONTINUED AT RIGHT *****

ED5D729-30

STOCKLIST									
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE		
							SYM	NBR	
9010	9	1	106240641	CBT-70812797	LATCH, MAGNET CATCH RF/AM		S		
9020	9	1	106241342	CBT-7169207	FAN, COOLING RF/AM		S		
9030	9	1	106241292	CBT-72351156	FAN, COOLING RF/AM		S		
9040	9	1	106245194	CBT-7K1230	THERMOSTAT, CONTROL RF/AM		S		
9050	9	2	106241276	CBT-70812280	SHELF, CABINET RF/AM		S		
9060	9	2	106241300	CBT-75332065	RECEPTACLE, OUTLET RF/AM		S		
9500	100	1	406606277		PACK,CIRCUIT, ASYNCHRONOUS COMMUNICATION #19090A TANDEM COMPUTERS INC.		S		
9510	101	1	406177790		CONVERTER, POWER #16575 TANDEM COMPUTERS INC.		S		
9520	102	1	406177824		FAN, COOLING #16563 TANDEM COMPUTERS INC.		S		
9530	103	1	406551101		PACK,CIRCUIT #52359 SYNC 4 POR 232D TANDEM COMPUTERS		S		
9540	104	1	105690382	7B	UNIT, INTERFACE DII		S		
9550	105	1	104380753	353A	UNIT, POWER		S		
9560	106	1	406178020		POWER SUPPLY UNIT, PDU SYS5000 #18797 TANDEM COMPUTERS INC.		S		
9570	107	1	406180554		POWER SUPPLY UNIT, PDVS8000M #18799 TANDEM COMPUTERS INC.		S		
9580	108	1	405897133		UNIT, TERMINATION #NTIU-200 AT&TEN PHILLIPS		S		
9590	109	1	406177865		UNIT, POWER #16586 120V TANDEM COMPUTERS		S		
9600	110	1	406180497		UNIT, POWER #18798 120V TANDEM COMPUTERS		S		
9610	111	1	406180521		BATTERY, MODULE #20153 TANDEM COMPUTERS INC.		S		
9620	112	1	406177535		BATTERY #20167 TANDEM COMPUTERS INC.		S		
9630	113	1	406178061		MEMORY, TMRC MEMORY CONTROLLER #33138 TANDEM COMPUTERS INC.		S		
9640	114	1	406180513		PANEL, COMMUNICATIONS #16552 TANDEM COMPUTERS INC.		S		

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LUCENT TECHNOLOGIES INC ED5D729-30

SHEET D3 OF 18

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STOCKLIST

ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
9650	115	1	406188003		DRIVE, HARD DISK #4416-AM TANDEM COMPUTERS		S	
9660	116	1	406437194		DRIVE, DISK #4418AM TANDEM COMPUTERS INC.		S	
9670	117	1	406686444		UNIT, CENTRAL PROCESSING #69452 R3000, 32BYT, 25MHZ TANDEM COMPUTERS		S	
9680	118	1	406645085		PACK,CIRCUIT, C04 I/O PROCESS #17135 TANDEM COMPUTERS INC.		S	
9690	119	1	406705350		PACK,CIRCUIT, SCSI SINGLE END COMMUN. #406-705-3500 NCR		S	
9700	120	1	406705368		PACK,CIRCUIT, DUAL DIFFERENTIAL #406-705-3680 NCR		S	
9710	121	1	406177527		SUPPLY, POWER, AC 220X36V #20371 TANDEM COMPUTERS INC.		S	
9720	122	1	406180539		SUPPLY, POWER, AC 220X36V #20303 TANDEM COMPUTERS INC.		S	
9730	123	1	406177519		SUPPLY, POWER #16584 TANDEM COMPUTERS		S	
9740	124	1	406180547		SUPPLY, POWER #16585 TANDEM COMPUTERS		S	

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DWG SIZE C2 ISSUE 4

ED5D729-30

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SHEET D4 OF 18

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