

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 PERIPHERAL EQUIPMENT CIRCUMFERENCE 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. A).
 3. THREAD THE STRAP UNDER THE STRAP BRACKETS PROVIDED ON THE MOUNTING SHELF ASSEMBLY AND AROUND THE EQUIPMENT AS SHOWN IN FIG. 8 WITH THE ROUND SIDE OF THE CLOSURE AWAY FROM THE EQUIPMENT.
 4. SLIP 13 INCHES OF SLEEVING (406494997) 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. B).
 5. FIG. 8 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. 8.
 7. INSERT TAIL END OF STRAP INTO CLOSURE (SEE SK. C) AND POSITION SLEEVED STRAP CENTERED OVER TOP OF THE EQUIPMENT (SEE FIG. 8).
 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 INSTALLATION 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 MADE TO ENSURE INTEGRITY.
56. TO CONFIGURE THE 3811 MODEM FOR MML/UNM.
----- CONTINUED ON NEXT SHEET -----

ISSUE NOTES (CONTINUED)

(C44511) IN TABLE A DA'ED GROUP 6, ADDED GROUP 6A. IN STOCKLIST ADDED ITEM 6001, MODIFIED ITEM 6010 MODIFIED FIGS. 4,7 AND 18.

ORIG ISS: 10/14/92 CHANGE CLASS: AU
DRAFT: JAP ENGR: JAP SUPV: PK CERTIFIED: 04/12/94 ISSUE: 8

(H7197) IN MANUFACTURING NOTE 24 ADDED "OR ED5D785". IN TABLE A DA'ED GROUPS 31,32,34,35 AND 36, ADDED GROUPS 40 AND 41, MODIFIED GROUPS 1A,6A,8,11 AND 33. IN STOCKLIST ADDED ITEMS 1011,1080,1085 1361,8600,8610,8620,8630,8640 AND 8650, LINED OUT ITEMS 1010,1060 1070,1160, MODIFIED ITEMS 1008,1020,1030,1065,1075,1110,1140,1150 1165,1180,1190,1200,1240,1250,1260,1370,8500,8510,8520,8530,8540, 8551,8560 AND 8570. MODIFIED FIGS. 1,2,4,5,7,17,18,19 AND 20

ORIG ISS: 10/14/92 CHANGE CLASS: B
DRAFT: JAP ENGR: JAP SUPV: PK CERTIFIED: 08/10/94 ISSUE: 9

(H7321) IN TABLE A RATED GROUPS 31,32,34,35 AND 36 "LA" WITH A DA EFF DATE OF 06/30/95. MODIFIED GRAPHIC FIGS. 1,4,7,17,18,19 AND 20.

ORIG ISS: 10/14/92 CHANGE CLASS: B
DRAFT: JAP ENGR: JAP SUPV: PK CERTIFIED: 08/22/94 ISSUE: 10

(H7329) IN STOCKLIST LINED OUT ITEM 1340, ADDED ITEM 1341. IN ENGINEERING NOTES MODIFIED NOTE 69. MODIFIED GRAPHIC FIG. 6.

ORIG ISS: 10/14/92 CHANGE CLASS: B
DRAFT: JAP ENGR: JAP SUPV: PK CERTIFIED: 08/30/94 ISSUE: 11

(H7411) IN TABLE A GROUPS 11 AND 17 RATED "DA". GROUP 11A ADDED. IN MANUFACTURING NOTES MODIFIED NOTES 15,12 AND 23, ADDED NOTE 25 IN STOCKLIST MODIFIED ITEMS 1085,1170,1175,1180,1240,8500,8510, 8520,8530,8540,9240,9251,9260,9270 AND 9280. MODIFIED GRAPHIC FIGS. 2,7,9,14,15 AND 17, ADDED FIGS. 21 AND 22.

ORIG ISS: 10/14/92 CHANGE CLASS: B
DRAFT: JAP ENGR: JAP SUPV: PK CERTIFIED: 01/24/95 ISSUE: 12

ISSUE NOTES

ORIG ISS: 10/14/92 CHANGE CLASS:

DRAFT: PEW ENGR: PEW SUPV: PK CERTIFIED: 10/14/92 ISSUE: 1

TABLE A, GROUPS 18 THRU 24, 118 & 119 ADDED; GROUP 12 RATED 'DA'; GROUPS 8, 13, 16 & 17 MODIFIED. NOTES 65 THRU 68 ADDED; NOTES 59, 62 & 63 MODIFIED. STOCKLIST ITEMS 5100 & 9220 REMOVED. ITEMS 4000, 4030 THRU 4060, 5000 THRU 6000, 9290, 9310, 9400, 9500, 9830, 9890, 9910 MODIFIED. ITEMS 3025, 5310 THRU 5340, 5055, 9755 THRU 9790, 9980 THRU 9995 ADDED. GRAPHICS FIGURES 7, 9 & 14 MODIFIED.

ORIG ISS: 10/14/92 CHANGE CLASS: B
DRAFT: PEW ENGR: PEW SUPV: PK CERTIFIED: 02/23/93 ISSUE: 2

TABLE A, GROUPS 30 THRU 33 ADDED; GROUPS 1,3 THRU 6, 8 & 11 MODIFIED. NOTES 22 THRU 24 & 69 ADDED. GRAPHICS FIGURES 17 THRU 20 ADDED; FIGURES 1,2,5,7,9,11 & 12 MODIFIED. STOCKLIST ITEMS 1003,1005,1007,1015,1065,1075,1165,1175,8500 THRU 8590 ADDED; ITEMS 1010,1020,1090,1110,1140,1150,1180,1190,1200,1240,1250, 1260,1270,1360,1370,5110 THRU 5230 MODIFIED; ITEMS 1080,1120, 1130,5120,5140,5190,5210 & 9230 REMOVED.

ORIG ISS: 10/14/92 CHANGE CLASS: B
DRAFT: PEW ENGR: PEW SUPV: PK CERTIFIED: 04/30/93 ISSUE: 3

TABLE A, GROUPS 3,4,5,10 & 19 REMOVED "IN ADDITION TO GROUPS...". STOCKLIST ITEMS 3025,5320,5330,5340,6310,9755,9760,9765,9770, 9775,9780,9785,9790,9800,9810,9820,9830,9860,9870,9890,9900,9910, 9920,9930,9940,9950,9960,9970,9980 & 9990 REMOVED 'S' NOTE.

ORIG ISS: 10/14/92 CHANGE CLASS: M
DRAFT: PEW ENGR: PEW SUPV: PK CERTIFIED: 05/18/93 ISSUE: 4

STOCKLIST ITEM 9762 REMOVED REFERENCE TO GROUP 19.

ORIG ISS: 10/14/92 CHANGE CLASS: M
DRAFT: PEW ENGR: PEW SUPV: PK CERTIFIED: 06/04/93 ISSUE: 5

TABLE A, GROUPS 21 THRU 24 MODIFIED; GROUPS 25 & 26 ADDED. NOTES 70 & 71 ADDED. STOCKLIST ITEMS 9795 & 9797 ADDED; ITEMS 8500 THRU 8520, 9765 THRU 9790 MODIFIED; ITEM 4040 DELETED.

ORIG ISS: 10/14/92 CHANGE CLASS: B
DRAFT: JAP ENGR: JAP SUPV: PK CERTIFIED: 12/15/93 ISSUE: 6

(H7178) TABLE A, GROUPS 1 AND 30 RATED "DA". TABLE A AND STOCKLIST, ADDED GROUPS 1A,34,35 AND 36. TABLE A, GROUPS 9 AND 108 AND GRAPHICS FIGS. 9 AND 14, REPLACED NTIU-200 WITH NTIU-220. TABLE A, IN GROUP 32 ADDED REFERENCE TO EMC TREATMENT. GRAPHICS, FIGS. 1,11 AND 12, REMOVED ALL REFERENCES TO CABINET AND DOOR GROUPS. FIGS. 2 AND 17 LINED OUT 403813009 AND ADDED 995829660. FIGS. 9 AND 14 REMOVED 3000 CARRIER SLOT COVERS. FIG. 11 LINED OUT 996096970 AND ADDED 406763276. STOCKLIST, LINED OUT ITEMS 1280,5070,8550,9000,9250,9300, AND 9880, ADDED ITEMS 1001,1008,1281,5071,8551,8592,8595,8597,9001, 9251,9301 AND 9881, MODIFIED ITEM 8540, ADDED "(25 INCHES, 635MM TYP.)" TO DESCRIPTION. ENGINEERING NOTES, MODIFIED NOTE 69 REMOVED "THE BLANK LABEL SPECIFIED IN THE STOCKLIST IS FOR ACCOUNTING PURPOSES ONLY."

ORIG ISS: 10/14/92 CHANGE CLASS: B
DRAFT: JAP ENGR: JAP SUPV: PK CERTIFIED: 03/22/94 ISSUE: 7

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REPLACES ED5D729-30

BT13

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

DWG SIZE C2 ISSUE 12

AT&T ED5D729-31 SHEET A1 OF 26

TABLE A-FEATURES											
EQUIPMENT		RAT- ING	LIST OR GROUP	QTY	EQUIPMENT OR CIRCUIT DATA				SD EQUIVALENT		
DESCRIPTION	REF NOTE				EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
PERIPHERAL 5ESS CABINET ASSEMBLY FOR ONE ENHANCED 911 SERVICE ADJUNCT(ESA) WHEN ESA IS REQUIRED IN A CENTRAL OFFICE. PROVIDES ONE FAN UNIT. DA EFF:03/22/94 FE:ED5D729-31,G1A		DA	1								
PERIPHERAL 5ESS CABINET ASSEMBLY FOR ONE ENHANCED 911 SERVICE ADJUNCT (ESA) WHEN ESA IS REQUIRED IN A CENTRAL OFFICE. PROVIDES ONE FAN UNIT. EQUIPPED IN THE 5ESS CLASSIC CABINET. REPL:ED5D729-31,G1			1A								
PERIPHERAL CABINET ASSEMBLY FOR ONE ENHANCED 911 SERVICE ADJUNCT (ESA) WHEN ESA IS REQUIRED IN A NON-CENTRAL OFFICE.			2								
EQUIPMENT REQUIRED TO PROVIDE FOR ONE ESA TO API LINK CONNECTION.	62		3								
EQUIPMENT REQUIRED TO PROVIDE ALARMING AND REMOTE COMMUNICATIONS TO AND FROM THE ESA PROCESSOR.	66		4								
EQUIPMENT REQUIRED TO PROVIDE ESA CENTRAL OFFICE PROCESSOR.			5								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1,1A,30,34 OR 36 TO PROVIDE PROTECTED AC POWER. DA EFF:04/12/94 FE:ED5D729-31,G6A		DA	6								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1,1A,30,34,36,40 OR 41 TO PROVIDE PROTECTED AC POWER. PROVIDES ONE 1KVA INVERTER WITH OVER VOLTAGE PROTECTION. REPL:ED5D729-31,G6			6A								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 4 TO PROVIDE ADDITIONAL 577 PRINTER RIBBONS AND 1/4 INCH TAPE CARTRIDGES.			7								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1,1A,30,34,36,40 OR 41 TO PROVIDE THE INSTALLATION TEAM WITH THE TOOLS NEEDED TO SECURE PERIPHERAL EQUIPMENT TO THE SHELVING.	55		8								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 3 TO PROVIDE NT1U'S FOR ONE ESA TO API LINK CONNECTION FOR REMOTE SWITCHES.	62		9								
EQUIPMENT REQUIRED TO PROVIDE ESA COMMERCIAL PROCESSOR.			10								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1,1A,2,30,34,36,40 OR 41 TO PROVIDE MODEMS FOR REMOTE COMMUNICATIONS. DA EFF:01/24/95 FE:ED5D729-31,G11A		DA	11								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1,1A,2,30,34,36,40 OR 41 TO PROVIDE MODEMS FOR REMOTE COMMUNICATIONS. REPL:ED5D729-31,G11			11A								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 11 FOR DIAL-UP APPLICATIONS. DA EFF:02/23/93 FE/RA:NONE	63	DA	12								
EQUIPMENT REQUIRED FOR APPLICATIONS WITH MORE THAN 4 AND UP TO 8 SWITCHES.	59		13								

TABLE-A CONTINUED

ENGINEERING NOTES

***** CONTINUED *****

SHELVES THE 1 INCH THICKNESS OF THE SHELVES MUST BE CONSIDERED.

62. FOR EACH ADDITIONAL API LINK CONFIGURATION SEE GROUPS 3 & 9.

63. FOR PRIVATE LINE APPLICATIONS ONE (1) 829A DATA AUX. SET IS REQUIRED FOR EACH ESA CUSTOMER SUPPORT LINK AND EACH ALI/DMS LINK.

64. FOR CENTRAL OFFICE APPLICATIONS:
REFER TO FIGURE 9 AND NOTE 62 TO DETERMINE THE NUMBER OF ADDITIONAL SHELVES REQUIRED.

FOR NON-CENTRAL OFFICE APPLICATIONS:
REFER TO FIGURE 14 AND NOTE 62 TO DETERMINE THE NUMBER OF ADDITIONAL SHELVES REQUIRED.

65. REQUIRED FOR DUAL ESA CONFIGURATIONS WITH AN AUDIT LINK, A SECOND 3511 MODEM IS REQUIRED IF THE AUDIT LINK IS TO BE DUPLEXED.

66. THE ALARM RELAY UNIT MAY NOT BE REQUIRED IN ALL OFFICES, IF NOT ORDERING SHOULD BE REVISED TO "MODIFY TO OMIT" THE ALARM RELAY UNIT.

67. THIS DOCUMENT SHOULD BE USED IN CONJUNCTION WITH THE APPLICATION SCHEMATIC SD5D503-02.

68. SEE ED5D729-11 FOR ADDITIONAL CABLES.

69. CABINET ADDRESS LABELS ARE TO BE JOB ENGINEERED PER TABLE AA FOR THE ED5D184 CABINETS AND ED5D695-11 FOR THE ED5D741 OR ED5D785 CABINETS.

70. GROUP 23 AND 24 ARE FOR INITIAL ORDERS ONLY. IF A DIFFERENT LENGTH CABLE IS REQUIRED AFTER INITIAL ORDER, USE GROUP 25 & 26.

71. THE 25 FOOT CABLE LENGTH IS RECOMMENDED FOR RAISED FLOOR APPLICATIONS AND THE 50 FOOT CABLE LENGTH IS RECOMMENDED FOR CENTRAL OFFICE APPLICATIONS, BUT, IT IS UP TO THE INDIVIDUAL OFFICES TO DETERMINE THEIR EXACT REQUIREMENTS.

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.

ENGINEERING NOTES

***** CONTINUED *****

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"
FOR XON/XOFF PSTRU - SELECT "ENABLE"

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

11. SAVE THE NEW SETTINGS.

59. FOR APPLICATIONS WITH MORE THAN 4 AND UP TO 6 SWITCHES ORDER 1 ADDITIONAL SYNC CONTROLLER 4-PT RS232D. FOR APPLICATIONS WITH MORE THAN 6 AND UP TO 8 SWITCHES ORDER 1 ADDITIONAL SYNC CONTROLLER 4-PT RS232D.

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 ----- CONTINUED TO THE LEFT -----

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BT13

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

DWG SIZE C2
ISSUE 12

ED5D729-31

AT&T

ED5D729-31

SHEET A2
OF 26

TABLE A-FEATURES (CONTINUED)											
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
SHELF AND HARDWARE REQUIRED FOR MULTIPLE SWITCH CENTRAL OFFICE APPLICATIONS.	64		14								
SHELF REQUIRED FOR MULTIPLE SWITCH NON-CENTRAL OFFICE APPLICATIONS.	64		15								
EQUIPMENT REQUIRED WHEN ADDING ADDITIONAL ALI/DMS LINKS FOR PRIVATE LINE AND/OR DIAL-UP APPLICATIONS.			16								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 16 FOR PRIVATE LINE APPLICATIONS ONLY. DA EFF:01/24/95 FE/RA:NONE	63	DA	17								
EQUIPMENT REQUIRED FOR DUAL ESA CONFIGURATIONS WITH AN AUDIT LINK. REPL:NONE			18								
EQUIPMENT REQUIRED WHEN A DUPLEX AUDIT LINK IS REQUIRED. REPL:NONE			19								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 11 AND/OR GROUP 16 FOR DIAL-UP APPLICATIONS. (MAX 1 GROUP 20). REPL:NONE			20								
CABLES TO PROVIDE 25FT CONNECTION FROM ESA TO T-SWITCH & NULL MODEM. REPL:NONE	68 71		21								
CABLES TO PROVIDE 50FT CONNECTION FROM ESA TO T-SWITCH & NULL MODEM. REPL:NONE	68 71		22								
CABLE UPGRADE TO PROVIDE 25FT CONNECTION FROM ESA TO 9-TRACK TAPE. REPL:NONE	68 70 71		23								
CABLE UPGRADE TO PROVIDE 50FT CONNECTION FROM ESA TO 9-TRACK TAPE. REPL:NONE	68 70 71		24								
CABLE TO PROVIDE 25FT CONNECTION FROM ESA TO 9-TRACK TAPE. REPL:NONE	68 70 71		25								
CABLE TO PROVIDE 50FT CONNECTION FROM ESA TO 9-TRACK TAPE. REPL:NONE	68 70 71		26								
PERIPHERAL 5ESS-2000 CABINET ASSEMBLY FOR ONE ENHANCED 911 SERVICE ADJUNCT (ESA) WHEN ESA IS REQUIRED IN A CENTRAL OFFICE. DA EFF:03/22/94 FE:ED5D729-31,G36		DA	30								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 30,34 OR 36 PROVIDES CABINET STRIP INDICATOR. DA EFF:06/30/95 FE/RA:NONE		LA	31								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 30 OR 36 PROVIDES DOOR ASSEMBLIES REQUIRED FOR USE IN EMC TREATMENT COMPATIBLE APPLICATIONS. DA EFF:06/30/95 FE/RA:NONE		LA	32								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 30,34,36,40 OR 41 PROVIDES CABINET DESIGNATION LABEL. REPL:NONE	69		33								
TABLE-A CONTINUED											

TABLE A-FEATURES (CONTINUED)											
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
PERIPHERAL 5ESS-2000 CABINET ASSEMBLY (FOR USE IN NON-EMC TREATMENT COMPATIBLE APPLICATIONS) FOR ONE ENHANCED 911 SERVICE ADJUNCT (ESA) WHEN ESA IS REQUIRED IN A CENTRAL OFFICE. DA EFF:06/30/95 FE:ED5D729-31,G40		LA	34								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 34, PROVIDES DOOR ASSEMBLIES REQUIRED FOR USE IN NON-EMC TREATMENT COMPATIBLE APPLICATIONS. DA EFF:06/30/95 FE/RA:NONE		LA	35								
PERIPHERAL 5ESS-2000 CABINET ASSEMBLY (FOR USE IN EMC TREATMENT COMPATIBLE APPLICATIONS) FOR ONE ENHANCED 911 SERVICE ADJUNCT (ESA) WHEN ESA IS REQUIRED IN A CENTRAL OFFICE. DA EFF:06/30/95 FE:ED5D729-31,G41		LA	36								
PERIPHERAL 5ESS-2000 CABINET ASSEMBLY (FOR USE IN NON-EMC TREATMENT COMPATIBLE APPLICATIONS) FOR ONE ENHANCED 911 SERVICE ADJUNCT (ESA) WHEN ESA IS REQUIRED IN A CENTRAL OFFICE. REPL:ED5D729-31 G34			40	1 ED5D785-70 2 ED5D785-70	1A 2A 3C						
PERIPHERAL 5ESS-2000 CABINET ASSEMBLY (FOR USE IN EMC TREATMENT COMPATIBLE APPLICATIONS) FOR ONE ENHANCED 911 SERVICE ADJUNCT (ESA) WHEN ESA IS REQUIRED IN A CENTRAL OFFICE. REPL:ED5D729-31 G36			41	1 ED5D785-70 2 ED5D785-70	1A 2B,4 3D						
SPARE ASYNC CONTROL MODULE.	151		100								
SPARE CONVERTER, DC-DC 75W.	151		101								
SPARE FAN.	151		102								
SPARE SYNC CONTROL MODULE (4 PORT).	151		103								
SPARE 7B DII INTERFACE UNIT.	151		104								
SPARE 353A POWER SUPPLY.	151		105								
SPARE PDU -48V.	152		106								
SPARE PDU 240VAC, 20A.	153		107								
SPARE NT1U NETWORK TERMINATOR.	153		108								
SPARE TMR - 16 MEG.	154		109								
SPARE 1000 MB DISK DRIVE.	154		110								
SPARE CPU R3000-32 MEG W/COPROCESSOR.	154		111								
TABLE-A CONTINUED											

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BT13	
5ESS* SWITCHING EQUIPMENT SPECIFICATION FOR ENHANCED 911 SERVICE ADJUNCT (ESA) PHASE II	
DWG SIZE C2	ISSUE 12
AT&T	ED5D729-31
SHEET A3 OF 26	

ED5D729-31

TABLE A-FEATURES (CONTINUED)

EQUIPMENT		EQUIPMENT OR CIRCUIT DATA							SD EQUIVALENT		
DESCRIPTION	REF NOTE	RAT-ING	LIST OR GROUP	QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
SPARE IOP.	154		112								
SPARE SCSI CONTROL MODULE.	154		113								
SPARE DUAL SCSI CONTROL MODULE.	154		114								
SPARE SERVICE PROCESSOR.	154		115								
SPARE BULK POWER SUPPLY 240V.	156		116								
SPARE BATTERY MODULE 24V, 10A.	156		117								
SPARE CONVERTER DC/DC 150W. REPL:NONE	154		118								
SPARE SYNC CONTROLLER 4-PT, V.35. REPL:NONE	151		119								

END OF TABLE-A

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BT13

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

DWG SIZE
C2

ISSUE
12

ED5D729-31

AT&T

ED5D729-31

SHEET A4
OF 26

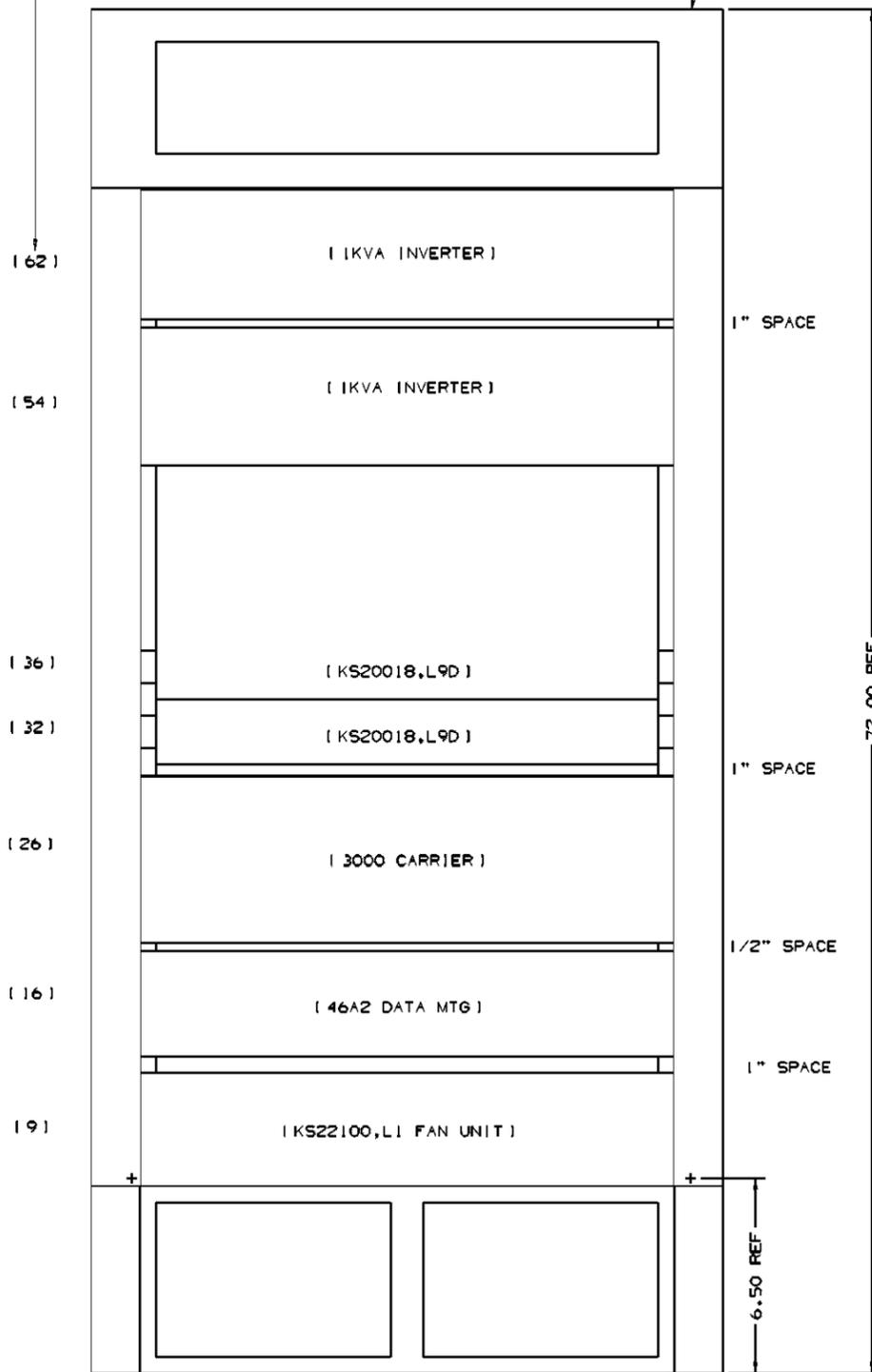
PRINTED IN U.S.A.

STAMP VERTICAL EOL
FRONT AND REAR

ED5D184-() CABINET
ED5D741-70 CABINET
OR
ED5D785-() CABINET

SD5D503-02

ED5D729-31



(1KVA INVERTER)

(1KVA INVERTER)

(KS20018.L9D)

(KS20018.L9D)

(3000 CARRIER)

(46A2 DATA MTG)

(KS22100.L1 FAN UNIT)

1" SPACE

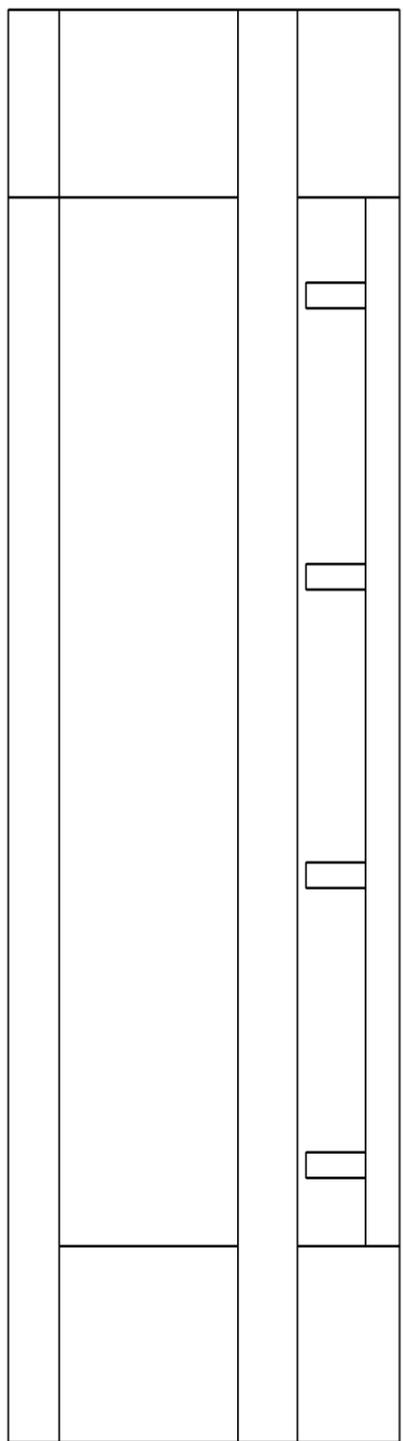
1" SPACE

1/2" SPACE

1" SPACE

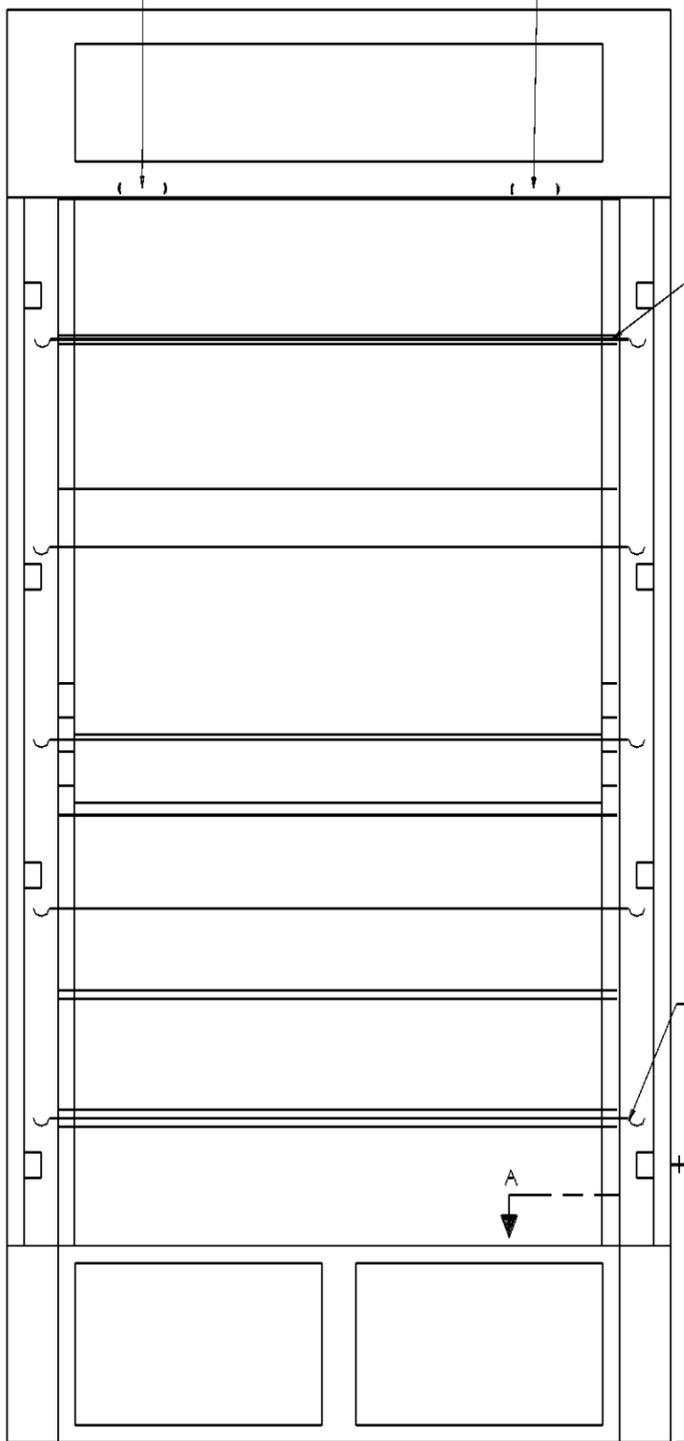
72.00 REF

29.94 REF
FRONT VIEW



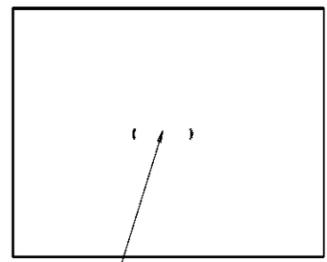
SIDE VIEW
FIG. 1

SHOWN WITHOUT DOORS & SIDE PANELS



843087073 CABLE
SUPPORT BRACKET
5 REOD (GROUPS 1, 34, 36)
847169182 CABLE
SUPPORT BRACKET
5 REOD (GROUPS 40,41)

840026835 HWH SCREW
10 REOD (GROUPS 1, 34, 36)
901271031 M6 SCREW HWH
10 REOD (GROUPS 40,41)



E911PC

VIEW A-A
SHOP STAMPING



8.00
DATUM

REAR VIEW

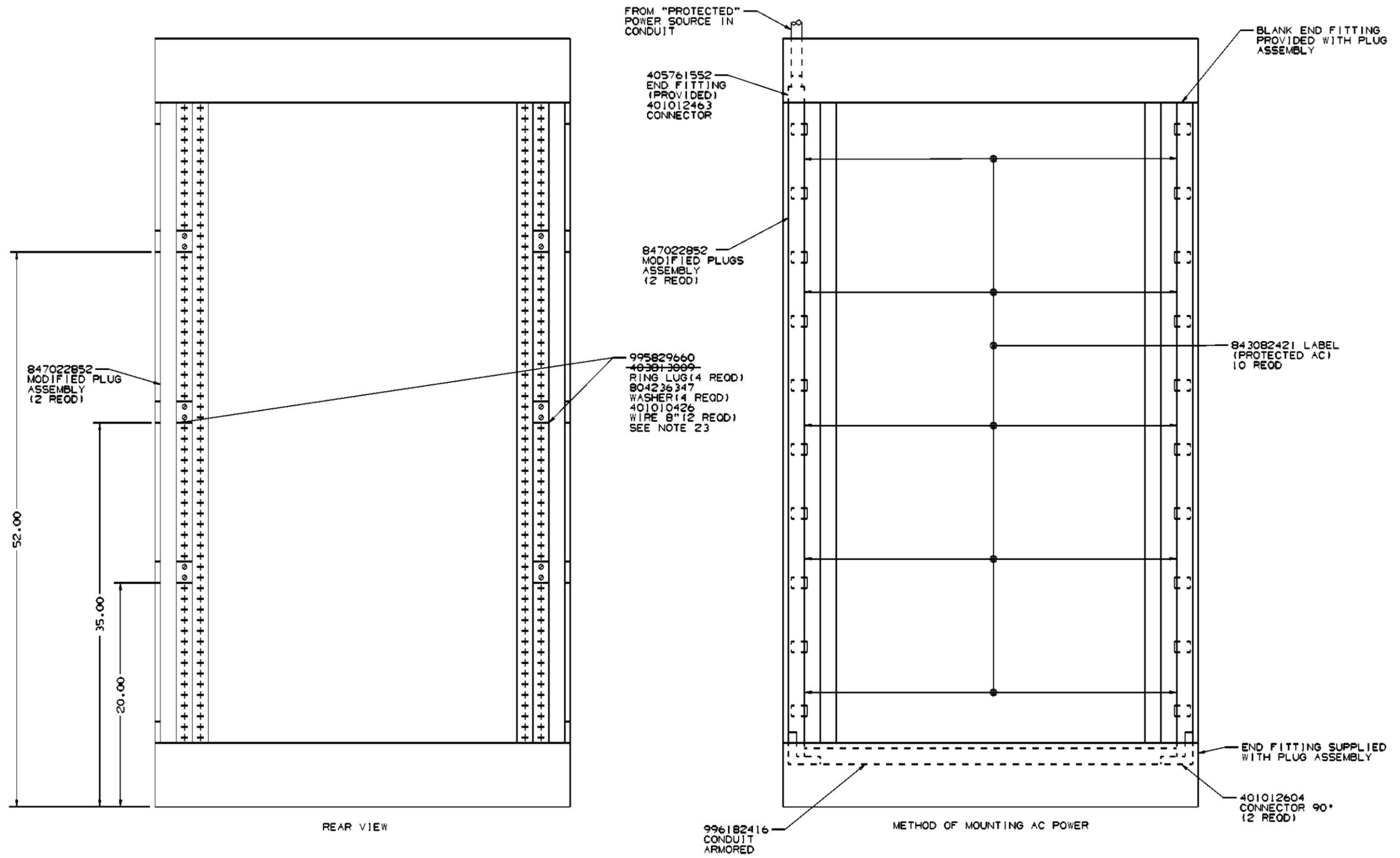
CONVERSION TABLE	
INCH	MM
6.50	165.1
8.00	203.2
19.13	485.8
29.94	760.48
72.00	182.88

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ENHANCED 911 SERVICE ADJUNCT
PHASE II
(ESA)

DWG SIZE C2	ISSUE 10
AT&T	ED5D729-31 SHEET B1

ED5D729-31



REAR VIEW

METHOD OF MOUNTING AC POWER

FIG. 2 (DA)
 TYPICAL METHOD OF MOUNTING
 AC POWER AND LABELS
 ED5D184-1) OR ED5D785-1)
 CABINET

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	c2	12
AT&T	ED5D729-31	SHEET B2

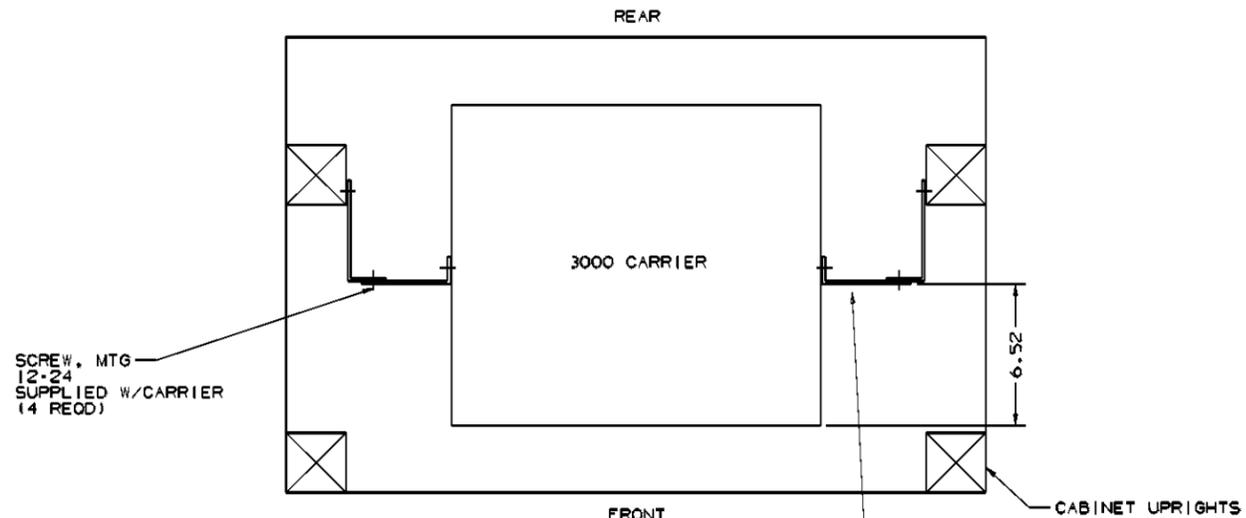


FIG. 3
TOP VIEW OF CABINET SHOWING
MOUNTING BRACKETS FOR 3000 CARRIER

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.

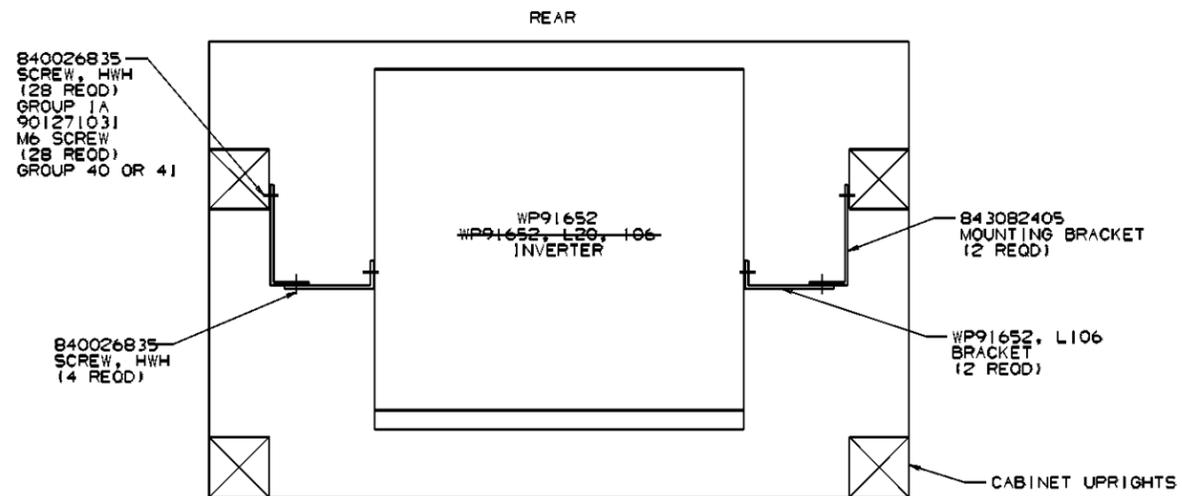


FIG. 4
TOP VIEW OF CABINET SHOWING MOUNTING
BRACKETS FOR WP91652, INVERTERS

TYPICAL METHOD OF MOUNTING
PERIPHERAL EQUIPMENT IN THE
ED5D184-(), ED5D741-()
OR
ED5D785-() CABINET

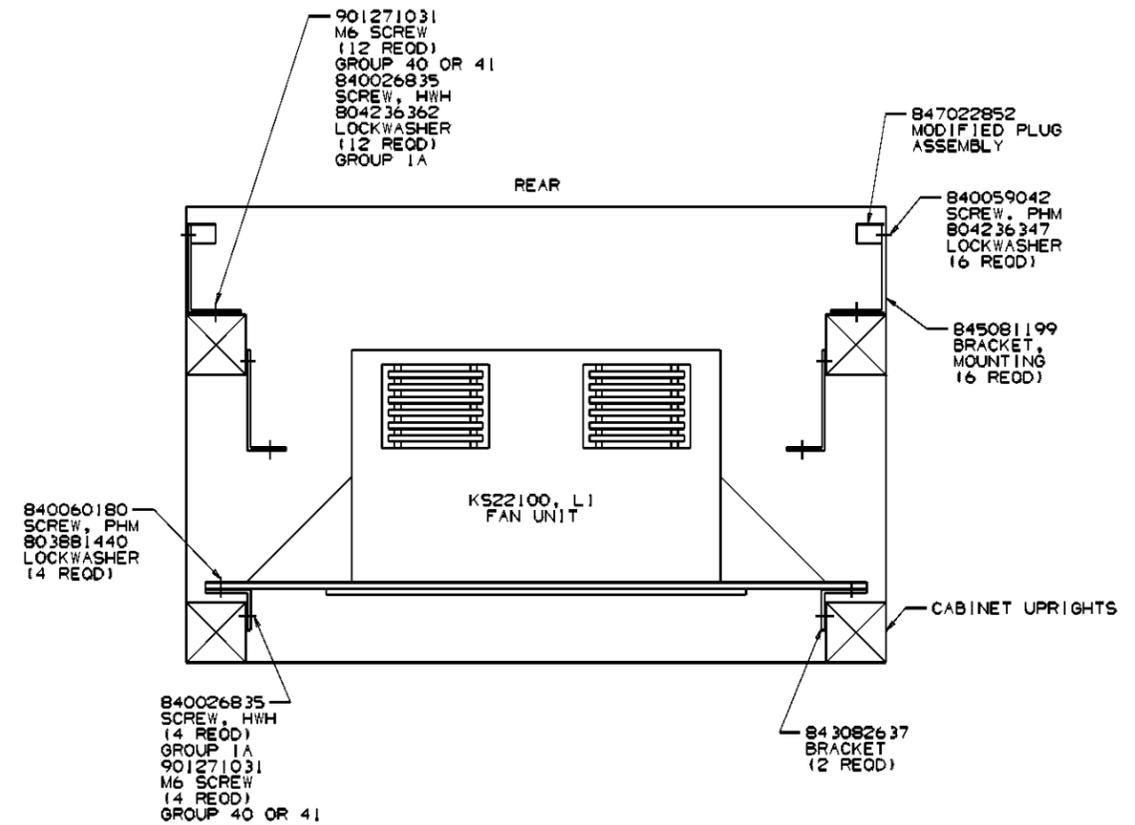


FIG. 5
TOP VIEW OF CABINET SHOWING
MOUNTING BRACKETS FOR FAN UNIT
KS22100, L1

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ENHANCED 911 SERVICE ADJUNCT PHASE II (ESA)	DWG SIZE	ISSUE
	C2	10
AT&T	ED5D729-31	SHEET B3

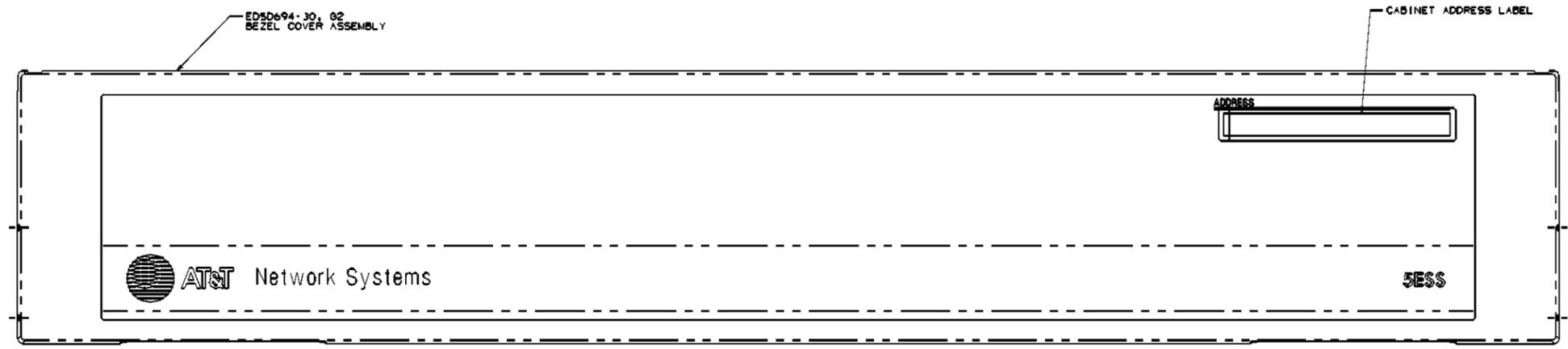
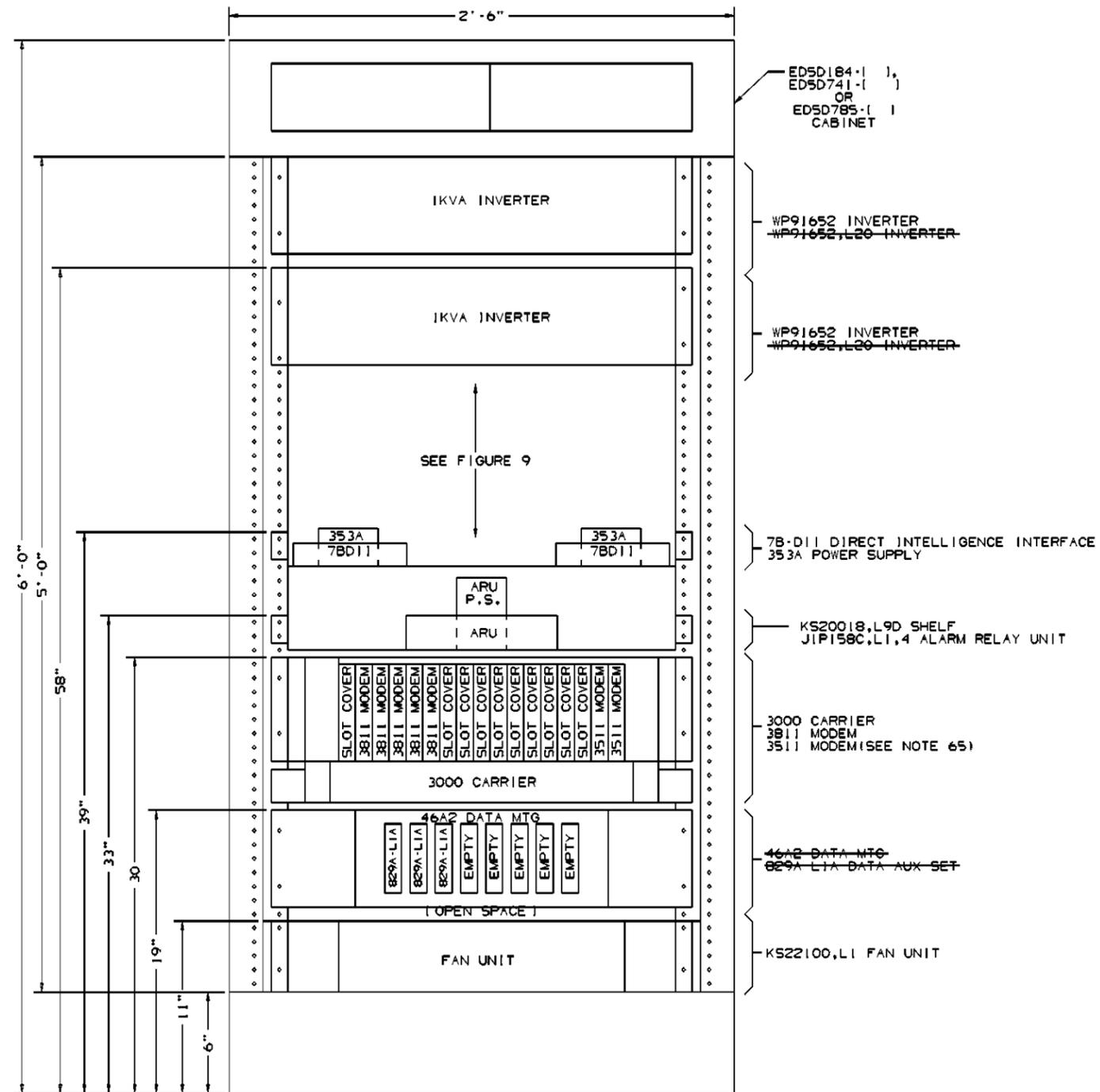


FIG. 6
FRONT AND REAR BEZEL COVER

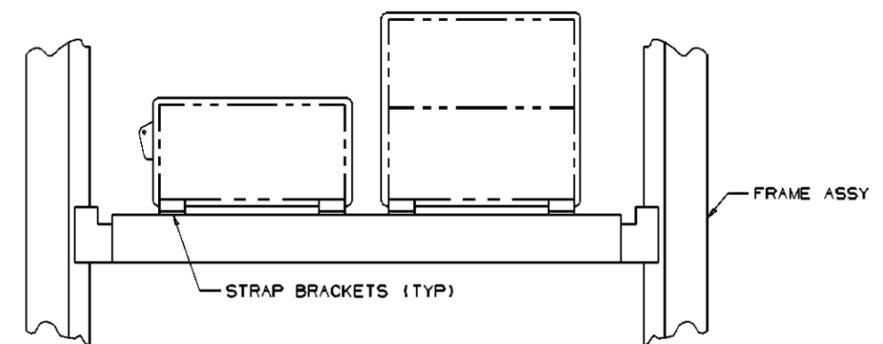
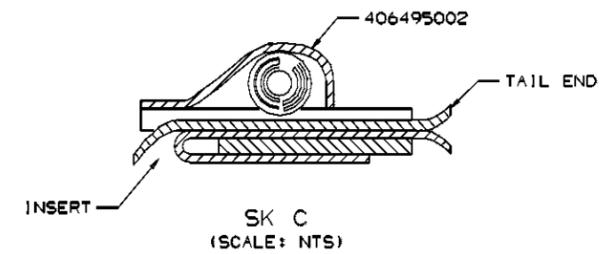
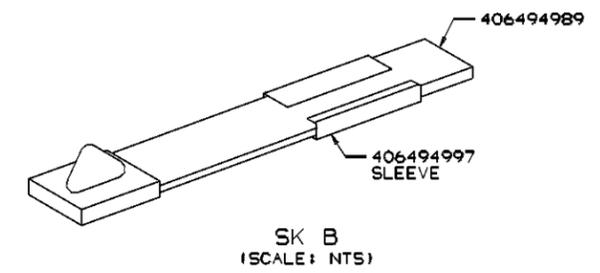
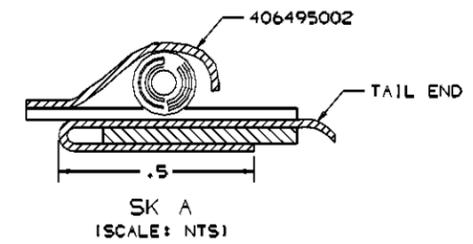
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ED5D729-31

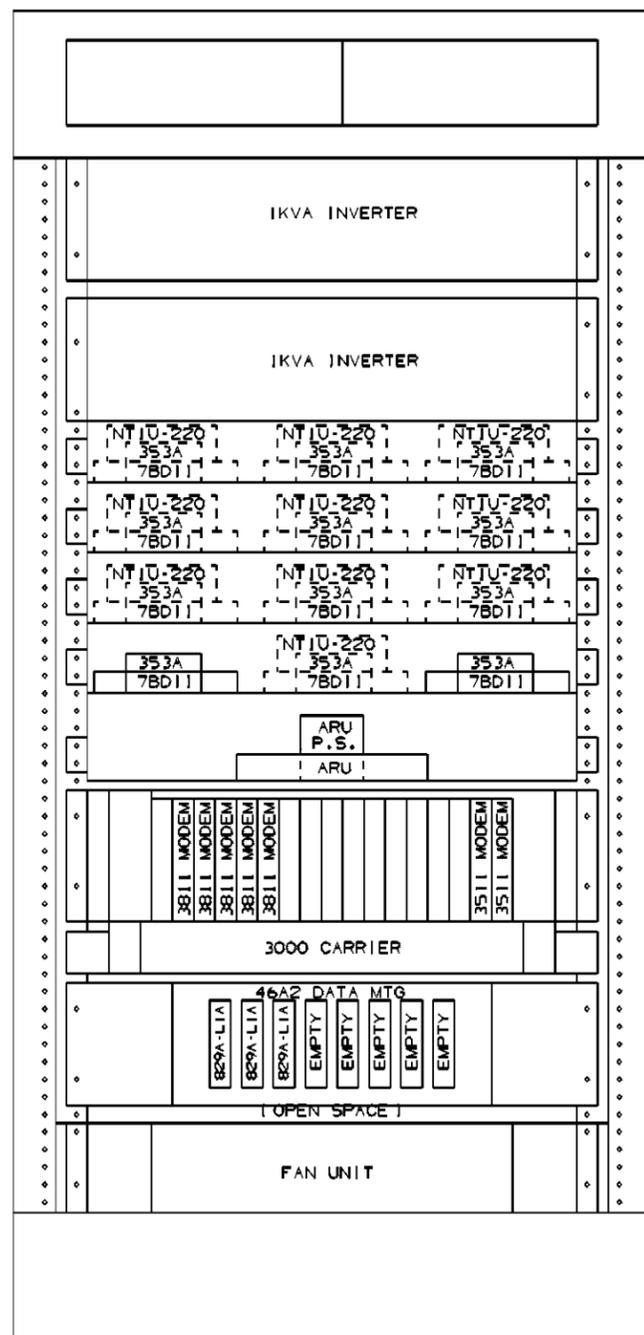


ENHANCED 911 PERIPHERAL CABINET
(FRONT VIEW)
FIG. 7



FRONT VIEW
FIG. 8
METHOD OF STRAPPING
TYPICAL PERIPHERAL EQUIPMENT
SEE NOTES 18 & 55

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ENHANCED 911 PERIPHERAL CABINET
(FRONT VIEW)
FIG. 9

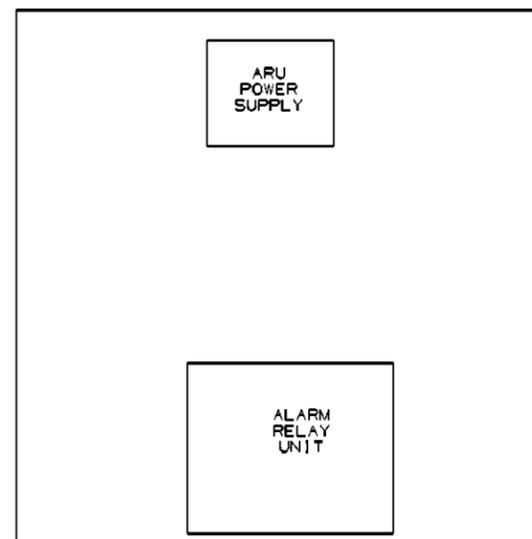
DOTTED ITEMS REPRESENT ADDITIONAL
HARDWARE THAT MAY BE REQUIRED,
TO BE DETERMINED BY THE CUSTOMER.
(SEE NOTES 62 & 64).

DETAIL B

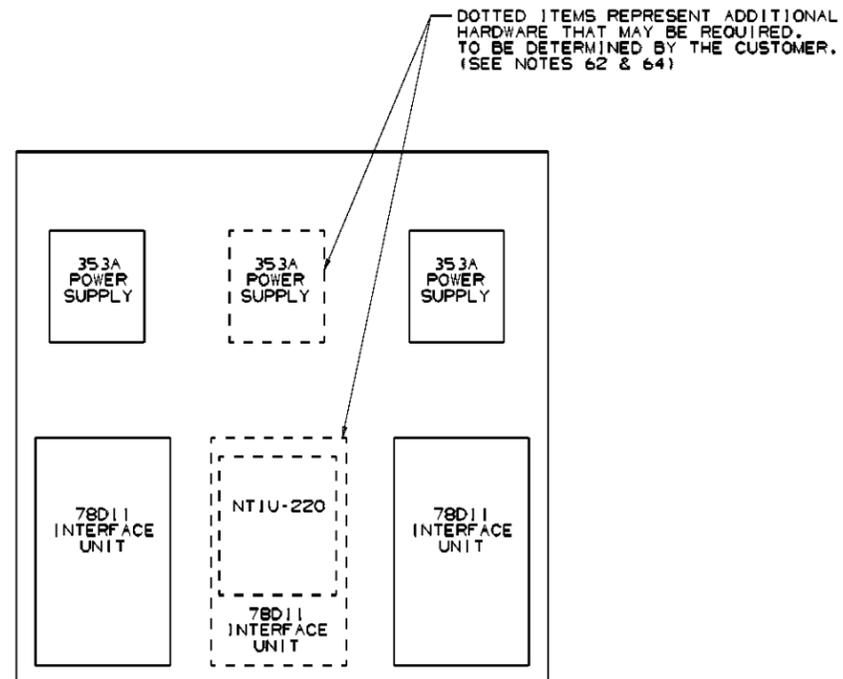
DETAIL C

3511 MODEM
(SEE NOTE 65)

46A2 DATA MTG
B29A-LIA DATA AUX SET

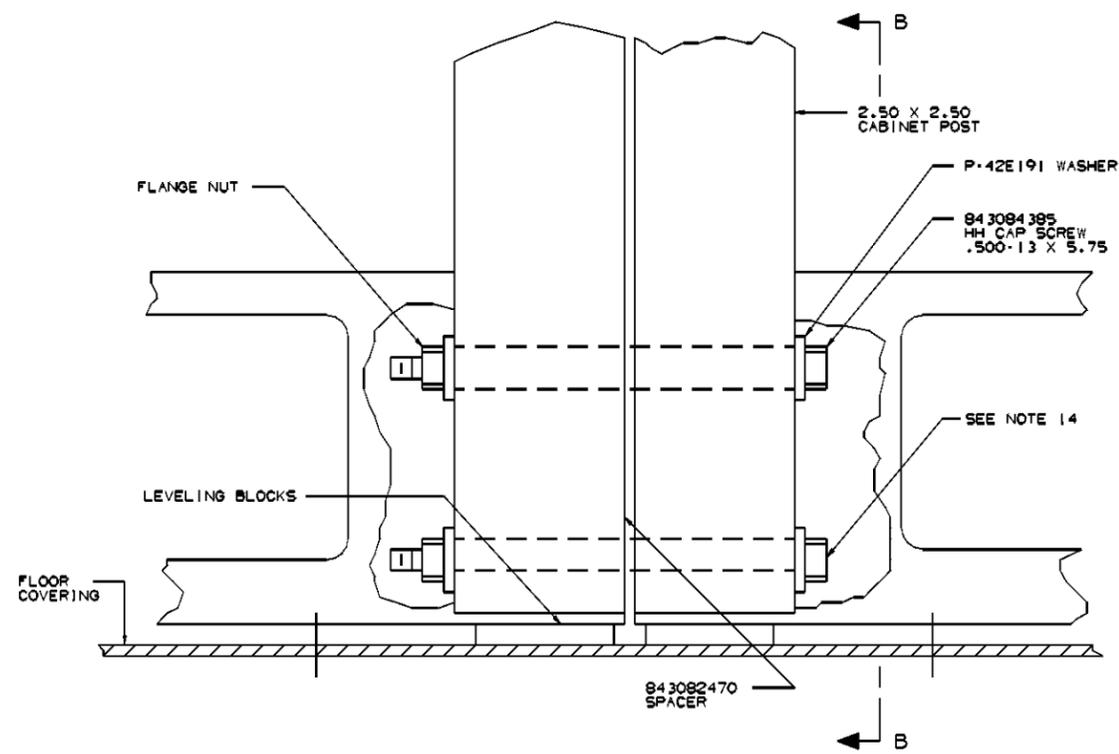


DETAIL C

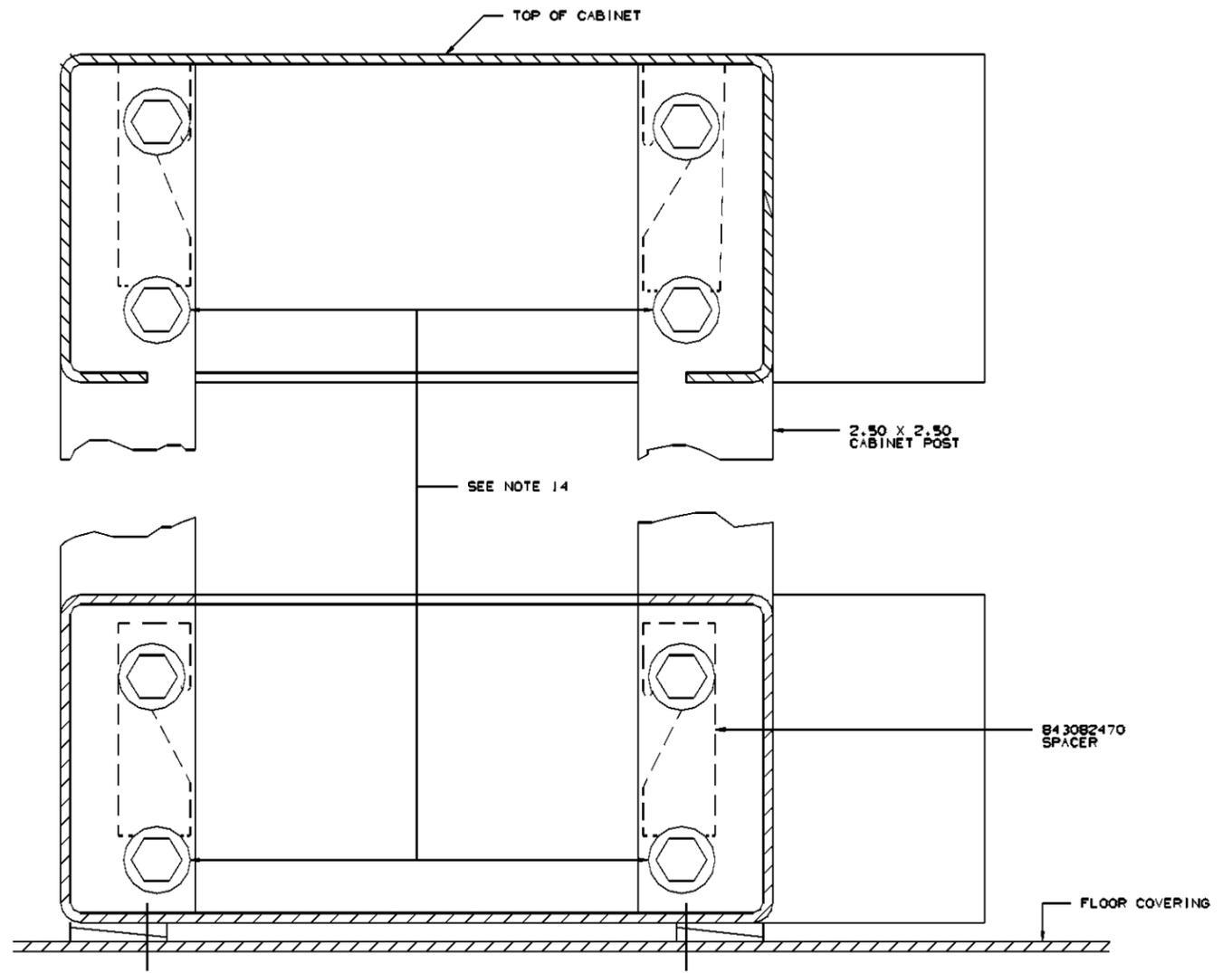


DETAIL B

DOTTED ITEMS REPRESENT ADDITIONAL
HARDWARE THAT MAY BE REQUIRED,
TO BE DETERMINED BY THE CUSTOMER.
(SEE NOTES 62 & 64)



FRONT VIEW
(DOORS REMOVED)
METHOD OF JUNCTIONING ONE CABINET TO ANOTHER CABINET
FIG. 10



VIEW B-B
(SEE NOTE 13 & 15)

SEE PROPRIETARY NOTICE ON SHEET ONE

ENHANCED 911 SERVICE ADJUNCT
PHASE III
(ESA)

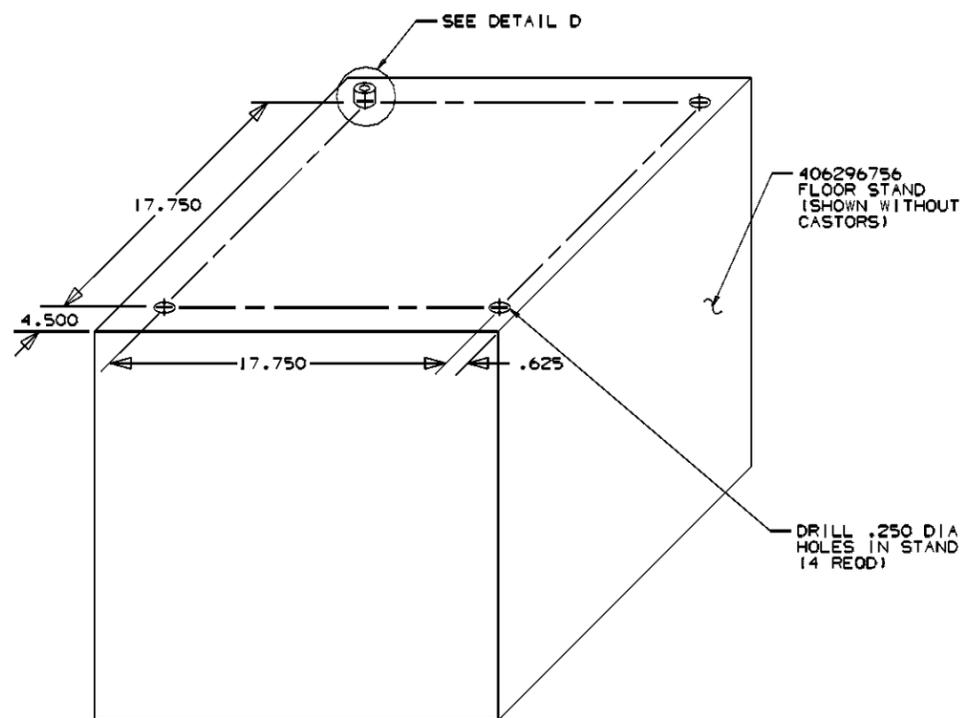
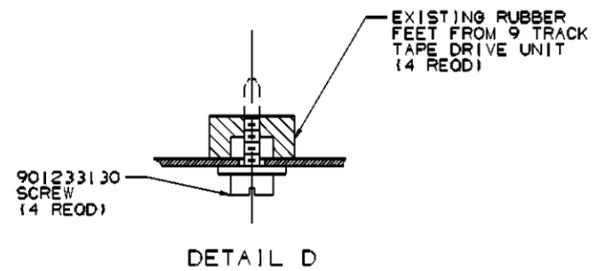
DWG SIZE
C2

ISSUE
1

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

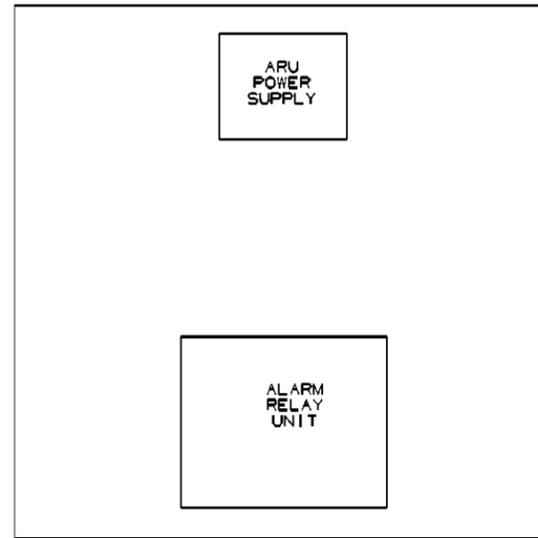
FIG. 13

SEE PROPRIETARY NOTICE ON SHEET ONE

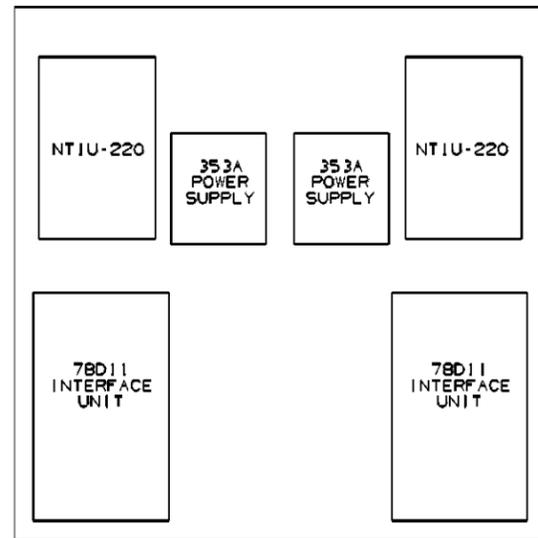
ENHANCED 911 SERVICE ADJUNCT
PHASE II
(ESA)

DWG SIZE
C2

ISSUE
1

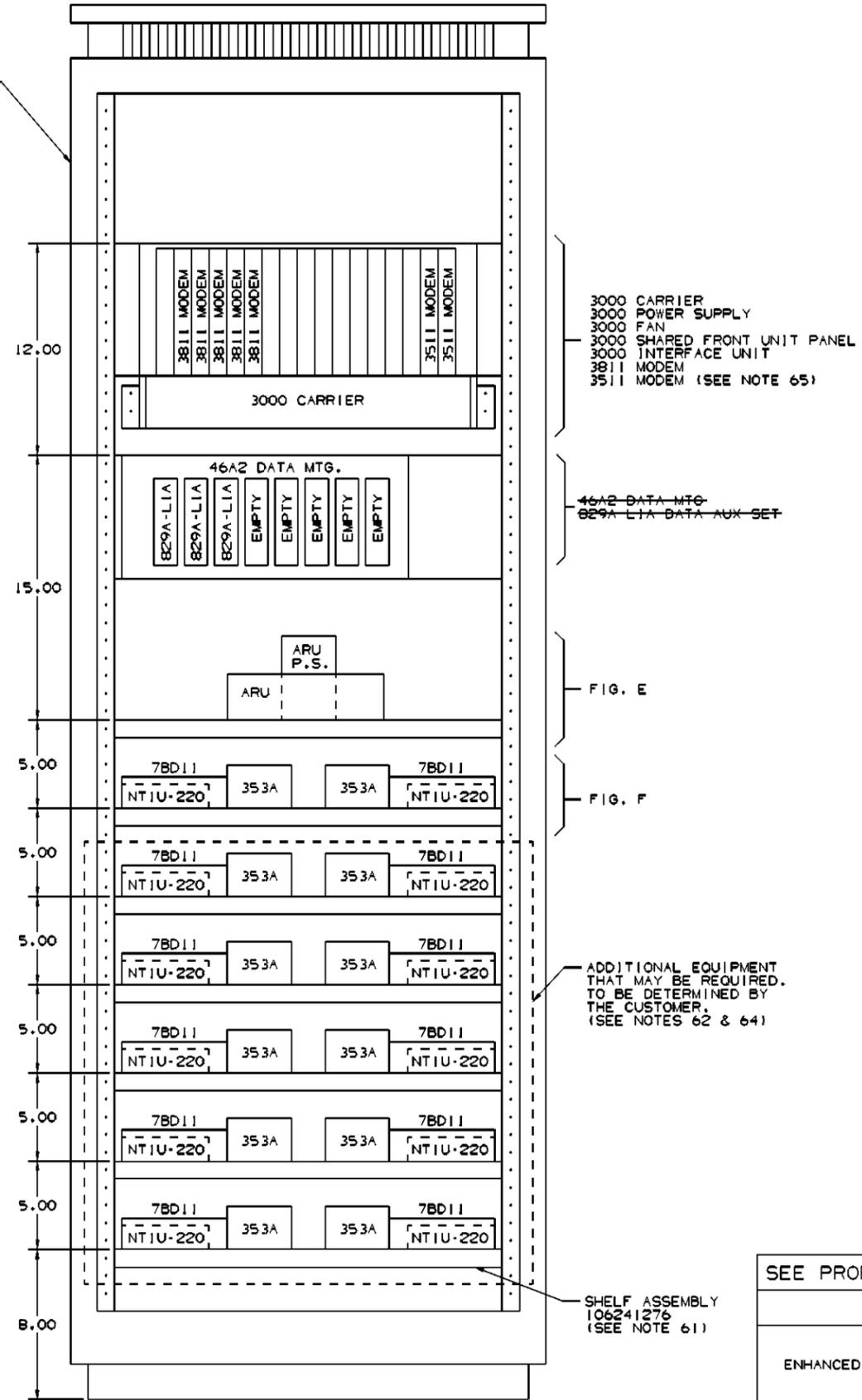


DETAIL E



DETAIL F

CABINET
106241268



FRONT VIEW

FIG. 14

3000 CARRIER
3000 POWER SUPPLY
3000 FAN
3000 SHARED FRONT UNIT PANEL
3000 INTERFACE UNIT
3811 MODEM
3511 MODEM (SEE NOTE 65)

46A2 DATA MTG.
829A-LIA DATA AUX SET

FIG. E

FIG. F

ADDITIONAL EQUIPMENT
THAT MAY BE REQUIRED,
TO BE DETERMINED BY
THE CUSTOMER,
(SEE NOTES 62 & 64)

SHELF ASSEMBLY
106241276
(SEE NOTE 61)

SEE PROPRIETARY NOTICE ON SHEET ONE

ENHANCED 911 SERVICE ADJUNCT
PHASE II
(ESA)

DWG SIZE
C2

ISSUE
12

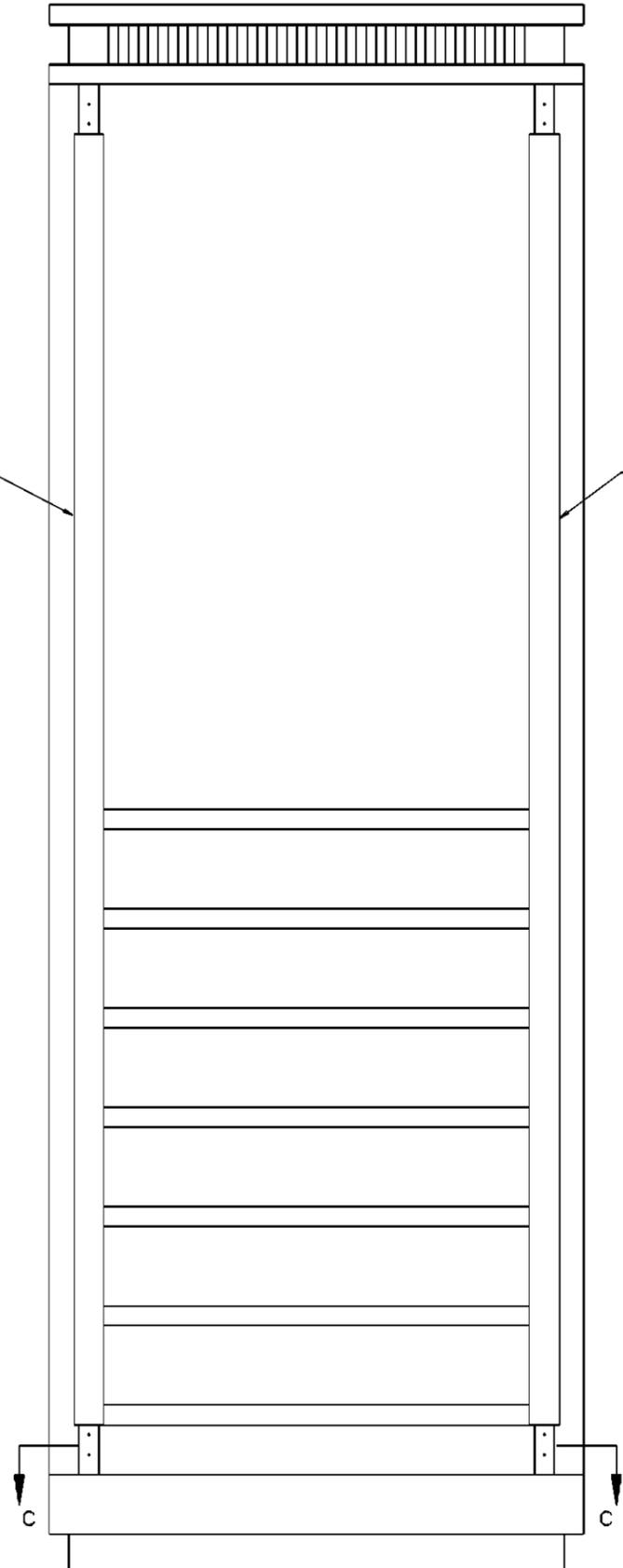
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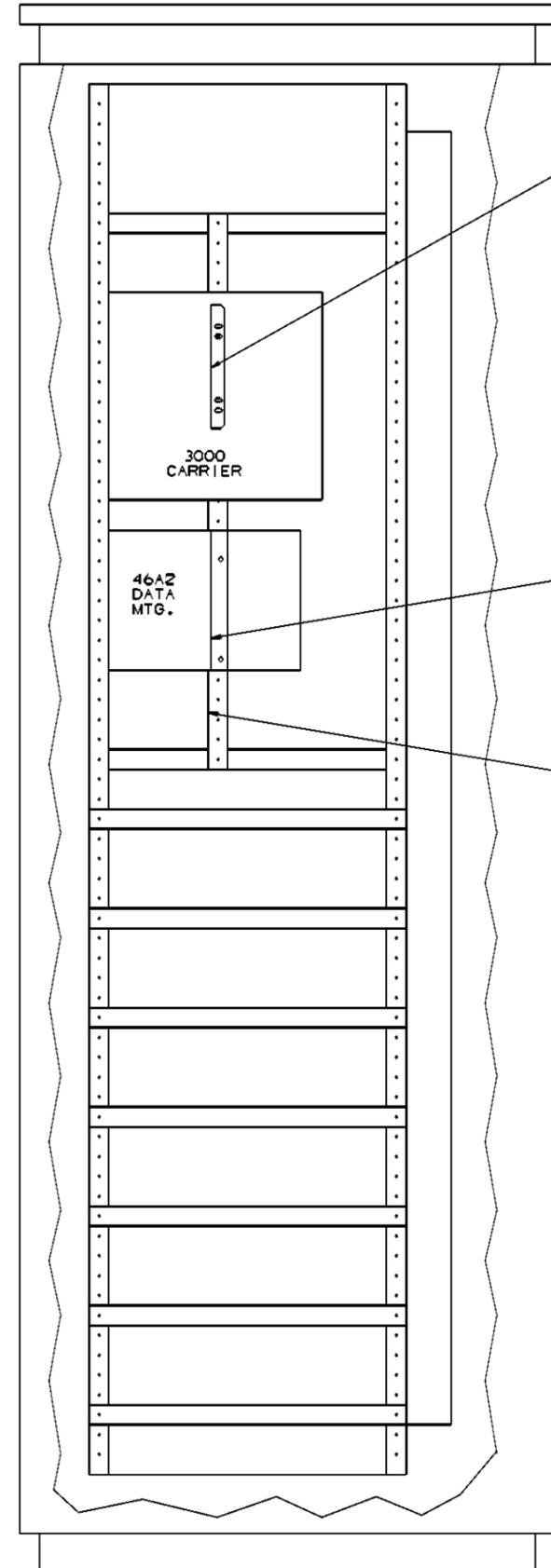
SHEET
B10
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9. OUTLET
AC STRIP
106241300

9. OUTLET
AC STRIP
106241300



REAR VIEW



SIDE VIEW

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)

ED5D729-31

FIG. 15

SEE PROPRIETARY NOTICE ON SHEET ONE

ENHANCED 911 SERVICE ADJUNCT
PHASE 11
(ESA)

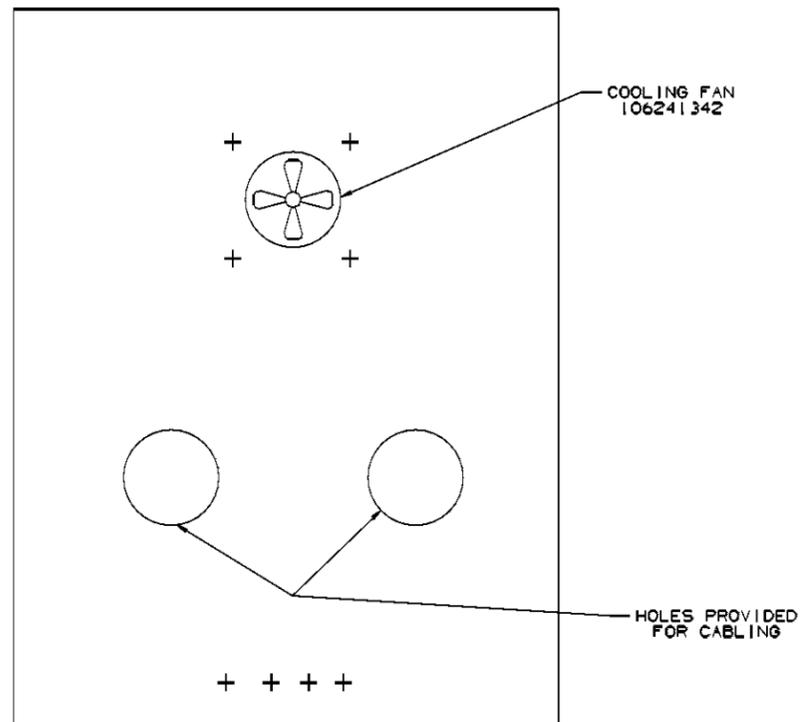
DWG SIZE
C2

ISSUE
12

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SECTION C-C
TOP VIEW BOTTOM

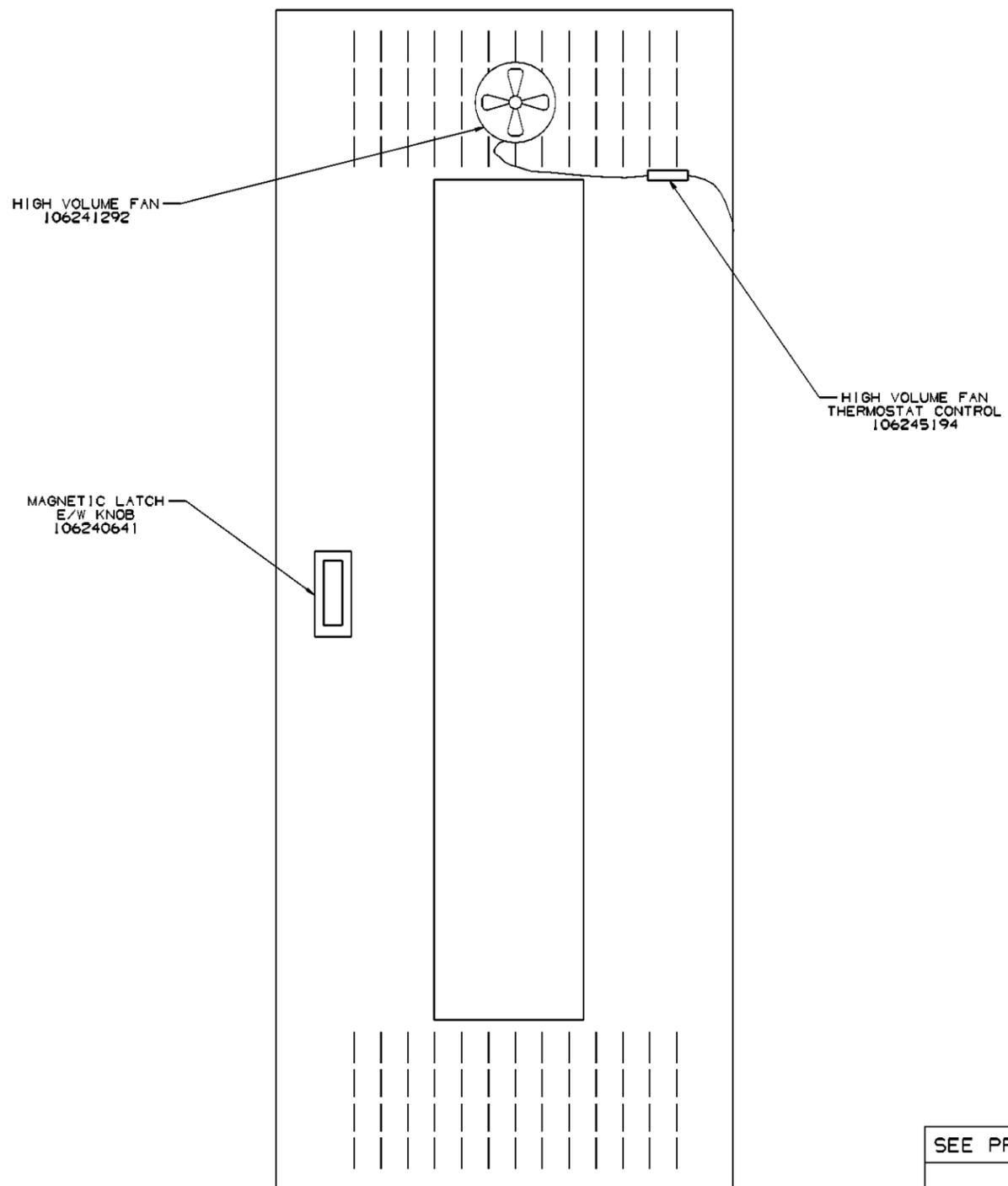


FIG. 16
INSIDE VIEW REAR DOOR

SEE PROPRIETARY NOTICE ON SHEET ONE

ENHANCED 911 SERVICE ADJUNCT
PHASE II
(ESA)

DWG SIZE
C2

ISSUE
1

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SHEET
B12

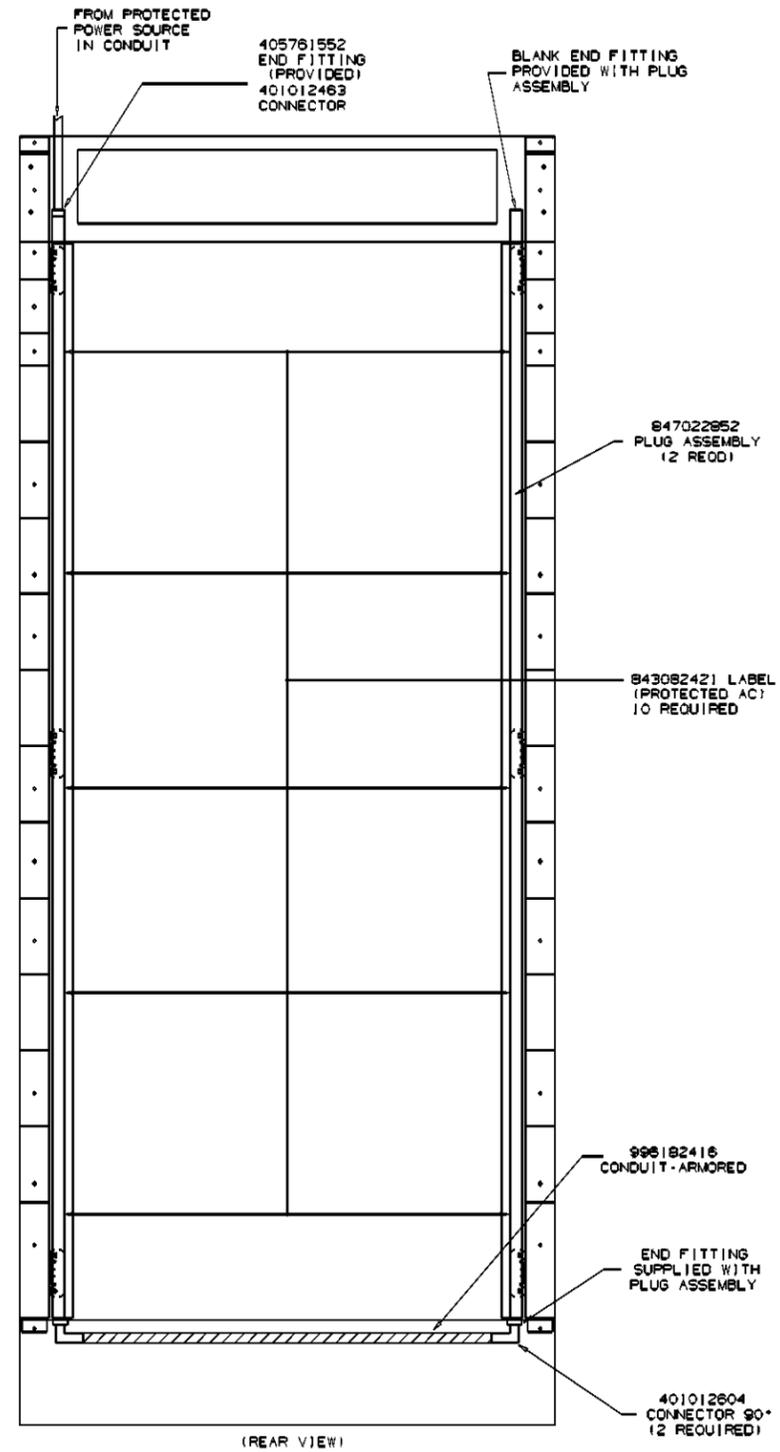
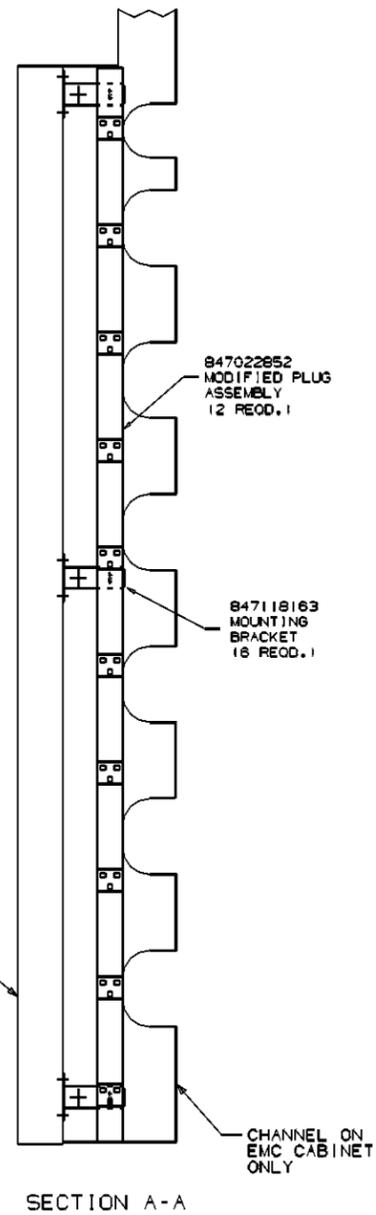
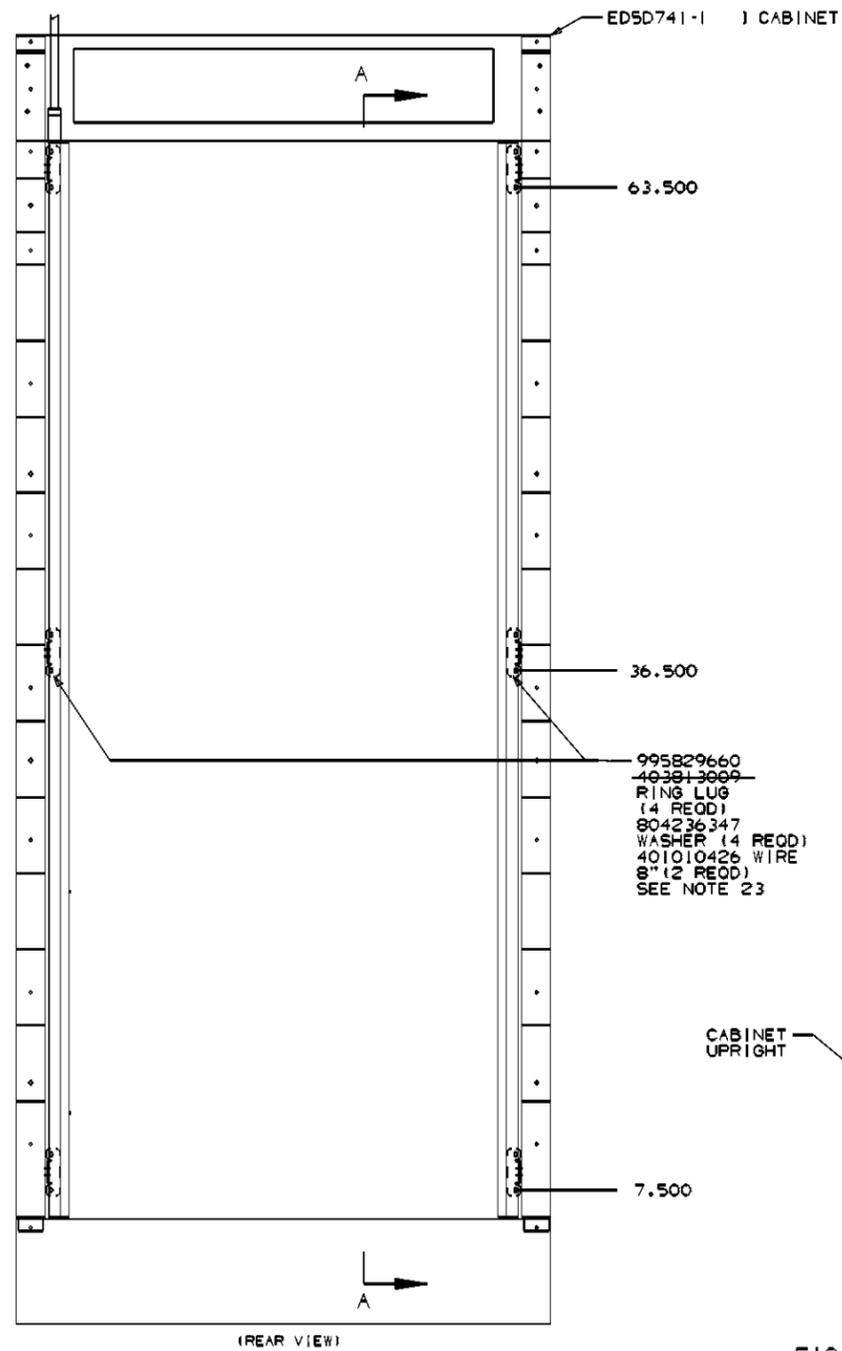
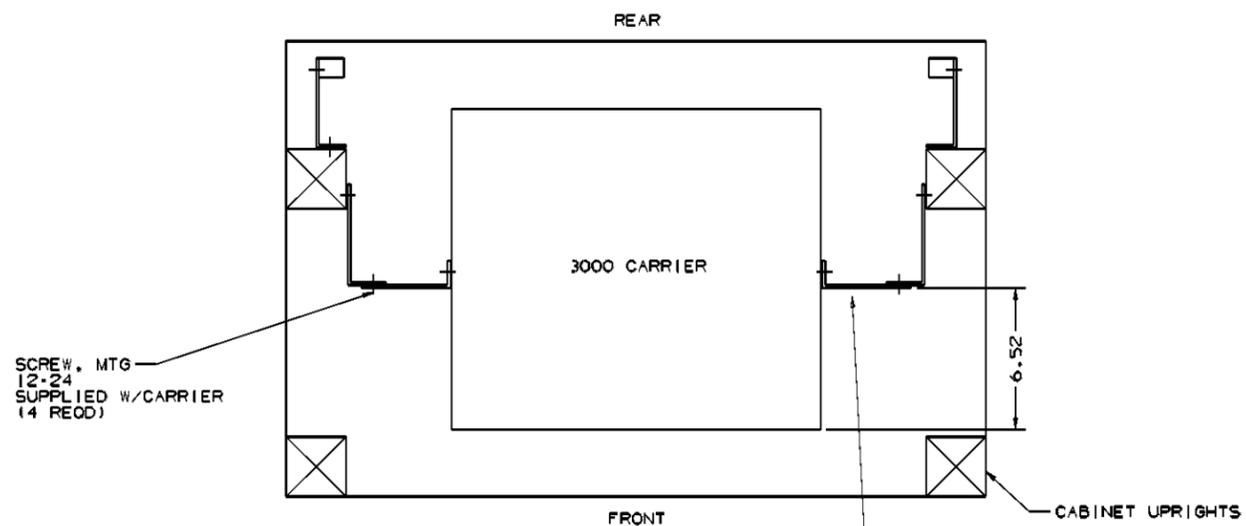


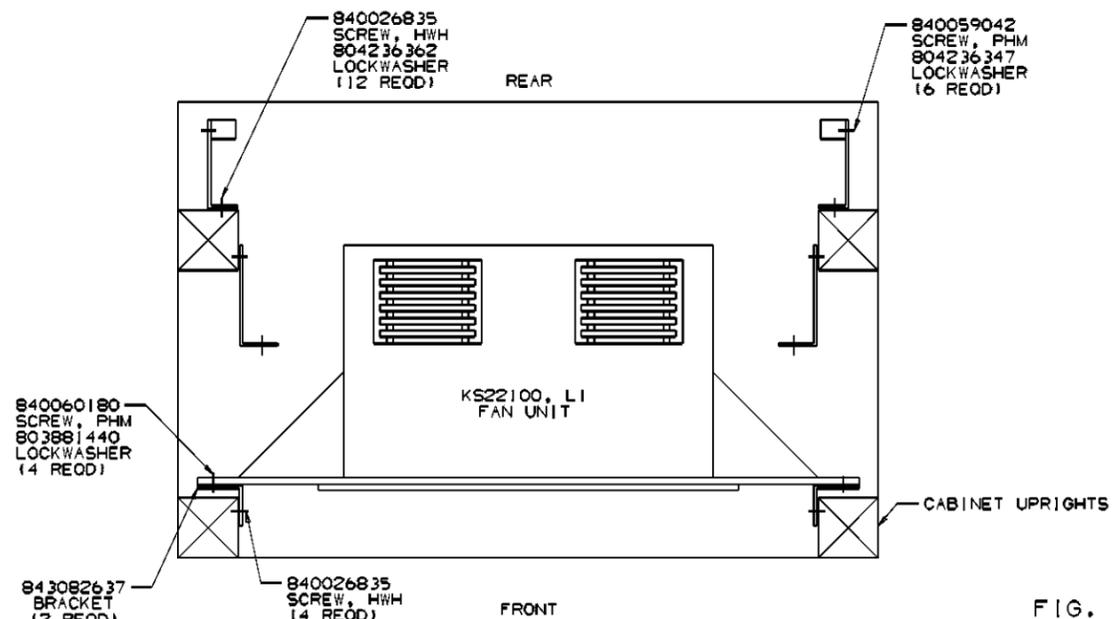
FIG. 17 (DA)
TYPICAL METHOD OF
MOUNTING AC POWER AND LABELS
ED5D741-1 EMC CABINET

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ENHANCED 911 SERVICE ADJUNCT PHASE 11 (ESA)	DWG SIZE	ISSUE
	c2	12
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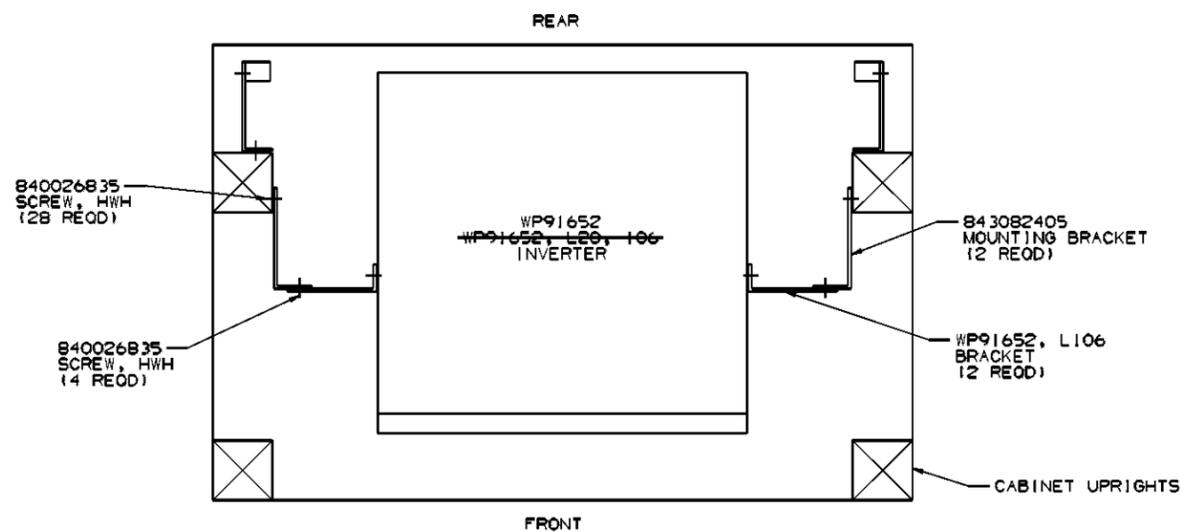


TOP VIEW OF CABINET SHOWING MOUNTING BRACKETS FOR 3000 CARRIER

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.



TOP VIEW OF CABINET SHOWING MOUNTING BRACKETS FOR FAN UNIT KS22100, L1



TOP VIEW OF CABINET SHOWING MOUNTING BRACKETS FOR WP91652, INVERTERS

FIG. 18
TYPICAL METHOD OF MOUNTING PERIPHERAL EQUIPMENT IN THE ED5D741-1 CABINET

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ENHANCED 911 SERVICE ADJUNCT
PHASE II
(ESA)

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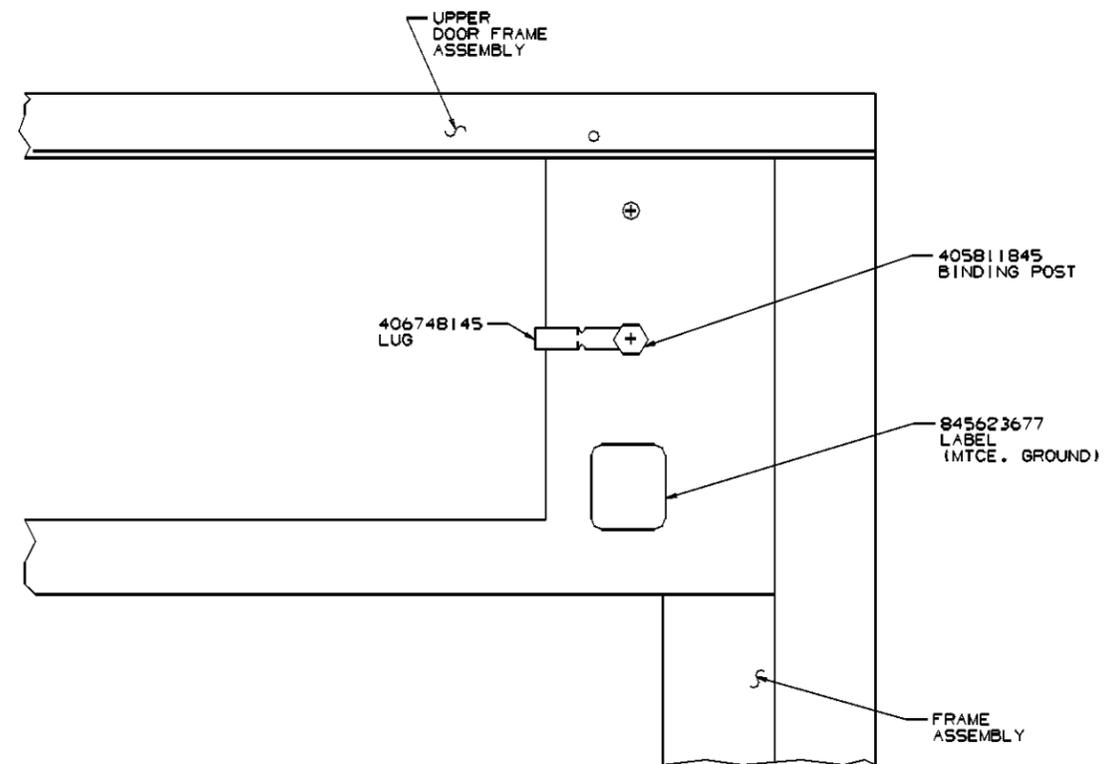
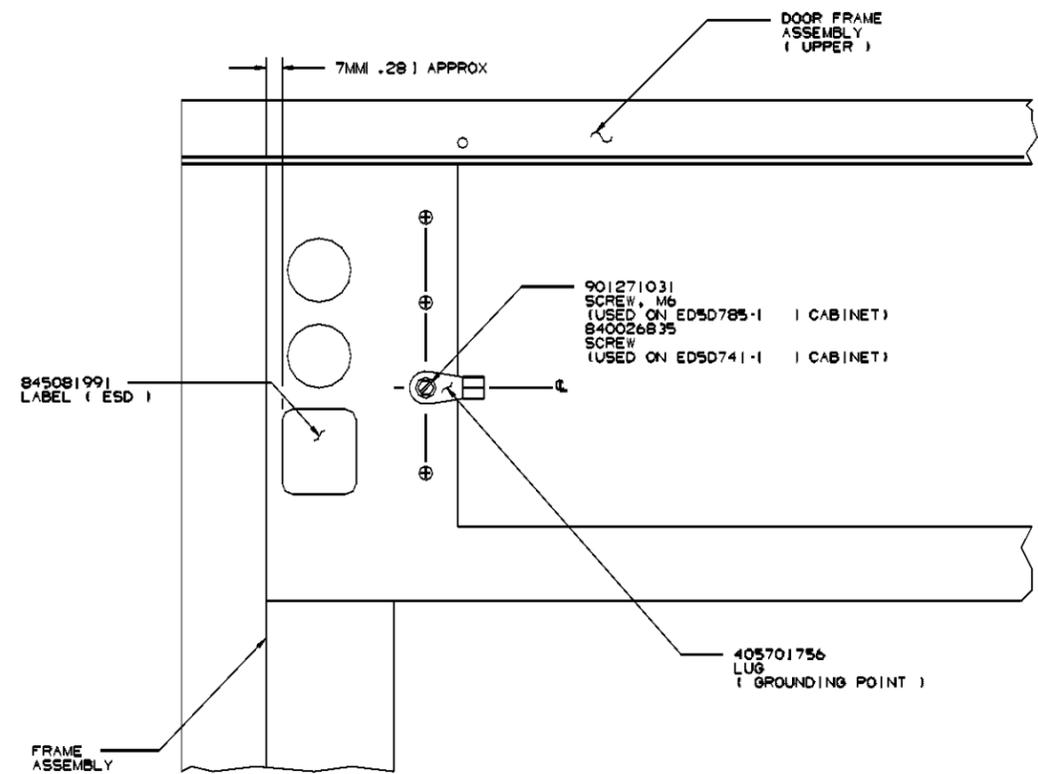
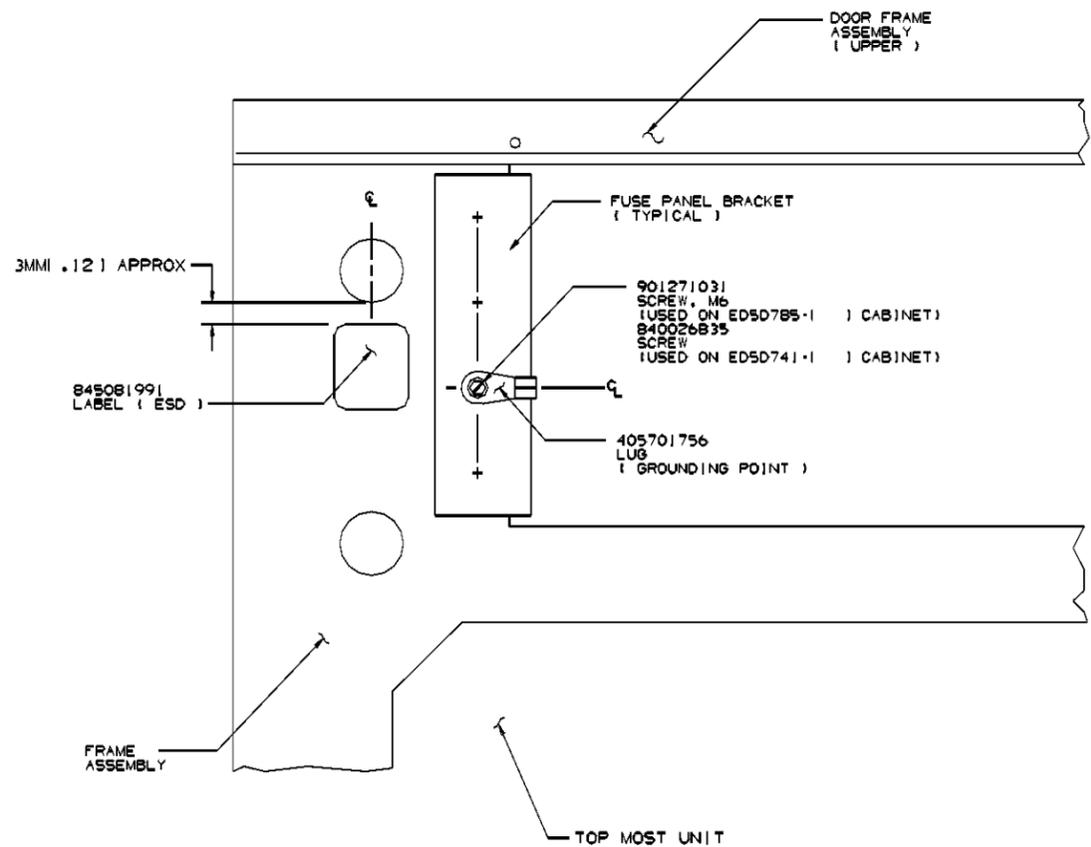


FIG. 19
WIRING SIDE
(DOORS REMOVED FOR CLARITY)

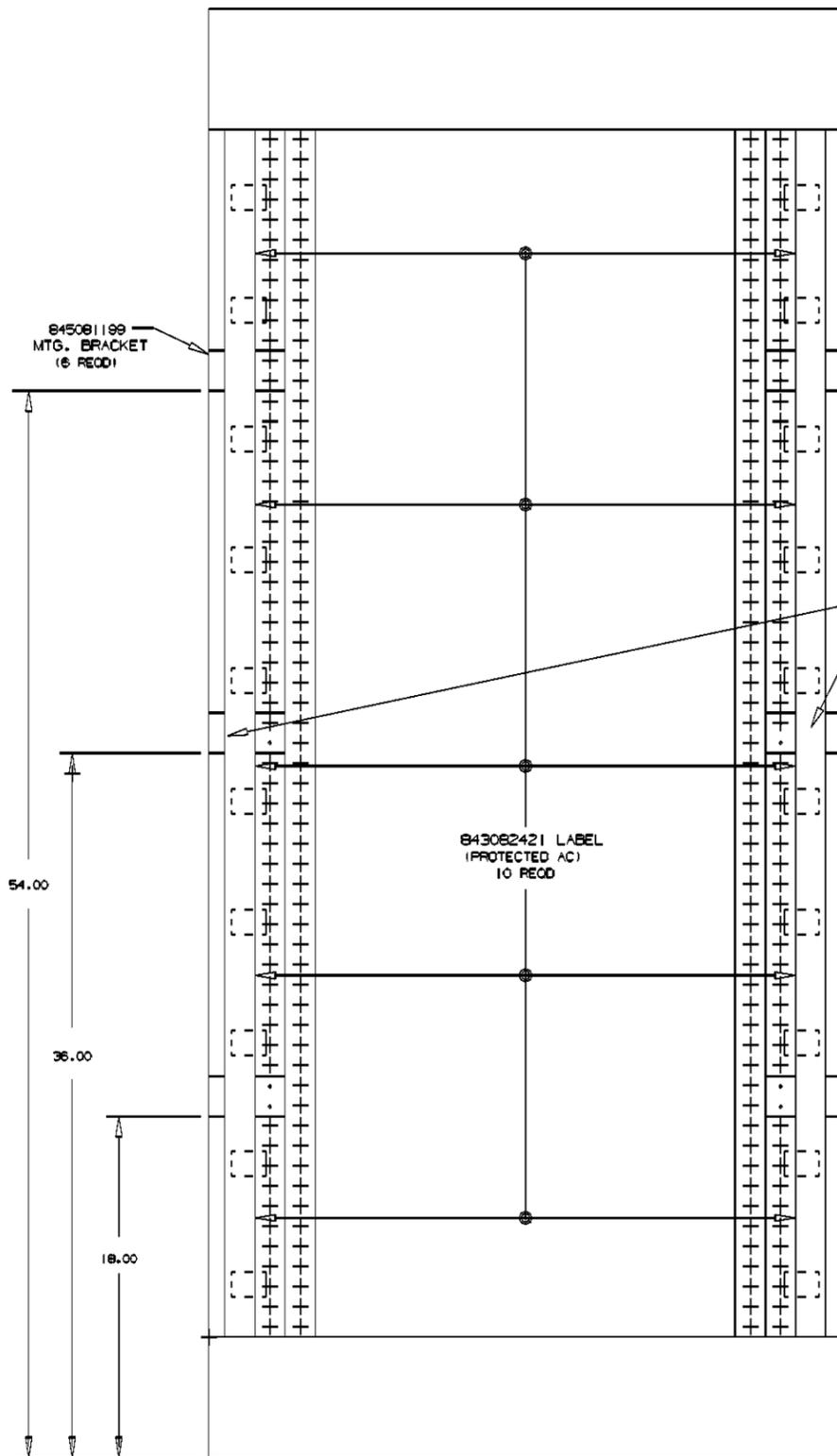


EQUIPMENT SIDE
(DOORS REMOVED FOR CLARITY)

FIG. 20
TYPICAL ESD GROUNDING
ED5D741-1) CABINET
OR
ED5D785-1) CABINET

ED5D729-31

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ENHANCED 911 SERVICE ADJUNCT PHASE 1) (ESA)	DWG SIZE	ISSUE
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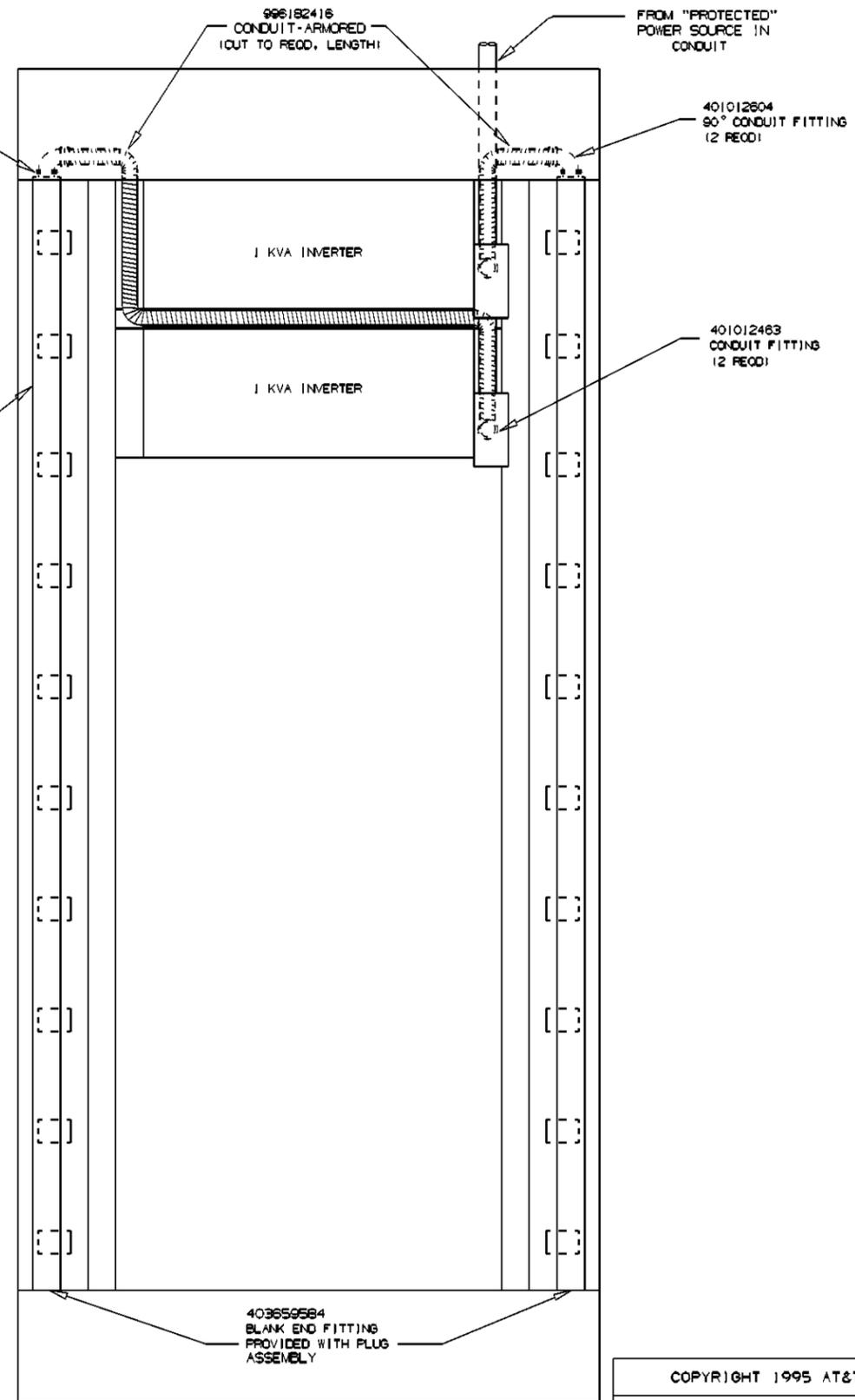


(REAR VIEW)

405761522
ENTRANCE END
FITTING PROVIDED
WITH MODIFIED
PLUG ASSEMBLY
(2 RECD)

847022852
MODIFIED PLUGS
ASSEMBLY
(2 RECD)

995829660
RING LUG (14 RECD)
804236347
WASHER (14 RECD)
401010428
WIRE 8" (12 RECD)
SEE NOTE 23



(REAR VIEW)

FIG. 21
TYPICAL METHOD OF MOUNTING
AC POWER AND LABELS
ED5D184-1) OR ED5D785-1)
CABINETS

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ENHANCED 911 SERVICE ADJUNCT
PHASE II
(ESA)

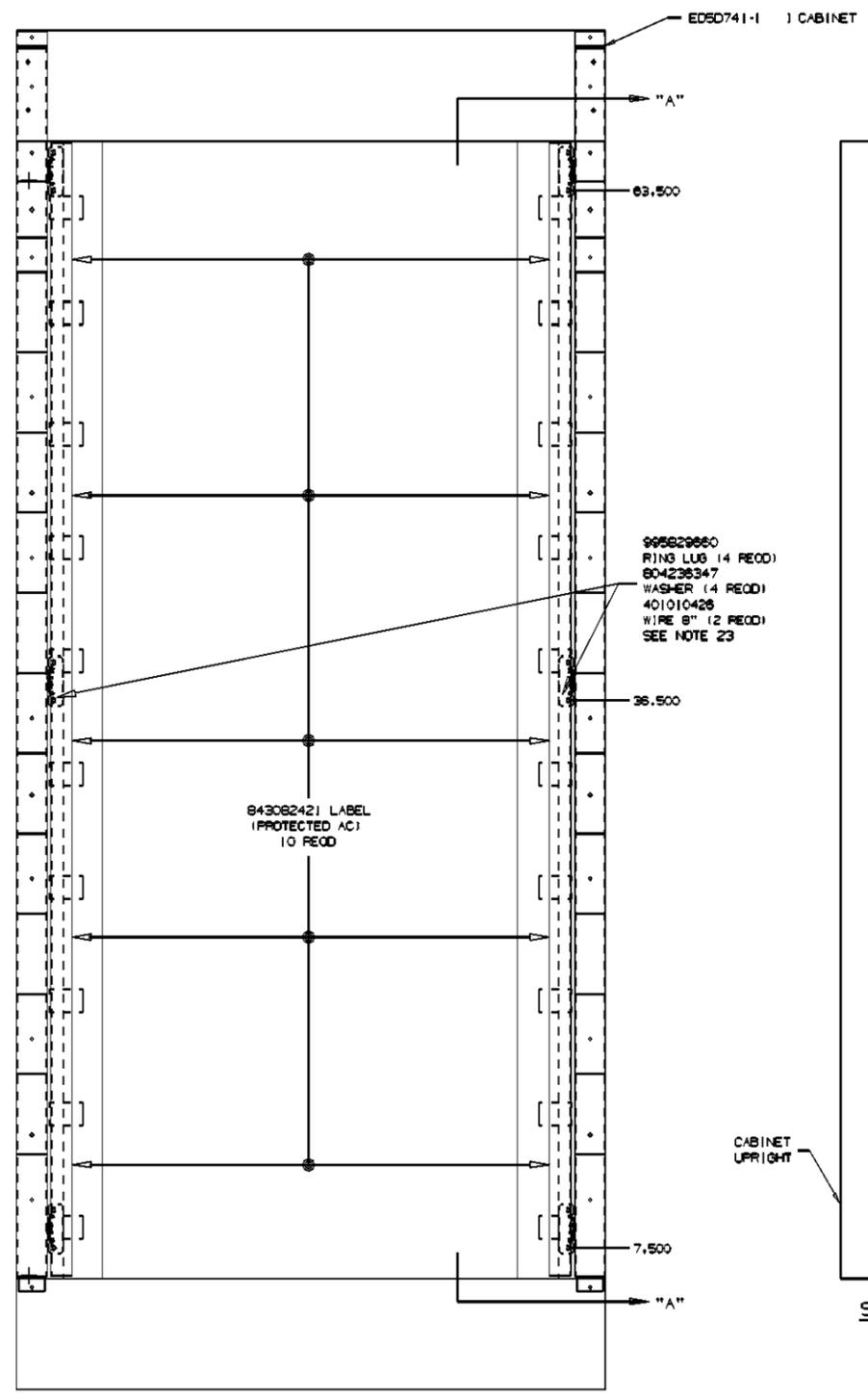
DWG SIZE
C2

ISSUE
12

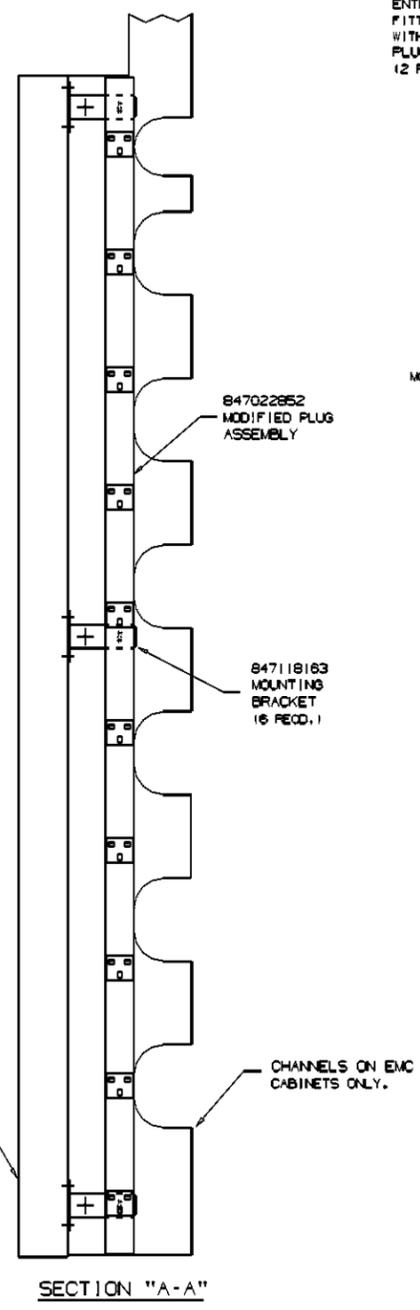
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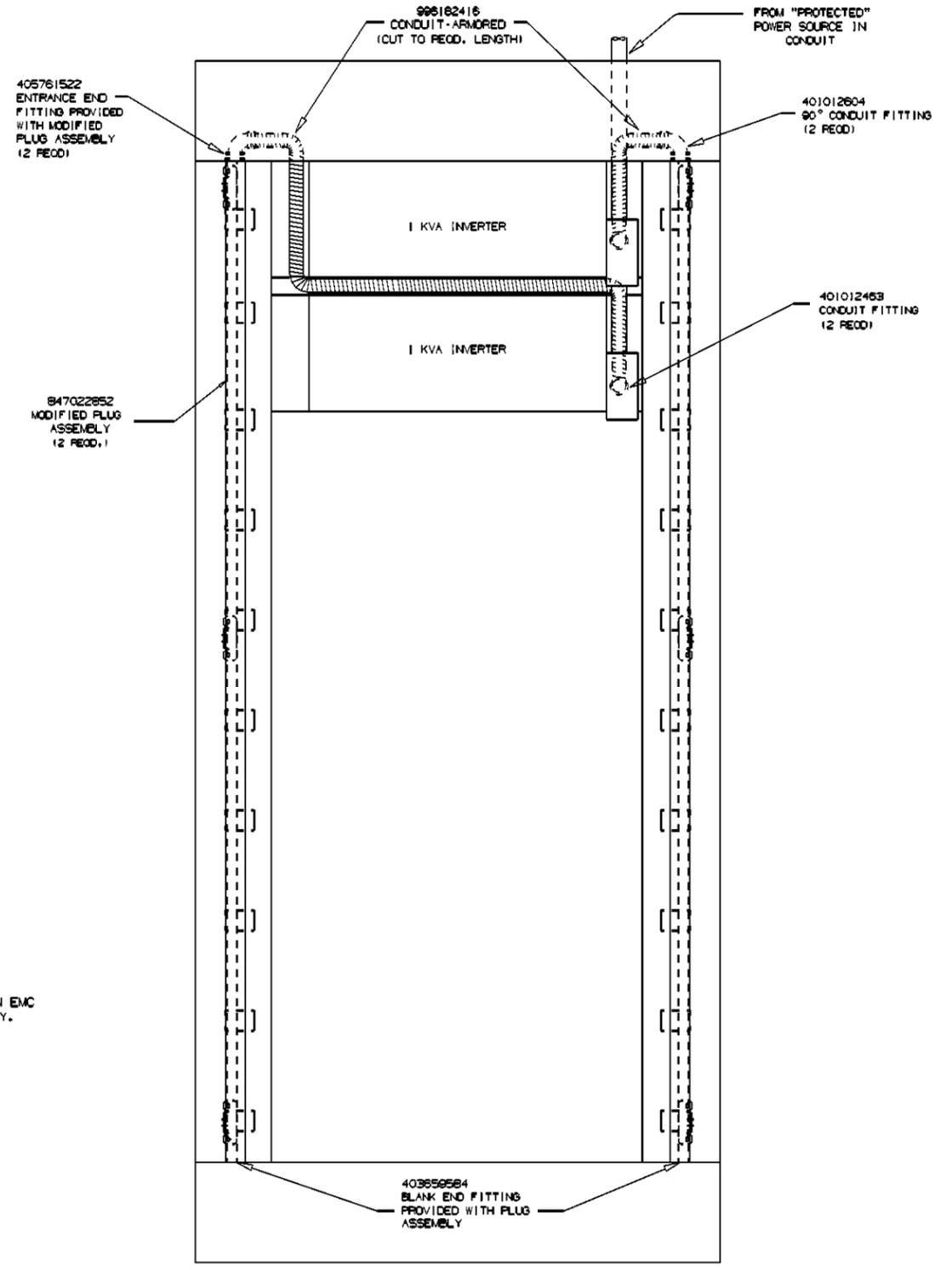


(REAR VIEW)



SECTION "A-A"

FIG. 17
TYPICAL METHOD OF MOUNTING
AC POWER AND LABELS
ED50741-1 CABINET



(REAR VIEW)
CHANNELS REMOVED

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		SHEET B17

SHOPS
INSTR

MANUFACTURING NOTES

***** CONTINUED *****

- X X PHILLIPS HEAD SCREW ON THE CLOSEST AC RECEPTACLE IN THE PLUG ASSEMBLY.
- X X 24. THE CABINET ADDRESS LABELS ARE TO BE JOB ENGINEERED. THE COMCODES ARE ASSIGNED USING TABLE AA FOR ED5D184 CABINETS AND ED5D695-11 FOR ED5D741 OR ED5D785 CABINETS.
- X X 25. CUT CONDUIT TO THE LENGTHS REQUIRED TO CONNECT THE INVERTERS TO THE MODIFIED PLUG ASSEMBLIES (SEE FIGS. 21 OR 22).

SHOPS
INSTR

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.

X/ 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 HEXAGON 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" (SEE FIG. 13). 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 13).
- X 21. REFER TO ED5D729-70 FOR INFORMATION ON ANCHORING THE SYSTEM CABINET AND FLOOR STAND TO THE FLOOR.
- X X 22. CUT WIRES TO THE LENGTHS REQUIRED TO WIRE THE INVERTERS TO THE MODIFIED PLUG ASSEMBLIES (SEE FIG. 2 OR 17), STRIP 5/16 INCH INSULATION AND LUG WITH BUTT SPLICE THOMAS & BETTS #RCC-21 OR EQUIVALENT.
- X X 23. GROUND JUMPERS MUST BE ADDED INTERNALLY TO THE MODIFIED PLUG ASSEMBLY BETWEEN THE SCREW AT THE CENTER MOUNTING BRACKET AND THE
----- CONTINUED TO THE LEFT -----

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BT13

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

DWG SIZE C2 ISSUE 12

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	
1001	1A	1	ED5D184-74,G4B		ASSEMBLY, CABINET		S	
1003	1,1A	2	ED5D695-10, G2326		LABEL, CABINET ADDRESS		S	
1005	30	1	ED5D741-70,G1		ASSEMBLY, CABINET		S	
1007	30	2	ED5D695-11, G1560		LABELS, CABINET ADDRESS		S	
1008	34,36,40,41	2	901249177		LABEL, DESIGNATION		S	
1010	1,1A,30,34,36	2	846888436		BRACKET, MOUNTING		S	
1011	1A,40,41	2	843082405		BRACKET, MOUNTING		S	
1015	30,34,36	6	847118163		BRACKET, MOUNTING		S	
1020	1,1A,30,34,36,40,41	2	847022852		ASSEMBLY, OUTLET STRIP		S	
1030	1,1A,40,41	6	845081199		BRACKET, MOUNTING		S	
1040	1,1A	4	843084104		PANEL		S	
1050	1,1A	16	840058234		SCREW, PAN HEAD MACHINE .112-40 X 3/16 STEEL 289A FINISH		S	
1060	1,1A	10	804236347	P423634	WASHER, EXTERNAL TOOTH LOCK .190 STEEL 289A FINISH		S	
1065	1A,30,34,36,40,41	6	804236347	P423634	WASHER, EXTERNAL TOOTH LOCK .190 STEEL 289A FINISH		S	
1070	1,1A	20	804236362	P423636	WASHER, EXTERNAL TOOTH LOCK .250 STEEL 289A FINISH		S	
1075	1A,30,34,36,40,41	12	804236362	P423636	WASHER, EXTERNAL TOOTH LOCK .250 STEEL 289A FINISH		S	
1080	40,41	56	901271031		SCREW, HEXAGON WASHER HEAD M6 X 16 STEEL, ZINC OLIVE DRAB CHROMATE FINISH THREAD FORMING QUALITY SCREW & NUT CO.		S	
1085	40,41	16	840026835		SCREW, TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) STEEL ZINC PLATE 289A FINISH		S	
1090	1,1A,33	2	845081967		LABEL, BLANK		S	24
1100	1,1A	2	845082726		LABEL		X S	
1110	1,1A,30,34,36,40,41	10	843082421		LABEL		S	
1140	1,1A,30,34,36,40,41	1	403020324	KS22100L1	FAN, BLOWER ATTIS		S	
1150	1,1A,30,34,36,40,41	2	843082637		BRACKET, MOUNTING		S	
1160	1,1A	10	840059059		SCREW, PAN HEAD MACHINE .164-32 X 5/16 STEEL 289A FINISH		S	
1165	1A,30,34,36,40,41	6	840059042		SCREW, PAN HEAD MACHINE .164-32 X 1/4 STEEL 289A FINISH		S	
1170	1,1A	82	840026835		SCREW, TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) STEEL ZINC PLATE 289A FINISH		S	
1175	30,34,36	74	840026835		SCREW, TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) STEEL ZINC PLATE 289A FINISH		S	
1180	1,1A,30,34,36,40,41	2	401012463	KS20785L33	CONNECTOR, STRAIGHT		X S	

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

ED5D729-31

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1190	1,1A,30,34,36,40,41	4	840060180		SCREW, PAN HEAD MACHINE .216-24 X 3/8 STEEL 289A FINISH		S	
1200	1,1A,30,34,36,40,41	4	803881440	P388144	WASHER, INTERNAL TOOTH LOCK .025 X .216 X .410 STEEL 289A FINISH		S	
1240	1,1A,30,34,36,40,41	6	996515615		CABLE, CONNECTOR #RCC-21 THOMAS & BETTS CORP.		S	
1250	1,1A,30,34,36,40,41	2	845081991		LABEL, ESD		S	
1260	1,1A,30,34,36,40,41	2	405701756		TERMINAL, LUG #M8-14R/SX 3M CO.		S	
1270	1,1A,30,34,36	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	
1281	1A	4	406763276		SCREW, HEX HEAD SLOTTED .190-32 #ATT04034SP STAINLESS STEEL CAMCAR TEXTRON		S	
1290	1,1A	4	900559121		WASHER, SPRING #UN250-0110 ASSOCIATED SPRING CO.		S	
1300	1,1A	4	843077942		BRACKET		S	
1310	1,1A	8	840059042		SCREW, PAN HEAD MACHINE .164-32 X 1/4 STEEL 289A FINISH		S	
1320	1,1A	8	814251856	P42E185	WASHER, PLAIN .164 STEEL 289A FINISH		S	
1330	1,1A	2	845622976		ASSEMBLY, DOOR PERFORATED (CENTER-OPENING)		S	
1340	1,1A	2	ED5D737-30,G2		ASSEMBLY, BEZEL COVER		S	
1341	1,1A	2	ED5D694-30,G2		ASSEMBLY, BEZEL COVER		S	
1360	1,1A,30,34,36	5	843087073		SUPPORT, CABLE		S	
1361	40,41	5	847169182		ROD, ROUND		S	
1370	1,1A,30,34,36,40,41	2	401509773	KS20018L9D	SHELF		S	
2000	2	1	106241268	CBT-70812279	CABINET, SPECIAL RF/AM		S	
2010	2	1	106240641	CBT-70812797	LATCH, MAGNET CATCH RF/AM		S	
2020	2	1	106241342	CBT-7169207	FAN, COOLING RF/AM		S	
2030	2	1	106241292	CBT-72351156	FAN, COOLING RF/AM		S	
2040	2	1	106245194	CBT-7K1230	THERMOSTAT, CONTROL RF/AM		S	

STOCKLIST CONTINUED ON SHEET D3

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

DWG SIZE C2
ISSUE 12

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STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
2050	2	2	106241276	CBT-70812280	SHELF, CABINET RF/AM		S	
2060	2	2	106241300	CBT-75332065	RECEPTACLE, OUTLET RF/AM		S	
3000	3	2	105690382	7B	UNIT, INTERFACE DII		S	
3010	3	2	104380753	353A	UNIT, POWER		S	
3020	3	2	104160148	DSW-87	CORD 2 FT 6 IN		S	
3025	3	2	406188086		CABLE, INTERCONNECTING #SC4-25 ASYNC MODEM/SYNC 232D 25 FT TANDEM COMPUTERS			
4000	4	1	J1P158C-2,L1,L4		UNIT, ALARM RELAY		S	66
4010	4	2	406217158		PRINTER, DOT MATRIX #577-171N 540 CPS-(120V,60M2) NCR-WICHITA			
4020	4	2	406862102		TERMINAL, VIDEO #2955-1201-7100705 MULTITASKING NCR			
4030	4	1	406818625		PACKAGE, 9-TRACK TAPE DRIVE #9745-K014-V001 NCR			19 20
4050	4	1	406296756		STAND, FLOOR #STS-1A TANDEM COMPUTERS			20 21
4060	4	1	406181537		PACKAGE, 9 TRACK INTERFACE #9734-PO01 NCR			
4070	4	4	901233130		SCREW C HEAD MACHINE ALLIED VOLT .190-24X1.00 SLOTTED HEX		S	20
4080	4	1	406674556		SWITCH #080001 INMAC INC		S	
4090	4	1	405383027		MODEM #303-3-NULL INMAC		S	
5000	5	1	406793208		COMPUTER, MINI #9734-3342-6100 NCR			
5010	5,10	1	406181024		PACKAGE, DC/DC CONVERTER (PAIR) #9734-K012-V001 NCR P/O PEC 7342-34C			
5020	5,10	1	406589002		PACKAGE #65TS INIT MEM R3 32M LOCAL MEM P/16 MB TO 32 MB ON INITIAL SYS. TANDEM COMPUTERS UPGRADES			
5030	5,10	1	406846162		SOFTWARE, APPLICATION #C375-0BX4-0000BX.25/SYSTEM AMATPS, SVR4 NCR			
5040	5,10	1	406846212		SOFTWARE, OPERATING #C375-4B00-0000 UNIX FT, SVR4 NCR			
5050	5,10	1	406846154		SOFTWARE, APPLICATION #C375-0X04-0000BX.25 COMMUNICATIONS, SVR4 NCR			
5055	5,10	1	406826388		PACKAGE, SERVICE PROCESSOR #9745-K020-V001 NCR			
5060	5,10	1	406181032		PACKAGE, ASYNCHRONOUS CONTROLLER #6320 TANDEM COMPUTERS			
5070	5,10	1	406437202		DRIVE, VARIABLE SPEED #9734-K042-V001 STARSERVER FT NCR			

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

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
5071	5,10	1	406872887		PACKAGE, DAT TAPE DRIVE #9734-K042-V002 NCR			
5080	5,10	2	406551077		PACKAGE, 4 PORT SYNC 232D #6323-1 4 POR S TANDEM COMPUTERS			
5090	5,10	1	406626325		PACKAGE, HARD DISK UPGRADE #9734-FO53 51TMA INITIAL UPGRADE, 2-650MB DISK DRIVES TO 2-1GB DISK DRIVES NCR			
5110	5,10	1	406852400		MANUAL #560-321-433 UNIX SVR4.0 USERS GUIDE VOL 1		S	
5130	5,10	1	406852012		MANUAL #560-321-408 UNIX SVR4.0 USERS REFERENCE MANUAL VOL 1		S	
5150	5,10	1	406852251		MANUAL #560-321-414 UNIX SVR4.0 ADMINISTRATORS GUIDE:USER SERVICES		S	
5160	5,10	1	406852269		MANUAL #560-321-415 UNIX SVR4.0 ADMINISTRATORSGUIDE:MACHINE MANAGEMENT		S	
5170	5,10	1	406852277		MANUAL #560-321-416 UNIX SVR4.0 ADMINISTRATORS GUIDE:DATA MANAGEMENT		S	
5180	5,10	1	406851998		MANUAL #560-321-405 UNIX SVR4.0 ADMINISTRATORS REFERENCE VOL 1		S	
5200	5,10	1	406852301		MANUAL #560-321-417 UNIX SVR4.0 MAINTENANCE & DIAGNOSTIC TOOLS GUIDE		S	
5220	5	1	406852483		MANUAL #560-321-312 RELEASE 3 CENTRAL OFFICE HARDWARE INSTALLATION GUIDE		S	
5230	10	1	406852491		MANUAL #560-321-313 RELEASE 3 HARDWARE INSTALLATION GUIDE		S	
5300	10	1	406793216		COMPUTER, MINI #9734-3341-6100 NCR			
5320	5,10	1	406838771		PACKAGE, CABLE ASSEMBLY #9734-K330-V00125 FT NCR			
5330	5,10	2	406199893		CABLE, INTERCONNECTING #SC1-25W 25 FT TANDEM COMPUTERS			
5340	5,10	1	406188334		CABLE, INTERCONNECTING #SC3-25 CENTRONICS BTR INTERFACE 25 FT TANDEM COMPUTERS			
6000	6	2	405686783	WP91652L20	INVERTER DC-AC		S	
6001	6A	2	407106814	WP91652L20A	INVERTER		S	
6010	6,6A	2	405890146	WP91652L106	BRACKET 19/23IN		S	
6310	5,10	3	406188359		CABLE, INTERCONNECTING #SC2-25 MODEM RJ45/25PIN 25 FEET TANDEM COMPUTERS			

STOCKLIST CONTINUED ON SHEET D4

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BT13	
5ESS* SWITCHING EQUIPMENT SPECIFICATION FOR ENHANCED 911 SERVICE ADJUNCT (ESA) PHASE II	
DWG SIZE C2	ISSUE 12
AT&T	ED5D729-31
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STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
7000	7	1	406224857		PART #AF37736-00 C. ITOH		S	
7010	7	5	405902453		CARTRIDGE #DC6150 5-1/4 IN. TAPE REPLACEMENT FOR DC600XTD 3M CO.		S	
8000	8	1	406494963		SNIP, TIN #272SC540 STRAIGHT CUT TECHNI-TOOL COMPANY		S	18 55
8010	8	1	406666743		TOOL, BANDING #GS4MT PANDUIT		S	18 55
8020	8	1	406495002		CLOSURE, ASSEMBLY #MTHH-C PANDUIT CORP.		S	55
8030	8	1	406494997		SLEEVE, PROTECTION #PCSH-B-CR PANDUIT CORP.		S	55
8040	8	1	406494989		BAND, RETAINING #MBH-TLR MBH-TLR BANDING, NON MAGNETIC STAINLESS WD .312" X LG 3000" PANDUIT CORP.		S	55
8500	1,1A,30,34,36,40,41	1	401010426	KS20747	WIRE 12 GA SOLID 1 CONDUCTOR GREEN TYPE THW (6FT)		S	22
8510	1,1A,30,34,36,40,41	1	401010418	KS20747	WIRE 12 GA SOLID 1 CONDUCTOR WHITE TYPE THW (6FT)		S	22
8520	1,1A,30,34,36,40,41	1	401010384	KS20747	WIRE 12 GA SOLID 1 CONDUCTOR BLACK TYPE THW (6FT)		S	22
8530	1,1A,30,34,36,40,41	2	401012604	KS20785L83	CONNECTOR, 90 DEGREE		S	
8540	1,1A,30,34,36,40,41	1	996182416		CONDUIT FLEX-ROUND STEEL 1/2 INCH NATIONAL (6FT)		S	25
8550	1,30	4	403813009		LUG, TERMINAL #ECL-203 3M CO.		S	23
8551	1A,30,34,36,40,41	4	995829660		LUG, TERMINAL #C71 STA-KON THOMAS & BETTS CO.		S	23
8560	1,1A,30,34,36,40,41	4	804236347	P423634	WASHER, EXTERNAL TOOTH LOCK .190 STEEL 289A FINISH		S	23
8570	1,1A,30,34,36,40,41	2	401010426	KS20747	WIRE 12 GA SOLID 1 CONDUCTOR GREEN TYPE THW		S	23
8580	31	2	ED5D745-70,G2		STRIP, 5ESS-2000 CABINET INDICATOR		S	
8590	32	2	ED5D741-70,G2		ASSEMBLY, CABINET		S	
8592	34	1	ED5D741-70,G1A		ASSEMBLY, CABINET		S	
8595	35	2	ED5D741-70,G2A		ASSEMBLY, CABINET		S	
8597	36	1	ED5D741-70,G1B		ASSEMBLY, CABINET		S	
8600	40,41	1	ED5D785-70,G1A		ASSEMBLY, GLOBAL SINGLE BAY FR & CAB		S	
8610	40	1	ED5D785-70,G2A		ASSEMBLY, GLOBAL SINGLE BAY FR & CAB		S	
8620	40	2	ED5D785-70,G3C		ASSEMBLY, GLOBAL SINGLE BAY FR & CAB		S	
8630	41	1	ED5D785-70,G2B		ASSEMBLY, GLOBAL SINGLE BAY FR & CAB		S	
8640	41	2	ED5D785-70,G3D		ASSEMBLY, GLOBAL SINGLE BAY FR & CAB		S	
8650	41	1	ED5D785-70,G4		ASSEMBLY, GLOBAL SINGLE BAY FR & CAB		S	
9000	9	2	405897133		UNIT, TERMINATION #NTLU-220 AT&T PHILLIPS		S	

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

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
9001	9	2	406733725		UNIT, TERMINATION #NTLU-220 AT&T NSI NETHERLANDS		S	
9010	9	2	104160148	DBW-87	CORD 2 FT 6 IN		S	
9200	11	1	102969250	46A2	MOUNTING, DATA		S	
9210	11	3	102860293	829A-L1A	SET, AUXILIARY DATA CLEI = 8D29AABAAA		S	
9240	11,11A	1	106238538	3000-F1-002	SUPPLY, POWER		S	
9250	11	1	106238512	3000-B1-001	RACK, MULTIPLE MOUNTING DSU		S	
9251	11,11A	1	106779366	3000-B1-201	CARRIER, APPARATUS		S	
9260	11,11A	1	106238496	3000-F1-007	BLOWER, 3000 SERIES RACK		S	
9270	11,11A	5	106597826	3811-B1-001	MODEM, DATA TRANSFER		S	56 57 58
9280	11,11A	1	106303274	3000-F1-001	PANEL, UNIT SHARED FRONT		S	
9290	20	1	106303845	3000-F1-003	UNIT, INTERFACE		S	
9300	11	1	100959105	A25B	CABLE, CONNECTORIZED 50 CONDUCTOR, 5FT LONG		S	
9301	11	1	ED5D621-11,G70		CABLING, INTERCABINET		S	
9400	12,17	1	102860293	829A-L1A	SET, AUXILIARY DATA CLEI = 8D29AABAAA		S	
9500	13	1	406551077		PACKAGE, 4 PORT SYNC 232D #6323-1 4 FOR S TANDEM COMPUTERS		S	59
9600	14	1	401509773	KS20018L9D	SHELF		S	64
9610	14	4	840026835		SCREW, TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) STEEL ZINC PLATE 289A FINISH		S	64
9700	15	1	106241276	CBT-70812280	SHELF, CABINET RP/AM		S	64
9750	16	1	106597826	3811-B1-001	MODEM, DATA TRANSFER		S	
9755	16	1	406188359		CABLE, INTERCONNECTING #SC2-25 MODEM RJ45/25PIN 25 FEET TANDEM COMPUTERS		S	
9757	18	1	106315286	3500-M1-001	MANUAL, USER GUIDE		S	
9760	18,19	1	406188128		CABLE, INTERCONNECTING #SC6-25 25 FT MODEM/V.35 TANDEM COMPUTERS SYNC		S	
9762	18	1	406551119		PACKAGE, 4 PORT SYNC V .35 CONTRLR #6323-3 4 FOR SYNC V TANDEM COMPUTERS		S	
9763	18,19	1	106476245	3511-B1-002	MODEM, DATA TRANSFER		S	
9765	21	1	406838771		PACKAGE, CABLE ASSEMBLY #9734-K330-V00125 FT NCR		S	71

STOCKLIST CONTINUED ON SHEET D5

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5ESS* SWITCHING EQUIPMENT SPECIFICATION FOR ENHANCED 911 SERVICE ADJUNCT (ESA) PHASE II	
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AT&T	ED5D729-31
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STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
9770	21	1	406199893		CABLE, INTERCONNECTING #SC1-25W 25 FT TANDEM COMPUTERS			71
9775	22	1	406838789		PACKAGE #9734-K331-V001CABLE ASSEMBLY, 50 FT NCR			71
9780	22	1	406199836		CABLE, INTERCONNECTING #9734-K061-V00150 FT NCR			71
9785	23	1	406768135		PACKAGE, CABLE #9745-K018-V001 NCR			70 71
9790	24	1	406768085		PACKAGE, CABLE #9745-K019-V001 NCR			70 71
9795	25	1	406187880		CABLE, INTERCONNECTING #517-025W TANDEM COMPUTERS			70 71
9797	26	1	406187914		CABLE, INTERCONNECTING #517-050W SCSI DIFFERENTIAL CABLE 50 FT TANDEM COMPUTERS			70 71
9800	100	1	406606277		PACK, CIRCUIT, ASYNCHRONOUS COMMUNICATION #19090A TANDEM COMPUTERS INC.			
9810	101	1	406177790		CONVERTER, POWER #16575 TANDEM COMPUTERS INC.			
9820	102	1	406177824		FAN, COOLING #16563 TANDEM COMPUTERS INC.			
9830	103	1	406860619		PACK, CIRCUIT #406-8606190 NCR			
9840	104	1	105690382	7B	UNIT, INTERFACE DII			S
9850	105	1	104380753	353A	UNIT, POWER			S
9860	106	1	406804575		UNIT, POWER #406-8045750 NCR			
9870	107	1	406793133		UNIT, POWER #406-7931330 NCR			
9880	108	1	405897133		UNIT, TERMINATION #NT10-200 AT&T PHILIPS			S
9881	108	1	406733725		UNIT, TERMINATION #NT1U-220 AT&T NSI NETHERLANDS			S
9890	109	1	406806406		PACK, CIRCUIT #406-8064060 NCR			
9900	110	1	406437194		DRIVE, DISK #4418AM TANDEM COMPUTERS INC. 1GB			
9910	111	1	406806182		UNIT #406-8061820 NCR			
9920	112	1	406806158		PACK, CIRCUIT #406-8061580 NCR			
9930	113	1	406705350		PACK, CIRCUIT, SCSI SINGLE END COMMUN. #406-705-3500 NCR			
9940	114	1	406705368		PACK, CIRCUIT, DUAL DIFFERENTIAL #406-705-3680 NCR			

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

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
9950	115	1	406796532		PACK, CIRCUIT #406-7965320 NCR			
9960	116	1	406705285		SUPPLY, POWER, ALTERNATING CURRENT #406-7052850 NCR			
9970	117	1	406796102		BATTERY, STORAGE #406-7961020 NCR			
9980	118	1	406793430		CONVERTER, POWER #406-7934300 DC TO DC NCR			
9990	119	1	406857417		PACK, CIRCUIT #406-8574170 SYNC V.35 COMMUNICATIONS 4PORT NCR			
***** END OF STOCKLIST *****								

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BT13

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

DWG SIZE C2
ISSUE 12

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