

ISSUE NOTES (CONTINUED)				
CASE H8630 IMPLEMENTED POINT ISSUES 8.1 & 9.1. IN TABLE A , LIST 16A,17A,18B,19A,21,21A,22,22A, & A DESCRIPTION, REFERENCE TO NOTE 500 REMOVED. IN SL, ITEMS 1151,1161,1172,1181,1191,1192,1500,1510,1520,1530, 1561,1570,1580,1600,1610,1621,1640,1660,1670,1740,1750,1760,1662 & 1770 ADDED "X" ITEM REFERENCE. IN SL, ITEM 1700 ADDED "X/" ITEM REFERENCE. IN SL, ITEM 1550, LIST 21 & 22 REMOVED. IN SL, ITEM 1552, LIST 21 & 22 ADDED . IN SL, ITEM 1552, ADDED "X" ITEM REFERENCE. IN SL, ITEM 1630, LIST 21 REMOVED AND ADDED TO SL ITEM 1631. IN SL, ITEM 1631, ADDED "X" ITEM REFERENCE. MODIFIED SHEET ISSUE ON SHEETS B1,B3,B6,B9,B11 & B15 TO 10. IN SL, ITEM 1621, ADDED REFERENCE NOTE 26. IN SL, ITEM 1722 & 1727, ADDED TO PROVIDE SEPARATE STOCKLINES FOR GROUPS 250, 252, 251, & 253. ENGINEERING NOTE 61 READ POWER SHELF #0 014A,141C. ENGINEERING NOTE 61 READ POWER SHELF #1 118A,032C. MODIFIED GRAPHIC SHEET B14.  ORIG ISS: 04/01/96 NDD NBR: NDD5D811NW-9 CHANGE CLASS: ME  DRAFT: AC ENGR: AC SUPV: FNG CERTIFIED: 04/23/99 ISSUE: 10				

ISSUE NOTES (CONTINUED)				
REPLACED SH B5,B7,B12 & B14. ADDED MFG. NOTES 28 & 29. CHANGE TABLE A DESCRIPTION FOR GROUP 2. LINE OUT SL ITEM 1560,1590 AND 1690. ADDED SL ITEM 1561, 1671, AND 1672. MODIFIED ENGINEERING NOTE 62 AND ADDED ENGINEERING NOTE 75. MODIFIED GRAPHIC SHEETS B2,B4,B10 AND B13. ADDED GRAPHIC SHEET B16. CHANGE TABLE A DESCRIPTIONS FOR GROUPS 16A,21,21A,22 & 22A. CHANGE GROUPS 18A AND 23 TO DA. ADDED MANUFACTURING NOTES 30,31,32,33,34,35,36,37 & 38. ADDED SL ITEMS 1551, 1621 & 1622. ADDED NOTE 71 TO SL ITEM 1005. CHANGED EN NOTE 73. CHANGED TABLE A DESCRIPTION FOR GROUP 23A. LINED OUT SL ITEM 1133 & 1730. ADDED SL ITEMS 1021 & 1061.  ORIG ISS: 04/01/96 NDD NBR: NDD5D811NW-7 CHANGE CLASS: ME  DRAFT: AC ENGR: AC SUPV: FNG CERTIFIED: 06/18/98 ISSUE: 7				

ISSUE NOTES				
ORIG ISS: 04/01/96 NDD NBR: NDD5D811NW-3 CHANGE CLASS: DRAFT: PEM ENGR: PEM SUPV: FNG CERTIFIED: 04/01/96 ISSUE: 1				
ADDED GROUP F4, CHANGED NOTES 58 AND 59, ADDED SHEET INDEX AND B SHEETS. ADDED NOTE 22 AND STOCKLIST ITEM 1230. CHANGE TABLE A DESCRIPTION FOR GROUP 16. ADDED ENGINEERING NOTES 69 AND 70.  ORIG ISS: 04/01/96 NDD NBR: NDD5D811NW-4 CHANGE CLASS: ME  DRAFT: PEM ENGR: PEM SUPV: FNG CERTIFIED: 05/08/96 ISSUE: 2				
STOCKLIST ITEMS 1110 & 1130 LINED OUT ITEMS 1111 & 1131 ADDED.  ORIG ISS: 04/01/96 CHANGE CLASS: ME  DRAFT: TMR ENGR: TMR SUPV: FNG CERTIFIED: 08/16/96 ISSUE: 3				

(H8292)=: POINT ISSUES 6.1, 6.2, & 6.3 WERE IMPLEMENTED. THE FOLLOWING CHANGES, RECOMMENDED BY DFX REVIEW, WERE IMPLEMENTED : MANUFACTURING NOTE 36 ADDED AND THEN LINED OUT. ADDED NOTE 25 & DIMENSION IN DESCRIPTION FIELD TO SL ITEM 1561. ADDED NOTE 38 TO SL ITEMS 1671 & 1672. ADDED SL ITEM 1623. ADDED DIMENSION IN DESCRIPTION FIELD TO SL ITEMS 1622 & 1623. ADDED NOTES 28, 29, 37, & 38 TO SL ITEM 1501. ADDED NOTE 28 TO SL ITEM 1511.  ORIG ISS: 04/01/96 CHANGE CLASS: ME  DRAFT: AC ENGR: AC SUPV: FNG CERTIFIED: 11/20/98 ISSUE: 8				
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LUCENT LABEL CHANGE. GROUP F4 CHANGED TO DA. ADDED GROUP F4A WITH ASSOCIATED SL ITEM 1240. INCORPORATED ISSUE 3.1 CHANGES BY LINGING OUT SL ITEM 1050 AND ADDING SL ITEMS 1051 AND 1052. CHANGE SL ITEM 1200 AND 1220 FROM S TO */. LINE OUT SL ITEM 1210 AND ADD SL ITEM 1211. LINE OUT SL ITEM 1111 AND ADD SL ITEM 1112. UPDATE EQUIPMENT DATA FOR TABLE A GROUPS 12, 14, AND F2. LINE OUT SL ITEM 1100. ADD SL ITEMS 1400, 1410, 1420, 1430, 1440 AND 1450. G10 WAS G15 IN NOTE 16.  ORIG ISS: 04/01/96 NDD NBR: NDD5D811NW-5 CHANGE CLASS: ME  DRAFT: PEM ENGR: PEM SUPV: FNG CERTIFIED: 10/30/96 ISSUE: 4				
CHANGE NOTE 17 TO MOVE FUSE LABELS FROM THE C POSITIONS TO B POSITIONS. ADD STOCKLIST ITEM 1005 AND NOTES 23, 24, AND 71.  ORIG ISS: 04/01/96 CHANGE CLASS: AU  DRAFT: PEM ENGR: PEM SUPV: FNG CERTIFIED: 01/06/97 ISSUE: 5				

(H8484)=: ADDED ENGINEERING NOTES 499 & 500. IN TABLE A, REF TO NOTE 500 ADDED TO GROUPS 16A,17A,18B,19A,20A, 20B,21,21A,22,22A,23A & A. IN SL, ITEMS 1020,1030,1040,1060,1070,1080,1090,1140,1150,1151, 1160,1161,1170,1171,1172,1180,1181,1190,1191,1192,1700,1740, 1750,1760 & 1770, REMOVED "S" ITEM REFERENCE. IN TABLE A, GROUPS 3,4,5,7,8,9 & 10 RATED "DA".  ORIG ISS: 04/01/96 CHANGE CLASS: ME  DRAFT: AC ENGR: AC SUPV: FNG CERTIFIED: 11/20/98 ISSUE: 9				
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CHANGE GROUPS 11, 13, 14, 15, 16, 17, 18, 19, 20, F1, F2, F3, AND F4A TO DA. ADD GROUPS 14A, 16A, 17A, 18A, 18B, 19A, 20A, 20B, 21, 21A 22, 22A, 23, 23A, AND A. MODIFY ENGINEERING NOTES 51, 55, 56, 57, 60, 61, 62, 65, 66, 67, 68, 70, 71, AND 72. MODIFY MANUFACTURING AND INSTALLATION NOTES 12, 13, 14, 16, 18, 19, AND 20. TURN ON CANNED NOTES. ADD MANUFACTURING AND INSTALLATION NOTES 25, 26 AND 27. ADD ENGINEERING NOTES 73 AND 74. MODIFY GRAPHICS SHEETS B1 THROUGH B9. ADD SHEETS B10 THROUGH B15. MODIFY NOTE AND J REFERENCE IN TABLE A FOR GROUP 12. CHANGE SL ITEM 1112, AND 1450. ADD SL ITEMS 1132, 1133, 1134, 1135, 1151, 1161, 1171, 1172, 1181, 1191, 1192, 1500 THROUGH 1700, AND 1720 THROUGH 1770. DELETE MISCELLANEOUS TABLES D4, D5, D10, AND D11.  ORIG ISS: 04/01/96 NDD NBR: NDD5D811NW-6 CHANGE CLASS: B  DRAFT: PEM ENGR: PEM SUPV: FNG CERTIFIED: 07/22/97 ISSUE: 6				
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SHEET INDEX											
SHT NBR	A1 THRU A4 ISSUE 10										
SHT NBR	D1 THRU D4 ISSUE 10										
SHT NBR	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11
ISSUE	10	8	10	8	8	10	8	6	10	8	10
SHT NBR	B12	B13	B14	B15	B16						
ISSUE	8	8	10	10	8						
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LUCENT TECHNOLOGIES - PROPRIETARY USE PURSUANT TO COMPANY INSTRUCTIONS			
5ESS SWITCHING EQUIPMENT SPECIFICATION FOR INTERWORKING FUNCTION (IWF)		BT13	
		DWG SIZE C2	ISSUE 10
LUCENT TECHNOLOGIES INC		ED5D811-31	
		SHEET A1 OF 24	

ENGINEERING NOTES

\*\*\*\*\* CONTINUED \*\*\*\*\*

X DIMENSION IN LENGTH.

-----  
OTHER HARDWARE

8-PORT, 10 BASE-T MICROREPEATER ETHERNET HUB  
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499. EACH CABINET MUST BE EQUIPPED WITH TWO DOORS, 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 WITH A <0,1,2,3> LED CONFIGURATION. 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. REPLACEMENT FAN FILTERS CAN BE ORDERED FROM ED5D868-30, 5ESS SWITCH COMMON USE HARDWARE AND MATERIAL.

500. THIS GROUP MAY BE SPECIFIED AS A MAIN OR SUPPLEMENTAL ITEM.

ENGINEERING NOTES

\*\*\*\*\* CONTINUED \*\*\*\*\*

ASSIGNMENT ON THE OFFICE ALARM UNIT. TWO SCAN POINTS ARE REQUIRED, ONE FOR THE IWF FAN AND THE OTHER FOR IWF POWER ALARMS.

64. THIS CABINET REQUIRES FOUR POWER FEEDS (2 A BUS AND 2 B BUS). EACH FEED SHALL BE FUSED AT THE PDF WITH A 20 AMP FUSE.
65. \$THE QUANTITY OF GROUPS F1 AND F3 REQUIRED TO PROVIDE IWF SERVICE ARE AS FOLLOWS:
- | QTY OF GROUP F1 | QTY OF GROUP F3 | NO. OF CHANNELS |
|-----------------|-----------------|-----------------|
| 1               | 0               | 1 - 14          |
| 1               | 1               | 15 - 28         |
| 2               | 1               | 29 - 42         |
| 2               | 2               | 43 - 56\$       |
66. \$GROUP 12 (J5D003FH-2, LIST 500) MAY ALSO BE ORDERED AS J5D003FH-2, LIST 1 EQUIPPED WITH LISTS 2, A, G, K, AND L.\$
67. \$GROUP 14 (J5D003FJ-1, LIST 539) MAY ALSO BE ORDERED AS J5D003FJ-1, LIST 127 EQUIPPED WITH LIST N, CH, AND CK. LIST CH IS PROVIDED AS PART OF GROUP F4.\$
68. \$GROUP F2 (J5D003FH-2, LIST F3) MAY ALSO BE ORDERED AS J5D003FH-2, LISTS A, K, AND N.\$
69. THE MINIMUM INTERNATIONAL SOFTWARE RELEASE REQUIRED FOR THE IWF FEATURE(S) IS 5EE8(1).
70. EACH IWF SHELF REQUIRES ONE DEDICATED E1 FACILITY (PROVIDING 30 TRUNCK CHANNELS) FOR THE IWF-MOBILE SWITCHING CENTER (MSC) INTERFACE (FIGURE 3). TRUNKS ON EACH E1 FACILITY MUST BE PROVISIONED AS A PAIR, WITH ONE "MAJOR" AND ONE "MINOR" TRUNK CHANNEL (FIGURE 10). EACH E1 FACILITY CONNECTING TO AN IWF SHELF CAN SUPPORT UP TO 14 CHANNELS.
71. WHEN ORDERING CABINET ADDRESS LABELS SPECIFIC STAMPING INFORMATION MUST BE SPECIFIED PER ED5D695-16 TABLE AA PER JOB SPECIFICATIONS. IWF CABINET ADDRESSES RANGE FROM IWF00 TO IWF35.
72. THIS SOFTWARE MAINTANENCE CONTRACT PROVIDES FOR SOFTWARE UPGRADES ONLY, ON A SINGLE IWF SHELF, FOR A PERIOD OF 1 YEAR. WHEN GROUPS 21, 21A, 22, OR 22A ARE PURCHASED, THE SOFTWARE LISCENSE PROVIDES FOR 1 YEAR OF SUPPORT. THIS CONTRACT MAY BE PURCHASED TO EXTEND THE SOFTWARE SUPPORT FOR 1 ADDITIONAL YEAR.
73. THESE GROUPS ARE PROVIDED FOR SPARING PURPOSES ONLY. SUGGESTED SPARES QUANTITIES TO BE ORDERED ARE AS FOLLOWS:
- |      |  |
|------|--|
| G16A | 1 PER IWF CABINET  |
| G17A | 1 PER IWF CABINET  |
| G18A | 2 PER GROUP 21, OR 22 AND 1 PER GROUP 23.                  |
| G18B | 2 PER GROUP 21, 21A, 22, OR 22A AND 1 PER GROUP 23, OR 23A |
| G19A | 2 PER GROUP 21, 21A, 22, OR 22A AND 1 PER GROUP 23, OR 23A |
| G20A | 1 PER GROUP 21 OR 22                                       |
| G20B | 1 PER GROUP 21A, OR 22A.                                   |
74. TO RECEIVE A 1 YEAR, 15 USER, EXTENDED SOFTWARE WARRANTY PROVIDING TECHNICAL TELEPHONE SUPPORT, CAROD TO TROUBLE TICKET MAPPING, AND STATUS REPORTING, A CUSTOMER MAY PURCHASE COMCODE 407754910. NEW EQUIPMENT IS PROVIDED WITH A ONE YEAR SOFTWARE AND TWO YEAR HARDWARE WARRANTY AT THE TIME OF PURCHASE.
75. EACH 5ESS GSM MSC OFFICE WITH AN IWF CABINET MUST BE EQUIPPED WITH AN OAM&P SYSTEM DEDICATED TO THE IWF CABINET. THE FOLLOWING MINIMUM BASIC CONFIGURATION IS RECOMMENDED FOR THE YEAR 2K COMPLIANT IWF OAM & P SYSTEM:
- PC HARDWARE
- - PENTIUM 166 MHZ
  - 32 MB RAM
  - 17 IN. MONITOR
  - 3COM(BRANDNAME) 3C509B-COMBO ETHERNET CARD
  - 3.5 FLOPPY DRIVE
  - 8X CDROM
  - KEYBOARD
  - 2 BUTON MOUSE
  - 2.1 GB HARD DRIVE
  -
- SOFTWARE
- - WINDOWS 95 OS
  - NETMANAGE UNIXLINK 97
  -
- CABLES
- - RS-232 9-PIN 1 TO 25-PIN 8, RECEPACLE CONNECTOR. CABLE IS STANDARD 9-PIN TO 25-PIN MODEM TYPE CABLE WITH SHELL TO SHELL GROUND. X-DIMENSION IN LENGTH.
  - 
  - RJ45, CATEGORY 3 (10-BASE T) TWISTED PAIR CABLE
  - CONTINUED TO THE LEFT -----

ENGINEERING NOTES

51. ONE V.34 DHM MODEM CARD IS REQUIRED FOR EACH IWF COMPUTER CARD. CABLES CONNECTING THE COMPUTER CARD AND THE MODEM CARD ARE PROVIDED BY THE VENDOR AS PART OF THE COMPUTER CARD. A MAXIMUM OF SEVEN (7) MODEM AND SEVEN (7) COMPUTER CARDS FILL AN IWF SHELF. THERE ARE 2 CHANNELS PER MODEM FOR UP TO 14 CHANNELS PER IWF SHELF.
52. ONE SYSTEM MANAGEMENT CONTROLLER CARD IS REQUIRED FOR EACH IWF SHELF.
53. ONE E1 LIU CARD IS REQUIRED FOR EACH IWF SHELF.
54. THIS EQUIPMENT IS INTENDED TO BE MOUNTED IN A 5ESS 2000 CABINET OR ITS EQUIVALENT. THE CABINET SHALL BE EQUIPPED WITH DOORS AND INDICATOR STRIPS ON BOTH THE FRONT AND REAR. THE DOORS MAY BE OF THE EMC OR NON-EMC TYPE. THIS CABINET SHALL BE DEDICATED TO IWF EQUIPMENT ONLY.
55. \$KIT 847705431 PROVIDES 19" MOUNTING FOR UP TO FOUR IWF SHELVES AND THEIR ASSOCIATED EXTERNAL POWER SUPPLIES IN A 5ESS 2000 CABINET. THIS KIT IS MADE UP OF 4 "L" BRACKETS AND THE MOUNTING SCREWS TO MOUNT THEM TO THE CABINET. THIS KIT IS INSTALLED INTO THE IWF CABINET IN THE FACTORY.\$
56. POWER CABLING FOR THE IWF EQUIPMENT CAN BE FOUND ON DRAWING ED5D811-15. GROUND CABLES FOR THE IWF EQUIPMENT CAN BE FOUND ON ED5D507-17. THESE CABLES ARE PROVIDED IN GROUPS 12, 21, 22, 21A, AND 22A IN THIS DRAWING. THEY SHALL BE INSTALLED IN THE FACTORY PRIOR TO SHIPMENT.
57. E1 INTERFACE CABLING REQUIRED TO PROVIDE FOR RJ45, BNC, OR DB15 INTERFACE TO THE DSX, ARE DIMENSION "X" CABLES AND REQUIRE OFFICE ENGINEERED LENGTH. SEE THE FOLLOWING:
- ED5D811-11, G1 CABLE, BNC INTERFACE (2 PER)
  - FOR UNBALANCED IMPEDANCE 75 OHM.
  - ED5D811-11, G2 CABLE, RJ45 INTERFACE (1 PER)
  - FOR BALANCED IMPEDANCE 120 OHM.
  - ED5D811-11, G3 CABLE, DB15 INTERFACE (1 PER)
  - FOR BALANCED IMPEDANCE 120 OHM.
- TO ENSURE COMPLIANCE TO FCC AND IC REGULATIONS, AND CISPR 22 REQUIREMENTS FOR RADIO FREQUENCY INTERFERENCE EMISSIONS FOR CLASS A COMPUTING DEVICES, THE FOLLOWING STEPS SHOULD BE TAKEN: FOR RJ45 NETWORK CONNECTION, THE NETWORK CABLE SHOULD BE LOOPED THROUGH THE PROVIDED FERRITE CORE, CREATING A TWO-TURN TOROID AT THE CABLE END CONNECTION TO THE RJ45 JACK. SEE FIG. 9. FOR THE DB15 CONNECTION, A PROPERLY TERMINATED SHIELDED CABLE SHALL BE USED. GROUPS 1, 2, AND 3 ARE MUTUALLY EXCLUSIVE. GROUPS 1, 2, OR 3 MUST BE PROVIDED ON A PER SHELF BASIS.
58. CABLE SUPPORTS ARE PROVIDED ONE PER SHELF IN GROUP 6.
59. THE COLLECTION OF GROUPS 3, 4, AND 5 ARE MUTUALLY EXCLUSIVE OF THE COLLECTION OF GROUPS 7, 8, AND 9. GROUPS 3, 4, AND 5 ARE EQUIPPED ON IWF CABINETS IN A NON-EMC APPLICATION. GROUPS 7, 8, 9, AND 10 ARE EQUIPPED ON IWF CABINETS IN AN EMC APPLICATION.
60. \$GSM/IWF SOFTWARE RIGHT TO USE LISCENSE (GROUP 15) IS REQUIRED FOR EACH PAIR OF IWF SHELVES AND IS ORDERED WHEN AN IWF BASIC SHELF ASSEMBLY KIT (GROUP F1) IS ORDERED. IT IS RECOMMENDED THAT A SOFTWARE MAINTENANCE CONTRACT FOR THE GSM/IWF SOFTWARE BE PURCHASED FROM MOTOROLA AS PART NUMBER 6ENGL003.\$
61. -48 VOLT POWER IS SUPPLIED TO THE EXTERNAL POWER SUPPLY WHERE IT IS CONVERTED TO +5, +12, AND -12 VOLTS AND DISTRIBUTED BY CABLES TO THE INDIVIDUAL IWF SHELVES. ONE EXTERNAL POWER SUPPLY PROVIDES POWER TO TWO IWF SHELVES. IWF CABINETS EQUIPPED WITH GROUPS F1, 21, OR 22 REQUIRE ONE FUSE PER EXTERNAL POWER SUPPLY. THE FUSES SHALL BE LOCATED AS FOLLOWS:
- |                |      |                |      |
|----------------|------|----------------|------|
| POWER SHELF #0 | 014A | POWER SHELF #1 | 118A |
|----------------|------|----------------|------|
- IWF CABINETS EQUIPPED WITH GROUPS 21A, OR 22A REQUIRE TWO FUSES PER EXTERNAL POWER SUPPLY. THE FUSES SHALL BE LOCATED AS FOLLOWS:
- |                |            |                |            |
|----------------|------------|----------------|------------|
| POWER SHELF #0 | 014A, 118A | POWER SHELF #1 | 141C, 032C |
|----------------|------------|----------------|------------|
62. GROUPS 16A THROUGH 20B ARE PROVIDED FOR SPARING PURPOSES ONLY. ADDITIONAL DHM-E AND IWF CIRCUIT PACKS FOR GROWTH SHALL BE ORDERED WITH GROUP 23A.
63. FAN SCAN AND ALARM CABLES TO THE 5ESS MAIN DISTRIBUTING FRAME ARE PROVIDED BY ED5D811-11, GROUPS 4 AND 5. THESE CABLES MUST BE ENGINEERED FOR LENGTH TO TERMINATE TO THE MDF AND FOR SCAN POINT
- CONTINUED TO THE LEFT -----

SEE PROPRIETARY NOTICE ON SHEET ONE

BT13

5ESS SWITCHING EQUIPMENT  
SPECIFICATION FOR  
INTERWORKING FUNCTION (IWF)

DWG SIZE	ISSUE
C2	10

TABLE A-FEATURES												
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	
EQUIPMENT ALWAYS REQUIRED TO PROVIDE 5ESS 2000 CABINET.			1	1	ED5D785-70	1A						
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE SAFETY KIT.			2									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE NON-EMC DOOR ASSEMBLY KIT. DA EFF:09/04/98 FE/RA:NONE	59	DA	3	1	ED5D785-70	2A						
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE NON-EMC FAN/FUSE INDICATOR KIT. DA EFF:09/04/98 FE/RA:NONE	59	DA	4	1	ED5D785-70	3A						
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE NON-EMC BLANK INDICATOR KIT. DA EFF:09/04/98 FE/RA:NONE	59	DA	5	1	ED5D785-70	3C						
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE 1.0" CABLE SUPPORT KIT.			6									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE EMC DOOR ASSEMBLY KIT. DA EFF:09/04/98 FE/RA:NONE	59	DA	7	1	ED5D785-70	2B						
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE EMC FAN/FUSE INDICATOR KIT. DA EFF:09/04/98 FE/RA:NONE	59	DA	8	1	ED5D785-70	3B						
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE EMC BLANK INDICATOR KIT. DA EFF:09/04/98 FE/RA:NONE	59	DA	9	1	ED5D785-70	3D						
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE EMC FRAME ADDITION KIT. DA EFF:09/04/98 FE/RA:NONE	59	DA	10	1	ED5D785-70	4						
WIRING AND ASSEMBLY ALWAYS REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE IWF CABLE KIT. DA EFF:07/25/97 FE:ED5D811-31,G21	56 57	DA	11									
EQUIPMENT, WIRING, AND ASSEMBLY ALWAYS REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE A 6 FAN BI-DIRECTIONAL FAN UNIT.	56		12	1	J5D003FH-2	1,2, A,G, K,N 10						
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE AN IWF UNIT MOUNTING KIT. DA EFF:07/25/97 FE:ED5D811-31,G21	55	DA	13									
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE A MODULAR FUSE/FILTER UNIT. DA EFF:07/25/97 FE:ED5D811-31,G14A	67	DA	14	1	J5D003FJ-1	127, N,CH CK						
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE A MODULAR FUSE/FILTER UNIT. REPL:ED5D811-31,G14	67		14A	1	J5D003FJ-1	108, BE, CH, CK, DB 11						
SOFTWARE ALWAYS REQUIRED IN ADDITION TO GROUP F1 TO PROVIDE INTERWORKING FUNCTION. (1 REQUIRED FOR EVERY GROUP F1) DA EFF:07/25/97 FE:ED5D811-31,G21	60	DA	15									

TABLE-A CONTINUED

ED5D811-31

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	
APPARATUS ALWAYS REQUIRED IN ADDITION TO GROUP F1 OR F3 TO PROVIDE SYSTEM MANAGEMENT CONTROLLER CIRCUIT PACK. (1 REQUIRED PER GROUP F1 OR F3) DA EFF:07/25/97 FE:ED5D811-31,G16A	52	DA	16									
APPARATUS REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE SPARE SYSTEM MANAGEMENT CONTROLLER (SMC) CIRCUIT PACK. REPL:ED5D811-31,G16			16A									
APPARATUS ALWAYS REQUIRED IN ADDITION TO GROUP F1 OR F3 TO PROVIDE AN E1 LIU CIRCUIT PACK. (1 REQUIRED PER GROUP F1 OR F3) DA EFF:07/25/97 FE:ED5D811-31,G17A	53	DA	17									
APPARATUS REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE A SPARE E1 LIU CIRCUIT PACK. REPL:ED5D811-31,G17			17A									
APPARATUS REQUIRED IN ADDITION TO GROUP F1 OR F3 TO PROVIDE V.34DHM MODEM CIRCUIT PACK. (MAX 8 PER GROUP F1 OR F3) DA EFF:07/25/97 FE:ED5D811-31,G18A	51	DA	18									
APPARATUS REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE A SPARE V.34 DHM MODEM CIRCUIT PACK. REPL:ED5D811-31,G18		DA	18A									
APPARATUS REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE A SPARE V.34 DHM-E MODEM CIRCUIT PACK. REPL:ED5D811-31,G18A			18B									
APPARATUS REQUIRED IN ADDITION TO GROUP F1 OR F3 TO PROVIDE DUAL PORT IWF COMPUTER CIRCUIT PACK. (MAX 8 PER GROUP F1 OR F3) DA EFF:07/25/97 FE:ED5D811-31,G19A	51	DA	19									
APPARATUS REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE A SPARE DUAL PORT IWF COMPUTER CIRCUIT PACK. REPL:ED5D811-31,G19			19A									
APPARATUS REQUIRED IN ADDITION TO GROUP F3 TO PROVIDE SPARE POWER SUPPLY PLUG-IN. DA EFF:07/25/97 FE:ED5D811-31,G20A	62	DA	20									
APPARATUS REQUIRED IN ADDITION TO GROUPS F1, 21, OR 22 TO PROVIDE A SPARE POWER SUPPLY PLUG-IN. REPL:ED5D811-31,G20	500		20A									

TABLE-A CONTINUED

SEE PROPRIETARY NOTICE ON SHEET ONE

BT13

5ESS SWITCHING EQUIPMENT  
SPECIFICATION FOR  
INTERWORKING FUNCTION (IWF)

DWG SIZE C2 ISSUE 10

LUCENT TECHNOLOGIES INC ED5D811-31

SHEET A3 OF 24

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	
APPARATUS REQUIRED IN ADDITION TO GROUPS 21A, OR 22A TO PROVIDE A SPARE POWER SUPPLY PLUG-IN REPL:ED5D811-31,G20A		500	20B									
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE BASIC INTERWORKING FUNCTION AND POWER. (INCLUDES CIRCUIT PACKS FOR 16 DATA PORTS.) REPL:ED5D811-31,GF1,GF3		61 56	21									
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE BASIC INTERWORKING FUNCTION AND POWER. (INCLUDES CIRCUIT PACKS FOR 16 DATA PORTS.) REPL:ED5D811-31,G21		61 56	21A									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 21 TO PROVIDE GROWTH INTERWORKING FUNCTION EQUIPMENT. (INCLUDES CIRCUIT PACKS FOR 16 DATA PORTS.) REPL:ED5D811-31,GF1,GF3		61 56	22									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 21A TO PROVIDE GROWTH INTERWORKING FUNCTION EQUIPMENT. (INCLUDES CIRCUIT PACKS FOR 16 DATA PORTS.) REPL:ED5D811-31,G22		61 56	22A									
APPARATUS REQUIRED IN ADDITION TO GROUPS 21 OR 22 TO PROVIDE GROWTH CIRCUITS. DA EFF:06/18/98 FE:ED5D811-31,G23A			DA 23									
APPARATUS REQUIRED IN ADDITION TO GROUPS 21, 21A, 22 OR 22A PROVIDE GROWTH CIRCUITS. (INCLUDES CIRCUIT PACKS FOR 12 DATA PORTS.) REPL:ED5D811-31,G23		500	23A									
APPARATUS REQUIRED IN ADDITION TO GROUP F1 OR F3 TO RETROFIT GROUP F1 OR F3 WITH APPARATUS BLANKS, REAR PANEL SEGMENTS, AND CABLES TO PROVIDE FOR IWFU GROWTH USING GROUP 23 OR 23A. REPL:NONE			A									
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE AN IWF BASIC SHELF ASSEMBLY KIT FOR PROVIDING IWF SERVICE FOR UP TO 15 SUBSCRIBERS. (MAX 2 PER GROUP 1) DA EFF:07/25/97 FE:ED5D811-31,G21		65 61	DA F1									
EQUIPMENT AND ASSEMBLY ALWAYS REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE BI-DIRECTIONAL FAN UNIT FINAL ASSEMBLY KIT. (MAX 1 PER GROUP 1) DA EFF:07/25/97 FE:ED5D811-31,G12		68	DA F2		J5D003FH-2	N						
EQUIPMENT REQUIRED IN ADDITION TO GROUP F1 TO PROVIDE AN IWF GROWTH SHELF ASSEMBLY KIT TO PROVIDE SERVICE FOR UP TO 15 ADDITIONAL SUBSCRIBERS. (MAX 1 PER GROUP F1) DA EFF:07/25/97 FE:ED5D811-31,G21		65	DA F3									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 14 TO PROVIDE FUSE DESIGNATION PANEL AND LABELS. DA EFF:11/01/96 FE:ED5D811-31,GF4A			DA F4									

TABLE-A CONTINUED

ED5D811-31

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 IN ADDITION TO GROUP 14 TO PROVIDE FUSE DESIGNATION PANEL AND LABELS. REPL:ED5D811-31,GF4 DA EFF:07/25/97 FE:ED5D811-31,G14A			DA F4A									
END OF TABLE-A												

SEE PROPRIETARY NOTICE ON SHEET ONE

BT13

5ESS SWITCHING EQUIPMENT  
SPECIFICATION FOR  
INTERWORKING FUNCTION (IWF)

DWG SIZE C2 ISSUE 10

LUCENT TECHNOLOGIES INC ED5D811-31

SHEET A4 OF 24

1.19  
Create  
COMMON\_HARDWARE

NOTE: DRAWING FILE - IWFCBEXP.PRT

# IWF CABINET ASSEMBLY (E/W GROUPS F1, F3, 21, AND 22)

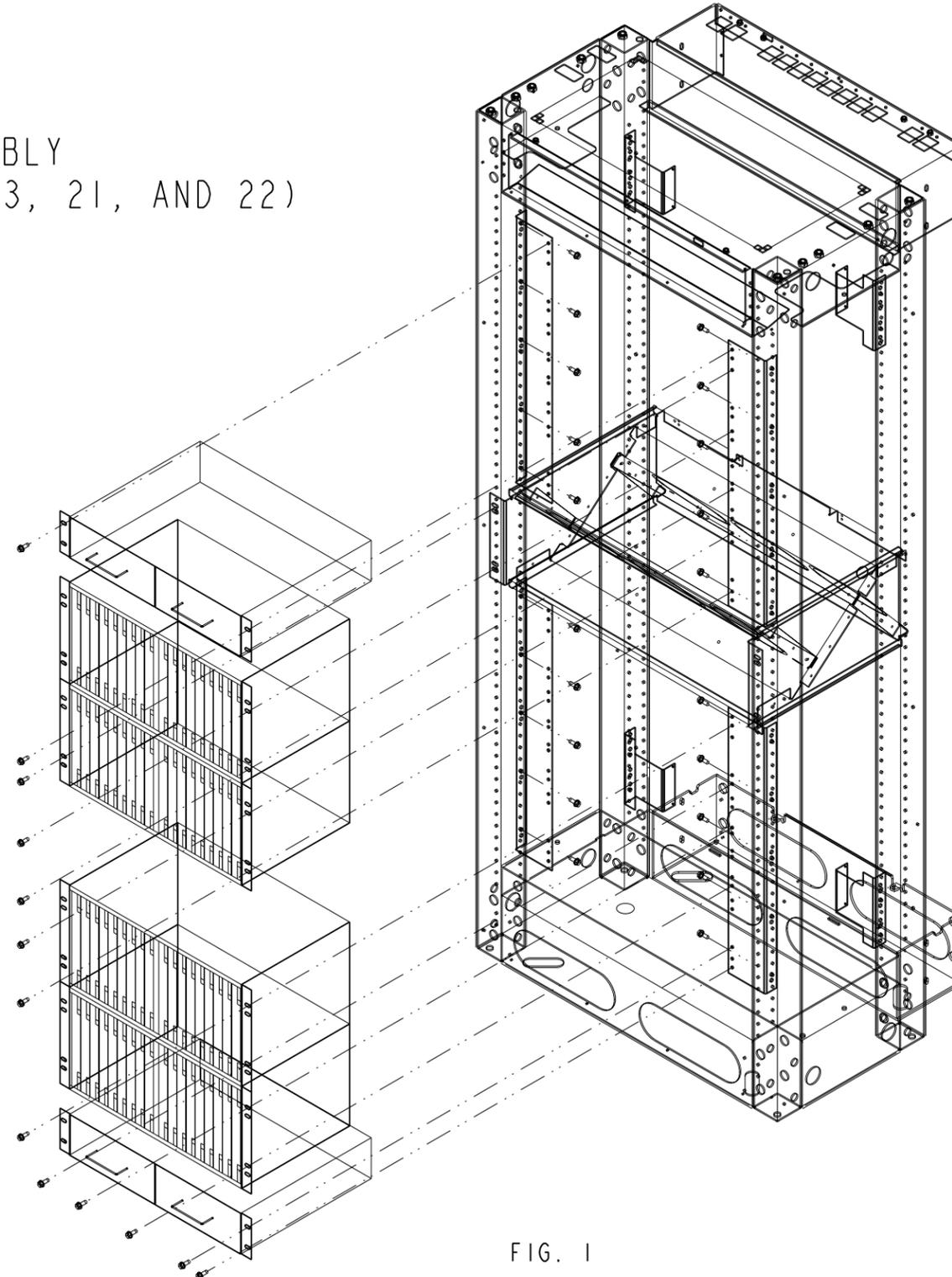


FIG. 1

PROJ - EGEDFORM.FRM - FEB 96

ED5D811-31

COPYRIGHT (C) 1999 Lucent Technologies Inc. All Rights Reserved		
INTERWORKING FUNCTION CABINET		THIRD ANGLE PROJ 
(P)	DWG SIZE C2	ISSUE 10
LUCENT TECHNOLOGIES	ED5D811-31	SHEET NO. B1

MODELED BY: COIX DATE: 23-APR-99

DRAWING NAME=ED5D811-31  
MODEL/ASM NAME=ED5D811-31

1.19 Initial COMMON\_HARDWARE

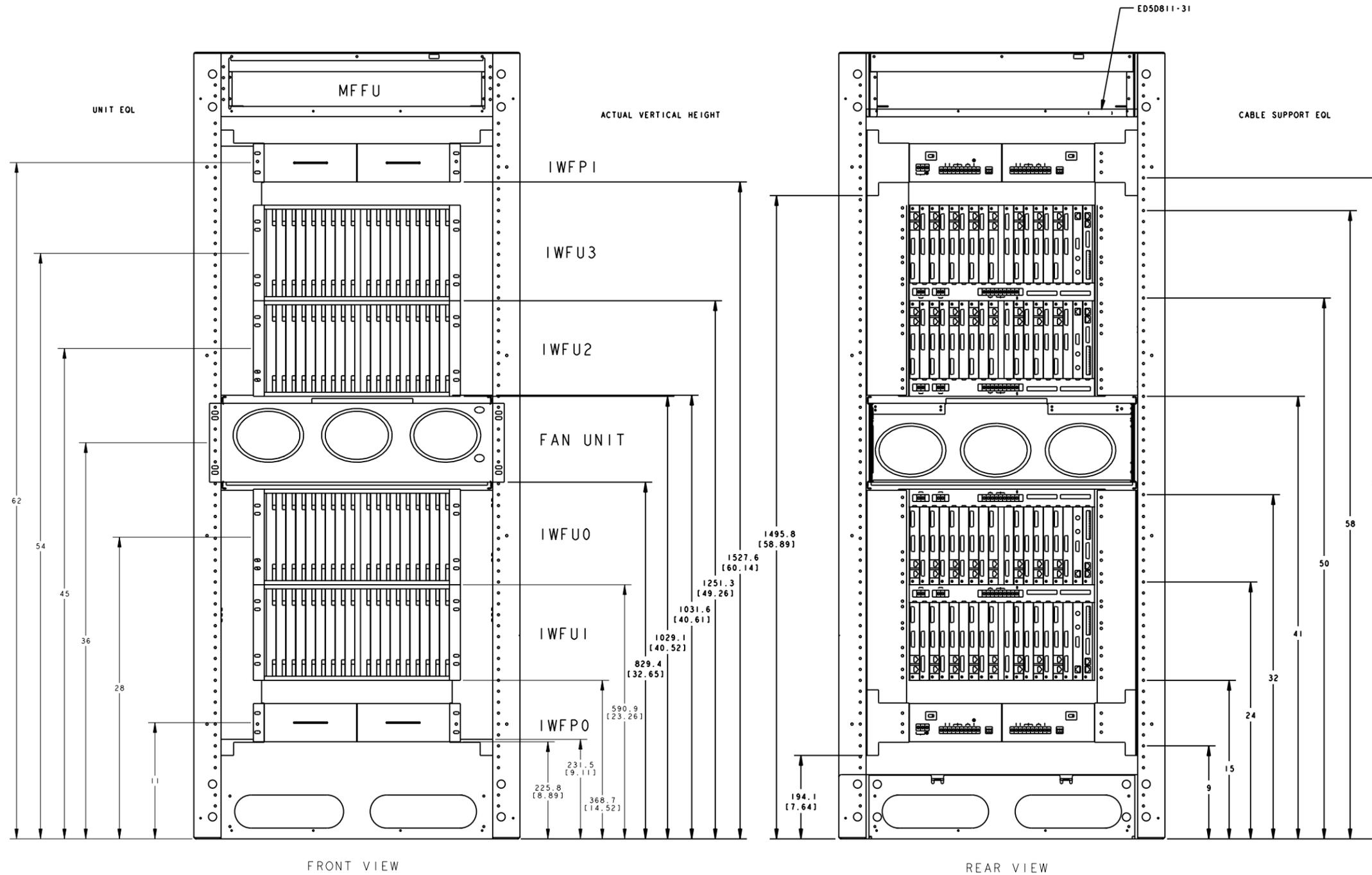


FIG. 2  
IWF CABINET ASSEMBLY  
(E/W GROUPS F1, F3, 21, 22 AND 23)

PROJ-EGEDFORM.FRM-FEB-96

ED5D811-31

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INTERWORKING FUNCTION CABINET		THIRD ANGLE PROJ 	
DWG SIZE C2		ISSUE 8	
LUCENT TECHNOLOGIES		ED5D811-31	
SHEET NO. B2			

MODELED BY: COIX DATE: 24-Nov-98

DRAWING NAME=ED5D811-31  
MODEL/ASM NAME=ED5D811-31

1.19  
Create  
COMMON\_HARDWARE

NOTE: DRAWING FILE - IWFAPPL.PRT

# TYPICAL IWF APPLICATION

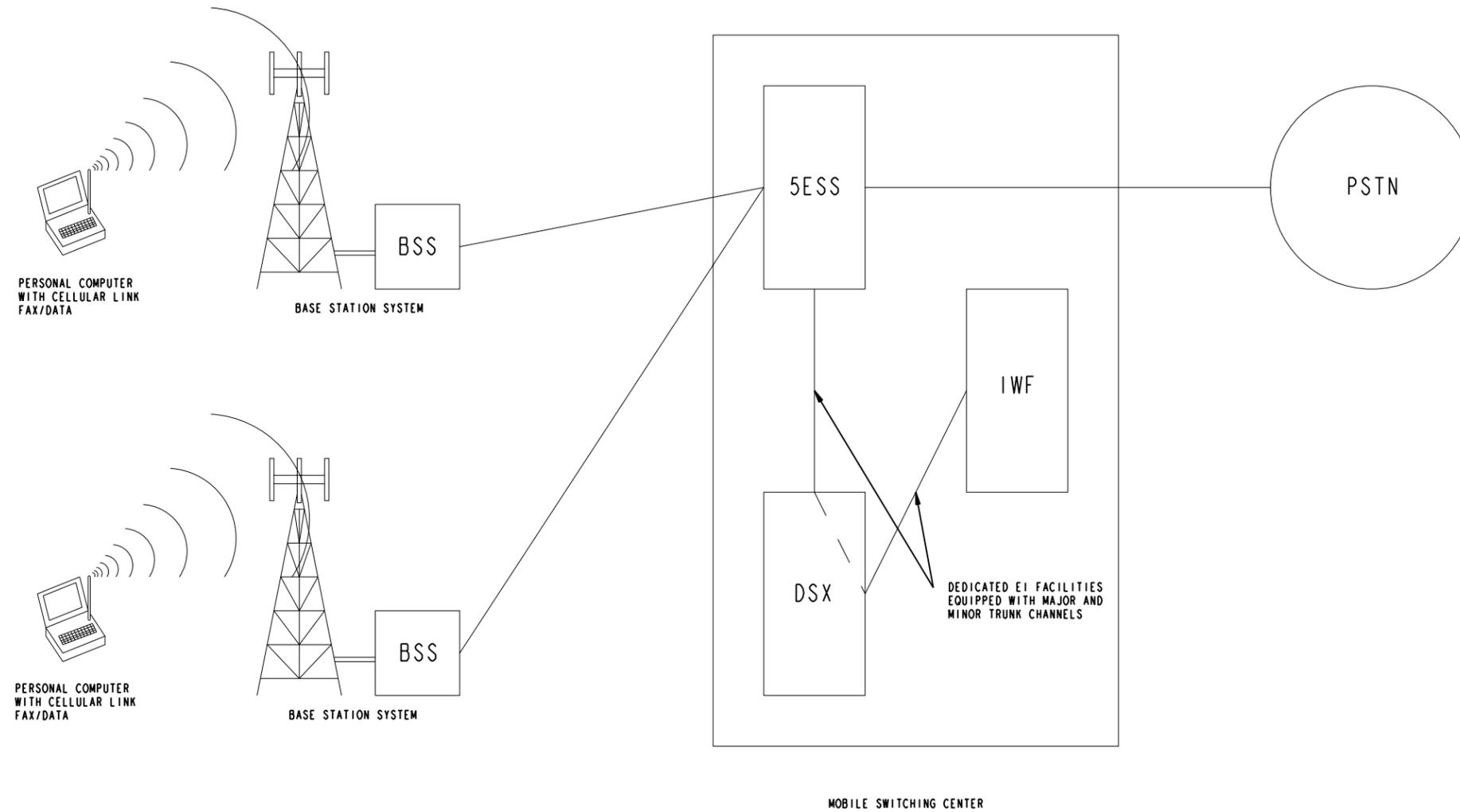


FIG. 3

PROJ - EGEDFORM.FRM - FEB 96

COPYRIGHT (C) 1999 Lucent Technologies Inc. All Rights Reserved			
INTERWORKING FUNCTION CABINET		THIRD ANGLE PROJ ⊕ —	
DWG SIZE C2		ISSUE 10	
LUCENT TECHNOLOGIES		SHEET NO. B3	
ED5D811-31			

MODELED BY: COIX DATE: 23-APR-99

DRAWING NAME=ED5D811-31  
MODEL/ASM NAME=ED5D811-31

ED5D811-31

1.19 Initial COMMON\_HARDWARE

NOTE: DRAWING FILE - NTWKENV.PRT

# TYPICAL IWF NETWORK ENVIRONMENT

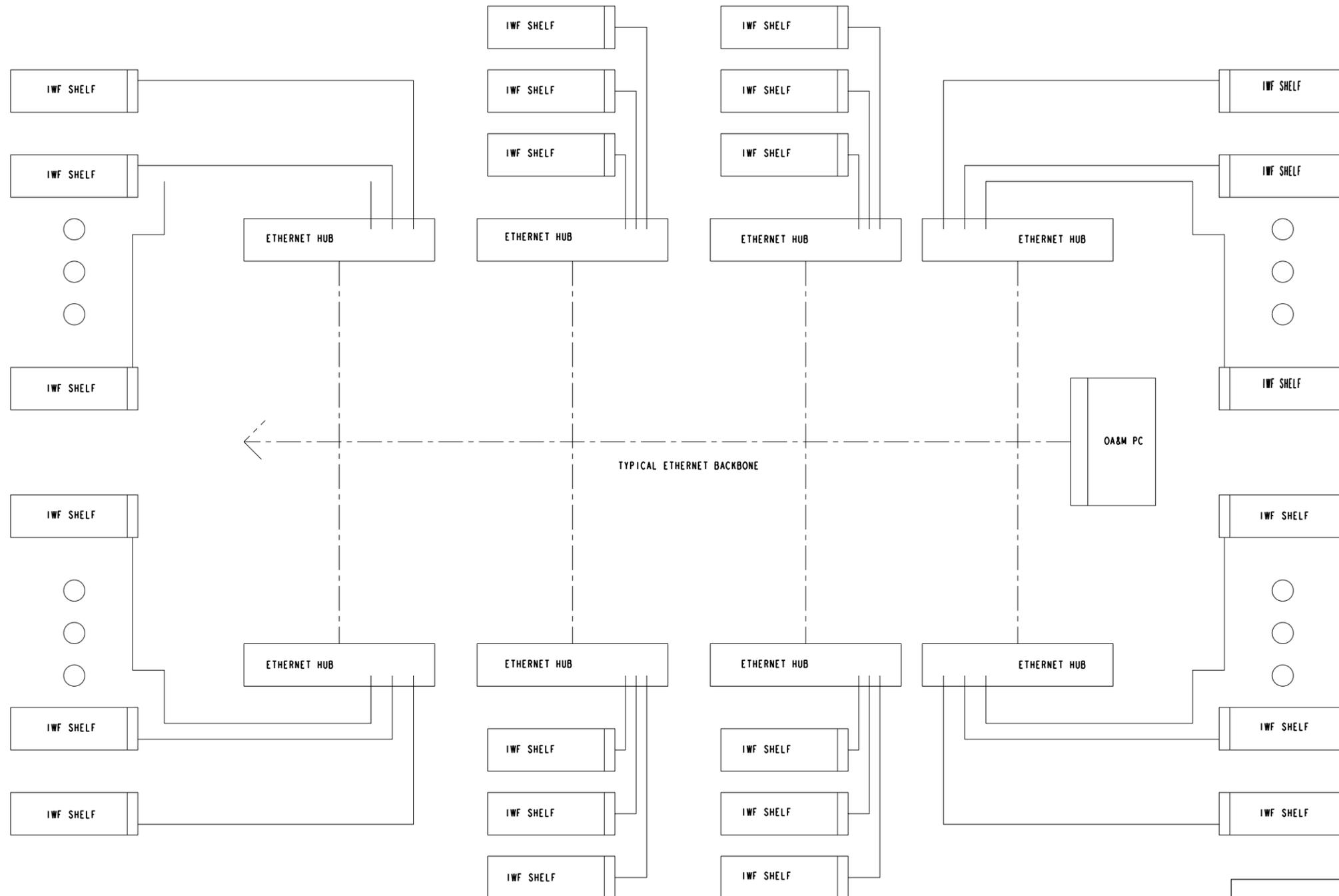


FIG. 4

PROJ-EOEDFORM.FRM-FEB-96

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INTERWORKING FUNCTION CABINET		THIRD ANGLE PROJ 	
DWG SIZE C2		ISSUE 8	
LUCENT TECHNOLOGIES		SHEET NO. B4	

ED5D811-31

MODELED BY: COIX DATE: 24-Nov-98

DRAWING NAME=ED5D811-31  
MODEL/ASM NAME=ED5D811-31

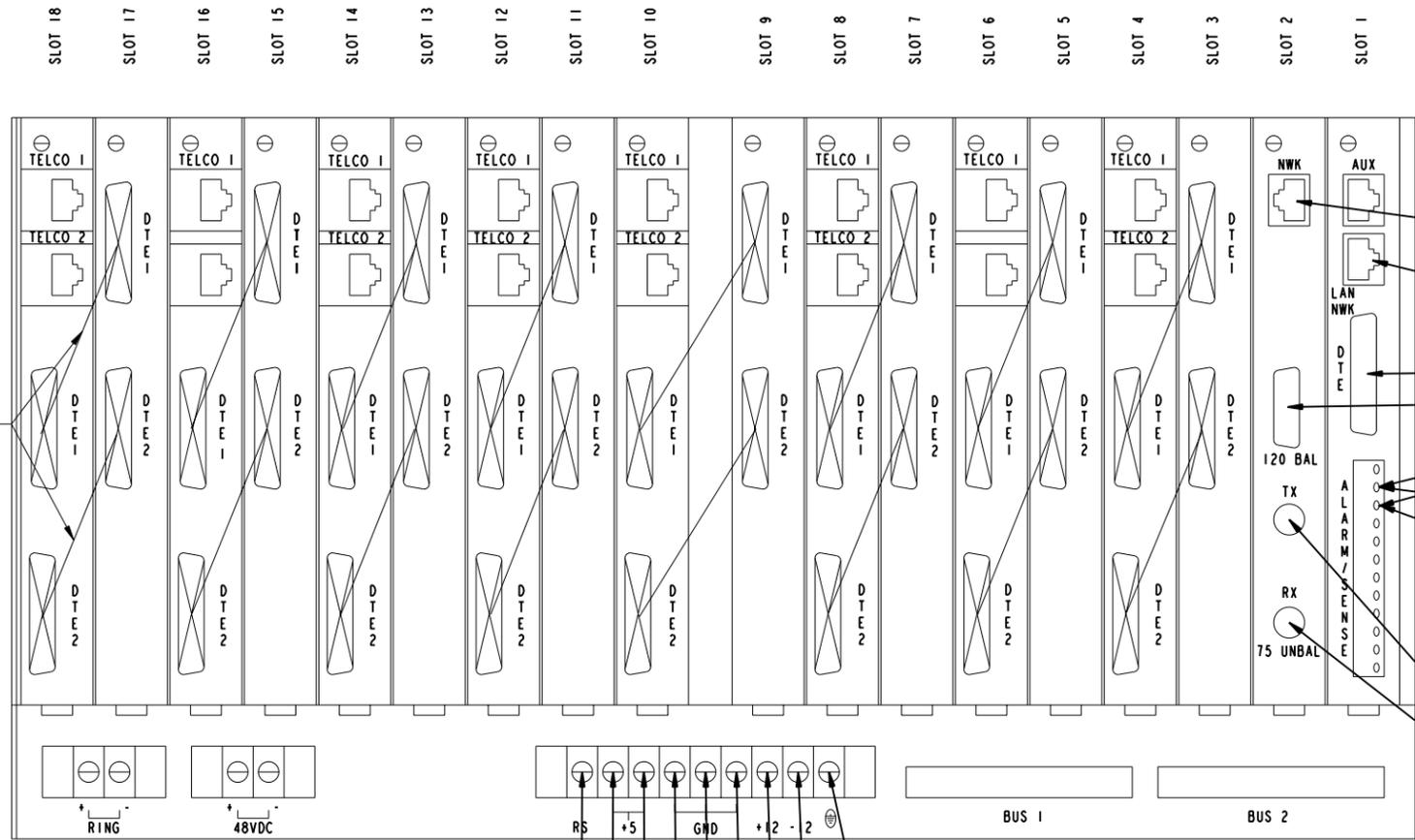
# IWFU INSTALLATION INFORMATION (GROUPS F1, F3, 21, AND 22)

### INSTALLATION NOTES

- ALARM OUTPUT TO MDF IS CONNECTED TO IWFUO ON TERMINALS 2 AND 3 WITH THE COLORS SHOWN.  
THE ALARM MULT IS CONNECTED AS FOLLOWS:  

IWFUO	TERMINAL 2	TO	IWFU1	TERMINAL 2
IWFUO	TERMINAL 3	TO	IWFU1	TERMINAL 3
IWFU1	TERMINAL 2	TO	IWFU2	TERMINAL 2
IWFU1	TERMINAL 3	TO	IWFU2	TERMINAL 3
IWFU2	TERMINAL 2	TO	IWFU3	TERMINAL 2
IWFU2	TERMINAL 3	TO	IWFU3	TERMINAL 3
- 26 GA DP-3 ALARM WIRING PROVIDED FOR ALARM MULT WIRING IS USED FOR IWFU GROWTH APPLICATIONS ONLY. DISCARD FOR IWFUO
- ED5D507-17, G130 CABLE IS ATTACHED TO THE LEFT UPRIGHT AT APPROXIMATELY THE LOWER EDGE OF THE IWFU. THIS CABLE PROVIDES FRAME GROUND TO THE IWFU.

ALL CABLES SUPPLIED WITH THE IWF SHELF ARE CONNECTED BETWEEN ADJACENT COMPUTER AND MODEM REAR SEGMENTS AS SHOWN.



RJ45 NETWORK CONNECTION POINT (ED5D811-11, G2) CABLE ID KZ201

LAN CONNECTION POINT

DTE CABLE CONNECTION POINT FOR VT100

DB15 NETWORK CONNECTION POINT (ED5D811-11, G3) CABLE ID KZ202

ALARM OUTPUT TO MAIN DISTRIBUTING FRAME (ED5D811-11, G5) CABLE ID KZ205, AND ALARM MULT CONNECTION POINTS. SEE INSTALLATION NOTES 1 AND 2.

BL1W FROM IWFPO (ALM A AND B TERM NC) TO IWFUO (ALARM/SENSE TERM 2) OR FROM IWFPI (ALM A AND B TERM NC) TO IWFU2 (ALARM/SENSE TERM 2)

ORANGE FROM IWFPO (ALM A AND B TERM COM) TO IWFUO (ALARM/SENSE TERM 3) OR FROM IWFPI (ALM A AND B TERM COM) TO IWFU2 (ALARM/SENSE TERM 3)

WHITE

BNC NETWORK CONNECTION POINTS (ED5D811-11, G1) CABLE ID KZ200

- BLUE OR NO CONNECT
- GREEN
- GREEN
- BLACK
- BLACK
- BLACK
- RED
- WHITE

POWER CABLE SUPPLIED WITH EXTERNAL POWER SUPPLY (GROUP F1)

IWFUO AND IWFU1 CONNECT TO IWFPO.  
IWFU2 AND IWFU3 CONNECT TO IWFPI.

IWFUO AND IWFU2 ARE CONNECTED WITH CABLE UTILIZING THE BLUE WIRE FOR REMOTE SENSE.

BLACK ED5D507-17, G130

FIG. 5

NOTE: DRAWING FILE - IWFSLF.PRT

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INTERWORKING FUNCTION CABINET		THIRD ANGLE PROJ ⊕	
DWG SIZE C2		ISSUE 8	
LUCENT TECHNOLOGIES		ED5D811-31	
SHEET NO. B5			

MODELED BY: COIX DATE: 24-Nov-98

DRAWING NAME=ED5D811-31  
MODEL/ASM NAME=ED5D811-31

1.19  
Create  
COMMON\_HARDWARE

- INSTALLATION NOTE
1. IWF COMPUTER AND V.34 DHM MODEM CARDS ARE EQUIPPED IN THE POSITIONS SHOWN AND GROWN FROM LEFT TO RIGHT.
  2. DRAWING FILE - IWFSHLF.PRT

### IWFU CIRCUIT PACK INSTALLATION (GROUPS F1, F3, 21, 22, AND 23)

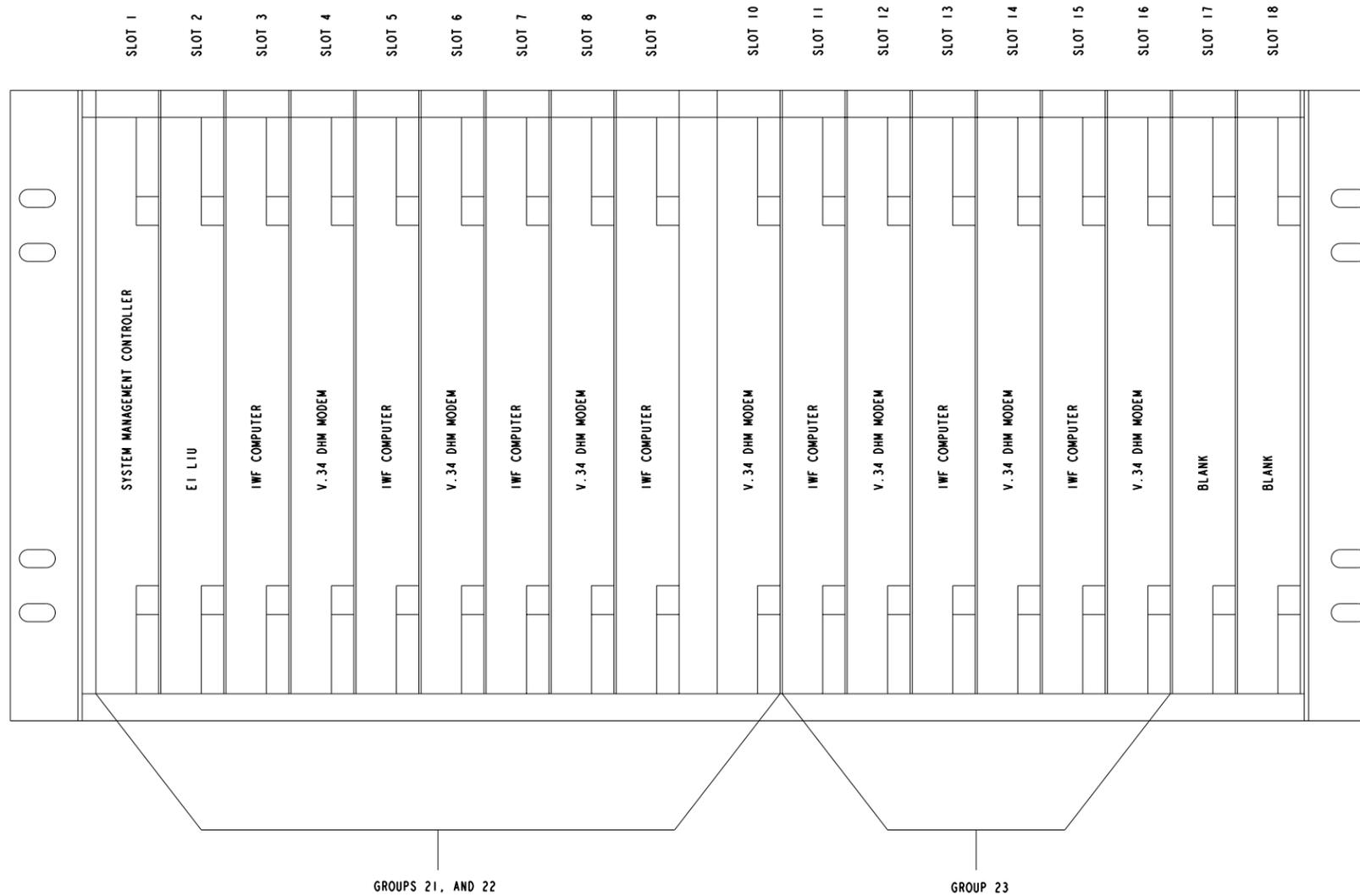


FIG. 6

PROJ-EOEDFORM.FRM-FEB-96

ED5D811-31

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INTERWORKING FUNCTION CABINET		THIRD ANGLE PROJ 	
(P) DWG SIZE C2		ISSUE 10	
LUCENT TECHNOLOGIES		ED5D811-31	
SHEET NO. B6			

MODELED BY: COIX DATE: 23-APR-99

DRAWING NAME=ED5D811-31  
MODEL/ASM NAME=ED5D811-31

# IWFP UNIT INSTALLATION INFORMATION (GROUP F1, 21, AND 22)

### INSTALLATION NOTES

1. THE 1ST OF THE TWO POWER CABLES SUPPLIED WITH THE EXTERNAL POWER SUPPLY CONTAINS ONE BLUE WIRE WHERE THE 2ND DOES NOT.
2. DO NOT CONNECT 2ND POWER CABLE TO THE EXTERNAL POWER SUPPLY IF IWFP1 OR IWFP3 ARE NOT EQUIPPED. FORM THE POWER CABLE TO THE HORIZONTAL CABLE SUPPORTS AND TIE IT IN PLACE FOR FUTURE USE WHEN IWFP1 OR IWFP3 IS INSTALLED AT A LATER TIME.
3. ED5D507-17, G130 CABLE IS ATTACHED TO THE LEFT UPRIGHT AT APPROXIMATELY THE LOWER EDGE OF EITHER IWFP0 OR IWFP1. THIS CABLE PROVIDES FRAME GROUND CONNECTION FOR THE UNIT.
4. DRAWING FILE - IWFPWR.PRT

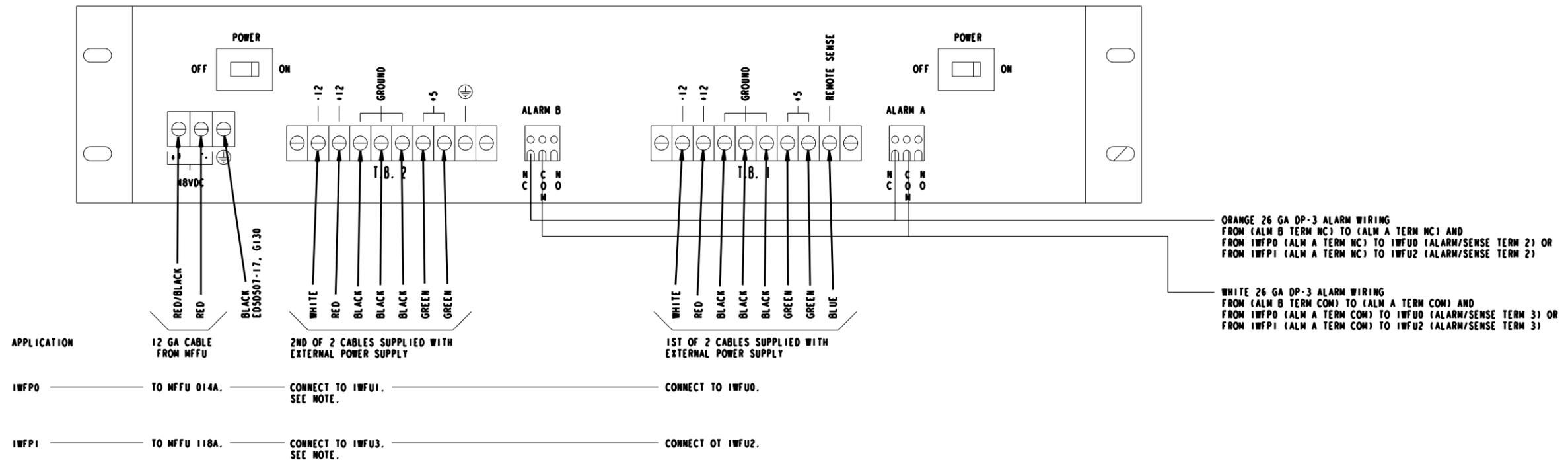
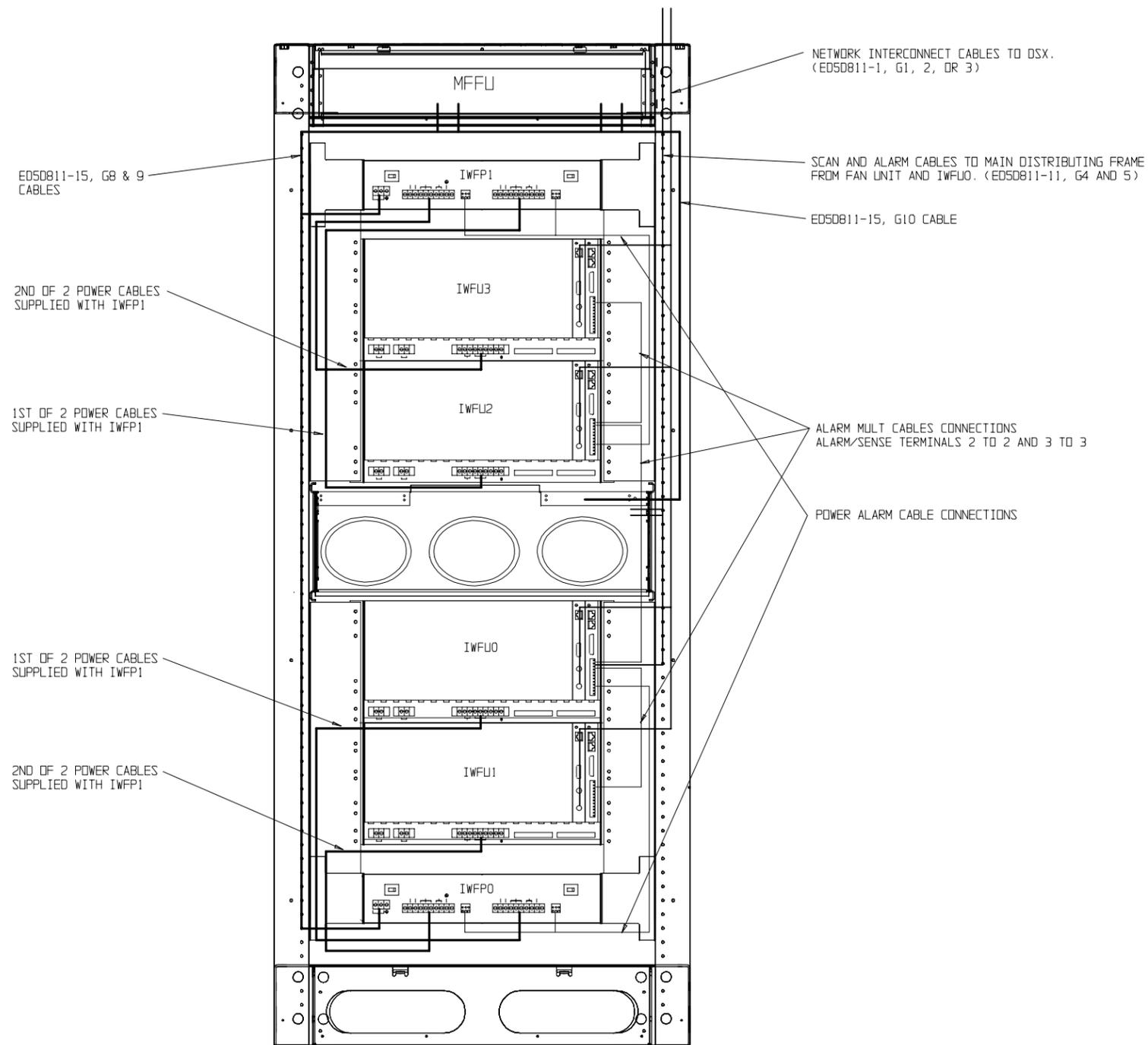


FIG. 7

COPYRIGHT (C) 1998 Lucent Technologies Inc. All Rights Reserved		
INTERWORKING FUNCTION CABINET		THIRD ANGLE PROJ 
DWG SIZE C2	ISSUE 8	SHEET NO. B7
LUCENT TECHNOLOGIES		
ED5D811-31		

CABLE ROUTING DIAGRAM  
 ( IWF CABINET ASSEMBLY )  
 ( E/W GROUPS F1, F3, 21, AND 22 )

NOTE: DRAWING FILE - IWFCAB.PRT



REAR VIEW

FIG. 8

TITLE		SESS SWITCHING EQUIPMENT SPECIFICATION FOR INTERWORKING FUNCTION ( IWF ) (P)		Lucent Technologies	
THIRD ANGLE PJTN		LUCENT TECHNOLOGIES - PROPRIETARY USE PURSUANT TO COMPANY INSTRUCTIONS			
SCALE	ED50811-31			SHEET	DWG SIZE
NONE				B8	6W1 C2

1.19  
Create  
COMMON\_HARDWARE

INSTALLATION NOTES

1. THE FERRITE CORE PROVIDED WITH THE EI - LIU CIRCUIT PACK SHALL BE LOOPED ONTO THE RJ45 CABLE (IF PROVIDED) AS SHOWN TO SUPPRESS NOISE TRANSMISSION THROUGH THE CABLE. SEE FIG. 9.
2. DRAWING FILE - IWFBK.PRT

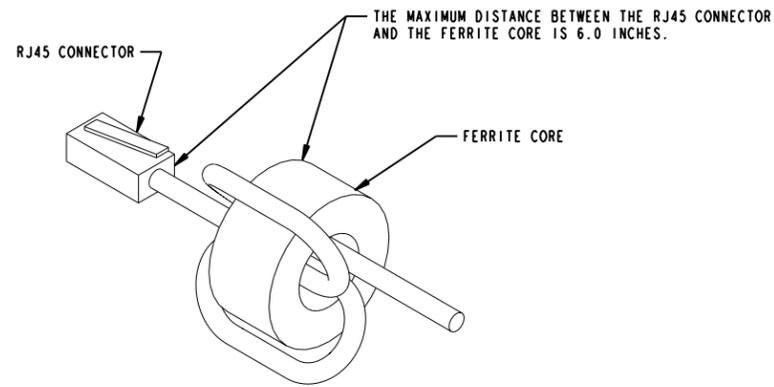


FIG. 9

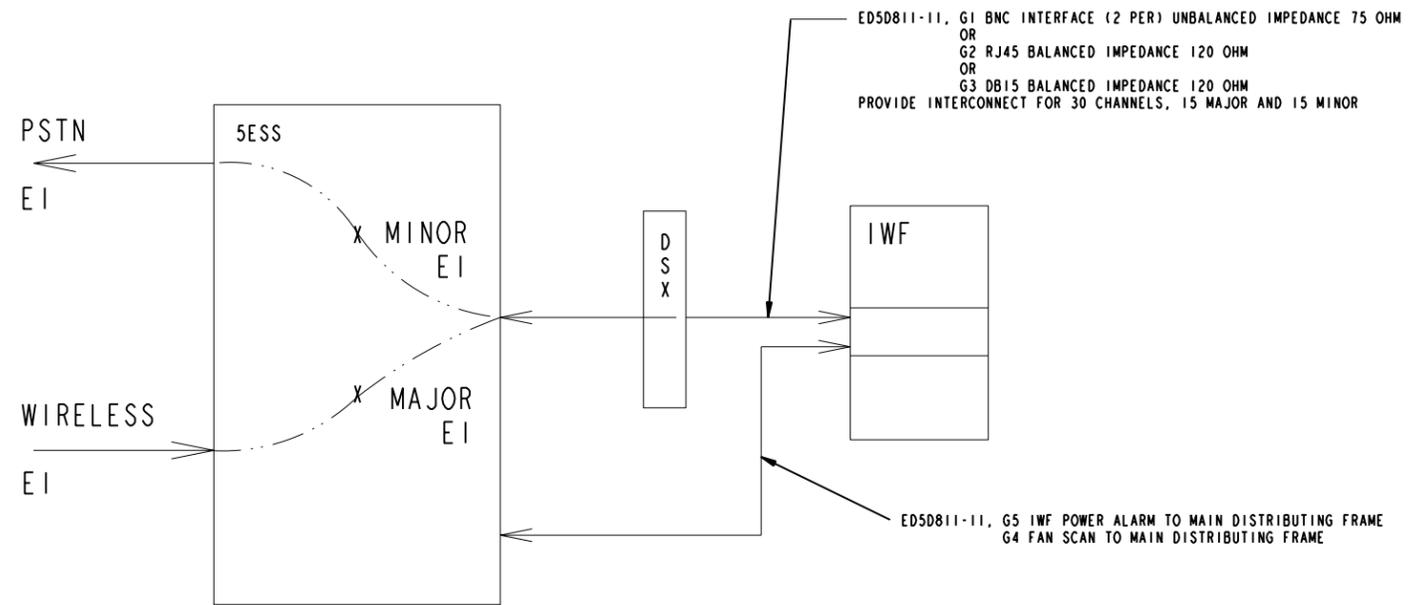


FIG. 10

PROJ - EOEDFORM.FRM - FEB 96

ED5D811-31

COPYRIGHT (C) 1999 Lucent Technologies Inc. All Rights Reserved		
INTERWORKING FUNCTION CABINET		THIRD ANGLE PROJ 
DWG SIZE C2	ISSUE 10	SHEET NO. B9
LUCENT TECHNOLOGIES		
ED5D811-31		

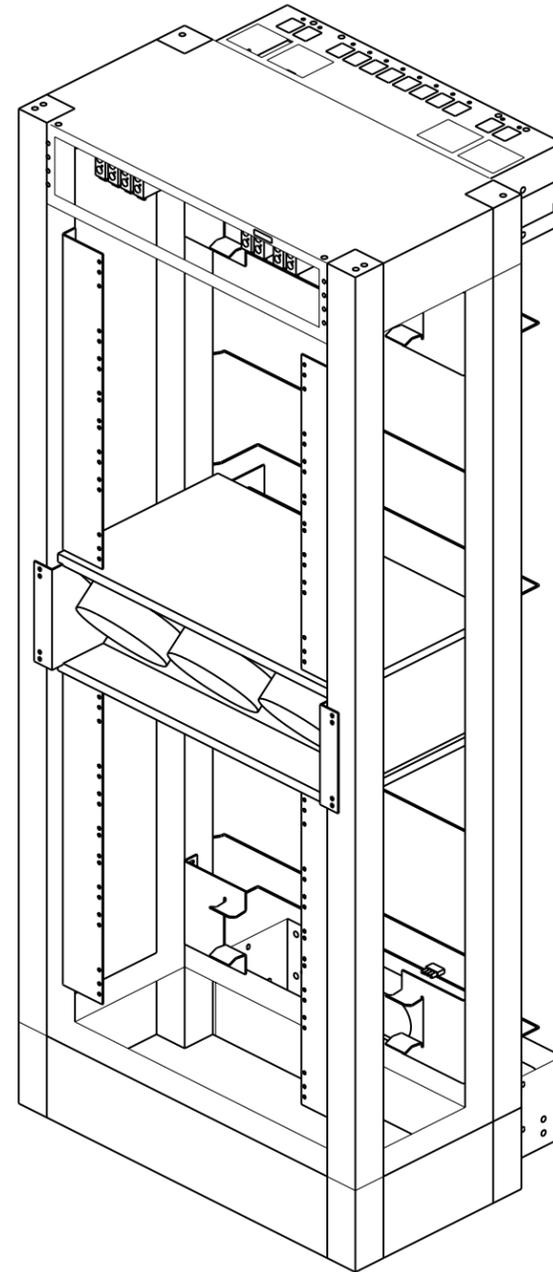
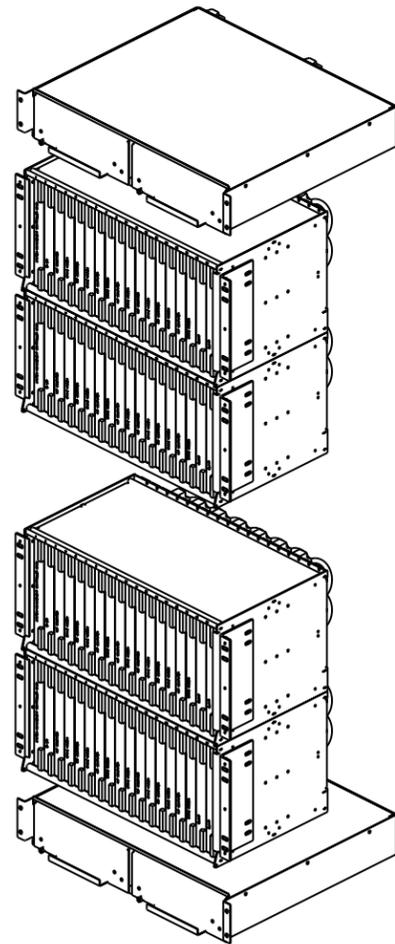
MODELED BY: COIX DATE: 23-APR-99

DRAWING NAME=ED5D811-31  
MODEL/ASM NAME=ED5D811-31

1.19  
Initial  
COMMON\_HARDWARE

# IWF CABINET ASSEMBLY (E/W GROUPS 21A, 22A, AND 23A)

NOTE: DRAWING FILE - ED5D811-31.DRW



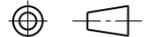
PROJ - EGEDFORM.FRM - FEB 96

ED5D811-31

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INTERWORKING FUNCTION CABINET

THIRD ANGLE PROJ



DWG SIZE  
C2

ISSUE  
8

LUCENT  
TECHNOLOGIES

ED5D811-31

SHEET NO.  
B10

MODELED BY: COIX DATE: 24-Nov-98

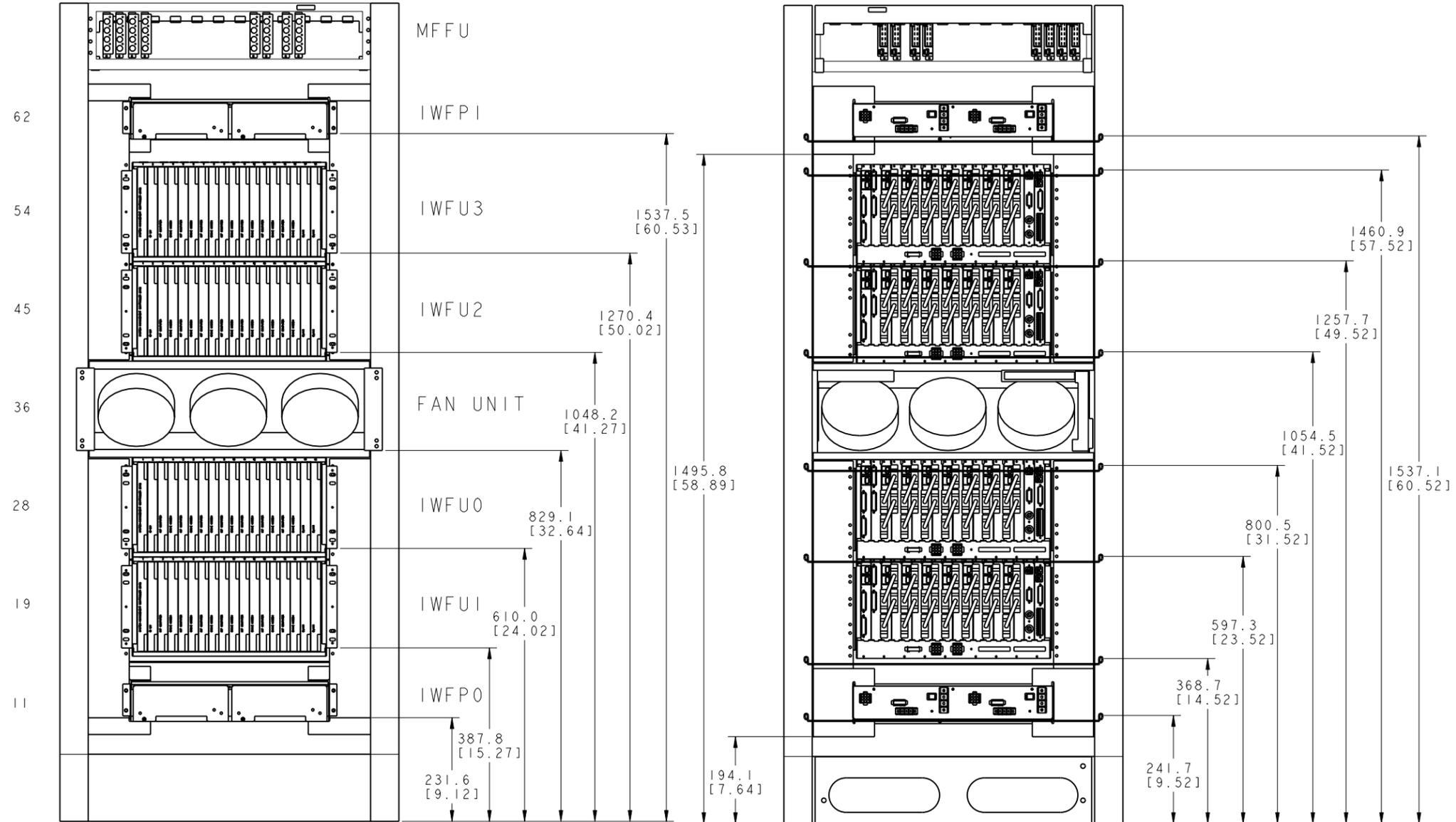
DRAWING NAME=ED5D811-31  
MODEL/ASM NAME=ED5D811-31

1.19  
Create  
COMMON-HARDWARE

UNIT EQL

ACTUAL VERTICAL HEIGHT

CABLE SUPPORT HEIGHT



FRONT VIEW

REAR VIEW

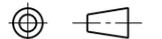
# IWF CABINET ASSEMBLY (E/W GROUPS 21A, 22A, AND 23A)

FIG. 12

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INTERWORKING FUNCTION CABINET

THIRD ANGLE PROJ



DWG SIZE  
C2

ISSUE  
10

LUCENT  
TECHNOLOGIES

ED5D811-31

SHEET NO.  
B11

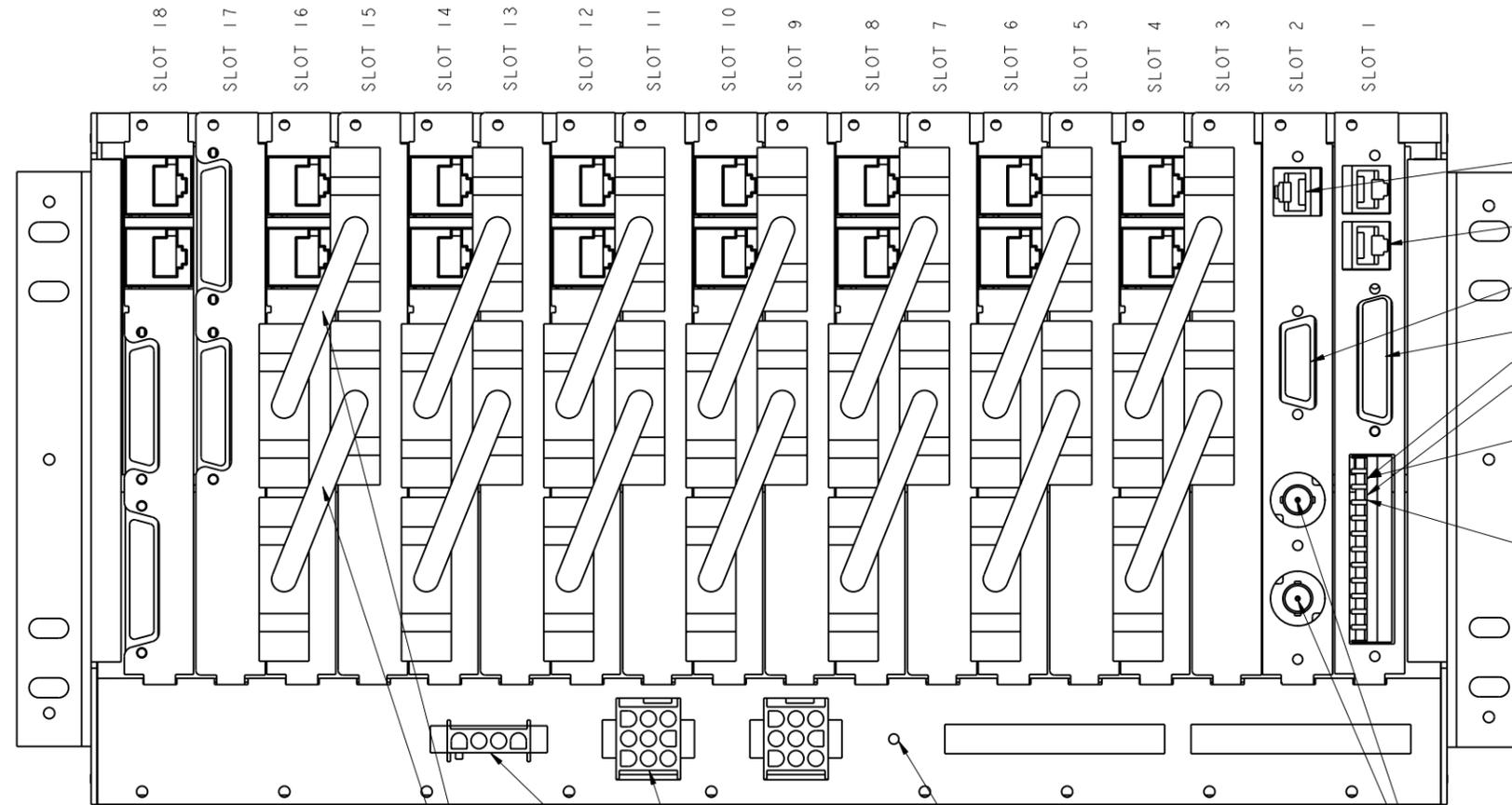
MODELED BY: COIX DATE: 23-APR-99

DRAWING NAME=ED5D811-31  
MODEL/ASM NAME=ED5D811-31

PROJ-EQEDFORM.FRM-FEB-96

ED5D811-31

# IWFU INSTALLATION INFORMATION (GROUPS 21A, AND 22A)



### INSTALLATION NOTES

- ALARM OUTPUT TO MDF IS CONNECTED TO IWFU0 ON TERMINALS 2 AND 3 WITH THE COLORS SHOWN.
- THE ALARM MULT IS CONNECTED AS FOLLOWS:
 

IWFU0 TERMINAL 2	TO	IWFU1 TERMINAL 2
IWFU0 TERMINAL 3	TO	IWFU1 TERMINAL 3
IWFU1 TERMINAL 2	TO	IWFU2 TERMINAL 2
IWFU1 TERMINAL 3	TO	IWFU2 TERMINAL 3
IWFU2 TERMINAL 2	TO	IWFU3 TERMINAL 2
IWFU2 TERMINAL 3	TO	IWFU3 TERMINAL 3
- ED5D507-17, G130 CABLE IS ATTACHED TO THE LEFT UPRIGHT AT APPROXIMATELY THE LOWER EDGE OF THE IWFU. THIS CABLE PROVIDES FRAME GROUND TO THE IWFU.

- RJ45 NETWORK CONNECTION POINT (ED5D811-11, G2) CABLE TO KZ201
- LAN CONNECTION POINT
- DB15 NETWORK CONNECTION POINT (ED5D811-11, G3) CABLE TO KZ202
- DTE CABLE CONNECTION POINT FOR VT100
- BL1W ALARM OUTPUT TO MAIN DISTRIBUTING FRAME (ED5D811-11, G5) CABLE ID KZ205. ALARM MULT CONNECTION POINTS. SEE INSTALLATION NOTE 2.
- BL2W
- W-BL FROM IWFPO (ALM A AND B TERM NC) TO IWFU0 (ALARM/SENSE TERM 2) FROM IWFPI (ALM A AND B TERM NC) TO IWFU2 (ALARM/SENSE TERM 2).
- W-BR FROM IWFPO (ALM A AND B TERM COM) TO IWFU0 (ALARM/SENSE TERM 3) FROM IWFPI (ALM A AND B TERM COM) TO IWFU2 (ALARM/SENSE TERM 3).
- BNC NETWORK CONNECTION POINTS (ED5D811-11, G1) CABLE TO KZ200

POWER CABLES SUPPLIED WITH EXTERNAL POWER SUPPLY (GROUPS 21A, 22A)  
 IWFU0 AND IWFU1 CONNECT TO IWFPO.  
 IWFU2 AND IWFU3 CONNECT TO IWFPI.

ALL CABLES SUPPLIED WITH THE IWFU ARE TO BE CONNECTED BETWEEN ADJACENT IWF COMPUTER AND DHM REAR SEGMENTS AS SHOWN.

FIG. 13

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INTERWORKING FUNCTION CABINET		THIRD ANGLE PROJ 
DWG SIZE C2	ISSUE 8	
LUCENT TECHNOLOGIES	ED5D811-31	SHEET NO. B12

MODELED BY: COIX DATE: 24-Nov-98

1.19  
Initial  
COMMON\_HARDWARE

# IWF CIRCUIT PACK INSTALLATION (GROUPS 21A, 22A, AND 23A)

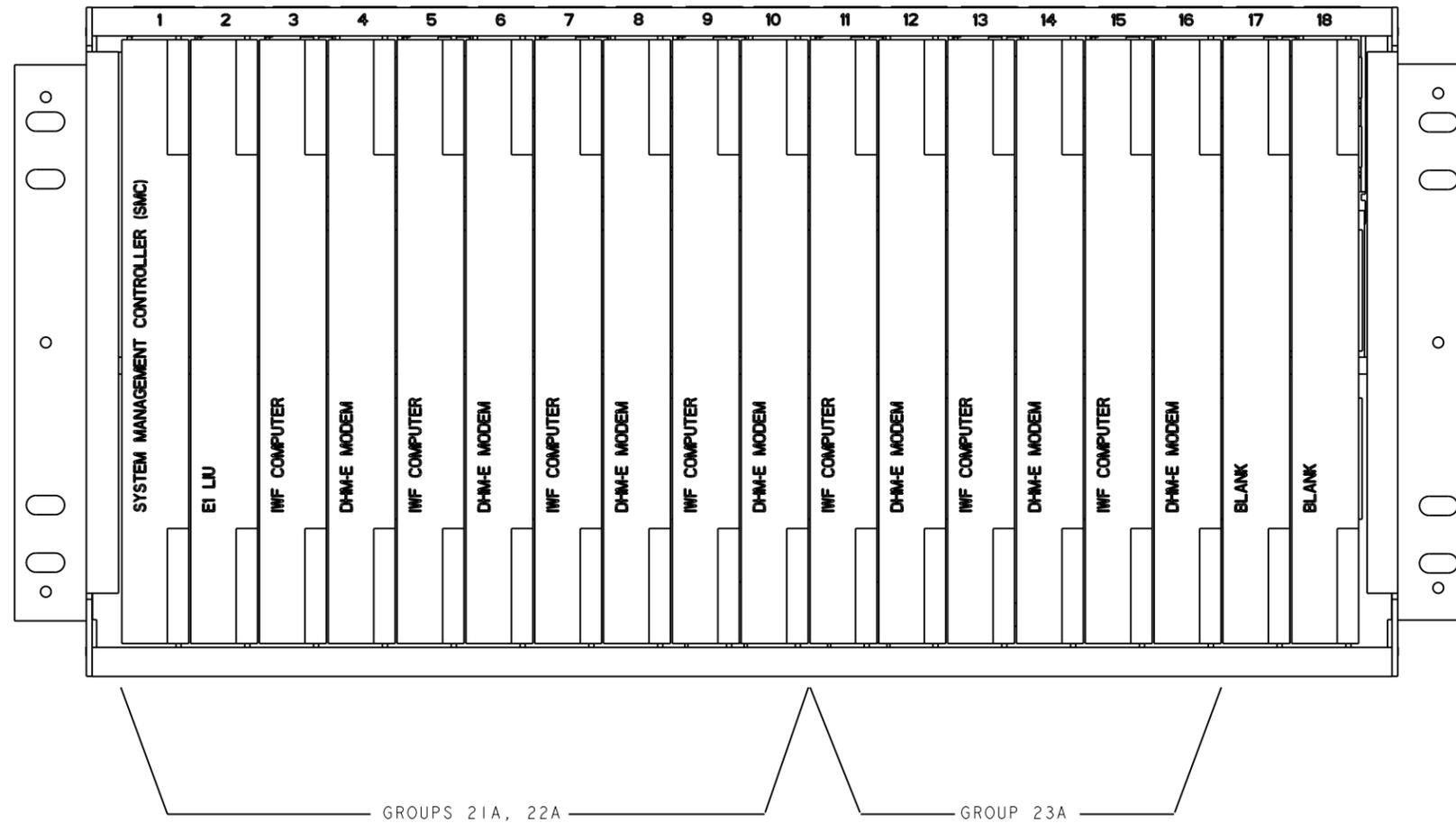


FIG. 14

PROJ-EGEDFORM.FRM-FEB-96

ED5D811-31

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INTERWORKING FUNCTION CABINET		THIRD ANGLE PROJ 	
DWG SIZE C2		ISSUE 8	
LUCENT TECHNOLOGIES		SHEET NO. B13	

MODELED BY: COIX DATE: 24-Nov-98

DRAWING NAME=ED5D811-31  
MODEL/ASM NAME=ED5D811-31

1.19  
Create  
COMMON\_HARDWARE

# IWFP UNIT INSTALLATION INFORMATION (GROUPS 21A, AND 22A)

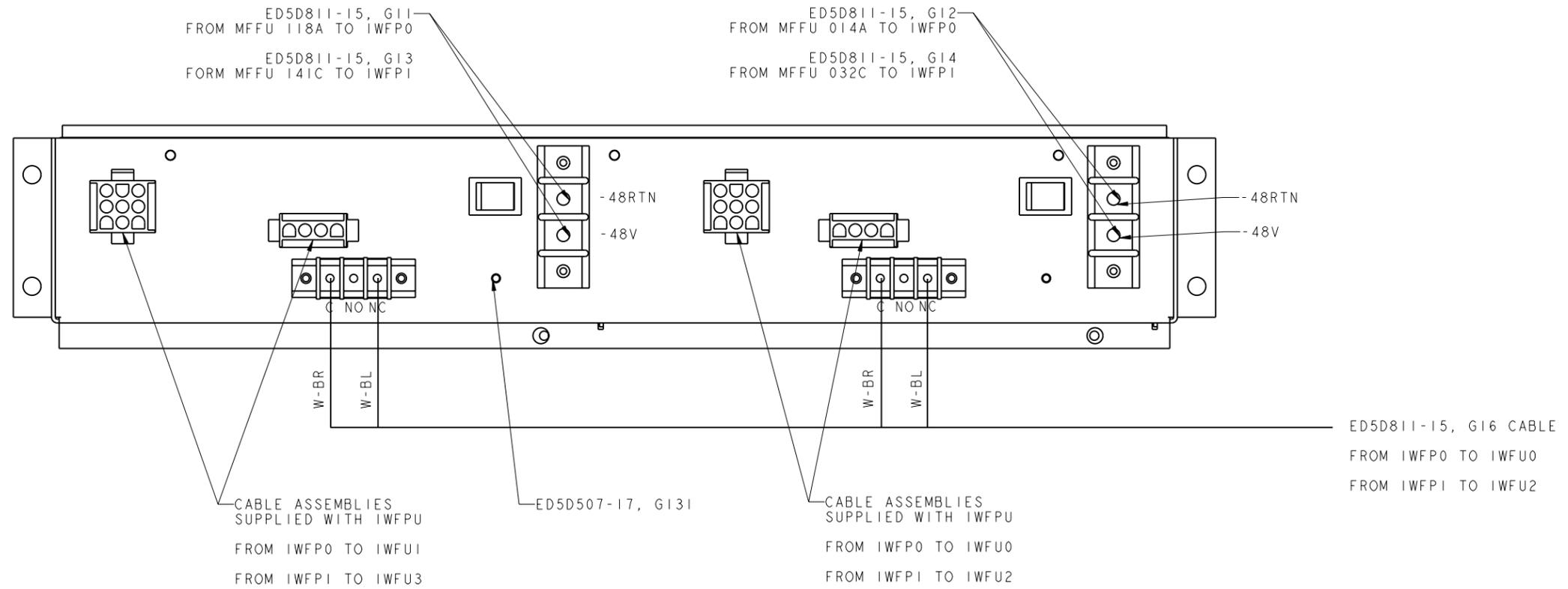


FIG. 15

PROJ-EOEDFORM.FRM-FEB-96

ED5D811-31

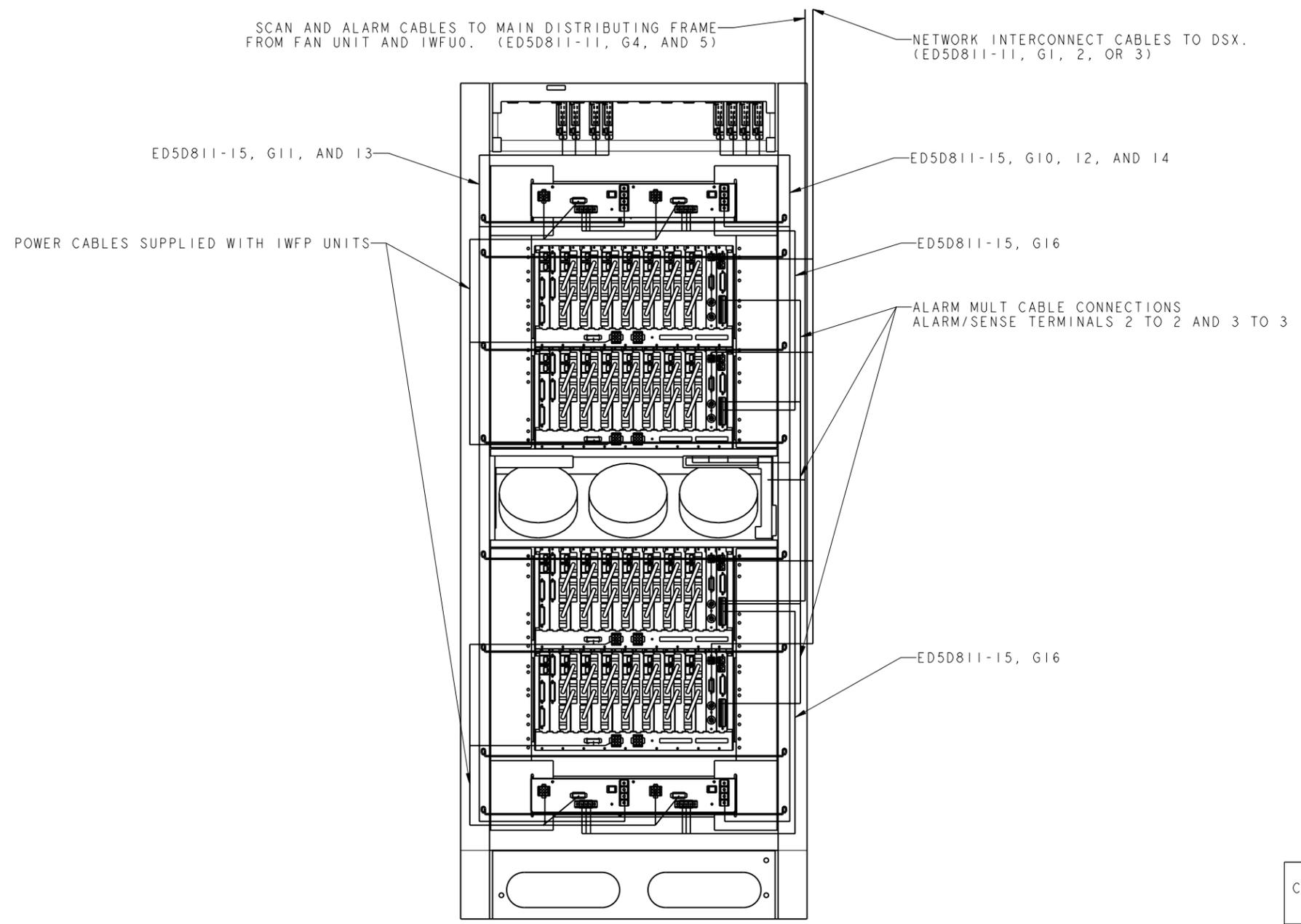
COPYRIGHT (C) 1999 Lucent Technologies Inc. All Rights Reserved		
INTERWORKING FUNCTION CABINET		THIRD ANGLE PROJ 
DWG SIZE C2	ISSUE 10	SHEET NO. B14
LUCENT TECHNOLOGIES	ED5D811-31	

MODELED BY: COIX DATE: 23-APR-99

DRAWING NAME=ED5D811-31  
MODEL/ASM NAME=ED5D811-31

1.19  
Create  
COMMON\_HARDWARE

# CABLE ROUTING DIAGRAM (IWF CABINET ASSEMBLY) (E/W GROUPS 21A, 22A)



REAR VIEW  
FIG. 16

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INTERWORKING FUNCTION CABINET		THIRD ANGLE PROJ 	
DWG SIZE C2		ISSUE 10	
LUCENT TECHNOLOGIES		SHEET NO. B15	

PROJ - EGEDFORM.FRM - FEB 96

ED5D811-31

MODELED BY: COIX DATE: 23-APR-99

DRAWING NAME=ED5D811-31  
MODEL/ASM NAME=ED5D811-31

1.19 Initial COMMON-HARDWARE

# IWF OAM&P SYSTEM

SESS MSC OFFICE 'USER AREA'

SESS MSC OFFICE CABINET / FRAME LINE-UP AREA

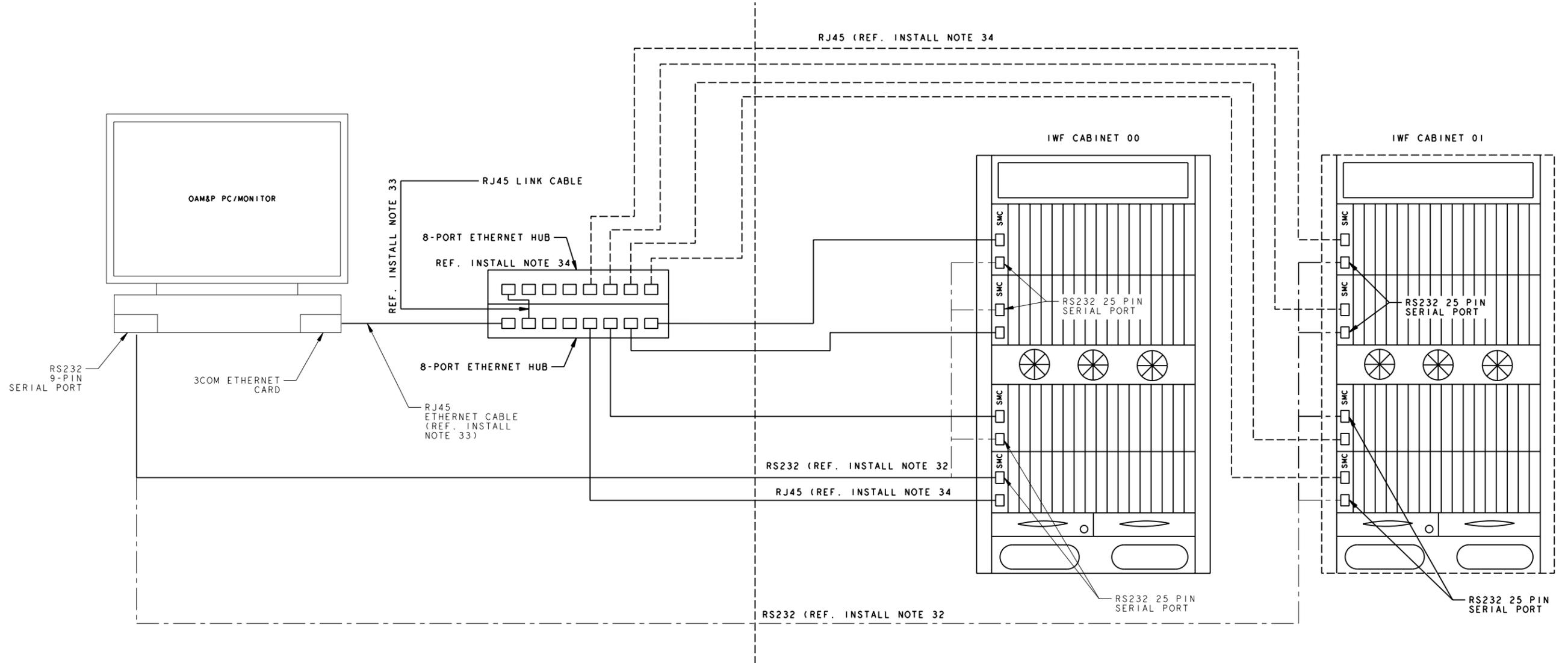


FIG. 17

PROJ-EOEDFORM.FRM-FEB-96

ED5D811-31

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INTERWORKING FUNCTION CABINET		THIRD ANGLE PROJ 	
(P) DWG SIZE C2		ISSUE 8	
LUCENT TECHNOLOGIES		SHEET NO. B16	

MODELED BY: COIX DATE: 24-Nov-98

DRAWING NAME=ED5D811-31  
MODEL/ASM NAME=ED5D811-31

S H O P	I N S T P T	<b>MANUFACTURING NOTES</b>  ***** CONTINUED *****  SHELVES IN GROUPS 21A & 22A.\$ ----- X 37. REMOVE PAINT INSIDE SCREW TERMINAL HOLE (FRAME GROUND POINT) AND SURROUNDING AREA (APPROX. 5/8 DIAMETER). SCREW TERMINAL HOLE (FRAME GROUND POINT) IS APPROXIMATELY LOCATED AT THE LOWER EDGE OF IWF UNIT (GROUPS 21A & 22A). X 38. INSTALL A #6 THREAD ROLLING SCREW AND A #6 HELICAL SPRING LOCK WASHER AT THE SCREW TERMINAL HOLE (FRAME GROUND POINT) LOCATED APPROXIMATELY AT THE LOWER EDGE OF IWF UNIT (GROUPS 21A & 22A). -----
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S H O P	I N S T P T	<b>MANUFACTURING NOTES</b>  ***** CONTINUED *****  FAN E 118B FAN F 141A FAN G 141B X X 18. FUSE PANEL PATCH LABELS FOR THE IWF POWER SUPPLY (G21 & 22) SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS: IWFP0 014A IWFP1 118A FUSE PANEL PATCH LABELS FOR THE IWF POWER SUPPLY (G21A & 22A) SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS: IWFP0A 014A IWFP0B 118A IWFP1A 032C IWFP1B 141C X X 19. SEE FIGURES 5, 7, 8, 9, 13, 15, AND 16 FOR CABLE INSTALLATION INFORMATION. X 20. SEE FIGURE 6 OR 14 FOR CIRCUIT PACK INSTALLATION INFORMATION. X 21. ED5D507-17, GROUP 130 CABLES SHALL BE MOUNTED TO THE LEFT UPRIGHT AT THE FOLLOWING VERTICAL EQLS: 07           13           23           42           49           60 X 22. FUSE DESIGNATION PANEL LABELS SHALL BE INSTALLED PER J5D003FJ-1 AND CABINET LABELS SHALL BE INSTALLED PER J5D055A-1. X 23. CABINET ADDRESS LABELS SHOWN IN THE STOCKLIST ARE FOR ACCOUNTING PURPOSES ONLY ACTUAL LABELS ARE PROVIDED PER JOB SPECIFICATIONS. X 24. ATTACH ONE LABEL TO THE TOP, MIDDLE, REAR OF THE CABINET FOR IDENTIFICATION PURPOSES. THE REMAINING LABELS ARE TO BE BAGGED AND ATTACHED TO THE CABINET FOR FIELD APPLICATION TO THE FRONT AND REAR INDICATOR STRIPS. X 25. 6 FEET REQUIRED X 26. 8 FEET REQUIRED. X 27. WHEN INSTALLING GROUP 22A IN AN IWF CABINET THAT IS EQUIPPED WITH GROUP 13, THE REAR POWER SUPPLY MOUNTING BRACKETS (847731221) MUST BE REMOVED PRIOR TO INSTALLING 847774775 BRACKETS. X 28. DISCARD GREY FLAT RIBBON CABLES AND ANY MANUALS IF SUPPLIED WITH EITHER SHELF UNITS OR RACK MOUNTED POWER SUPPLY UNITS. X 29. DO NOT INSTALL D-TYPE CABLE JUMPERS SUPPLIED WITH SHELF UNIT IN SLOTS 17 & 18 (SEE JUMPER INSTALLATION ON PAGE B5). SHIP EXTRA JUMPERS AND FERRITE CORE WITH FRAME. X 30. THE PC HARDWARE AND ETHERNET HUB ARE TO BE PLACED IN THE 5ESS GSM MSC OFFICE "USER AREA" AND MUST BE PLUGGED INTO PROTECTED LOCAL STYLE POWER. X 31. THE QUANTITY OF ETHERNET HUBS AND ASSOCIATED INTERCONNECTING CABLES IS TO BE DETERMINED BY THE NUMBER OF CABINETS OF IWF EQUIPMENT (SHELVES) IN A PARTICULAR 5ESS MSC OFFICE. X 32. IN ORDER TO SET IP ADDRESSES IN THE SYSTEM MANAGEMENT CONTROLLER (SMC) CARD UPON INITIAL IWF SHELF INSTALLATION AND "POWER UP" IT IS NECESSARY TO CONNECT AN RS-232, 9 PIN (RECEPTACLE CONNECTOR ON THE PC SIDE) TO A 25-PIN ( PIN TYPE END ON THE IWF SHELF SIDE) CABLE. THE PIN LAYOUT FOR THE ABOVE RS-232 CABLE IS AS FOLLOWS: ----- (9-PIN END)PIN #1 TO (25-PIN END)PIN #8 PIN #2 TO PIN #3 PIN #3 TO PIN #2 PIN #4 TO PIN #20 PIN #5 TO PIN #7 PIN #6 TO PIN #6 PIN #7 TO PIN #4 PIN #8 TO PIN #5 PIN #9 TO PIN #22 ----- THIS CABLE IS AN X-DIMENSION CABLE AND IS CONNECTED FROM THE PC IN THE 5ESS MSC OFFICE "USER AREA" TO THE SM CABINET LINEUP WHERE THE IWF FRAME WOULD BE. THIS CABLE WOULD HAVE TO BE MOVED AROUND WITHIN THE CABINET LINEUP IF AND WHEN ADDITIONAL IWF CABINETS ARE INSTALLED INTO THE OFFICE. X 33. THE 8 PORT ETHERNET HUB IS CONNECTED TO THE PC/3COM 3C509B-COMBO ETHERNET CARD BY A TWISTED PAIR RJ45 CABLE (2 METERS IN LENGTH). ADDITIONAL ETHERNET HUBS (TO BE DETERMINED BY THE NUMBER OF IWF CABINETS IN A PARTICULAR 5ESS MSC OFFICE) ARE TO BE LINKED BY A TWISTED PAIR RJ45 CABLE (2 METERS IN LENGTH) AND PLACED IN STACK POSITION. X 34. THE 8 PORT ETHERNET HUB IS CONNECTED TO EACH IWF SHELF (SPECIFICALLY TO THE SMC CARD) BY A TWISTED PAIR RJ45 CABLE. THESE CABLES ARE X-DIMENSION IN LENGTH, DEPENDENT ON THE DISTANCE FROM WHERE THE OAM&P PC FOR THE IWF RESIDES IN THE 5ESS MSC OFFICE "USER AREA" TO THE SHELVES IN THE IWF CABINET. X 35. OBTAIN THE LATEST ISSUE OF AN INTER IWF SETUP GUIDE (#401610510) FROM CIC. X 36. \$DISCARD SMOKY YELLOW 925 ACCESSWAY FRONT COVER IF SUPPLIED WITH ----- CONTINUED TO THE LEFT -----
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S H O P	I N S T P T	<b>MANUFACTURING NOTES</b>  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. IWF SHELVES SHALL BE GROWN IN THE FOLLOWING SEQUENCE: IWFU #0 AT EQL 028 IWFU #1 AT EQL 019 IWFU #2 AT EQL 045 IWFU #3 AT EQL 054 POWER SUPPLY SHELVES SHALL BE GROWN IN THE FOLLOWING SEQUENCE: IWFP #0 AT EQL 011 IWFP #1 AT EQL 062 X X 13. SHELVES SHALL BE MOUNTED SUCH THAT THE CENTER OF THE UNITS ARE LOCATED AT THE FOLLOWING EQLS: 062 IWF POWER SUPPLY #1 054 IWF SHELF #3 045 IWF SHELF #2 036 6 FAN BI-DIRECTIONAL FAN UNIT 028 IWF SHELF #0 019 IWF SHELF #1 011 IWF POWER SUPPLY #0 SEE FIGURES 2 AND 12 FOR INSTALLATION INFORMATION. X X 14. THE ALARM MULT IN THIS CABINET SHALL BE WIRED SUCH THAT ALL "NORMALLY CLOSED" RELAY CONTACTS ARE WIRED TOGETHER AND ALL "COMMON" RELAY CONTACTS ARE WIRED TOGETHER. THESE TWO CIRCUITS ARE THEN CONNECTED TO THE OAU SCAN POINTS. FOR SPECIFIC WIRING INFORMATION SEE FIGURES 5, 7, 13, AND 15. X 15. THE CABLE SUPPORT BARS SHALL BE LOCATED AT THE FOLLOWING EQLS: 009 015 024 032 041 050 058 061 X X 16. ED5D811-15, GROUP 8, AND 9 CABLES SHALL BE INSTALLED DOWN THE LEFT UPRIGHT AND ACROSS THE CABLE SUPPORT BAR AT THE LOWER EDGE OF THE APPROPRIATE SHELF TO THE CONNECTING SCREW. ED5D811-15, G10 CABLE SHALL BE ROUTED DOWN THE RIGHT UPRIGHT AND ACROSS THE CABLE SUPPORT BAR AT THE UPPER EDGE OF THE FAN UNIT TO THE APPROPRIATE LUGS. THE ALARM WIRING SHALL BE ROUTED ACROSS THE CABLES SUPPORTS AT THE LOWER EDGE OF EACH SHELF AND ALONG THE RIGHT UPRIGHT. THE NETWORK CONNECTION AND SCAN CABLES (ED5D811-11, GROUPS 1, 2, 3, 4 & 5) SHALL BE ROUTED DOWN THE RIGHT UPRIGHT AND ACROSS THE CABLE SUPPORT BARS OF THE APPROPRIATE IWF SHELF TO THE CORRECT JACK. X 17. FUSE PANEL PATCH LABELS FOR THE FAN UNIT FUSES SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS: FAN A 014B FAN B 032A FAN C 032B ----- CONTINUED TO THE LEFT -----
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SEE PROPRIETARY NOTICE ON SHEET ONE	
BT13	
5ESS SWITCHING EQUIPMENT SPECIFICATION FOR INTERWORKING FUNCTION (IWF)	
DWG SIZE C2	ISSUE 10
LUCENT TECHNOLOGIES INC	ED5D811-31
SHEET OF	D1 24

STOCKLIST									
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE		
							SYM	NBR	
1000	1	1	847265733		ASSEMBLY, FRAME				
1005	1	4	901249177		LABEL, DESIGNATION			23	
1010	2	1	847513470		KIT, SAFETY			24	
1020	3	1	847265741		KIT, CABINET DOOR ASSY(NON-EMC) 5ESS			71	
1021	3	1	847337557		KIT, JUNCTION NON-UNITIZED (NEMC)				
1030	4	1	847265766		KIT, INDICATOR (FAN/FUSE, NEMC)				
1040	5	1	847306628		KIT, INDICATOR (BLANK, NEMC)				
1050	6	8	847325883		KIT, IIN CABLE SUPPORT			15	
1051	6	8	843087073		SUPPORT, CABLE			15	
1052	6	16	901271031		SCREW, HEXAGONAL WASHER #M6X16 PHILLIPS ACR 2				
1060	7	1	847265758		KIT, CABINET DOOR ASSY (EMC) 5ESS				
1061	7	1	847337573		KIT, JUNCTION NON-UNITIZED (EMC)				
1070	8	1	847272861		KIT, INDICATOR (FAN/FUSE, EMC)				
1080	9	1	847306636		KIT, INDICATOR (BLANK, EMC)				
1090	10	1	847272879		KIT, EMC FRAME ADDITION				
1100	11	1	847705472		KIT, CABLE			16	
1110	12	1	847304060		ASSEMBLY, SHELF			21	
1111	12	1	J5D003FH-2,L1, L2,LA,LG,LK,LL, LN		UNIT, FAN			66	
1112	12	1	J5D003FH-2,L1, L2,LA,LG,LK,LN		UNIT, FAN				
1120	13	1	847705431		KIT, MOUNTING				
1130	14	1	847354834		CONFIGURATION, MODULAR FUSE/FILTER UNIT			67	
1131	14	1	J5D003FJ-1,L127, LN,LCH,LCK		UNIT, MODULAR, FUSE/FILTER				
1132	14A	1	J5D003FJ-1,L108, LBE,LCH,LCK,LDB		UNIT, MODULAR, FUSE/FILTER				
1133	14A	1	847802634		LABEL, INFORMATION MAR-TEK INDUSTRIES				
1134	14A	1	847802659		LABEL, CAUTION MAR-TEK INDUSTRIES				
1135	14A	1	846917284		LABEL, CAUTION				
1140	15	1	407545292		SOFTWARE #6ENGL002 GSM/IWF SOFTWARE				
1150	16	1	407303171		CONTROLLER, SYSTEM MANAEGMENT CONTR. #6102519600010 MOTOROLA				
1151	16A	1	407754589		PACK,CIRCUIT #01R04390J01 SMC SYS. MANAGEMENT CONTR. MOTOROLA		X		73
1160	17	1	407303130		PACK,CIRCUIT #6456526000010 LIU E1 MOTOROLA				
1161	17A	1	407754597		PACK,CIRCUIT #01R04389J01 LIU LINK INTERFACE UNIT MOTOROLA		X		73

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

ED5D811-31

STOCKLIST									
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE		
							SYM	NBR	
1170	18	1	407539063		PACK,CIRCUIT #6209542800010 V.34 DHM MODEM MOTOROLA				
1171	18A	1	407754563		PACK,CIRCUIT #01R04386J01 DHM DUAL HYBRID MODEM MOTOROLA				73
1172	18B	1	407754613		PACK,CIRCUIT #01R04387J01 DHM-E DUAL HYBRID MODEM MOTOROLA			X	73
1180	19	1	407545276		PACK,CIRCUIT #6456526200020 DUAL PORT IWF COMPUTER 5ESS				
1181	19A	1	407754571		PACK,CIRCUIT #01R04388J01 IWF-2 INTERWORKING FUNC. MOTOROLA			X	73
1190	20	1	407549930		PACK,CIRCUIT, PLUG-IN POWER SUPPLY #6500417800010 MOTOROLA				
1191	20A	1	407754605		PACK,CIRCUIT #01R04306J01 48VDC POWER MODULE MOTOROLA			X	73
1192	20B	1	407757319		PACK,CIRCUIT #01R04392J01 48VDC POWER MODULE (R2) MOTOROLA			X	73
1200	F1	1	847707338		KIT, SHELF				*/
1210	F2	1	847323532		KIT, FINAL ASSEMBLY				
1211	F2	1	J5D003FH-2, LN		UNIT, FAN				
1220	F3	1	847707320		KIT, SHELF				*/
1230	F4	1	847749819		KIT, FINAL ASSEMBLY				
1240	F4A	1	847810546		KIT, FINAL ASSEMBLY				
1400	11	1	ED5D811-15,G8		ASSEMBLY, CABLE				16 19
1410	11	1	ED5D811-15,G9		ASSEMBLY, CABLE				16 19
1420	11	1	ED5D811-15,G10		ASSEMBLY, CABLE				16 19
1430	11	6	ED5D507-17,G130		ASSEMBLY, CABLE				19 21
1440	11	6	901271031		SCREW, HEXAGONAL WASHER #M6X16 PHILLIPS ACR 2				
1450	11 14A	1 1	ED5D734-14,G11 G11		CABLE, MFFU POWER & ALARM				
1500	21,22	2	407754860		ASSEMBLY, SHELF #D3213A MOTOROLA			X	
1501	21A,22A	2	407754878		ASSEMBLY, SHELF #D3213B MOTOROLA				28 29 37 38
1510	21,22	1	407754886		ASSEMBLY, SHELF #01R04249J01 MOTOROLA			X	

STOCKLIST CONTINUED ON SHEET D3

SEE PROPRIETARY NOTICE ON SHEET ONE	
BT13	
5ESS SWITCHING EQUIPMENT SPECIFICATION FOR INTERWORKING FUNCTION (IWF)	
DWG SIZE C2	ISSUE 10
LUCENT TECHNOLOGIES INC	ED5D811-31
SHEET OF	D2 24

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1511	21A,22A	1	407754894		ASSEMBLY, SHELF #01R04231J01 MOTOROLA			28
1520	21	1	ED5D811-15,G9		ASSEMBLY, CABLE		X	
1530	22	1	ED5D811-15,G8		ASSEMBLY, CABLE		X	
1540	12	1	ED5D811-15,G10		ASSEMBLY, CABLE			
1550	21A,22A	2	ED5D507-17,G130		ASSEMBLY, CABLE			
1551	21A,22A	1	ED5D507-17,G131		ASSEMBLY, CABLE			
1552	21,22	3	ED5D507-17,G130		ASSEMBLY, CABLE		X	
1560	21,22	1	814664488	P46F448	WIRE 24BU BLW&BLZW			25
1561	21,22	1	814615837	P46A583	WIRE 24GA,BU TYPE WIRE,W-BL/BL-W DIM= 6 FT.		X	25
1570	21,22	1	406599324	WP92458L11	FUSE, 10.0 AMP VERY FAST ACTING		X	
1575	21A,22A	2	406599324	WP92458L11	FUSE, 10.0 AMP VERY FAST ACTING			
1580	21,22	1	601820004	ED5D088-12,G224	EQUIPMENT, FUSE LABEL		X	
1590	21,22	1	843743105		WIRE 26GA DP 3 BL			26
1600	21,22	1	843743154		WIRE 26GA DP 3 W		X	26
1610	21,22	1	843743113		WIRE 26GA DP 3 O		X	26
1620	21,22	1	814664488	P46F448	WIRE 24BU BLW&BLZW			26
1621	21,22	1	814615837	P46A583	WIRE 24GA,BU TYPE WIRE,W-BL/BL-W		X	26
1622	21A	2	400853586	KS19195L1	WIRE 26GA G DIM=X			
1623	22A	4	400853586	KS19195L1	WIRE 26GA G DIM=X			
1630	21A	4	847695194		BRACKET, MOUNTING #5ESS			
1631	21	4	847695194		BRACKET, MOUNTING #5ESS		X	
1640	21	4	847731221		BRACKET, MOUNTING		X	
1650	21A,22A	2	847774775		BRACKET, MOUNTING			27
1660	21	40	901271031		SCREW, HEXAGONAL WASHER #M6X16 PHILLIPS ACR 2		X	
1661	21A	36	901271031		SCREW, HEXAGONAL WASHER #M6X16 PHILLIPS ACR 2			
1662	22	12	901271031		SCREW, HEXAGONAL WASHER #M6X16 PHILLIPS ACR 2		X	
1663	22A	16	901271031		SCREW, HEXAGONAL WASHER #M6X16 PHILLIPS ACR 2			
1670	21,22	4	901104307		SCREW, HEXAGON WASHER HEAD .112-40 X 1/2 IN. SEMS		X	
1671	21A,22A	1	901352302		SCREW, THREAD ROLLING			38
1672	21A,22A	1	901352724		WASHER, HELICAL SPRING			38
1680	21A	1	ED5D811-15,G11,G12,G16		ASSEMBLY, CABLE			

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1685	22A	1	ED5D811-15,G13,G14,G16		ASSEMBLY, CABLE			
1690	23	1	407754621		PACK,CIRCUIT #MDLN6035A IWF-DHM ELEMENTS DHM DUAL HYBRID MODEM IWF-2 INTERWORKING FUNC. MOTOROLA			S
1700	23A	1	407754639		PACK,CIRCUIT #MDLN6035B IWF-DHM-E ELEMENTS DHM-E DUAL HYBRID MODEM IWF-2 INTERWORKING FUNC. MOTOROLA			X/
1720	21A	1	ED5D088-12,G250		LABELS, FUSE			
1722	21A	1	ED5D088-12,G252		LABELS, FUSE			
1725	22A	1	ED5D088-12,G251		LABELS, FUSE			
1727	22A	1	ED5D088-12,G253		LABELS, FUSE			
1730	1	4	901249177		LABEL, DESIGNATION			71
1740	A	4	407790187		PACK,CIRCUIT #01R04298J01 DHM REAR PANEL SEGMENT MOTOROLA			X
1750	A	4	407790195		PACK,CIRCUIT #01R04296J01 IWF REAR PANEL SEGMENT MOTOROLA			X
1760	A	8	407790724		PLATE, BLANK PANEL, FRONT 1 SLOT #01R04270J01 MOTOROLA			X
1770	A	6	407794171		CABLE ASSEMBLY, COMPUTER #01R04297J01 MOTOROLA			X

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

TABLE D1

STOCKLIST FOR FASKIT 847707338 ISS: 4 CERTIFIED			
QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION
8	901271031		SCREW, HEXAGONAL WASHER #M6X16 PHILLIPS ACR 2
1	407545284		SUPPLY, POWER, AC &/OR DC INPUT WITH CD #6200510200010
1	406747568	WP92458L11	FUSE, 10.0 A 250 V
1	601820004	ED5D088-12,	EQUIPMENT, FUSE LABEL
1	843743105		WIRE 26GA DP 3 BL
1	843743154		WIRE 26GA DP 3 W
1	843743113		WIRE 26GA DP 3 O
1	407543024		ASSEMBLY, SHELF #6200580000010

\*\*\* CONTINUED \*\*\*

SEE PROPRIETARY NOTICE ON SHEET ONE					
BT13					
5ESS SWITCHING EQUIPMENT SPECIFICATION FOR INTERWORKING FUNCTION (IWF)					
DWG SIZE C2	ISSUE 10				
<table border="1"> <tr> <td>ED5D811-31</td> <td>LUCENT TECHNOLOGIES INC</td> <td>ED5D811-31</td> <td>SHEET OF D3 24</td> </tr> </table>	ED5D811-31	LUCENT TECHNOLOGIES INC	ED5D811-31	SHEET OF D3 24	
ED5D811-31	LUCENT TECHNOLOGIES INC	ED5D811-31	SHEET OF D3 24		

\*\* CONTINUED \*\*

TABLE D1

QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION
1	814664488	P46F448	MOTOROLA WIRE 24BU BL1W&BL2W
4	901104307		SCREW, HEXAGON WASHER HEAD .112-40 X 1/2 IN. SEMS

STOCKLIST FOR FASKIT 847323532 ISS: 6 CERTIFIED

QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION
2	846614766		BRACKET, MOUNTING
11	901271031		SCREW, HEXAGONAL WASHER #M6X16 PHILLIPS ACR 2
6	406693895	WP91768L108	FUSE, 3.00 AMP FAST ACTING
1	ED5D088-12,G39		DESCRIPTION NOT AVAILABLE
1	ED5D088-12,G40		DESCRIPTION NOT AVAILABLE
1	ED5D088-12,G41		DESCRIPTION NOT AVAILABLE
1	ED5D088-12,G46		DESCRIPTION NOT AVAILABLE
1	ED5D088-12,G47		DESCRIPTION NOT AVAILABLE
1	ED5D088-12,G48		DESCRIPTION NOT AVAILABLE
2	997244439		BUSHING, SNAP #SB-750-10 HEYMAN MFG CO.
2	901314070		SCREW, PAN HEAD, SCREW MACHINE #QSN93280 M6 X 16MM LG, STEEL, ACR2 ZINC OLIVE DRAB CHROMATE QUALITY SCREW CO.
2	901314476		WASHER, LOCK #QSN93279 EXTERNAL TOOTH
2	901314484		NUT, HEXAGONAL FLAT #QSN93281 M6 X 5MM THK, STEEL
1	847093572		BAR, TIE
1	847336609		KIT, AIR DEFLECTOR PLATE

STOCKLIST FOR FASKIT 847707320 ISS: 3 CERTIFIED

QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION
4	901271031		SCREW, HEXAGONAL WASHER #M6X16 PHILLIPS ACR 2
1	407543024		ASSEMBLY, SHELF #6200580000010 MOTOROLA
1	814664488	P46F448	WIRE 24BU BL1W&BL2W

STOCKLIST FOR FASKIT 847749819 ISS: 2 CERTIFIED

QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION
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\*\*\* CONTINUED \*\*\*

\*\* CONTINUED \*\*

TABLE D1

CODE	IDENTIFIER	CODE	DESCRIPTION
1	847212867		ASSEMBLY, PANEL
1	847393394		LABEL, INFORMATION

1	846917284		LABEL, CAUTION
1	847393410		LABEL, CAUTION

STOCKLIST FOR FASKIT 847810546 ISS: 2 CERTIFIED

QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION
1	847212867		ASSEMBLY, PANEL
1	847802634		LABEL, INFORMATION MAR-TEK INDUSTRIES
1	847802659		LABEL, CAUTION MAR-TEK INDUSTRIES
1	846917284		LABEL, CAUTION

SEE PROPRIETARY NOTICE ON SHEET ONE

BT13

5ESS SWITCHING EQUIPMENT  
SPECIFICATION FOR  
INTERWORKING FUNCTION (IWF)

DWG SIZE C2 ISSUE 10