

ISSUE NOTES (CONTINUED)				
CHANGE TAG "CHEETAH" IMPLEMENTS THE FOLLOWING: ENGINEERING NOTES 151, 152, 158, 159, 160, 161, 162, 163, 164, 165, 166, 175 AND 176 ARE DELETED. TABLE "A" FEATURES FOR LISTS 500, 500A, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, E1, E2, E3, E4, E5, E6, E7 AND E8 ARE RATED "DA". MISCELLANEOUS TABLE RECORDS 10 (D4 TABLE), 20 (D5 TABLE) AND 55 (D11 TABLE) ARE DELETED.				
CHANGE TAG "DAFASTEN" IMPLEMENTS THE FOLLOWING: TABLE "A" FEATURES FOR LISTS K, L, O AND P ARE RATED "DA".				
ORIG ISS: 02/01/93 NDD NBR: NDD5D003NW-869 CHANGE CLASS: ME				
DRAFT: MJK	ENGR: MJK	SUPV: FNG	CERTIFIED: 10/07/97	ISSUE: 13
H8328 - IMPLEMENTS THE FOLLOWING: ENGINEERING NOTES 153, 155, 156, 167, 168, 169, 170 AND 172 ARE DELETED DUE TO CHEETAH PHASE II REQUIREMENTS. ENGINEERING NOTES 499 AND 500 ARE ADDED IN ORDER TO ELIMINATE THE NUMERIC POINT ITEMS FROM THIS DRAWING. TABLE "A" FEATURES FOR LISTS 2A, 3A, 5A, 16A, 17, 18, 19, 24, G2, G3, G4, G5, G7, G8, S1, S2, U1 AND U2 ARE RATED "DA" IN ORDER TO MEET CHEETAH REQUIREMENTS AND/OR TO ELIMINATE THE NUMERIC POINT ITEMS FROM THIS DRAWING. REMOVE THE "LA" RATING FOR LISTS G1 AND G6. UPDATE TABLE "A" FOR LISTS 9, 11, 12, AND 13 TO REFERENCE ENGINEERING NOTE 500. UPDATE TABLE "A" FOR LISTS 8, 1B AND 1C TO REFERENCE ENGINEERING NOTE 499.				
ORIG ISS: 02/01/93 NDD NBR: NDD5D003NW-906 CHANGE CLASS: ME				
DRAFT: MJK	ENGR: MJK	SUPV: FNG	CERTIFIED: 11/13/98	ISSUE: 14
H8581 - IMPLEMENTS THE FOLLOWING PLENUM EQUIPAGE RULES: ENGINEERING NOTE 59 IS LINED OUT AND REPLACED BY ENGINEERING NOTE 78. ENGINEERING NOTE 78 IS ADDED. MODIFY TABLE "A" FOR LIST 9 TO REFERENCE ENGINEERING NOTE 78. MODIFY TABLE "A" FOR LIST 9 TO REMOVE THE REFERENCE TO ENGINEERING NOTE 59.				
ORIG ISS: 02/01/93 NDD NBR: NDD5D003NW-987 CHANGE CLASS: ME				
DRAFT: MJK	ENGR: MJK	SUPV: FNG	CERTIFIED: 03/16/99	ISSUE: 15

ISSUE NOTES (CONTINUED)				
H7464 - INTRODUCE LISTS, NOTES, TABLES FOR GPI FORMAT REQUIREMENT SHTS B3 AND B4 UPDATED WITH PHASE II FRAME GRAPHICS; LA RATING CHANGED TO DA FOR LISTS 1A,2,3,5,15,16,A,B,C,D; NOTES 70,71,72 MODIFIED; SL ITEM 1080 LINED OUT, ITEM 1081 ADDED, LIST 14 MODIF. PI 8.1 - ADD NOTE 73 DEFINING CABINET UNITIZING REQUIREMENTS.				
ORIG ISS: 02/01/93 NDD NBR: NDD5D003NW-595 CHANGE CLASS: ME				
DRAFT: MGS	ENGR: MGS	SUPV: FNG	CERTIFIED: 10/05/95	ISSUE: 9
H7723 - LISTS 1C,21,22,23,24,500A,515,516,Q,R,T,U,V,W,X,Y,E1,E2,E3,E4,E5,E6,E7,E8,G7,G8 ADDED; LISTS 1B,3A,5A,12,14,17,18,19,20,500,501,512,I,J,M,N,TA,TB MODIFIED; SL ITEMS 1013,1525,1530,1540,1545 ADDED; SL ITEMS 1235,1250,1280,1290,1510,1520 MODIFIED; ENGR NOTES 75,76,174,175,176 ADDED; ENGR NOTES 53,71,152,158,164,173 MODIFIED; PROP CODE MODIFIED. PI 9.1 - LISTS 4,10 MODIFIED; SL ITEMS 1351 ADDED; SL ITEMS 1025,1300,1340,1350 MODIFIED; ENGR NOTES 56,64,65,67,69,153 MODIFIED; MANUF NOTES 17,18,24 MODIFIED; GRAPHIC SHEETS B3, B4,B7 MODIFIED.				
ORIG ISS: 02/01/93 NDD NBR: NDD5D003NW-709 CHANGE CLASS: B				
DRAFT: MGS	ENGR: MGS	SUPV: FNG	CERTIFIED: 08/07/96	ISSUE: 10
H7853 - LISTS 24, 516 RERATED AS READY-TO-ORDER; LIST 1B DA RATING REVERSED; LIST 1C MODIFIED; SL ITEMS 1465,5015 ADDED; NOTES 67, 73, 163 MODIFIED. IMR822 - SL ITEM 1300 LINE-OUT REMOVED.				
ORIG ISS: 02/01/93 NDD NBR: NDD5D003NW-753 CHANGE CLASS: ME				
DRAFT: MGS	ENGR: MGS	SUPV: FNG	CERTIFIED: 10/30/96	ISSUE: 11
H8076 - SL 1512 ADDED; SL 1510 MODIFIED; MANUFACTURING NOTE 1 ADDED & MANUFACTURING NOTE 27 MODIFIED.				
ORIG ISS: 02/01/93 NDD NBR: NDD5D003NW-812 CHANGE CLASS: MF				
DRAFT: MGS	ENGR: MGS	SUPV: FNG	CERTIFIED: 03/18/97	ISSUE: 12

ISSUE NOTES				
ORIG ISS: 02/01/93 NDD NBR: NDD5D003NW-361 CHANGE CLASS: NEW				
DRAFT: MLG	ENGR: MLG	SUPV: PK	CERTIFIED: 02/01/93	ISSUE: 1
CHG TAG H7005: SHEETS B3 & B4 UPDATED TO CLARIFY LABEL & MTCE LUG PLACEMENT INSTRUCTIONS. LIST 10 ADDED TO TA AND STOCKLIST UPDATED ACCORDINGLY.				
ORIG ISS: 02/01/93 NDD NBR: NDD5D003NW-386 CHANGE CLASS: B				
DRAFT: MLG	ENGR: MLG	SUPV: PK	CERTIFIED: 03/01/93	ISSUE: 2
H7040. LIST 11, ENGINEERING NOTE 62, SL ITEM 1072, 1310 THRU 1330 ADDED. FIG 1 ON SHEET B1 UPDATED. FIG 7 ON SHEET B4 ADDED. FIG 8 ON SHEET B6 ADDED.				
ORIG ISS: 02/01/93 NDD NBR: NDD5D003NW-397 CHANGE CLASS: ME				
DRAFT: MLG	ENGR: MLG	SUPV: PK	CERTIFIED: 04/08/93	ISSUE: 3
H7068. LIST 12 AND NOTES 23,25 & 63 ADDED. SL ITEMS 1350, 1360, 1181 & 1091 ADDED. NOTES 54,56,68,18 & 21 MODIFIED. SL ITEM 1180 LINED OUT.				
ORIG ISS: 02/01/93 NDD NBR: NDD5D003NW-412 CHANGE CLASS: ME				
DRAFT: MLG	ENGR: MLG	SUPV: PK	CERTIFIED: 05/28/93	ISSUE: 4
H7181 - NOTES 56, 58 & 59 MODIFIED, NOTES 64 THRU 68 ADDED; LIST 1 RATING WAS "STANDARD", LISTS 1A,13,14,15,16,C & D ADDED; MISC POINT CHANGES INCORPORATED.				
ORIG ISS: 02/01/93 CHANGE CLASS: B				
DRAFT: MGS	ENGR: MGS	SUPV: FNG	CERTIFIED: 04/08/94	ISSUE: 5
H7217 - NOTES 58 & 65 MODIFIED NOTE 69 ADDED; LISTS 1A,2,3,5,15,16,A,B,C,& D RATING WAS "STANDARD", LISTS 1B,2A,3A,5A,16A,17,18,19,E,F,G,H,I,J,K,L,M,N,O,P,TA,TB AND REF TO ADDED. LISTS 4,J,K MODIFIED. "S" ADDED TO SL ITEMS 1032,1051,1440,1450. SL ITEMS 1230,1240,1260,1270 MODIFIED, 1235 ADDED.				
ORIG ISS: 02/01/93 NDD NBR: NDD5D003NW-473 CHANGE CLASS: B				
DRAFT: MGS	ENGR: MGS	SUPV: FNG	CERTIFIED: 08/11/94	ISSUE: 6
H7320 - LISTS 1A,2,3,5,15,16,A,B,C & D RATING CHANGED FROM "DA" TO "LA".				
ORIG ISS: 02/01/93 CHANGE CLASS: MF				
DRAFT: TMR	ENGR: MGS	SUPV: FNG	CERTIFIED: 08/22/94	ISSUE: 7
H7363 - LIST 20 ADDED; LIST 14 MODIFIED; NOTES 27,71,72 ADDED; NOTE 24 MODIFIED; SL ITEMS 1025,1510,1515,1520 ADDED; SL ITEMS 1045,1046,1181,1225,1330,1380,1480,1500 MODIFIED; SHEET INDEX B1,B3,B4,B6,B7 MODIFIED.				
ORIG ISS: 02/01/93 NDD NBR: NDD5D003NW-539 CHANGE CLASS: B				
DRAFT: MGS	ENGR: MGS	SUPV: FNG	CERTIFIED: 12/09/94	ISSUE: 8

SHEET INDEX									
SHT NBR	A1 THRU A7							ISSUE 19	
ISSUE									
SHT NBR	D1 THRU D4							ISSUE 19	
ISSUE									
SHT NBR	B1	B2	B3	B4	B5	B6	B7		
ISSUE	8	1	10	10	1	8	10		
SHT NBR									
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TABLE OF CONTENTS	
DESCRIPTION	SHT
SHEET INDEX	A1
ISSUE NOTES	A1
ENGINEERING-NOTES	A2
TABLE A	A4
B SECTION GRAPHICS	B1
MANUFACTURING NOTES	D1
STOCKLIST	D2

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BT13	
5ESS(R) SWITCHING EQUIPMENT SPECIFICATION FOR 5ESS-2000 CABINET	
DWG SIZE C2	ISSUE 19
LUCENT TECHNOLOGIES INC	J5D003N-1
SHEET A1 OF 18	

ENGINEERING NOTES

***** CONTINUED *****

ONE LIST 8 MUST BE ORDERED WITH A FAN UNIT AND INSTALLED AT THE TOP POSITION OF THE FAN UNIT. ONE LIST 8 IS SUBTRACTED FROM THE UNIT QUANTITY SHOWN ABOVE FOR ANY UNIT INSTALLED DIRECTLY ABOVE THE FAN UNIT. EXCEPTION FOR SM2000 - NO LIST 8 IS REQUIRED FOR FAN UNIT AND NO LIST 8'S ARE USED FOR UNIT ABOVE THE FAN (TSIU4). QUANTITY OF LIST 8 IS NOT AFFECTED FOR ANY UNIT INSTALLED DIRECTLY BELOW THE MID-CABINET FAN (J5D003FH- ()).

IF MID FAN FAN UNIT (J5D003FH()) IS USED AND THERE ARE NO UNITS INSTALLED ABOVE THE FAN UNIT, THEN ONE LIST 8 MUST BE ORDERED AND INSTALLED AT THE TOP OF THE FAN UNIT.§

- 59. IF SPACE IS LEFT BETWEEN UNITS, A FAN PLENUM MUST BE SPECIFIED FOR EACH 8.5 INCH SPACE (223.52MM). LINE ENGINEER TO ORDER LIST 9 IN ACCORDANCE. IF SPACE REMAINS BETWEEN TOP OF CABINET AND LAST OF UPPER MOST UNIT EQUIPPED WHEN UNI-DIRECTIONAL FAN UNITS (J5D003BE OR J5D003BN) ARE SPECIFIED, FAN PLENUM IS NOT REQUIRED. IF SPACE REMAINS ABOVE OR BELOW UNITS EQUIPPED WHEN BI-DIRECTIONAL FAN UNIT (J5D003FH) IS SPECIFIED, FAN PLENUM IS NOT REQUIRED. REPLACED BY ENGINEERING NOTE 78.§
- 60. DOLLAR SIGNS (\$) IN FRONT OF AND BEHIND WORDS, SENTENCES, PARAGRAPHS AND/OR CHARACTERS INDICATES HORIZONTALLY LINED OUT INFORMATION.
- 61. THE LINE ENGINEER SHALL ORDER CABINET ADDRESS LABELS PER ED5D695-16. THESE LABELS ARE MOUNTED TO INDENTATION FORMED INTO THE INDICATOR STRIP OF THE CABINET.
IF EQUIPPING FOR 7R/E PACKET LOCAL SOLUTION (PLS) APPLICATIONS, THE LINE ENGINEER SHALL ORDER CABINET ADDRESS LABELS PER ED7R003-10. THESE LABELS ARE MOUNTED TO INDENTATION FORMED INTO THE INDICATOR STRIP OF THE CABINET.
- 62. ISLU2 REQUIRES A CABLE SUPPORT AT THE TOP, BOTTOM AND MIDDLE OF EACH SHELF. EXAMPLE - A THREE SHELF ISLU2 REQUIRES SEVEN LIST 11 CABLE SUPPORTS.
- 63. ONE ISLU2 PLENUM ASSEMBLY (LIST 12) IS REQUIRED FOR EACH NON-EQUIPPED ISLU2 POSITION.
- 64. FOR PHASE I CABINET (LIST 1A) EMC TREATMENT APPLICATIONS: SEE ED5D744-70 FOR OTHER EMC TREATMENT EQUIPMENT (SHIPPED TO SITE) REQUIRED.
- 65. FOR PHASE I CABINET (LIST 1A) EMC TREATMENT APPLICATIONS WHERE CABINETS ARE TO BE FACTORY UNITIZED (JUNCTIONED), EMC GASKET STRIPS (FOAM) AND CLOSURE PLATES (MIDDLE) ARE TO BE FACTORY MOUNTED. ORDER ONE LIST C AND ONE LIST D FOR EACH JUNCTION, I.E., FOR A MODULE OF THREE CABINETS, ORDER TWO EACH OF LISTS C AND D. THESE ITEMS SHOULD BE INSTALLED IN THE AT&T FACTORY DURING CABINET UNITIZATION (JUNCTIONING).
- 66. ISLU REQUIRES TWO (2) LIST 13 FOR THE LOWER TWO CABLE SUPPORT POSITIONS ON THE DRAWER UNIT. ONE (1) LIST 11 IS ALSO REQUIRED FOR THE UPPER CABLE SUPPORT POSITION ON THE DRAWER UNIT.
- 67. THIS CABINET TO BE EQUIPPED WITH MODULAR FUSE/FILTER UNIT (MFFU) J5D003FJ(). FOR SMC2000 STANDARD FUSING CONFIGURATION ORDER MFFU LIST 120. FOR SMC2000 IN AUTO POWER RECOVERY CONFIGURATION ORDER MFFU LIST 121.
CABINET J5D003N-1 IS INCLUDED IN UL LISTING REPORT. ORDER LABEL LISTS CP AND CV FROM MFFU UNIT DRAWING J5D003FJ-1.
- 68. FOR SM2000 MULTIPLE LINE-UP APPLICATIONS (FLEX-SM), CROSS-AISLE CABLE DUCTS TO BE ORDERED FROM ED5D772-70.
- 69. FOR PHASE II CABINET (LIST 1B, 1C, 1D) EMC APPLICATIONS, ONE (1) LIST 19 EMC FRAME ADDITION KIT IS REQUIRED PER CABINET WHEN USED FOR NON-SMC APPLICATIONS. WHEN LIST 1B, 1C, 1D IS USED FOR SMC2000 EMC APPLICATIONS, ONE (1) LIST 24 EMC FRAME ADDITION KIT IS REQUIRED PER SMC CABINET. THESE KITS ARE DESIGNED FOR FIELD INSTALLATION. OTHER EMC TREATMENT EQUIPMENT THAT MAY BE REQUIRED IN ADDITION TO LISTS 1B, 1C, 1D - DEPENDING ON THE SMC CONFIGURATION - INCLUDE LISTS 2A,17,18,21,G,H.
- 70. \$LA LISTS REPRESENT PHASE 1A CABINET HARDWARE AVAILABLE ONLY TO NTT AND OTHER SELECTED CUSTOMERS.§
- 71. CABLING FOR ADMINISTRATIVE WORKSTATION (AWS/SM2000 OR VCDX/SM2000) IS ORDERED OFF OF ED5D765-40, ED5D765-11, ED5D765-12, J5D003NA-1 OR J5D003NG-1, AND ED5D500-21.
FOR 7R/E PACKET LOCAL SOLUTION (PLS) APPLICATIONS, CABLING TO HUB (WHICH THEN CONNECTS TO THE ADMINISTRATIVE WORK STATION AND MEDIA GATEWAY PROXY) IS ORDERED FROM ED7R000-11.
- 72. ALARM STATUS UNIT (ASU2), USED WITH AWS/SM2000, VCDX/SM2000,
----- 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. THIS CABINET CAN BE USED FOR ANY SESS APPLICATION, SUCH AS SM2000 SMC & LTP CABINETS OR "CLASSIC" SM SMC & LTP CABINETS.
FOR SMC2000 EQUIPPED WITH SMPU5 (J5D003NG), THE BOTTOM SHELF OF THE SMC CABINET (POSITION 11) IS AVAILABLE FOR SOME SINGLE SHELF PERIPHERAL UNITS PER APPLICATION SCHEMATIC SDS518-01.
- 54. CABLING FOR THE ALARM INDICATOR STRIP IS ENGINEERED AND ORDERED FROM POWER/ALARM CABLING DRAWING \$ED5D693-20\$ ED5D734-14.
- 55. CABINET MAY BE EQUIPPED WITH EITHER AN ALARMED OR BLANK INDICATOR STRIP ON THE REAR OF THE CABINET. TOTAL OF TWO (2) INDICATOR STRIPS REQUIRED PER CABINET.
- 56. THE 132-TYPE AND 500-TYPE MOUNTING GUIDES ARE TO BE ENGINEERED IN THE CABINET BASED ON THE UNITS EQUIPPED. MOUNTING EQL'S SHALL BE SPECIFIED IN THE ORDER. TWO 132-TYPE GUIDES ARE REQUIRED PER APPROPRIATE UNIT SHELF. FOUR 846951895 500-TYPE MOUNTING GUIDES ARE REQUIRED PER TSIU4 UNIT SHELF. TWO 846696185 500-TYPE GUIDES ARE REQUIRED PER ISLU2 UNIT SHELF. IF THE UNITS HAVE FINAL ASSEMBLY KITS, ORDERING OF THE MOUNTING GUIDES IS NOT REQUIRED.
ISLU (J5D004AK), ISLU2 (J5D004AL) & FAN UNIT (J5D003FH) ARE FURNISHED WITH GUIDES. 132-TYPE OR 500-TYPE SHOULD NOT BE SPECIFIED FOR THESE UNITS, HOWEVER THEIR MOUNTING EQL'S NEED TO BE SPECIFIED.
TSIU4 (J5D003NE) AND ISLU2 (J5D004AL) AND DNU-S (J5D003FR) REQUIRE 500-TYPE MOUNTING GUIDES. THESE GUIDES ARE ORDERED AS PART OF LISTS ON THE UNIT DRAWINGS.
- 57. THE CABLE SUPPORTS (TOWEL BARS) ARE ENGINEERED AND ORDERED PER THIS DRAWING. IF THE UNITS HAVE FINAL ASSEMBLY KITS, THE CABLE SUPPORTS ARE PROVIDED AND NOT ORDERED PER THIS DRAWING.
- 58. QUANTITY OF CABLE SUPPORTS FOR UNITS ORDERED AS PERIPHERALS IS TO BE DETERMINED USING THE FOLLOWING GUIDELINES:
UNIT SPECIFIED QUANTITY OF LIST 8

DSU2, J5D003EA-1 2
FIU2, J5D003AP-2 3
FIU3, J5D003AP-3 3
TU, J5D003AC-2 3
DLTU, J5D003AD-1 2
GDSU, J5D003AE-1 3
ATU-E, J5D003AG-1 3
DCLU, J5D003AR-2 3
DCLU-S, J5D003AS-2 2
PPMU, J5D003AW-1 3
DLTU-E, J5D003BA-1 3
MMSU, J5D003BD-1 3
PSU, J5D003BL-1 3
RCU, J5D003FC-1 3
TRCU, J5D003ED-1 2
TRCU2, J5D003ED-2 2
ECSU, J5D003JD-1 2
DLTU-R J5D003FF-1 3
IDCU, J5D003FL-1 3
GDSUE J5D003BC-1 3
LU2 J5D004AC-2 4
LU3 J5D004AD-1 4
LU2-E J5D004AE-1 4
LU3-E J5D003AA-1 4
DLTU2 J5D024AA-1 3
MMSUE J5D003FD-1 3
FPPMU J5D003FK-1 3
DLTU3 J5D003FN-1 3
PPMUE2 J5D003BR-1 3
CM2C J5D020AJ-5 (2 SHELVES) 3
DCTU J1P023AM-1 L-1 ONLY 3
DCTU J1P023AM-1 L-1&2 ONLY 4
DCTU J1P023AM-1 L-2&3 4
.
IN ADDITION TO THE ABOVE, THE FOLLOWING CRITERION MUST BE USED TO FINALIZE QUANTITIES OF LIST 8. SUBTRACT ONE LIST 8 FROM UNIT QUANTITY SHOWN ABOVE EACH TIME THAT UNIT IS MOUNTED DIRECTLY ABOVE ANOTHER UNIT. I.E. NO PLENUM BETWEEN UNITS. \$THE FAN UNIT IS CLASSIFIED AS 'ANOTHER UNIT', AND IS ALWAYS EQUIPPED.\$ AN EXCEPTION TO THIS RULE IS WHEN A DCTU E/W LISTS 1,2 & 3 IS MOUNTED DIRECTLY ABOVE ANOTHER UNIT. NO SUBTRACTING IS REQUIRED FOR THE DCTU. AN ADDITIONAL LIST 8 MUST BE SUBTRACTED FROM ANY UNIT MOUNTED IN THE TOP-MOST CABINET POSITION \$OR BETWEEN TWO CABINET POSITIONS\$ OR BETWEEN TWO EXISTING UNITS.
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ISSUE NOTES (CONTINUED)

H8554 - IMPLEMENTS THE FOLLOWING CABINET UNITIZATION RULES: ENGINEERING NOTE 73 IS LINED OUT AND REPLACED BY ENGINEERING NOTE 77. ENGINEERING NOTE 77 IS ADDED. UPDATE TABLE "A" FOR LISTS E, F, G AND H TO REFERENCE ENGINEERING NOTE 77.

ORIG ISS: 02/01/93 NDD NBR: NDD5D003NW-977 CHANGE CLASS: ME

DRAFT: MJK	ENGR: MJK	SUPV: FNG	CERTIFIED: 11/23/99	ISSUE: 16
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H8783 - UPDATES DRAWING FOR 7R/E PLS APPLICATION. ENGINEERING NOTES 61, 71, AND 72 MODIFIED.

ORIG ISS: 02/01/93 NDD NBR: NDD5D003NW-1040 CHANGE CLASS: B

DRAFT: ESK	ENGR: ESK	SUPV: FNG	CERTIFIED: 01/14/00	ISSUE: 17
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H09102 - CHANGES PLENUM FROM BOX TYPE TO FLAT PLATE TYPE. TABLE A LIST 9 RATING MARKED AS DA. TABLE A LIST 25 ADDED. ENGINEERING NOTE 78 REFERENCE TO "LIST 9" MODIFIED TO "LIST 9 AND 25".
MANUFACTURING NOTE 17 DRAWING NUMBER CORRECTED, PER AR 1-0081554. ED5D695-16 WAS ED5D695-11. MANUFACTURING NOTE 28 ADDED. STOCKLIST ITEMS 1280 AND 1585 ADDED FOR LIST 25.

ORIG ISS: 02/01/93 CHANGE CLASS: B

DRAFT: ESK	ENGR: ESK	SUPV: FNG	CERTIFIED: 03/09/01	ISSUE: 18
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CASE H09290 - ADDS THE FAC CABINET WITH LEVELING FEET. TABLE A: ADDED LIST 1D; RATED LISTS 1B AND 1C DA WITH FE: L1D. REFERENCE TO LIST 1D ADDED TO DESCRIPTION OF LISTS 12, 14, 20, 21, I, J, M, N, TA, TB.
ENGINEERING NOTE 69 MODIFIED TO ADD REFERENCE TO LIST 1D. STOCKLIST: ADDED ITEM 1014; ADDED LIST 1D TO ITEMS 1025, 1235, 1250, 1280, 1290, AND 1520.

ORIG ISS: 02/01/93 CHANGE CLASS: B

DRAFT: ESK	ENGR: ESK	SUPV: FNG	CERTIFIED: 03/09/01	ISSUE: 19
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BT13

SESS(R) SWITCHING EQUIPMENT
SPECIFICATION FOR
SESS-2000 CABINET

DWG SIZE C2	ISSUE 19
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LUCENT TECHNOLOGIES INC J5D003N-1

SHEET A2 OF 18

J5D003N-1

ENGINEERING NOTES

***** CONTINUED *****

BE USED ON THE REAR OF THE CABINET ONLY.
 FOR EMC COMPLIANT APPLICATIONS, APPLICABLE CABINETS MUST BE EQUIPPED WITH ONE "EMC FRAME ADDITION KIT" WHICH IS ORDERED PER ED5D785-70. THE CORRECT GROUP MUST BE SPECIFIED TO PROVIDE THE APPROPRIATE KIT FOR EACH SPECIFIC CABINET/APPLICATION.
 ADDITIONAL TOWEL BARS CAN BE ORDERED FROM ED5D860-30.
 500. THIS LIST MAY BE SPECIFIED AS A MAIN OR SUPPLEMENTAL ITEM.

ENGINEERING NOTES

***** CONTINUED *****

ORDERED FROM THE LTP CABINET DRAWING (J5D003F-2 OR J5D003N-1).
 LTP CABINETS 001, 002, 005, 006, 007 AND 008 REQUIRE EITHER A UNITIZED OR NON-UNITIZED KIT DEPENDING ON WHETHER PARTIAL UNITIZATION IS REQUIRED OR NOT. THIS LIST IS TO BE ORDERED FROM THE LTP CABINET DRAWING (J5D003F-2 OR J5D003N-1).
 UNITIZING LISTS ARE ORDERED FROM THE INDIVIDUAL DRAWING USED FOR THE LTP CABINET (J5D003F-2 OR J5D003N-1). FOR APPLICATIONS IN WHICH THE LTP CABINET IS ORDERED FROM J5D003F-2, REFERENCE THE J5D003F-2 DRAWING FOR THE PROPER LIST TO ORDER THE UNITIZING HARDWARE. FOR APPLICATIONS IN WHICH THE LTP CABINET IS ORDERED FROM J5D003N-1 DRAWING, THE UNITIZED HARDWARE IS ORDERED AS FOLLOWS:
 MIN 0, MAX 1 LIST "G" IS REQUIRED FOR EACH LTP TO BE SHIPPED IN EMC TREATED APPLICATIONS.
 MIN 0, MAX 1 LIST "E" IS REQUIRED FOR EACH LTP TO BE SHIPPED IN NON-EMC TREATED APPLICATIONS.
 LTP CABINETS GROWN IN THE FIELD TO AN EXISTING SM2000 ALWAYS REQUIRE ONE NON-UNITIZED KIT TO CONNECT THE LTP CABINET TO AN ADJACENT CABINET WITHIN THE LINE-UP.
 NON-UNITIZING LISTS ARE ALWAYS ORDERED FROM THE INDIVIDUAL DRAWING USED FOR EACH LTP CABINET (J5D003F-2 OR J5D003N-1). ONE NON-UNITIZED LIST SHOULD BE ORDERED FOR EACH LTP CABINET IN THE CONFIGURATION. FOR APPLICATIONS IN WHICH THE LTP CABINET IS ORDERED FROM THE J5D003F-2, REFERENCE THE J5D003F-2 DRAWING FOR THE PROPER LIST TO ORDER THE NON-UNITIZING HARDWARE. FOR APPLICATIONS IN WHICH THE LTP CABINET IS ORDERED FROM THE J5D003N-1 DRAWING, THE NON-UNITIZED HARDWARE IS ORDERED AS FOLLOWS:
 MIN 0, MAX 1 LIST "H" IS REQUIRED FOR EACH LTP TO BE SHIPPED IN EMC TREATED APPLICATIONS.
 MIN 0, MAX 1 LIST "F" IS REQUIRED FOR EACH LTP TO BE SHIPPED IN NON-EMC TREATED APPLICATIONS.
 78. PLENUM (LIST 9 OR 25) EQUIPAGE WITH UNI-DIRECTIONAL FAN UNITS (J5D003BE & J5D003BN):
 * PLENUMS ARE REQUIRED WHEN THERE IS AN EMPTY SHELF SPACE BETWEEN UNITS.
 * PLENUMS ARE NOT REQUIRED WHEN SPACE REMAINS BETWEEN THE TOP OF THE CABINET AND THE UPPER MOST EQUIPPED UNIT.
 PLENUM (LIST 9 OR 25) EQUIPAGE WITH EXHAUST FAN UNIT (J5D003BW):
 * PLENUMS ARE REQUIRED IN ALL OPEN SHELF SPACES.
 PLENUM (LIST 9 OR 25) EQUIPAGE WITH THE BI-DIRECTIONAL FAN UNIT (J5D003FH):
 * RULES FOR SPACE ABOVE THE BI-DIRECTIONAL FAN UNIT:
 - PLENUMS ARE REQUIRED WHEN THERE IS AN EMPTY SHELF SPACE BETWEEN UNITS.
 - PLENUMS ARE NOT REQUIRED ABOVE THE EQUIPPED UNITS ABOVE THE FAN UNIT.
 * RULES FOR SPACE BELOW THE BI-DIRECTIONAL FAN UNIT:
 - PLENUMS ARE REQUIRED WHEN THERE IS AN EMPTY SHELF SPACE BETWEEN UNITS.
 - PLENUMS ARE REQUIRED IN ALL OPEN SHELF SPACES BELOW THE LOWEST EQUIPPED UNIT BENEATH THE FAN UNIT.
 - PLENUMS ARE NOT REQUIRED IF THERE ARE NO UNITS EQUIPPED BELOW THE FAN UNIT. (IN THIS CASE THE FANS BLOWING DOWN NEED NOT BE RUNNING.) GROWTH BELOW THE FAN UNIT REQUIRES ORDERING PLENUM/S FOR OPEN SHELF SPACE.
 154. THIS CABINET CAN BE USED FOR ANY 5ESS APPLICATION, SUCH AS SM2000 SMC & LTP CABINETS OR "CLASSIC" SM SMC & LTP CABINETS.
 157. ONE (1) SMC2KBAS, ONE (1) SAFETY, AND ONE (1) UNITGIDE ALWAYS REQUIRED.
 171. MIN 0, MAX 1 ISLUGIDE REQUIRED FOR EACH ISLUI UNIT NOT PROVIDING ITS OWN FASKIT AND UNIT GUIDE KIT.
 173. FOR SMC2000 EQUIPPED WITH SMPU5 (J5D003NG), THE BOTTOM SHELF OF THE SMC CABINET (POSITION 011) IS AVAILBLE FOR SOME SINGLE SHELF PERIPHERAL UNITS PER APPLICATION SCHEMATIC SDS518-01.
 174. RESERVED
 499. EACH CABINET MUST BE EQUIPPED WITH TWO 5ESS DOOR ASSEMBLIES WHICH ARE ORDERED PER ED5D785-70. THE CORRECT GROUP MUST BE SPECIFIED TO PROVIDE EMC OR NON-EMC DOORS AS REQUIRED BY JOB SPECIFICATIONS.
 EACH CABINET MUST BE EQUIPPED WITH TWO INDICATOR STRIP ASSEMBLIES WHICH ARE ORDERED PER ED5D785-70. THE CORRECT GROUP MUST BE SPECIFIED TO PROVIDE EMC OR NON-EMC COMPATIBLE INDICATOR STRIP ASSEMBLIES AS REQUIRED BY JOB SPECIFICATIONS. THE TWO LED CONFIGURATION (FAN AND FUSE) CAN BE USED ON THE FRONT AND REAR OF THE CABINET WHILE THE ZERO LED CONFIGURATION (BLANK) CAN
 ----- CONTINUED TO THE LEFT -----

ENGINEERING NOTES

***** CONTINUED *****

EXM2000, AND 7R/E APPLICATIONS, IS ORDERED OFF OF ED5D678-10.
 73. \$SM2000 CONFIGURATIONS SHALL BE PROVIDED AS PARTIALLY UNITIZED SHIPMENT FROM THE FACTORY UNLESS OTHERWISE REQUESTED BY ORDERING ENGINEER. ONLY THE FIRST THREE (3) CABINETS, THE SMC2000 (000) AND UP TO TWO (2) LTP CABINETS (001 & 002), SHALL BE JOINED TOGETHER. ALL SUCCEEDING LTP CABINETS (003,004,100,101,200 ETC) WILL BE SHIPPED LOOSE.
 THESE UNITIZING CONSTRAINTS ARE DUE TO HANDLING AND FLOORSPACE REQUIREMENTS IN THE FACTORY SYSTEM TEST AREA. WHEN SYSTEM TEST FLOORSPACE ISSUES ARE ADDRESSED IN THE FUTURE, OTHER UNITIZING CONFIGURATIONS WILL BE CONSIDERED.
 UNITIZING LISTS ARE ALWAYS ORDERED FROM THE SMC2000 CABINET DRAWING (J5D003N-1) ONLY. LIST A IS USED FOR ORIGINAL (ED5D741-70) FRAMES, AND LISTS E OR G ARE USED FOR GLOBAL (ED5D785-70) 5ESS-2000 FRAMES. ONE UNITIZING LIST SHOULD BE ORDERED FOR EACH LTP TO BE SHIPPED WITH THE SMC, MAXIMUM OF TWO.
 NON-UNITIZED LISTS ARE ALWAYS ORDERED FROM THE INDIVIDUAL CABINET DRAWING USED FOR EACH LTP BAY. ONE NON-UNITIZED LIST SHOULD BE ORDERED FOR EACH LTP CABINET IN THE CONFIGURATION. FOR CABINET J5D003N-1, LIST B IS USED FOR ORIGINAL (ED5D741-70) 5ESS FRAMES, AND LISTS F AND H ARE USED FOR GLOBAL (ED5D785-70) 5ESS-2000 FRAMES.
 REPLACED BY ENGINEERING NOTE 77.\$
 75. ETHERNET GRD BULKHEAD FOR EMC TREATMENT APPLICATIONS (LIST 21) IS INSTALLED IN THE GLOBAL CABLE RACK, MOUNTED ON GROUNDING PLATE GRP 6I, ORDERED FROM ED5D779-70. ONE GRP 6I IS REQUIRED PER VCDX/SM2000. IN ADDITION, TWO 25-PIN SHIELDED RS232 CABLES ARE ALSO MOUNTED ON THE GRP 6I GROUNDING PLATE FOR EMC TREATED VCDX/SM2000 APPLICATIONS. DETAILS ON INSTALLATION OF THE CABLES AND GROUNDING PLATE IN THE GLOBAL CABLE RACK ARE PROVIDED IN THE 5ESS INSTALLATION HANDBOOK.
 76. LISTS Q,R,T,U,V,W,X,Y ARE MUTUALLY EXCLUSIVE. ONLY ONE SHOULD BE ORDERED PER SMC2000 TO PROVIDE MFFU FUSE LABELS. CHOICE DEPENDS ON UNITS EQUIPPED IN THE SMC2000 CABINET AND SELECTION OF EITHER STANDARD OR AUTO POWER RECOVERY (APR) FUSING CONFIGURATION.
 77. ONLY THE FIRST 9 BAYS OF AN SM2000 SMC LINEUP CAN BE PROVIDED AS PARTIALLY UNITIZED SHIPMENTS FROM THE FACTORY. OF THE 9 BAYS, ONLY THE FOLLOWING UNITIZED CONFIGURATIONS ARE VALID. (NOTE: DURING SHIPMENT, A MAXIMUM OF THREE CABINETS CAN BE JOINED TOGETHER AS SHOWN BELOW):

NUMBER OF UNITIZED BAYS	CABINET NUMBER			
	1	2	3	4
2 BAY SM	001, 000			
3 BAY SM	001, 000, 002			
4 BAY SM	003, 001, 000, 002			
5 BAY SM	003, 001, 000, 002, 004			
6 BAY SM	005, 003, 001, 000, 002, 004			
7 BAY SM	005, 003, 001, 000, 002, 004, 006			
8 BAY SM	007, 005, 003, 001, 000, 002, 004, 006			
9 BAY SM	007, 005, 003, 001, 000, 002, 004, 006, 008			

GROUPINGS OF JOINED CABINETS

 ALL SUCCEEDING LTP CABINETS WITHIN THE SWITCHING MODULE (009, 010, 100, 101, 200, 201, ETC.) WILL BE SHIPPED LOOSE (NON-UNITIZED). THESE UNITIZED CONSTRAINTS ARE DUE TO HANDLING AND FLOORSPACE REQUIREMENTS IN THE FACTORY SYSTEM TEST AREA. WHEN SYSTEM FLOORSPACE ISSUES ARE ADDRESSED IN THE FUTURE, OTHER UNITIZING CONFIGURATIONS WILL BE CONSIDERED.
 LTP CABINETS 003, 004, 009 OR GREATER ALWAYS REQUIRE A NON-UNITIZED KIT (EMC OR NON-EMC PER THE SPECIFIC APPLICATION). LTP CABINETS 003 AND 004, EVEN IF UNITIZATION IS REQUIRED, NEED ADDITIONAL NON-UNITIZING KITS TO INTERCONNECT TO LTP CABINETS 001 AND 002 RESPECTIVELY IN THE FIELD. THIS LIST IS TO BE
 ----- CONTINUED TO THE LEFT -----

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BT13

5ESS(R) SWITCHING EQUIPMENT
 SPECIFICATION FOR
 5ESS-2000 CABINET

DWG SIZE C2	ISSUE 19
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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	
ASSEMBLY AND EQUIPMENT REQUIRED FOR ONE (1) 5ESS-2000 CABINET FRAMEWORK DA EFF:04/08/94 FE:J5D003N-1,L1A		DA	1	1	ED5D741-70	1			SD5D198-01			
ASSEMBLY AND EQUIPMENT REQUIRED FOR ONE (1) 5ESS-2000 CABINET ASSEMBLY REQUIRED FOR USE IN EMC TREATMENT COMPATIBLE APPLICATIONS. REPL:J5D003N-1,L1 DA EFF:10/06/95 FE:J5D003N-1,L1B	64 70	DA	1A	1	ED5D741-70	1B			SD5D198-01			
ASSEMBLY AND EQUIPMENT REQUIRED FOR ONE (1) 5ESS-2000 CABINET - USED FOR BOTH EMC AND NON-EMC TREATMENT APPLICATIONS. REPL:J5D003N-1,L1A DA EFF:03/19/01 FE:J5D003N-1,L1D	499	DA	1B	1	ED5D785-70	1A						
ASSEMBLY AND EQUIPMENT REQUIRED FOR ONE (1) 5ESS-2000 CABINET - USED FOR BOTH EMC AND NON-EMC TREATMENT APPLICATIONS ONLY FOR CABINETS EQUIPPED WITH AIU. REPL:NONE DA EFF:03/19/01 FE:J5D003N-1,L1D	499	DA	1C	1	ED5D785-70	1D						
ASSEMBLY AND EQUIPMENT REQUIRED FOR ONE (1) 5ESS-2000 CABINET WITH LEVELING FEET - USED FOR BOTH EMC AND NON-EMC TREATMENT APPLICATIONS. REPL:J5D003N-1,L1B,L1C	499		1D	1	ED5D785-70	1C						
EQUIPMENT REQUIRED IN ADDITION TO LIST 1A TO PROVIDE DOOR ASSEMBLY FOR USE IN EMC TREATMENT COMPATIBLE APPLICATIONS. (INCLUDES FRONT AND REAR DOORS, LOWER DOOR FRAMES, KICK PANELS, AIR DEFLECTOR AND MOUNTING HARDWARE) DA EFF:10/06/95 FE:J5D003N-1,L2A	64 70	DA	2	1	ED5D741-70	2						
EQUIPMENT REQUIRED TO PROVIDE DOOR ASSEMBLY KIT FOR EMC TREATMENT APPLICATIONS. REPL:J5D003N-1,L2 DA EFF:11/13/98 FE/RA:NONE		DA	2A	1	ED5D785-70	2B						
EQUIPMENT REQUIRED IN ADDITION TO LIST 1, 1A OR 15 TO PROVIDE ONE FUSE/FAN ALARM INDICATOR STRIP. DA EFF:10/06/95 FE:J5D003N-1,L3A	54 55 70	DA	3									
EQUIPMENT REQUIRED IN ADDITION TO LIST 1B OR 1C TO PROVIDE ONE FUSE/FAN ALARM INDICATOR STRIP KIT FOR NON-EMC TREATMENT APPLICATIONS. REPL:J5D003N-1,L3 DA EFF:11/13/98 FE/RA:NONE	54 55	DA	3A	1	ED5D785-70	3A						
EQUIPMENT REQUIRED IN ADDITION TO LIST 3 TO PROVIDE ONE CIRCUIT MODULE. DA EFF:10/01/96 FE:J5D003N-1,L3A		DA	4									
EQUIPMENT REQUIRED TO PROVIDE ONE BLANK INDICATOR STRIP. DA EFF:10/06/95 FE:J5D003N-1,L5A	55 70	DA	5									
EQUIPMENT REQUIRED IN ADDITION TO LIST 1B OR 1C TO PROVIDE ONE BLANK INDICATOR STRIP KIT FOR NON-EMC TREATMENT APPLICATIONS. REPL:J5D003N-1,L5 DA EFF:11/13/98 FE/RA:NONE	54 55	DA	5A	1	ED5D785-70	3C						

TABLE-A CONTINUED

J5D003N-1

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	
EQUIPMENT REQUIRED TO PROVIDE ONE 132-TYPE GUIDE FOR MOUNTING 132-TYPE APPARATUS HOUSINGS. (TWO REQUIRED PER HOUSING).	56		6									
EQUIPMENT REQUIRED TO PROVIDE ONE 500-TYPE GUIDE FOR MOUNTING 500-TYPE APPARATUS HOUSINGS. (FOUR REQUIRED PER HOUSING).	56		7									
EQUIPMENT REQUIRED TO PROVIDE ONE CABLE SUPPORT (TOWEL BAR).	57 58 499		8									
EQUIPMENT REQUIRED TO PROVIDE ONE PLENUM ASSEMBLY TO FILL VACANCIES BETWEEN SHELVES. DA EFF:03/19/01 FE:J5D003N-1,25	78 500	DA	9									
EQUIPMENT REQUIRED TO PROVIDE ONE TOWEL BAR TO BE MOUNTED BEHIND THE FUSE/FILTER UNIT. DA EFF:10/01/96 FE/RA:NONE		DA	10									
EQUIPMENT REQUIRED TO PROVIDE ONE CABLE SUPPORT FOR USE WITH ISLU AND ISLU2. REPL:NONE	58 62 66 500		11									
EQUIPMENT REQUIRED IN ADDITION TO LIST 1,1A,1B,1C,1D OR 15 TO PROVIDE ONE ISLU2 PLENUM ASSEMBLY. REPL:NONE	63 500		12									
EQUIPMENT REQUIRED TO PROVIDE ONE CABLE SUPPORT FOR USE WITH ISLU DRAWER UNITS. REPL:NONE	66 500		13									
EQUIPMENT REQUIRED IN ADDITION TO LIST 1A,1B,1C,1D OR 15 WHEN AN ALARM STATUS UNIT (ASU2) IS EQUIPPED FOR VCDX2000 OR EXM2000 REPL:NONE	72		14									
EQUIPMENT REQUIRED FOR ONE (1) 5ESS-2000 BASIC CABINET ASSEMBLY REQUIRED FOR USE IN NON-EMC TREATMENT COMPATIBLE APPLICATIONS. REPL:NONE DA EFF:10/06/95 FE/RA:NONE	70	DA	15	1	ED5D741-70	1A						
EQUIPMENT REQUIRED IN ADDITION TO LIST 15 TO PROVIDE DOOR ASSEMBLY FOR USE IN NON-EMC TREATMENT COMPATIBLE APPLICATIONS. (INCLUDES FRONT AND REAR DOORS, LOWER DOOR FRAMES, KICK PANELS, AIR DEFLECTOR AND MOUNTING HARDWARE) REPL:NONE DA EFF:10/06/95 FE:J5D003N-1,L16A	70	DA	16	1	ED5D741-70	2A						

TABLE-A CONTINUED

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BT13

5ESS(R) SWITCHING EQUIPMENT
SPECIFICATION FOR
5ESS-2000 CABINET

DWG SIZE C2 ISSUE 19

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SHEET A4 OF 18

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TABLE A-FEATURES (CONTINUED)												
EQUIPMENT		REF NOTE	RAT-ING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA					SD EQUIVALENT		
DESCRIPTION	QTY				EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT	
EQUIPMENT REQUIRED TO PROVIDE A DOOR ASSEMBLY KIT FOR NON-EMC TREATMENT APPLICATIONS. REPL:J5D003N-1,L16 DA EFF:11/13/98 FE/RA:NONE			DA	16A	1	ED5D785-70	G2A					
EQUIPMENT REQUIRED IN ADDITION TO LIST 1B OR 1C TO PROVIDE ONE FUSE/FAN ALARM INDICATOR STRIP KIT FOR EMC TREATMENT APPLICATIONS. REPL:NONE DA EFF:11/13/98 FE/RA:NONE	54 55		DA	17	1	ED5D785-70	3B					
EQUIPMENT REQUIRED IN ADDITION TO LIST 1B OR 1C TO PROVIDE ONE BLANK INDICATOR STRIP KIT FOR EMC TREATMENT APPLICATIONS. REPL:NONE DA EFF:11/13/98 FE/RA:NONE	54 55		DA	18	1	ED5D785-70	3D					
EQUIPMENT REQUIRED TO PROVIDE ONE EMC FRAME ADDITION KIT CONTAINING FIELD INSTALLED HARDWARE FOR A SINGLE NON-SMC CABINET IN EMC TREATMENT APPLIC. REPL:NONE DA EFF:11/13/98 FE/RA:NONE	69		DA	19	1	ED5D785-70	4					
EQUIPMENT REQUIRED IN ADDITION TO LISTS 1A,1B,1C,1D OR 15 TO PROVIDE AN ETHERNET GROUND BULKHEAD FOR AWS/SM2000 OR VCDX/SM2000 IN NON-EMC TREATMENT APP.	71			20								
EQUIPMENT REQUIRED IN ADDITION TO LISTS 1A,1B,1C,1D OR 15 TO PROVIDE AN ETHERNET GROUND BULKHEAD FOR AWS/SM2000 OR VCDX/SM2000 IN EMC TREATMENT APPLIC. REPL:NONE	71 75			21								
EQUIPMENT REQUIRED FOR MOUNTING THREE (3) AIU UNITS (J8G000AA-1) ONE REQUIRED IN ADDITION TO L1C REPL:NONE				22								
EQUIPMENT REQUIRED FOR MOUNTING SIX (6) AIU UNITS (J8G000AA-1), ONE REQUIRED IN ADDITION TO L1C REPL:NONE				23								
EQUIPMENT REQUIRED TO PROVIDE ONE EMC FRAME ADDITION KIT CONTAINING FIELD INSTALLED HARDWARE FOR A SINGLE SM2000 SMC CABINET IN EMC TREATMENT APP REPL:NONE DA EFF:11/13/98 FE/RA:NONE	69		DA	24	1	ED5D785-70	4A					
EQUIPMENT REQUIRED TO PROVIDE TWO PLENUM PLATE ASSEMBLIES TO COVER ONE EMPTY EQUIPMENT CABINET SHELF SPACE. REPL:J5D003N-1,L9	78 500			25	1							
BASIC CABINET REPL:NONE DA EFF:08/30/96 FE:J5D003N-1,L500A			DA	500								
BASIC CABINET - SUPPORTS AIU REPL:J5D003N-1,L500 DA EFF:10/30/97 FE/RA:NONE			DA	500A								
EQUIPMENT KIT REQUIRED FOR EMC TREATMENT OF NON-SMC CABINET DA EFF:10/30/97 FE/RA:NONE			DA	501								
DOOR KIT, NON-EMC TREATMENT APPLICATIONS DA EFF:10/30/97 FE/RA:NONE			DA	502								

TABLE-A CONTINUED

J5D003N-1

TABLE A-FEATURES (CONTINUED)												
EQUIPMENT		REF NOTE	RAT-ING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA					SD EQUIVALENT		
DESCRIPTION	QTY				EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT	
DOOR KIT, EMC TREATMENT APPLICATIONS DA EFF:10/30/97 FE/RA:NONE			DA	503								
SAFETY EQUIPMENT KIT DA EFF:10/30/97 FE/RA:NONE			DA	504								
CABLE SUPPORT KIT, 4.0 IN DEPTH DA EFF:10/30/97 FE/RA:NONE			DA	505								
CABLE SUPPORT KIT, 3.0 IN DEPTH DA EFF:10/30/97 FE/RA:NONE			DA	506								
BLANK INDICATOR STRIP, NON-EMC APPLICATIONS DA EFF:10/30/97 FE/RA:NONE			DA	507								
BLANK INDICATOR STRIP, EMC TREATMENT APPLICATIONS DA EFF:10/30/97 FE/RA:NONE			DA	508								
FUSE AND FAN ALARM INDICATOR STRIP, NON-EMC APPLICATIONS DA EFF:10/30/97 FE/RA:NONE			DA	509								
FUSE AND FAN ALARM INDICATOR STRIP, EMC TREATMENT APPLICATION DA EFF:10/30/97 FE/RA:NONE			DA	510								
ASUZ POWER LUG KIT DA EFF:10/30/97 FE/RA:NONE			DA	511								
ETHERNET GROUND BULKHEAD KIT FOR NON-EMC TREATED VCDX/SM2000 APP. DA EFF:10/30/97 FE/RA:NONE			DA	512								
132-TYPE SHELF PLENUM KIT DA EFF:10/30/97 FE/RA:NONE			DA	513								
500-TYPE SHELF PLENUM KIT DA EFF:10/30/97 FE/RA:NONE			DA	514								
ETHERNET GROUND BULKHEAD FOR EMC TREATED VCDX/SM2000 APPLIC. DA EFF:10/30/97 FE/RA:NONE			DA	515								
EQUIPMENT KIT REQUIRED FOR EMC TREATMENT OF SM2000 SMC CABINET DA EFF:10/30/97 FE/RA:NONE			DA	516	1	ED5D785-70	4A					
EQUIPMENT REQUIRED TO PROVIDE JUNCTIONING HARDWARE FOR ONE ADDITIONAL CABINET. DA EFF:10/06/95 FE:J5D003N-1,LE		70	DA	A								

TABLE-A CONTINUED

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BT13

5ESS(R) SWITCHING EQUIPMENT
SPECIFICATION FOR
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SHEET A5 OF 18

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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
EQUIPMENT REQUIRED WHEN NON-UNITIZED SHIPMENT IS REQUIRED FOR ONE CABINET. (PROVIDES FOR REMOVAL OF INTERBAY CABLING). DA EFF:10/06/95 FE:J5D003N-1,LF	70	DA	B								
EQUIPMENT REQUIRED IN ADDITION TO LIST 1A TO PROVIDE EMC SHIELDING AT THE JUNCTION OF ADJACENT VERTICAL CABLE CHANNELS ON THE REAR OF 5ESS-2000 CABINETS. (FACTORY JUNCTIONED CABINETS ONLY). REPL:NONE DA EFF:10/06/95 FE/RA:NONE	64 65 70	DA	C	1	ED5D741-70	7A					
EQUIPMENT REQUIRED IN ADDITION TO LIST 1A TO PROVIDE EMC SHIELDING AT THE JUNCTION OF ADJACENT 5ESS-2000 TOP AND BOTTOM CABINET MEMBERS. (FACTORY JUNCTIONED CABINETS ONLY). REPL:NONE DA EFF:10/06/95 FE/RA:NONE	64 65 70	DA	D	1	ED5D741-70	11A					
EQUIPMENT REQUIRED TO PROVIDE JUNCTIONING HARDWARE FOR ONE ADDITIONAL 5ESS-2000 GLOBAL CABINET IN NON-EMC TREATMENT APPLICATIONS. REPL:J5D003N-1,LA	77		E								
EQUIPMENT REQUIRED WHEN NON-UNITIZED SHIPMENT IS REQUIRED FOR ONE 5ESS-2000 GLOBAL CABINET IN NON-EMC TREATMENT APPLICATIONS. (PROVIDES FOR REMOVAL OF INTERBAY CABLING.) REPL:J5D003N-1,LB	77		F								
EQUIPMENT REQUIRED TO PROVIDE JUNCTIONING HARDWARE FOR ONE ADDITIONAL 5ESS-2000 GLOBAL CABINET IN EMC TREATMENT APPLICATIONS. REPL:NONE	77		G								
EQUIPMENT REQUIRED WHEN NON-UNITIZED SHIPMENT IS REQUIRED FOR ONE 5ESS-2000 GLOBAL CABINET IN EMC TREATMENT APPLICATIONS. (PROVIDES FOR REMOVAL OF INTERBAY CABLING.) REPL:NONE	77		H								
METRIC FASTENERS (QUAN 2) REQUIRED IN ADDITION TO LISTS 8, 10,11,13 & 14 WHEN LIST 1B, 1C, OR 1D (PHASE II GLOBAL CABINET - METRIC) IS SPECIFIED.			I								
METRIC FASTENERS (QUAN 4) REQ'D. IN ADDITION TO LISTS 1B, 1C, 1D, 6, 9 WHEN LIST 1B, 1C, OR 1D (PHASE II GLOBAL 5ESS-2000 CABINET-METRIC) IS SPECIFIED.			J								
ENGLISH FASTENERS (QUAN 2) REQ'D IN ADDITION TO LISTS 1,1A,8,10, 11,13,14,15 WHEN LISTS 1,1A,15 (PHASE I 5ESS-2000 CABINET) ARE SPECIFIED. DA EFF:10/30/97 FE/RA:NONE		DA	K								
ENGLISH FASTENERS (QUAN 4) REQUIRED IN ADDITION TO LISTS 6, 9 WHEN LISTS 1,1A,15 (PHASE I 5ESS-2000 CABINET) ARE SPECIFIED DA EFF:10/30/97 FE/RA:NONE		DA	L								
TABLE-A CONTINUED											

J5D003N-1

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
METRIC FASTENERS (QUAN 4) REQUIRED IN ADDITION TO LIST 7 WHEN LIST 1B, 1C, OR 1D (PHASE II GLOBAL 5ESS-2000 CABINET-METRIC) IS SPECIFIED.			M								
METRIC FASTENERS (QUAN 8) REQUIRED IN ADDITION TO LIST 12 WHEN LIST 1B, 1C, OR 1D (PHASE II GLOBAL 5ESS-2000 CABINET-METRIC) IS SPECIFIED.			N								
ENGLISH FASTENERS (QUAN 4) REQUIRED IN ADDITION TO LIST 7 WHEN LISTS 1,1A,15 (PHASE I 5ESS-2000 CABINET) ARE SPECIFIED. DA EFF:10/30/97 FE/RA:NONE		DA	O								
ENGLISH FASTENERS (QUAN 8) REQUIRED IN ADDITION TO LIST 12 WHEN LISTS 1,1A,15 (PHASE I 5ESS-2000 CABINET) ARE SPECIFIED. DA EFF:10/30/97 FE/RA:NONE		DA	P								
MFFU FUSE POSITION LABELS FOR SMC2000 EQUIPED WITH TSIU4-2 AND SMPU5 (J5D003NB-2 & J5D003NG-1) IN APR FUSING CONFIGURATION REPL:NONE	76		Q								
MFFU FUSE POSITION LABELS FOR SMC2000 EQUIPED WITH TSIU4-2 AND SMPU5 (J5D003NB-2 & J5D003NG-1) IN STANDARD FUSING CONFIGURATION REPL:NONE	76		R								
MFFU FUSE POSITION LABELS FOR SMC2000 EQUIPED WITH TSIU4-2 AND SMPU4 (J5D003NB-2 & J5D003NA-1) IN STANDARD FUSING CONFIGURATION REPL:NONE	76		T								
MFFU FUSE POSITION LABELS FOR SMC2000 EQUIPED WITH TSIU4-2 AND SMPU4 (J5D003NB-2 & J5D003NA-1) IN APR FUSING CONFIGURATION REPL:NONE	76		U								
MFFU FUSE POSITION LABELS FOR SMC2000 EQUIPED WITH TSIU4 AND SMPU5 (J5D003NB-1 & J5D003NG-1) IN STANDARD FUSING CONFIGURATION REPL:NONE	76		V								
MFFU FUSE POSITION LABELS FOR SMC2000 EQUIPED WITH TSIU4 AND SMPU5 (J5D003NB-1 & J5D003NG-1) IN APR FUSING CONFIGURATION. REPL:NONE	76		W								
MFFU FUSE POSITION LABELS FOR SMC2000 EQUIPED WITH TSIU4 AND SMPU4 (J5D003NB-1 & J5D003NA-1) IN STANDARD FUSING CONFIGURATION REPL:NONE	76		X								
TABLE-A CONTINUED											

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BT13

5ESS(R) SWITCHING EQUIPMENT
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SHEET A6 OF 18

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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	
MFPU FUSE POSITION LABELS FOR SMC2000 EQUIPED WITH TSIU4 AND SMPU4 (J5D003NB-1 & J5D003NA-1) IN APR FUSING CONFIGURATION. REPL:NONE	76		Y									
MFPU FUSE POSITION LABELS FOR SMC2000 EQUIPED WITH TSIU4-2 AND SMPU5 (J5D003NB-2 & J5D003NG-1) IN APR FUSING CONFIGURATION DA EFF:10/30/97 FE/RA:NONE		DA	E1									
MFPU FUSE POSITION LABELS FOR SMC2000 EQUIPED WITH TSIU4-2 AND SMPU5 (J5D003NB-2 & J5D003NG-1) IN STANDARD FUSING CONFIGURATION DA EFF:10/30/97 FE/RA:NONE		DA	E2									
MFPU FUSE POSITION LABELS FOR SMC2000 EQUIPED WITH TSIU4-2 AND SMPU4 (J5D003NB-2 & J5D003NA-1) IN STANDARD FUSING CONFIGURATION DA EFF:10/30/97 FE/RA:NONE		DA	E3									
MFPU FUSE POSITION LABELS FOR SMC2000 EQUIPED WITH TSIU4-2 AND SMPU4 (J5D003NB-2 & J5D003NA-1) IN APR FUSING CONFIGURATION DA EFF:10/30/97 FE/RA:NONE		DA	E4									
MFPU FUSE POSITION LABELS FOR SMC2000 EQUIPED WITH TSIU4 AND SMPU5 (J5D003NB-1 & J5D003NG-1) IN STANDARD FUSING CONFIGURATION DA EFF:10/30/97 FE/RA:NONE		DA	E5									
MFPU FUSE POSITION LABELS FOR SMC2000 EQUIPED WITH TSIU4 AND SMPU5 (J5D003NB-1 & J5D003NG-1) IN APR FUSING CONFIGURATION. DA EFF:10/30/97 FE/RA:NONE		DA	E6									
MFPU FUSE POSITION LABELS FOR SMC2000 EQUIPED WITH TSIU4 AND SMPU4 (J5D003NB-1 & J5D003NA-1) IN STANDARD FUSING CONFIGURATION DA EFF:10/30/97 FE/RA:NONE		DA	E7									
MFPU FUSE POSITION LABELS FOR SMC2000 EQUIPED WITH TSIU4 AND SMPU4 (J5D003NB-1 & J5D003NA-1) IN APR FUSING CONFIGURATION. DA EFF:10/30/97 FE/RA:NONE		DA	E8									
MID-FAN UNIT GUIDE KIT REPL:NONE	157		G1									
132-TYPE (SINGLE HIGH) UNIT GUIDE KIT REPL:NONE DA EFF:11/13/98 FE/RA:NONE		DA	G2									
132-TYPE (DBL HIGH) UNIT GUIDE KIT REPL:NONE DA EFF:11/13/98 FE/RA:NONE		DA	G3									
500-TYPE (SINGLE HIGH) UNIT GUIDE KIT REPL:NONE DA EFF:11/13/98 FE/RA:NONE		DA	G4									
500-TYPE (DBL HIGH) UNIT GUIDE KIT REPL:NONE DA EFF:11/13/98 FE/RA:NONE		DA	G5									
ISLU1 TYPE UNIT GUIDE KIT REPL:NONE	171		G6									

TABLE-A CONTINUED

J5D003N-1

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	
AIU TYPE UNIT GUIDE KIT - THREE UNITS REPL:NONE DA EFF:11/13/98 FE/RA:NONE		DA	G7									
AIU TYPE UNIT GUIDE KIT - SIX UNITS REPL:NONE DA EFF:11/13/98 FE/RA:NONE		DA	G8									
NON-UNITIZED JUNCTION KIT, NON-EMC APPLICATIONS REPL:NONE DA EFF:11/13/98 FE/RA:NONE		DA	S1									
NON-UNITIZED JUNCTION KIT, EMC TREATMENT APPLICATIONS DA EFF:11/13/98 FE/RA:NONE		DA	S2									
UNITIZED JUNCTION KIT, NON-EMC APPLICATIONS REPL:NONE DA EFF:11/13/98 FE/RA:NONE		DA	U1									
UNITIZED JUNCTION KIT, EMC TREATMENT APPLICATIONS REPL:NONE DA EFF:11/13/98 FE/RA:NONE		DA	U2									
REQUIRED IN ADDITION TO LISTS 1, 1A,1B,1C,1D OR 15 ONLY WHEN THIS CABINET IS ADDED AS GROWTH TO AN EXISTING SM IN THE OFFICE. (PROVIDES FOR TESTING OF SINGLE CABINETS). REPL:NONE			TA									
REQUIRED IN ADDITION TO LIST 1, 1A,1B,1C,1D OR 15 WHEN SWITCHING MODULE SYSTEM TEST (SMST) IS NOT TO BE PERFORMED AT OKLAHOMA CITY. REPL:NONE			TB									

END OF TABLE-A

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BT13

5ESS(R) SWITCHING EQUIPMENT
SPECIFICATION FOR
5ESS-2000 CABINET

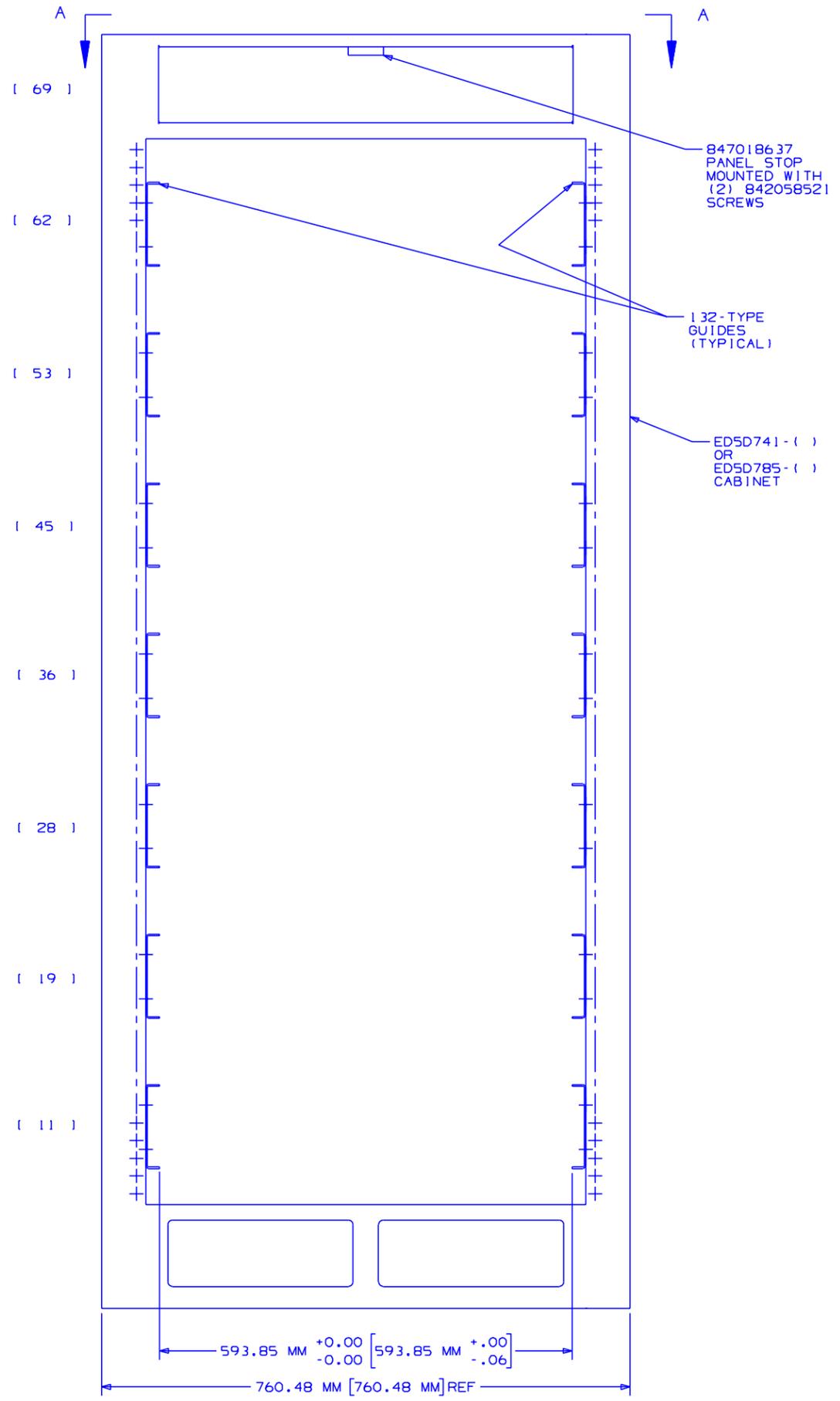
DWG SIZE
C2

ISSUE
19

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SHEET A7
OF 18

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FRONT VIEW
DOORS REMOVED
FIG. 1

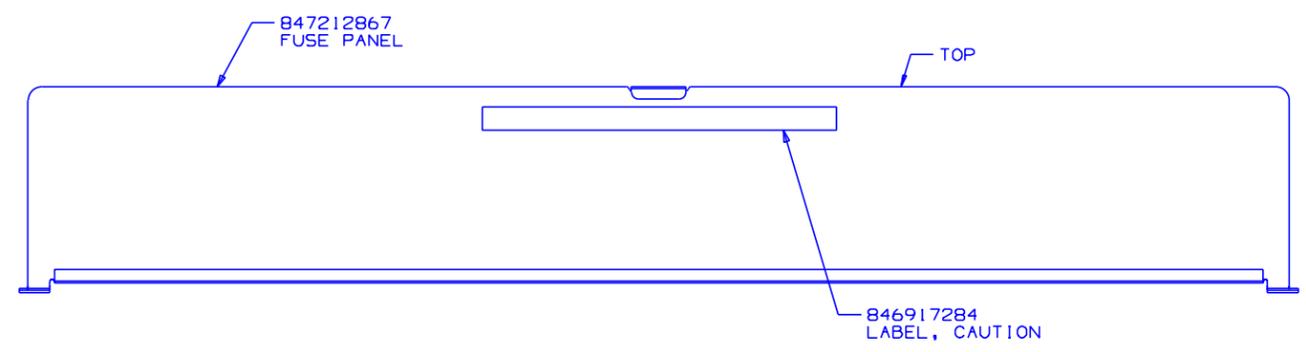
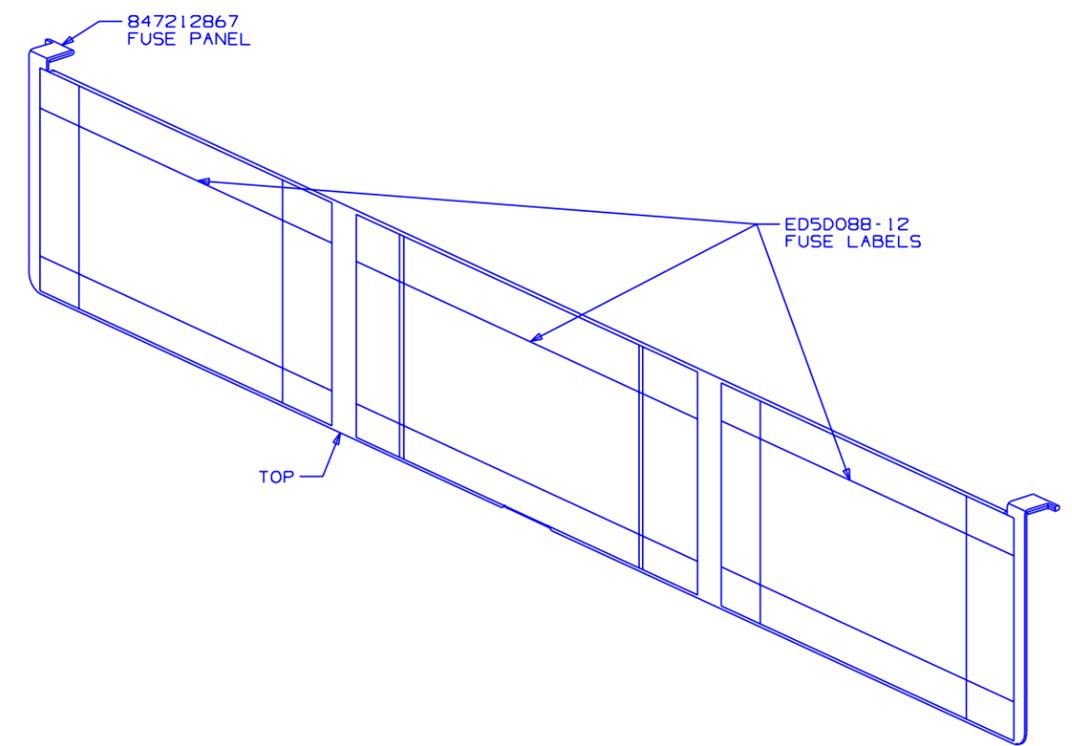
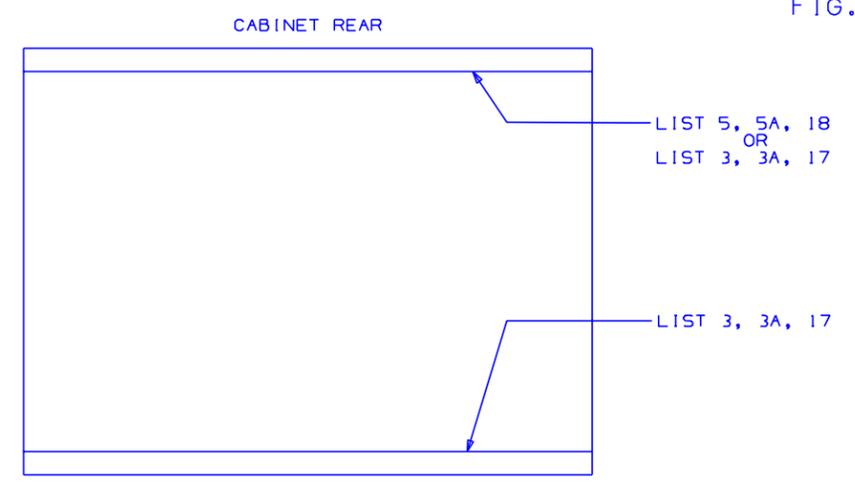


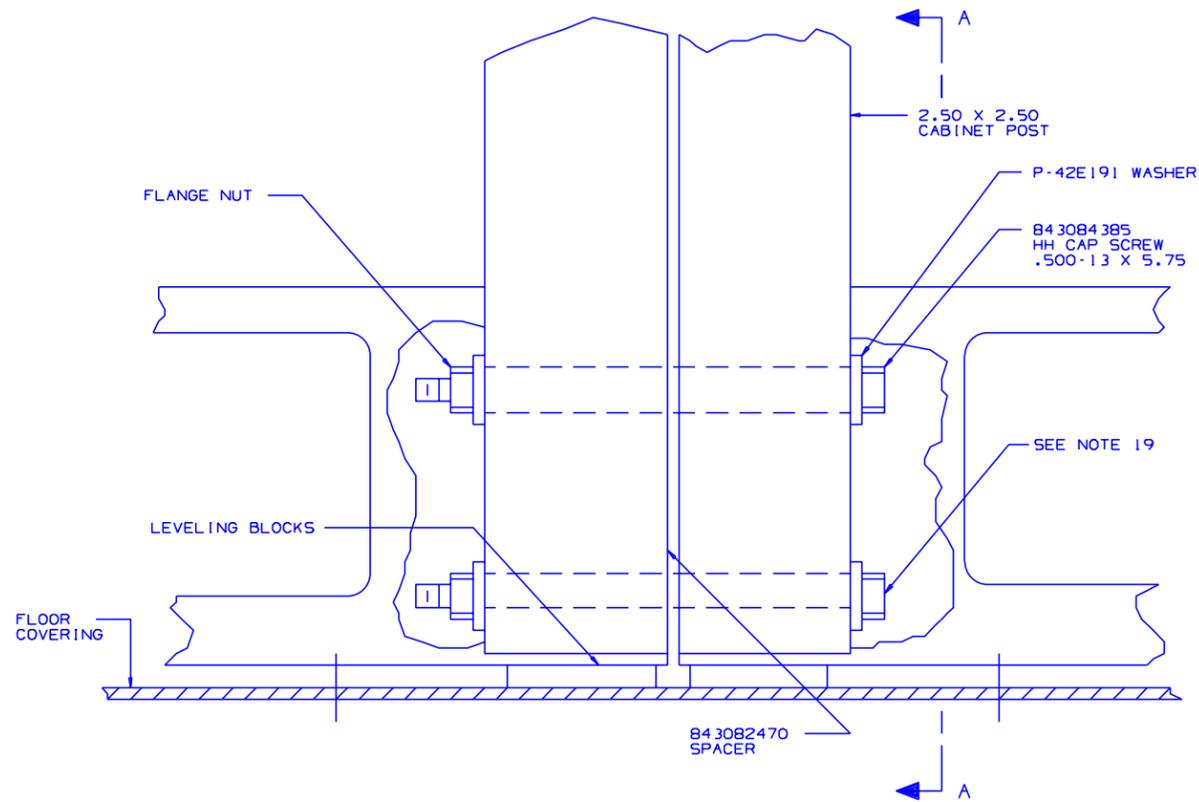
FIG. 2



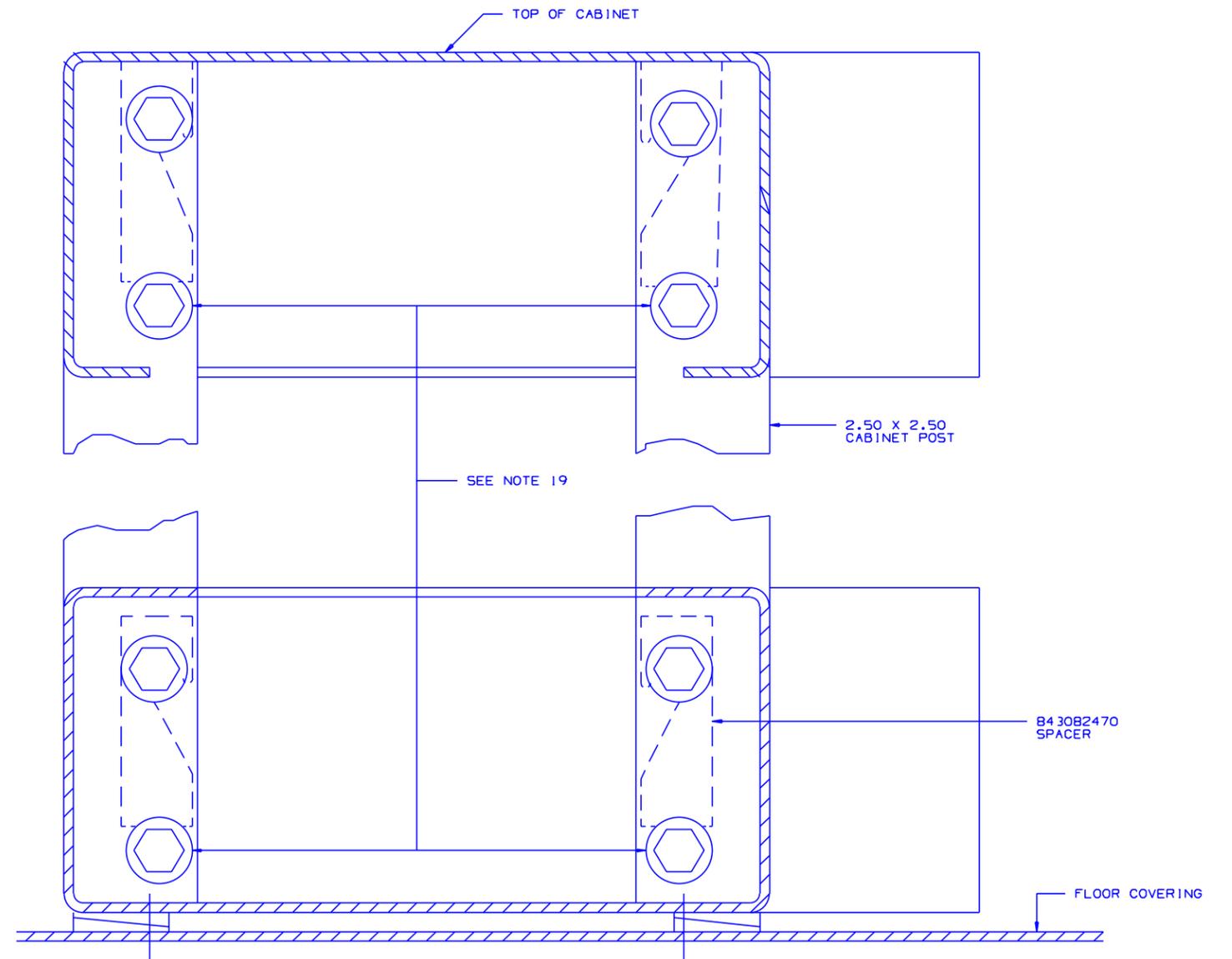
CABINET FRONT
VIEW A-A
INDICATOR STRIPS

J5D003N-1

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SESS SWITCHING EQUIPMENT SPECIFICATION FOR SESS-2000 CABINET	DWG SIZE	ISSUE
	C2	8
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FRONT VIEW
(DOORS REMOVED)
METHOD OF JUNCTIONING ONE CABINET TO ANOTHER CABINET
FIG. 3



VIEW A-A
(SEE NOTE 16 & 20)

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SESS SWITCHING EQUIPMENT SPECIFICATION FOR SESS-2000 CABINET	DWG SIZE	ISSUE
	C2	1
AT&T	J5D00 3N-1	SHEET B2

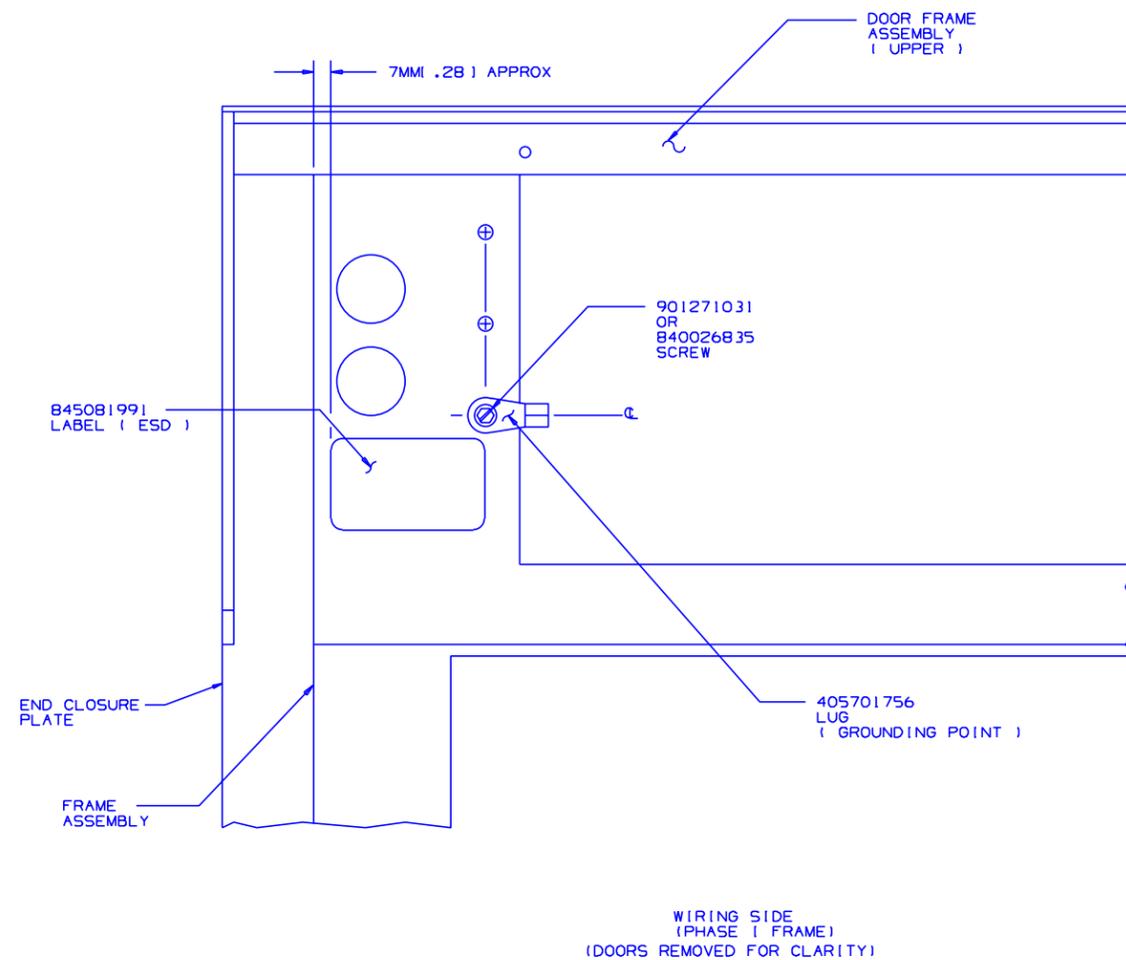
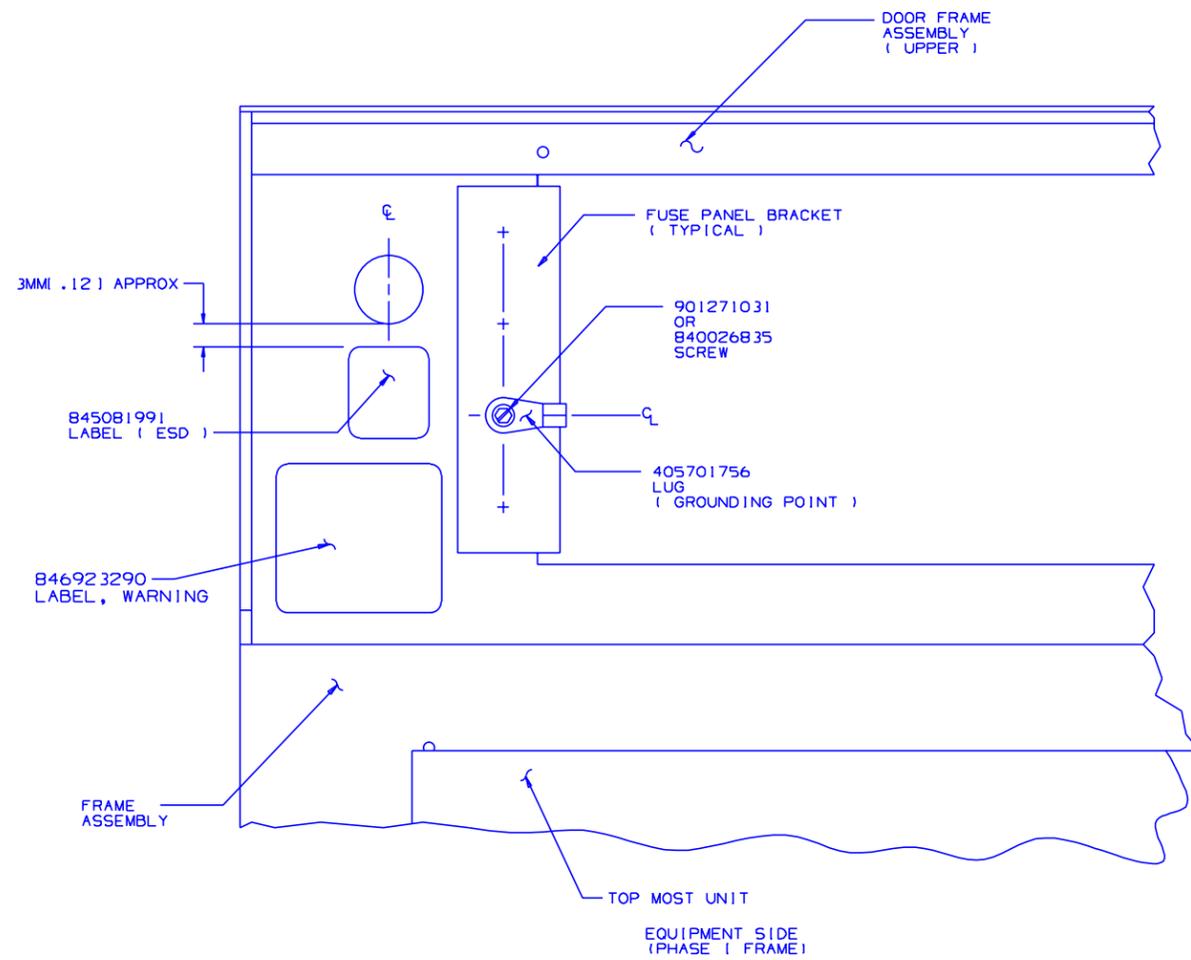


FIG. 4

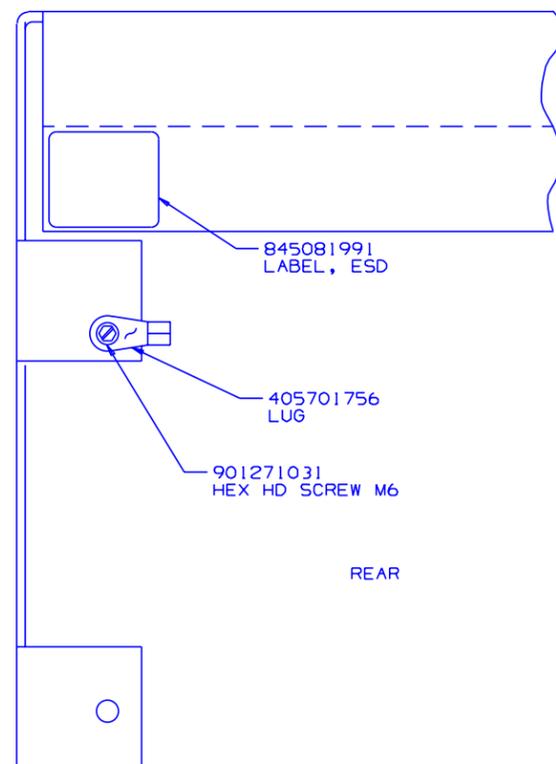
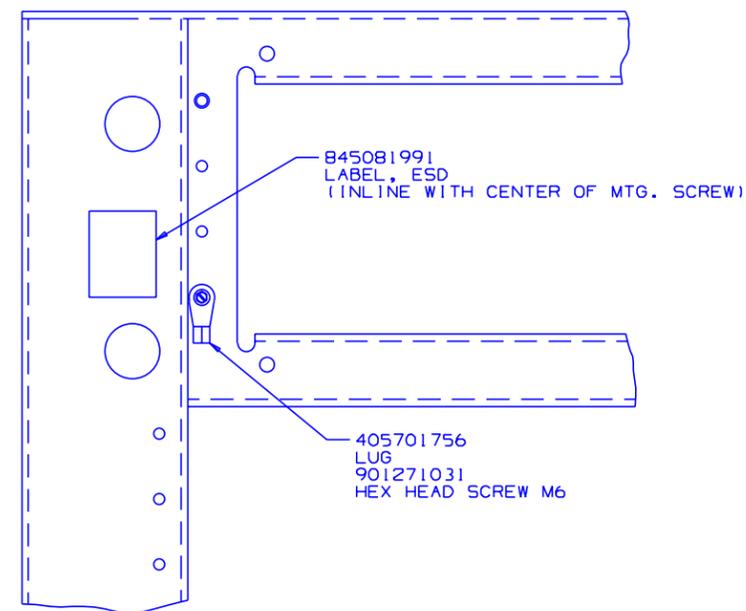


FIG. 4A
WIRING SIDE
PHASE II FRAME



(DOORS REMOVED FOR CLARITY)
FIG. 4B
EQUIPMENT SIDE
PHASE II FRAME

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SESS SWITCHING EQUIPMENT SPECIFICATION FOR SESS-2000 CABINET		DWG SIZE C2
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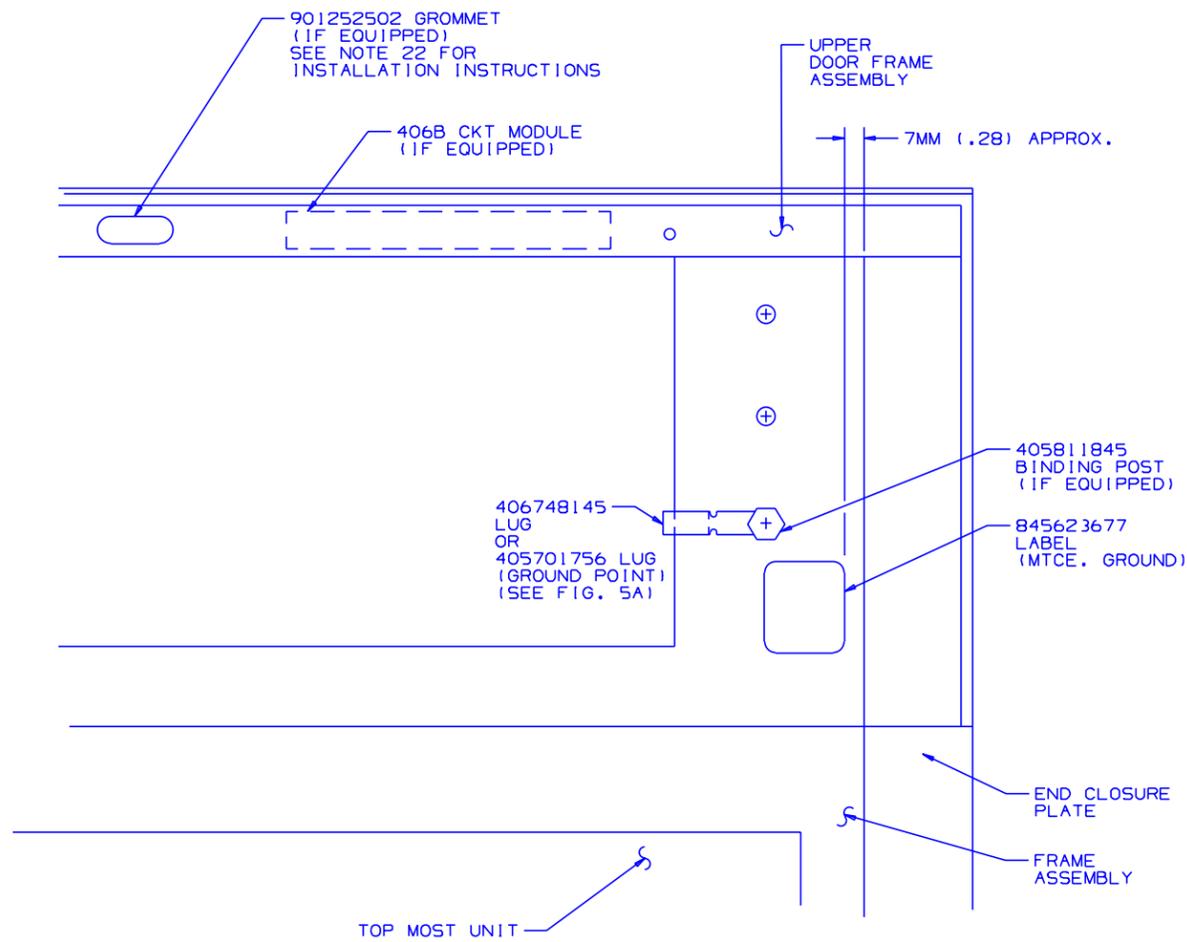


FIG. 5
WIRING SIDE
(DOORS REMOVED FOR CLARITY)

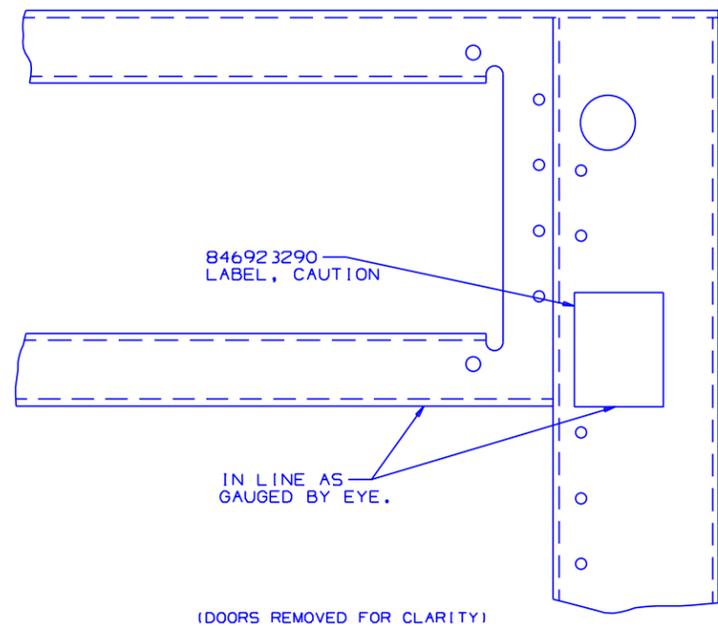


FIG. 5C
EQUIPMENT SIDE
PHASE II FRAME

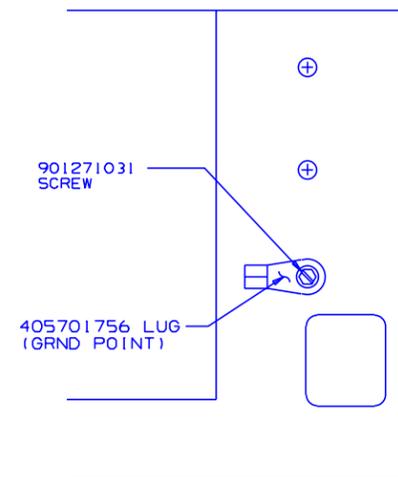


FIG. 5A
GROUNDING POINT DETAIL

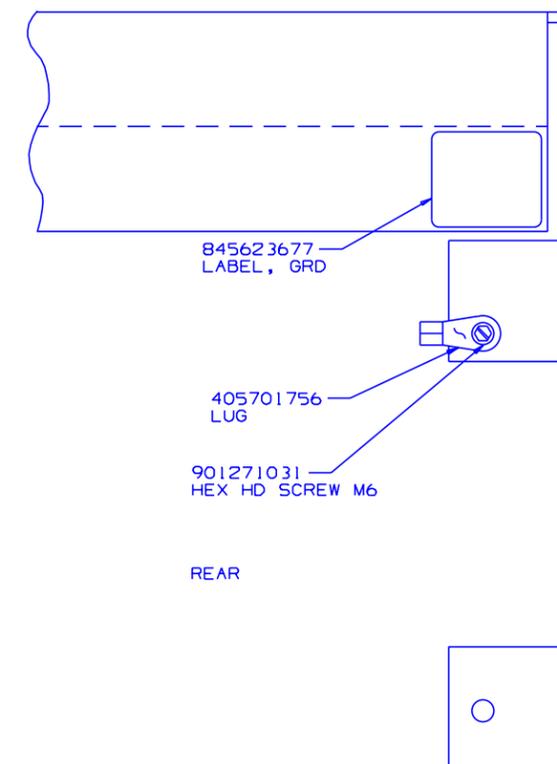


FIG. 5B
WIRING SIDE
PHASE II FRAME

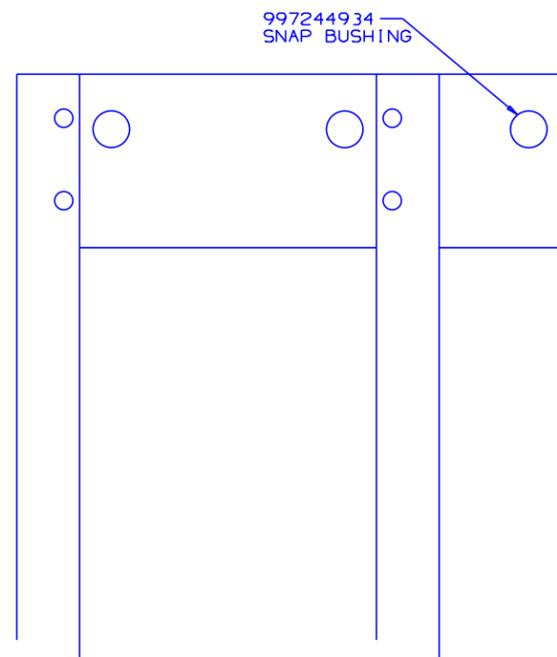
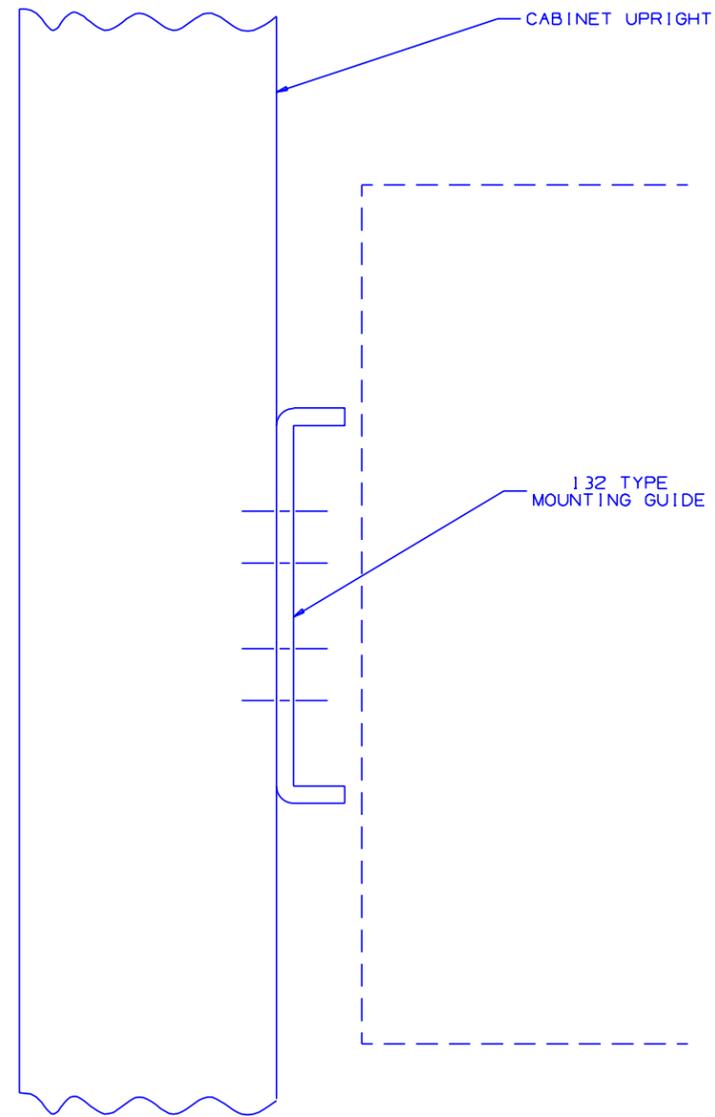
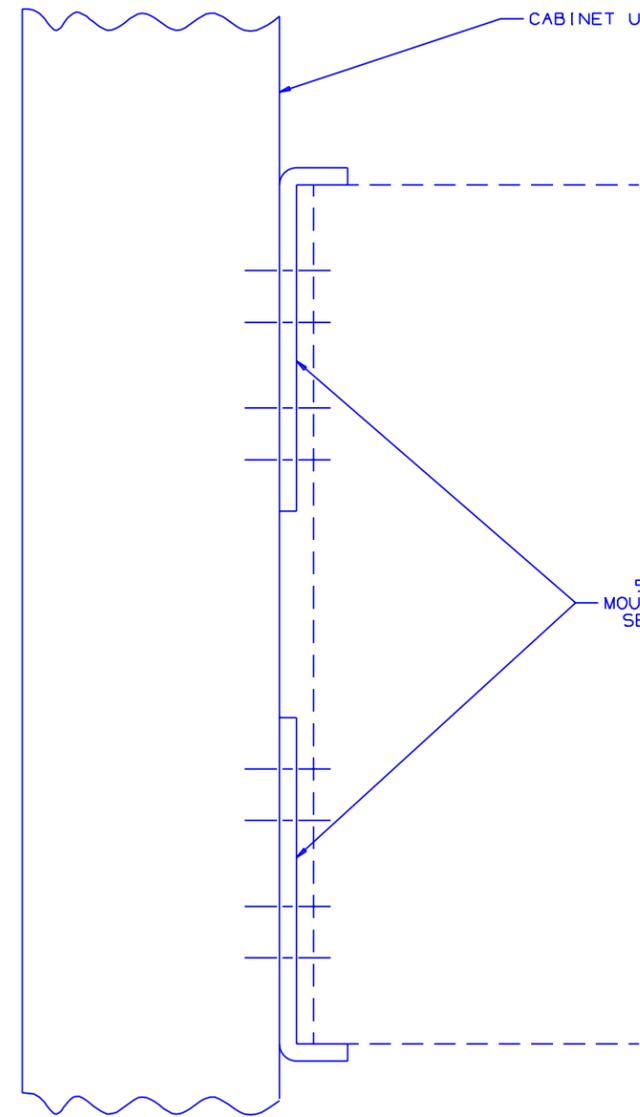


FIG. 7
SIDE VIEW



CABINET UPRIGHT

132 TYPE
MOUNTING GUIDE



CABINET UPRIGHT

500 TYPE
MOUNTING GUIDE
SEE NOTE 18

FIG. 6
FRONT VIEW
SHOWING UNIT MOUNTING GUIDES
MOUNTING ON CABINET UPRIGHT

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SESS SWITCHING EQUIPMENT
SPECIFICATION FOR
SESS-2000 CABINET

DWG SIZE C2	ISSUE 1
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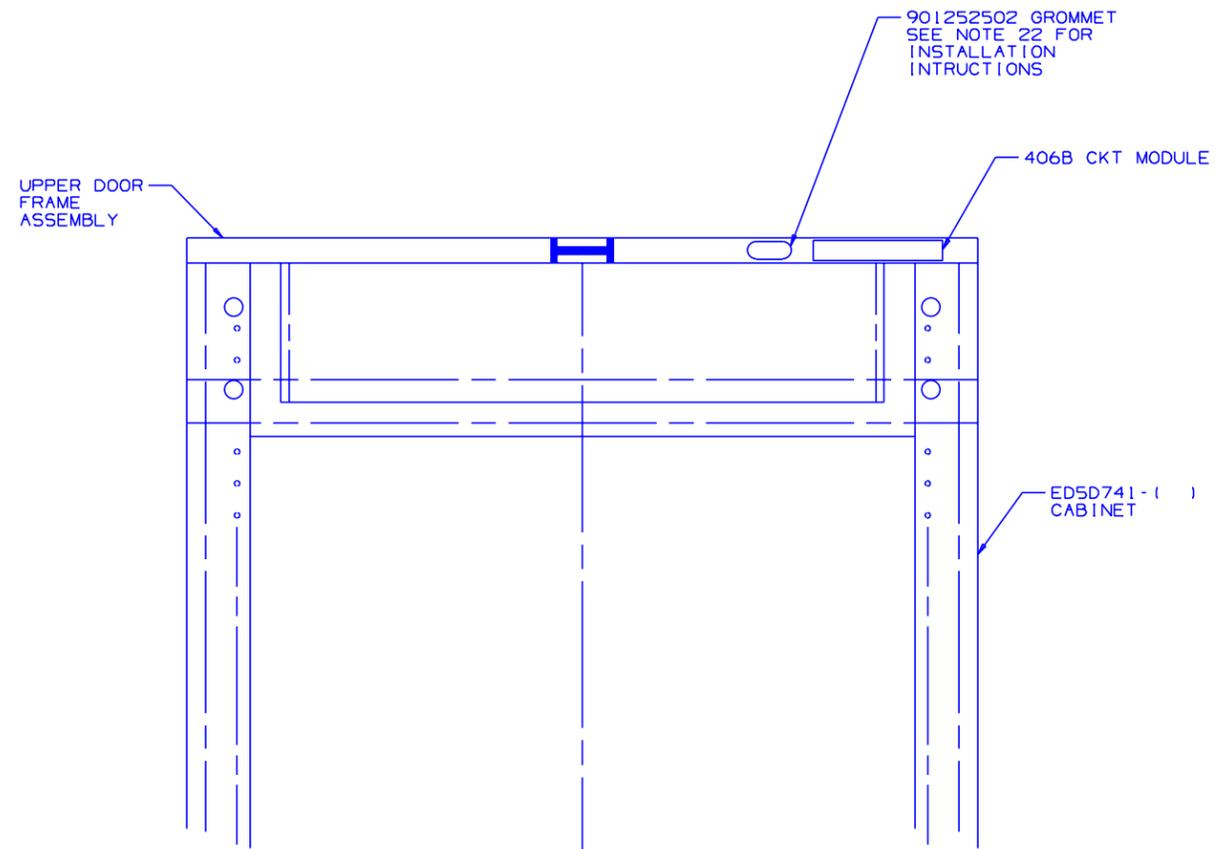


FIG. 8
FRONT VIEW

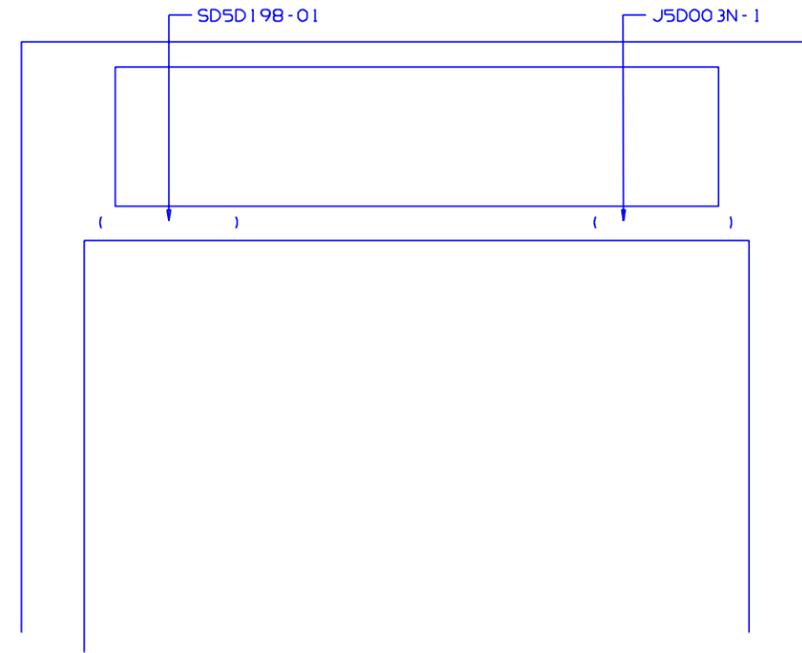
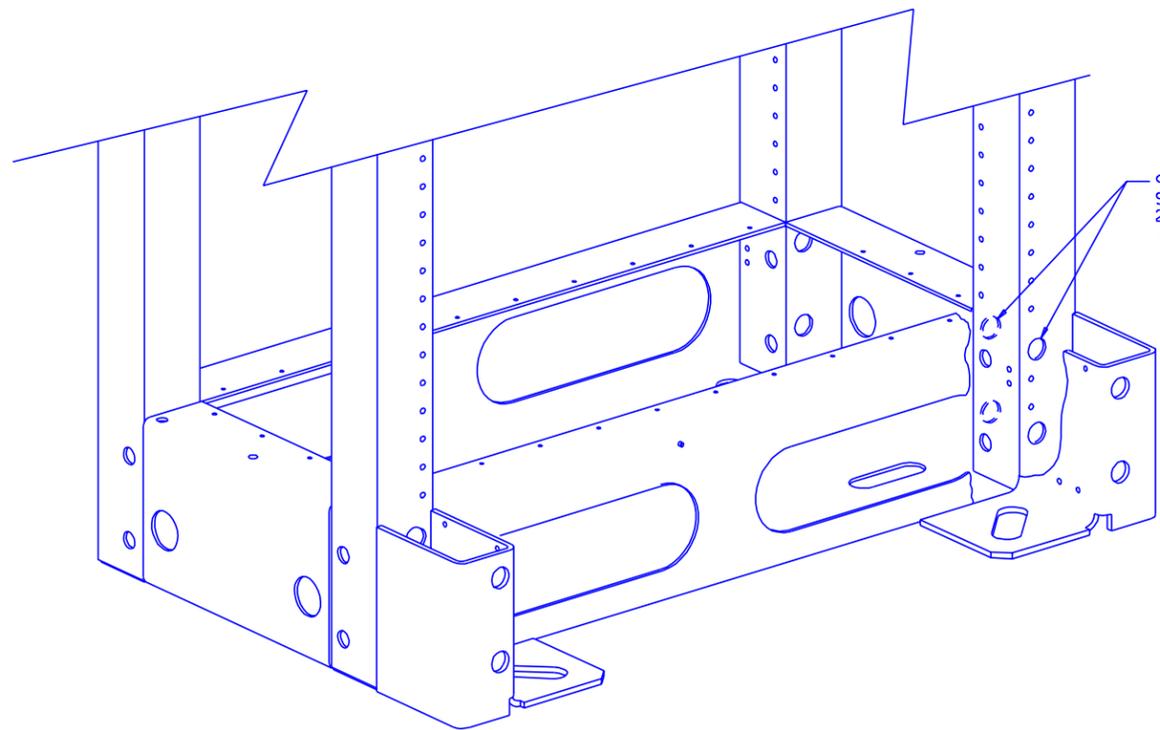
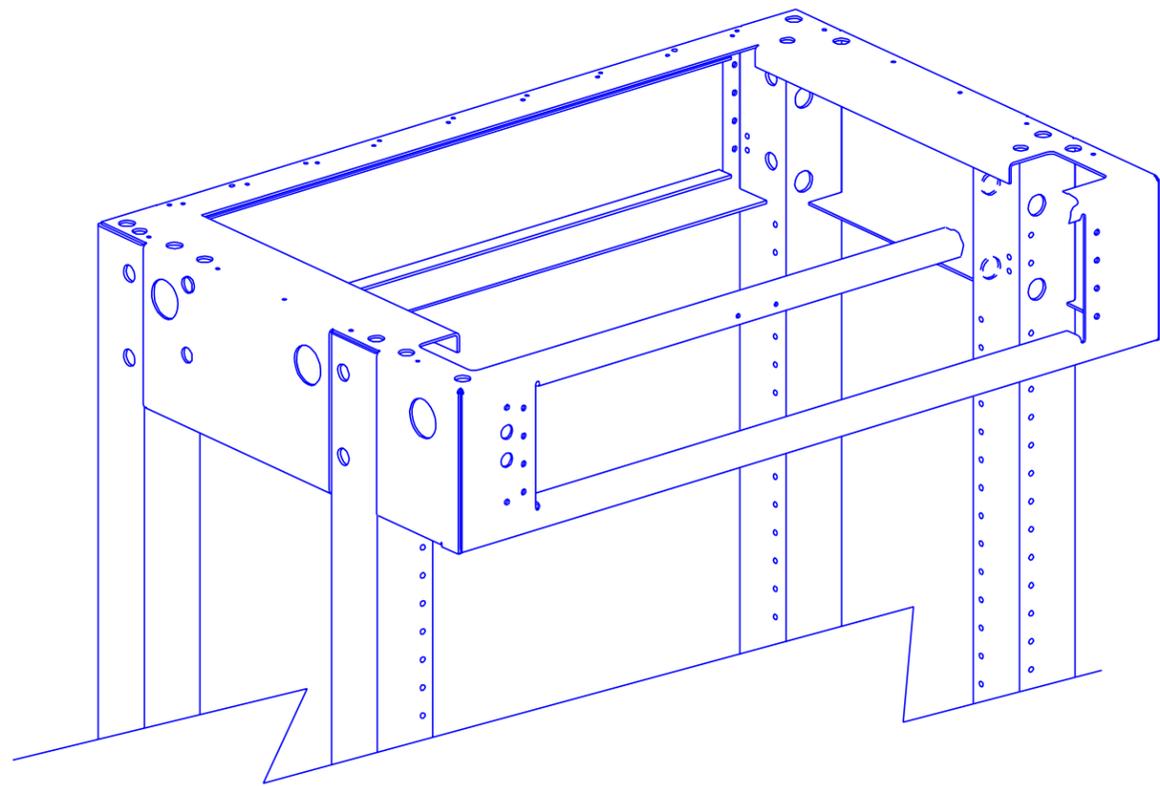
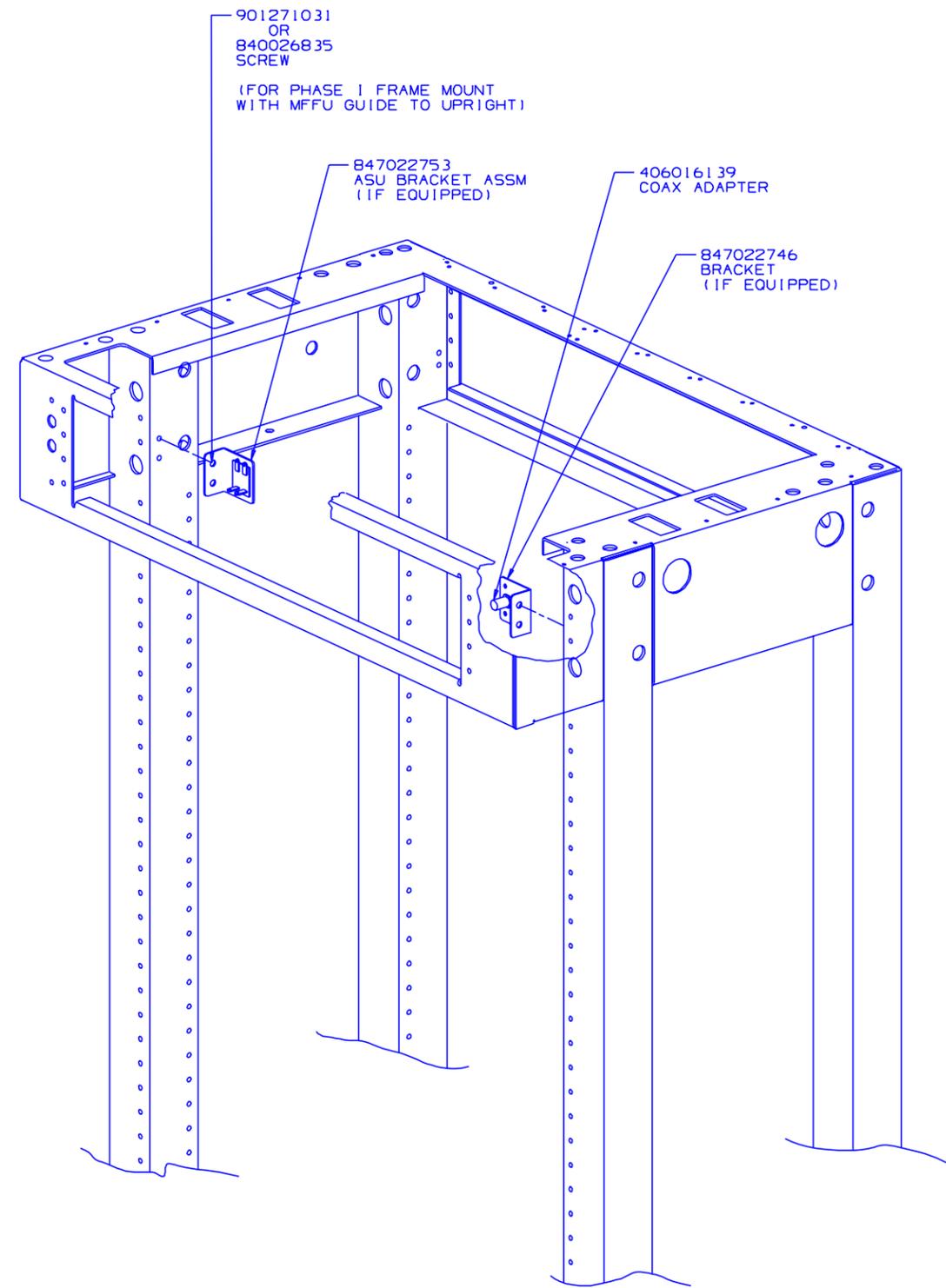


FIG. 9
REAR VIEW



9972444 39
SNAP BUSHING
2 REQD
(SEE NOTE 24)

FIG. 10
REAR VIEW



901271031
OR
840026835
SCREW
(FOR PHASE I FRAME MOUNT
WITH MFFU GUIDE TO UPRIGHT)

847022753
ASU BRACKET ASSM
(IF EQUIPPED)

406016139
COAX ADAPTER

847022746
BRACKET
(IF EQUIPPED)

FIG. 11
REAR VIEW
PHASE I FRAME SHOWN

S
H
O
P

MANUFACTURING NOTES

***** CONTINUED *****

847022746. BNC ADAPTER TO BE INSTALLED WITH RETAINING NUT TOWARD REAR (WIRING SIDE) OF BRACKET. BRACKET TO BE INSTALLED ON INSIDE FACE OF LEFT REAR UPRIGHT BEHIND MFFU.

BNC PANEL ADAPTER FOR LIST 21 TO BE SHIPPED WITH FRAME FOR INSTALLATION IN THE GLOBAL CABLE RACK.

X X 28. WHEN MOUNTING PLENUM PLATE, FLANGE MUST BE AT THE TOP AND DIRECTED INWARD.

S
H
O
P

MANUFACTURING NOTES

***** CONTINUED *****

CABINET FRAMEWORK USE THE MOUNTING GUIDE DIMENSION FROM THE FLOOR AND THE APPROPRIATE MOUNTING HOLE SET AS SHOWN IN THE FOLLOWING TABLE:

UNIT VERT EQL	LOWER MOUNTING GUIDE		UPPER MOUNTING GUIDE	
	DIM FROM FLOOR TO GUIDE FLANGE	MTG HOLE SET	DIM FROM FLOOR TO GUIDE FLANGE	MTG HOLE SET
11	6.00 IN	INNER	14.38 IN	OUTER
19	14.50 IN	OUTER	22.88 IN	INNER
28	23.00 IN	INNER	31.38 IN	OUTER
36	31.50 IN	OUTER	39.88 IN	INNER
45	40.00 IN	INNER	48.38 IN	OUTER
53	48.50 IN	OUTER	56.88 IN	INNER
62	57.00 IN	INNER	65.38 IN	OUTER

TSIU4 (J5D003NB) AND ISLU2 (J5D004AL) AND DNU-S (J5D003FR) REQUIRE 500-TYPE MOUNTING GUIDES.

X 19. THESE BOLTS ARE NOT REQUIRED WHEN CABINETS ARE JUNCTIONED IN THE FIELD.

X X 20. 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 21. WHEN MOUNTING 132-TYPE MOUNTING GUIDES TO THE FRAMEWORK, THE CENTER OF THE GUIDE SHOULD BE LOCATED AT THE SPECIFIED EQL FOR THE ASSOCIATED UNIT. FOLLOWING TABLE SHALL BE USED.

UNIT VERT EQL	DIM FROM FLOOR TO GUIDES LOWER FLANGE	MOUNTING HOLE SET	
		UPPER	LOWER
11	7.88 IN		X
19	16.38 IN	X	
28	24.88 IN		X
36	33.38 IN	X	
45	41.88 IN		X
53	50.38 IN	X	
62	58.88 IN		X

X 22. METHOD OF INSTALLING GROMMET 901252502:

1. FEED CABLE THROUGH ELLIPTICAL HOLE AT TOP OF CABINET.
2. PLACE GROMMET OVER CABLE.
3. SNAP GROMMET INTO PLACE THROUGH HOLE.

X 23. FOR CABINETS EQUIPPED WITH ISLU2'S, CABLE SUPPORT ASSEMBLIES 847169224 SHOULD BE MOUNTED AT VERTICAL EQL'S 6,11,15,19,23, 28,32,40,45,49,53,57 AND 61 AS REQUIRED WITH THE CABLE SUPPORT SUSPENDED BELOW THE MOUNTING HOLES.

- 1 COMMON SHELF E/W 1 LINE SHELF REQUIRES 7 CABLE SUPPORTS
- 1 COMMON SHELF E/W 2 LINE SHELVES REQUIRES 8 CABLE SUPPORTS
- 1 COMMON SHELF E/W 3 LINE SHELVES REQUIRES 10 CABLE SUPPORTS
- 1 COMMON SHELF E/W 4 LINE SHELVES REQUIRES 12 CABLE SUPPORTS
- 2 COMMON SHELVES E/W 4 LINE SHELVES REQUIRES 13 CABLE SUPPORTS

X 24. INSTALL 997244439 SNAP BUSHINGS ON THE FRONT AND REAR OF THE LEFT REAR VERTICAL UPRIGHT. USE THE UPPER PAIR OF HOLES AT THE BOTTOM OF THE UPRIGHT. THE FAN THERMISTOR CABLE IS ROUTED THROUGH THE BUSHINGS.

X 25. FAN UNIT MOUNTING:

FAN UNIT	UNIT VERT EQL	MOUNTING GUIDE	DIM FROM FLOOR TO GUIDE'S LOWER FLANGE
J5D003BE	11	132-TYPE	7.88 IN
J5D003BN	11	132-TYPE	7.88 IN
J5D003BW	62	132-TYPE	58.88 IN
J5D003FH	28	846614766	23.62 IN
J5D003FH	36	846614766	32.12 IN

X X 26. FOR CABINETS EQUIPPED WITH ISLU'S CABLE SUPPORT 847169232 SHOULD BE MOUNTED AT THE LOWER TWO POSITIONS ON THE DRAWER UNIT. CABLE SUPPORT 847169224 SHOULD BE MOUNTED AT THE UPPER POSITION ON THE DRAWER UNIT.

X 27. LIST 14, ASU BRACKET ASM, TO BE INSTALLED ON INSIDE FACE OF RIGHT REAR UPRIGHT BEHIND MFFU. LIST 20, ETHERNET GRND BLKHD, TO BE ASSEMBLED FROM BNC PANEL ADAPTER 406016139 AND ASU BRACKET PLATE

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

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 12. THE STAMP FOR VERTICAL EQL 69 ON THE FRONT (APPARATUS SIDE) OF THE CABINET SHALL BE MOVED TO THE LEFT OF THE ESD LABEL. STAMP EQL 69 ON THE DOOR FRAME. STAMPING ON REAR (WIRING SIDE) WILL NOT CHANGE.

X X 13. CABINET SHALL BE SHIPPED WITH THOSE CIRCUIT PACKS AND POWER UNITS USED DURING SYSTEM TESTING AT THE MANUFACTURING LOCATION.

X X 14. THIS DRAWING CONTAINS BOTH U.S. CUSTOMARY (INCH,ETC) AND SI (METRIC) DIMENSIONS.

X 15. FUSE LABELS SHALL BE AFFIXED TO THE 847212867 PANEL FASTENED TO FUSE/FILTER UNIT CHASSIS LOCATED AT THE TOP FRONT OF THE CABINET. LABELS SHALL BE PLACED SO THEY ARE READABLE WHEN THE PANEL IS PIVOTED DOWN TO EXPOSE THE FRONT OF THE FUSE/FILTER UNIT.

X X 16. WHEN JUNCTIONING SIX FOOT CABINETS TOGETHER, THE LEVEL OF EACH CABINET WITH REGARD TO THE ADJACENT 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 843082470 SPACERS SHALL BE ADDED BETWEEN THE CABINETS TO ACHIEVE THE FOLLOWING DIMENSIONS:
TWO CABINETS 59-7/8", + 1/16", -0"
THREE CABINETS 89-7/8", + 1/16", -0"
FOUR CABINETS 119-7/8", + 1/16", -0"

X 17. THE CABINET DESIGNATION LABELS ARE TO BE JOB ENGINEERED. THE LINE ENGINEER SHALL ORDER THESE LABELS PER EDS5695-16. THESE LABELS ARE MOUNTED INTO THE INDENTATION FORMED IN THE INDICATOR STRIP IN THE FIELD. FACTORY TO PLACE ONE LABEL ON THE TOP REAR OF THE FRAME. THREE LABELS ARE TO BE PLACED IN A BAG AND ATTACHED TO THE TOP FRONT OF THE FRAME.

X 18. WHEN MOUNTING 500-TYPE MOUNTING GUIDES TO THE FRAMEWORK UTILIZE THE GUIDE MOUNTING HOLES AS FOLLOWS:
FOR LOWER UNIT GUIDE AT EQUIPMENT EQL'S -
11,28,45 AND 62 USE INNER SET OF MOUNTING HOLES
19,36 AND 53 USE OUTER SET OF MOUNTING HOLES.
FOR UPPER UNIT GUIDE AT EQUIPMENT EQL'S -
11,28,45 AND 62 USE OUTER SET OF MOUNTING HOLES
19,36 AND 53 USE INNER SET OF MOUNTING HOLES.

WHEN MOUNTING THE 500-TYPE MOUNTING GUIDES (LIST 7) TO THE
----- CONTINUED TO THE LEFT -----

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BT13

5ESS(R) SWITCHING EQUIPMENT
SPECIFICATION FOR
5ESS-2000 CABINET

DWG SIZE
C2

ISSUE
19

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SHEET D1
OF 18

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1010	1	1	ED5D741-70,G1		ASSEMBLY, CABINET			
1011	1A	1	ED5D741-70,G1B		ASSEMBLY, CABINET			
1012	1B	1	847265733		ASSEMBLY,FRAME			
1013	1C	1	847717709		ASSEMBLY,FRAMEWORK			
1014	1D	1	848394524		ASSEMBLY,FRAME FAC			
1020	Z	1	ED5D741-70,G2		ASSEMBLY, CABINET		S	
1021	2	1	847213014		ASSEMBLY,CABINET DOOR, KIT (EMC)		S	
1022	2A	1	847265758		KIT,CABINET DOOR ASSY (EMC) 5ESS		S	
1025	1A,1B,1C,1D,15	4	901249177		LABEL,DESIGNATION			17
1030	3	1	847033966		ASSEMBLY,INDICATOR STRIP			
1031	3	1	847146875		ASSEMBLY,INDICATOR STRIP FAN, FUSE			
1032	3A	1	847265766		KIT,INDICATOR (FAN/FUSE, NEMC)		S	
1040	4	1	106925183	406B	MODULE,CIRCUIT CLEI = E5PQAFYA			
1045	4	2	840058580		SCREW,PAN HEAD MACHINE .138-32 X 5/16 STEEL 289A FINISH			
1050	5	1	847035755		ASSEMBLY,INDICATOR STRIP			
1051	5A	1	847306628		KIT,INDICATOR (BLANK, NEMC)		S	
1060	6	1	843078015		GUIDE			21
1070	6,8,9,10	4	840026835		SCREW,TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) STEEL ZINC PLATE 289A FINISH			
1071	K,L	2	840026835		SCREW,TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) STEEL ZINC PLATE 289A FINISH			
1072	11,13,14	2	840026835		SCREW,TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) STEEL ZINC PLATE 289A FINISH			
1075	I,J	2	901271031		SCREW,HEXAGONAL WASHER #M6X16 PHILLIPS ACR 2			
1080	7	1	846951895		BRACKET,MOUNTING			18
1081	7	1	847416682		BRACKET,MOUNTING			18
1090	7	4	900715905		SCREW,FLAT HEAD TAPPING .216-24 X 3/8 IN. STEEL 584 FINISH TYPE SW SWAGEFORM			
1091	12	8	900715905		SCREW,FLAT HEAD TAPPING .216-24 X 3/8 IN. STEEL 584 FINISH TYPE SW SWAGEFORM			
1092	O,P	4	900715905		SCREW,FLAT HEAD TAPPING .216-24 X 3/8 IN. STEEL 584 FINISH TYPE SW SWAGEFORM			
1095	M,N	4	901274498		SCREW,TRILOBE SCREW,THREAD FORMING,FLAT HEAD #M6X16 QUALITY SCREW & NUT CO.			
1100	8	1	845312180		ASSEMBLY,CABLE SUPPORT			
1110	9	1	843079625		PLENUM			
1120	9	2	843079948		BRACKET,MOUNTING			
1130	9	12	900820077		SCREW,SLOT HEXAGON WASHER HEAD .164-32 X 5/16			
1140	A	8	843084385		SCREW,HEXAGON HEAD CAP .500-13 X 5 3/4			19 20
1150	A	8	814251914	P-42E191	WASHER,PLAIN .090 STEEL 289A FINISH			19 20

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

J5D003N-1

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1160	A	4	843082470		SPACER			16 19 20
1170	A	8	900666256		NUT,TOPLock FLANGE CADMIUM FINISH #NF1213S GRIPCO FASTENER CO			19 20
1180	A	1	997244439		BUSHING,SNAP #SB-750-10 HEYMAN MFG CO.			
1181	A	1	997244934		BUSHING,SNAP #SB1375-16 HEYMAN MFG CO			
1190	B	4	843084385		SCREW,HEXAGON HEAD CAP .500-13 X 5 3/4			*
1200	B	4	814251914	P-42E191	WASHER,PLAIN .090 STEEL 289A FINISH			*
1210	B	4	843082470		SPACER			*
1220	B	4	900666256		NUT,TOPLock FLANGE CADMIUM FINISH #NF1213S GRIPCO FASTENER CO			*
1225	B	1	997244934		BUSHING,SNAP #SB1375-16 HEYMAN MFG CO			*/
1230	1,1A,15	2	405701756		TERMINAL,LUG #M8-14R/SX 3M CO.			
1235	1B,1C,1D	3	405701756		TERMINAL,LUG #M8-14R/SX 3M CO.			
1240	1,1A,15	2	840026835		SCREW,TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) STEEL ZINC PLATE 289A FINISH			
1250	1,1A,1B,1C,1D,15	2	845081991		LABEL,ESD			
1260	1,1A,15	1	405811845		TERMINAL #137 H.H. SMITH			
1270	1,1A,15	1	406748145		LUG,TERMINAL #M10-14FLX 3M CO.			
1280	1,1A,1B,1C,1D,15	1	845623677		LABEL,GROUND POINT			
1290	1,1A,1B,1C,1D,15	1	846917284		LABEL,CAUTION			
1300	10	1	843087073		SUPPORT,CABLE			
1310	11	1	845313824		SUPPORT,CABLE			23
1311	11	1	847169224		ROD,ROUND UNIVERSAL SUPPORT ROD (3.5") (88.9MM, 3.5")			23
1320	1	2	405816810		BUSHING,SNAP #SB-1.375-16 HEYMAN MFG. CO.			

STOCKLIST CONTINUED ON SHEET D3

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5ESS(R) SWITCHING EQUIPMENT
SPECIFICATION FOR
5ESS-2000 CABINET

BT13

DWG SIZE C2 ISSUE 19

LUCENT TECHNOLOGIES INC J5D003N-1

SHEET D2 OF 18

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1330	3	1	901252502		GROMMET, PLUG (STRAIN RELIEF) #222-514402-00 ITW FASSTEX			22
1340	1,1A,1B,15	4	997244439		BUSHING, SNAP #SB-750-10 HEYMAN MFG CO.			24
1350	12	2	846696185		BRACKET, MOUNTING			
1351	12	2	847416674		BRACKET, MOUNTING			
1360	12	1	846862258		ASSEMBLY, PLENUM			
1370	13	1	847169232		ROD, ROUND UNIVERSAL SUPPORT ROD (4.0") (101.6MM, 4")			
1380	14	1	847022753		ASSEMBLY, ASU BRACKET			27
1400	15	1	ED5D741-70,G1A		ASSEMBLY, CABINET			
1410	16	1	847222742		ASSEMBLY, CABINET DOOR, KIT (NON-EMC)		S	
1411	16A	1	847265741		KIT, CABINET DOOR ASSY (NON-EMC) 5ESS		S	
1420	C	1	847037827		PLATE, CLOSURE (MIDDLE)			
1425	C	18	901252262		SCREW, SPL PHL RECESSED PAN HEAD .164-32 X 3/8 STEEL 289A FINISH TYPE SW SWAGEFORM BARTSCH TOOL & SCREW CO.			
1430	D	2	847172160		GASKET, SHIELDING			
1440	17	1	847272861		KIT, INDICATOR (FAN/FUSE, EMC)		S	
1450	18	1	847306636		KIT, INDICATOR (BLANK, EMC)		S	
1460	19	1	847272879		KIT, EMC FRAME ADDITION		S	
1465	24	1	ED5D785-70,G4A		ASSEMBLY, GLOBAL SINGLE BAY FR & CAB		S	
1470	E	1	847337524		KIT, JUNCTION UNITIZED (NEMC) (UNITIZED, NON-EMC)			16 19 20
1480	F	1	847337557		KIT, JUNCTION NON-UNITIZED (NEMC) (NON-UNITIZED, NON-EMC)		*/	
1490	G	1	847337565		KIT, JUNCTION UNITIZED (EMC) (UNITIZED, EMC)			16 19 20
1500	H	1	847337573		KIT, JUNCTION NON-UNITIZED (EMC) (NON-UNITIZED, EMC)		*/	
1510	20	1	406016139		ADAPTER, BNC PANEL #228226-1 AMP INC.			27
1512	21	1	406016139		ADAPTER, BNC PANEL #228226-1 AMP INC.		*/	27
1515	20	1	847022746		BRACKET, ASU MOUNTING			27
1520	1,1A,1B,1C,1D,15	1	846923290		LABEL, CAUTION			
1525	22	1	847729423		KIT, MOUNTING UNIT GUIDE FOR FRONT ONLY			
1530	23	1	847729415		KIT, MOUNTING UNIT GUIDE FOR FRONT & REAR			
1540	Q	1	ED5D088-12,G218A G218B,G218C		LABELS, FUSE			
1545	R	1	ED5D088-12,G219A G219B,G219C		LABELS, FUSE			
1550	T	1	ED5D088-12,G220A G220B,G220C		LABELS, FUSE			

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

J5D003N-1

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1555	U	1	ED5D088-12,G221A G221B,G221C		LABELS, FUSE			
1560	V	1	ED5D088-12,G222A G222B,G222C		LABELS, FUSE			
1565	W	1	ED5D088-12,G223A G223B,G223C		LABELS, FUSE			
1570	X	1	ED5D088-12,G49A, G49B,G49C		LABELS, FUSE			
1575	Y	1	ED5D088-12,G50A, G50B,G50C		LABELS, FUSE			
1580	25	2	848551446		PLATE, PLENUM			28
1585	25	8	901271031		SCREW, HEXAGONAL WASHER #M6X16 PHILLIPS ACR 2			
5000	500	1	847265733		ASSEMBLY, FRAME			
5005	500A	1	847717709		ASSEMBLY, FRAMEWORK			
5010	501	1	847272879		KIT, EMC FRAME ADDITION			S
5015	516	1	ED5D785-70,G4A		ASSEMBLY, GLOBAL SINGLE BAY FR & CAB			S
5020	502	1	847265741		KIT, CABINET DOOR ASSY (NON-EMC) 5ESS			S
5030	503	1	847265758		KIT, CABINET DOOR ASSY (EMC) 5ESS			S
5040	504	1	847513470		KIT, SAFETY			
5050	505	1	847325891		KIT, 4IN CABLE SUPPORT			
5060	506	1	847513512		KIT, CABLE ROD 3.00"			
5070	507	1	847306628		KIT, INDICATOR (BLANK, NEMC)			S
5080	508	1	847306636		KIT, INDICATOR (BLANK, EMC)			S
5090	509	1	847265766		KIT, INDICATOR (FAN/FUSE, NEMC)			S
5100	510	1	847272861		KIT, INDICATOR (FAN/FUSE, EMC)			S
5110	511	1	847623212		KIT, HARDWARE ASU2 LUG KIT			
5120	512	1	847623246		KIT, HARDWARE ETHERNET GROUND KIT			
5125	515	1	406016139		ADAPTER, BNC PANEL #228226-1 AMP INC.			
5130	513	1	847513488		KIT, PLENUM			
5140	514	1	847625464		KIT, HARDWARE			
5150	G1	1	847286762		KIT, MOUNTING			
5160	G2	1	847286721		KIT, MOUNTING			
5170	G3	1	847289246		KIT, MOUNTING			
5180	G4	1	847286747		KIT, MOUNTING UNIT GUIDE FOR 500-U TYPE APP MTG			

STOCKLIST CONTINUED ON SHEET D4

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BT13

5ESS(R) SWITCHING EQUIPMENT
SPECIFICATION FOR
5ESS-2000 CABINET

DWG SIZE C2 ISSUE 19

LUCENT TECHNOLOGIES INC J5D003N-1

SHEET D3 OF 18

PRINTED IN U.S.A.

STOCKLIST

ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
5190	G5	1	847286754		KIT,MOUNTING			
5200	G6	1	847286739		KIT,MOUNTING			
5203	G7	1	847729423		KIT,MOUNTING UNIT GUIDE FOR FRONT ONLY			
5206	G8	1	847729415		KIT,MOUNTING UNIT GUIDE FOR FRONT & REAR			
5210	S1	1	847337557		KIT,JUNCTION NON-UNITIZED (NEMC)		*/	
5220	S2	1	847337573		KIT,JUNCTION NON-UNITIZED (EMC)		*/	
5230	U1	1	847337524		KIT,JUNCTION UNITIZED (NEMC)			
5240	U2	1	847337565		KIT,JUNCTION UNITIZED (EMC)			
5250	E1	1	ED5D088-12,G218A G218B,G218C		LABELS, FUSE			
5255	E2	1	ED5D088-12,G219A G219B,G219C		LABELS, FUSE			
5260	E3	1	ED5D088-12,G220A G220B,G220C		LABELS, FUSE			
5265	E4	1	ED5D088-12,G221A G221B,G221C		LABELS, FUSE			
5270	E5	1	ED5D088-12,G222A G222B,G222C		LABELS, FUSE			
5275	E6	1	ED5D088-12,G223A G223B,G223C		LABELS, FUSE			
5280	E7	1	ED5D088-12,G49A, G49B,G49C		LABELS, FUSE			
5285	E8	1	ED5D088-12,G50A, G50B,G50C		LABELS, FUSE			

***** END OF STOCKLIST *****

J5D003N-1

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5ESS(R) SWITCHING EQUIPMENT
SPECIFICATION FOR
5ESS-2000 CABINET

DWG SIZE C2 ISSUE 19

LUCENT TECHNOLOGIES INC J5D003N-1

SHEET D4 OF 18

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