

ISSUE NOTES (CONTINUED)				
REFERENCE CN94520NW, THIS IS A CONDITIONAL CLASS A CHANGE THAT APPLIES TO THE KLULB. ST ITEM 1081 CHGD TO UPDATE CLEI CODE INFORMATION FOR THE KLULB.				
ORIG ISS: 10/03/96 NDD NBR: NONE CHANGE CLASS: AC				
DRAFT: WAM	ENGR: WAM	SUPV: FNG	CERTIFIED: 07/22/99	ISSUE: 11
CASE H8653. TBL A, ADD LIST 15 (BKD10). ADD SL ITEM 1125 (BKD10). ADD BKD2 TO ENG NOTE 64. ADD ENG NOTE 81 FOR BITS TIMING. ADD ENG NOTE 82 FOR BKD10 EQUIPAGE. ENG NOTE 499 UPDATED TO INCLUDE CABLE DWGS ED5D765-11 & ED5D765-17. TBL A, LIST 12 UPDATED TO SPECIFY PDXU WITH ST2 FIBER OPTIC CONNECTION. TBL A, LIST 14 UPDATED TO SPECIFY E1 AND T1 RATE. SH B1, REPLACE TOP TWO TRAYS (847662194) WITH TOWEL BARS (847169208). SH D1, ADD REF TO CABLE SUPPORTS IN MFG NOTE 14.				
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ORIG ISS: 10/03/96 NDD NBR: NDD5D003NW-1004 CHANGE CLASS: ME				
DRAFT: WAM	ENGR: WAM	SUPV: FNG	CERTIFIED: 10/08/99	ISSUE: 12
CHANGE TAG # H8795, CASE # H09017. TBL A, ADDED L16 (BKD11). EXPANDED ON ENG NOTES 60 & 82. ADDED ST ITEM 1135. TBL A, L16 ADD REFERENCE TO ENG NOTE 60. ADDED ENG NOTE 83. SL ITEM 1125 ADD REFERENCE TO MFG NOTE 15. CHGD ENG NOTE 57 FROM RESERVED TO NOTE FOR 7R/E APPLICATIONS. ADDED BKD11 FIBER CABLING INFORMATION TO ENG NOTE 499. ADDED 7R/E TO ENG NOTE 499 TO INCLUDE EXTERNAL TIMING INFORMATION. TBL A, MODIFIED L9, 14 & 16.				
ORIG ISS: 10/03/96 NDD NBR: WS0000027 CHANGE CLASS: B				
DRAFT: WAM	ENGR: WAM	SUPV: FNG	CERTIFIED: 03/10/00	ISSUE: 13

ISSUE NOTES (CONTINUED)				
CASE#: H8131, CHANGE TAG: CHEETAH. MOVE ENGINEERING NOTE INFORMATION FROM NOTES 53, 57, 59, 65, 67 & 69 INTO ENGINEERING NOTE 499. CHANGE ENGINEERING NOTES 53, 57, 59, 65, 67 & 69 TO RESERVED. REMOVE ENGINEERING NOTE 63 & CHANGE TO RESERVE. DA LIST D21 & REMOVE FROM ENGINEERING NOTE 74. ADD ENGINEERING NOTES 75-79, 499 & 500 PER CHEETAH REQUIREMENTS. REFERENCE ENGINEERING NOTE 78 IN LIST 1 & 2. REFERENCE ENGINEERING NOTE 500 IN LISTS 3-6, 7A, 8A, 9-14, D22, E1, F1-F4, G1-G4, K1 & K2. REMOVE MANUFACTURING NOTE 17 & CHANGE TO RESERVED. ADD MANUFACTURING NOTES 20, 22-30 PER CHEETAH REQUIREMENTS. DA LISTS B1-B7, D1-D4. LINEOUT STOCKLIST ITEMS 1170-1245. REMOVE TABLES D1, D4-D8. ADD TABLES D9 & LIST F5. ADD STOCKLIST ITEM 1295, LIST F5.				
ORIG ISS: 10/03/96 NDD NBR: NDD5D003NW-837 CHANGE CLASS: ME				
DRAFT: WAM	ENGR: WAM	SUPV: FNG	CERTIFIED: 10/30/98	ISSUE: 8
CASE#: H8131, ADVANCED ADDITIONAL CHANGE TAG INFORMATION "8W0" THAT DID NOT COME ACROSS ON PREVIOUS ISSUE 8 FOR CHEETAH/OIR. MOVE ENGINEERING NOTE INFORMATION FROM NOTES 53, 57, 59, 65 & 69 INTO ENGINEERING NOTE 499. CHANGE ENGINEERING NOTES 53, 57, 59, 65, 67 & 69 TO RESERVED. REMOVE ENGINEERING NOTE 63 & CHANGE TO RESERVE. DA LIST D21 & REMOVE REFERENCE FROM ENGINEERING NOTE 74. ADD ENGINEERING NOTES 75-79 PER CHEETAH REQUIREMENTS. REFERENCE ENGINEERING NOTE 78 IN LIST 1 & 2. REFERENCE ENGINEERING NOTE 500 IN LISTS 4-6, 7A, 8A, 10-14, D22, E1, F1-F4, G1-G4, K1 & K2. REMOVE MANUFACTURING NOTE 17 & CHANGE TO RESERVED. ADD MANUFACTURING NOTES 20, 22-30 PER CHEETAH REQUIREMENTS. DA LISTS B1-B7, D1-D4. LINEOUT STOCKLIST ITEMS 1170-1245. REMOVE TABLES D1, D4-D8. ADD TABLES D9 & LIST F5. ADD STOCKLIST ITEM 1295, LIST F5. GRAPHIC SHEETS B1-B4 CONVERTED TO PRO-E CAD TOOL, SHEET INDEX B1-B4 UPDATED TO ISSUE 9.				
ORIG ISS: 10/03/96 NDD NBR: NDD5D003NW-837 CHANGE CLASS: ME				
DRAFT: WAM	ENGR: WAM	SUPV: FNG	CERTIFIED: 11/02/98	ISSUE: 9
CASE# H8391, CHANGE TAG UM74D. ADD LIST 3A & STOCKLIST ITEM 1031 (UM74D CIRCUIT PACK). DISCONTINUE AVAILABILITY OF LIST 3 UM74C. ADD ENGINEERING NOTE 80 FOR TRCU3 LINKS. REFERENCE ENGINEERING NOTE 80 IN LIST 9. MANUFACTURING NOTE 26, ADD BRACKET NEXT TO LIST 3 (). TABLE D9, LIST 1 CHANGE REFERENCE NOTE 22 TO 23. TABLE D9, LIST 2 CHANGE REFERENCE NOTE 23 TO 22. TABLE D9 ADD LIST 3A (UM74D) LABEL INFORMATION. ADD LIST D5, UM74D LABEL INFORMATION. PREVIOUS ISSUE NOTE 9 READ INCORRECTLY "REMOVE TABLE D1", TABLE D1 STILL EXIST AS PART THIS DRAWING.				
ORIG ISS: 10/03/96 NDD NBR: NDD5D003NW-928 CHANGE CLASS: B				
DRAFT: WAM	ENGR: WAM	SUPV: FNG	CERTIFIED: 11/23/98	ISSUE: 10

ISSUE NOTES				
INITIAL RELEASE OF THE TSU4-2 (J5D003NB-2) FOR PRODUCTION.				
ORIG ISS: 10/03/96 NDD NBR: NDD5D003NW-655 CHANGE CLASS: ME				
DRAFT: WAM	ENGR: WAM	SUPV: FNG	CERTIFIED: 10/03/96	ISSUE: 1
KLULB (LIST 8A) ADDED, REQUIRED WITH XCDU (J5D003NF-1). LIST 8 DA'D. GRAPHIC SHEET B2 UPDATED TO ADD ADDITIONAL INFORMATION TO WIRING SIDE LABEL OF TSU4-2. LIST D21 & D22 (KLULB PATCH LABEL) ADDED. REFERENCE ENGINEERING NOTES 73 & 74. RELEASED NEW VERSION OF BACKPLANE (ED5D814-30G3AB) UPPER SHELF, RESOLVES FACTORY DFM ISSUE.				
ORIG ISS: 10/03/96 NDD NBR: NDD5D003NW-762 CHANGE CLASS: B				
DRAFT: WAM	ENGR: WAM	SUPV: FNG	CERTIFIED: 03/21/97	ISSUE: 2
REFERENCE CN74526NW, THIS IS A CLASS AC CHANGE THAT APPLIES TO THE 486AA POWER CONVERTER CIRCUIT PACKS SERIES 4, 5, 6 AND SHOULD BE UPDATED TO SERIES 7. SERIES 1, 2 & 3 ARE NOT AFFECTED BY THIS CHANGE.				
ORIG ISS: 10/03/96 NDD NBR: NONE CHANGE CLASS: AC				
DRAFT: WAM	ENGR: WAM	SUPV: FNG	CERTIFIED: 05/13/97	ISSUE: 3
REFERENCE CN74526.1NW, THIS IS A CLASS AC CHANGE THAT APPLIES TO THE 486AA POWER CONVERTER CIRCUIT PACKS SERIES 4, 5, 6 & 7 SHOULD BE UPDATED TO SERIES 8. SERIES 1, 2 & 3 ARE NOT AFFECTED BY THIS CHANGE.				
ORIG ISS: 10/03/96 NDD NBR: NONE CHANGE CLASS: AC				
DRAFT: WAM	ENGR: WAM	SUPV: FNG	CERTIFIED: 10/14/97	ISSUE: 4
DISCONTINUE (DA) 410AA POWER CONVERTER, LIST 7, REPLACE WITH LIST 7A, 410AA2. REFERENCE CASE H8270.				
ORIG ISS: 10/03/96 NDD NBR: NDD5D020NW-133 CHANGE CLASS: ME				
DRAFT: WAM	ENGR: WAM	SUPV: FNG	CERTIFIED: 12/12/97	ISSUE: 5
INCORPORATE POINT ISSUE CHANGE 5.1, CHANGE STOCKLIST ITEM 1203 FROM A QTY:2 TO QTY:1. CHANGE SHEET B1, WIRING SIDE VIEW, SHELF EQL 62 CHANGED TO EQL 61 & MOVED (2) TRAYS TO LOWER HOLES. ENGINEERING NOTE 70 - REMOVED REFERENCE DRAWING ED5D734-40.				
ORIG ISS: 10/03/96 NDD NBR: NDD5D003NW-901 CHANGE CLASS: ME				
DRAFT: WAM	ENGR: WAM	SUPV: FNG	CERTIFIED: 05/11/98	ISSUE: 6
REFERENCE CN84509NW, THIS IS A CONDITIONAL CLASS A CHANGE THAT APPLIES TO THE UM74C.				
ORIG ISS: 10/03/96 NDD NBR: NONE CHANGE CLASS: AC				
DRAFT: WAM	ENGR: WAM	SUPV: FNG	CERTIFIED: 06/03/98	ISSUE: 7

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ISSUE					
SHT NBR	D1 THRU D3				ISSUE 16
ISSUE					
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LUCENT TECHNOLOGIES - PROPRIETARY USE PURSUANT TO COMPANY INSTRUCTIONS			
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5ESS SWITCHING EQUIPMENT SPECIFICATIONS FOR TIME SLOT INTERCHANGE UNIT MODEL 4, VERSION 2			
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LUCENT TECHNOLOGIES INC			J5D003NB-2
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ENGINEERING NOTES

***** CONTINUED *****

NLI'S ARE ALWAYS ORDERED IN MULTIPLES OF FOUR AND EQUIPPED TWO PER SIDE. THE FIRST QUANTITY OF TWO NLI'S PER SIDE ARE ALWAYS REQUIRED FOR THE PRIMARY NETWORK LINKS ON STANDARD SM CONFIGURATIONS AND EQUIPPED IN THE FOLLOWING POSITIONS:

	SIDE 0	SIDE 1
TSIS 0	13-29-100 13-29-132	13-111-100 13-111-132

NETWORK LINKS FOR EXM2000 AND CM2C ARE PROVIDED BY OTHER PACKS AND BKD1/BKD11'S ARE NOT REQUIRED. NO NETWORK LINKS AT ALL ARE REQUIRED FOR VCDX/SM2000 CONFIGURATIONS. PORTS 2 AND 3 ON TSIU 0 IN VCDX APPLICATIONS CANNOT BE ASSIGNED FOR XDX LINK OR PLI EQUIPAGE, AND ARE LEFT UNUSED.

FOR ADDITIONAL EQUIPAGE BEYOND THE PRIMARY NETWORK LINKS, IT IS REQUIRED THAT NLI'S BE EQUIPPED IN EVEN/ODD PORT PAIRS PER SLICE KLU1(B) PER SIDE.

THE ALLOWABLE RELEASE 1 SQUARED SM NLI EQUIPAGE POSITIONS ARE AS FOLLOWS:

	SIDE 0	SIDE 1
TSIS 1	04-037-100 04-037-132 13-037-100 13-037-132	04-119-100 04-119-132 13-119-100 13-119-132
TSIS 2	04-045-100 04-045-132	04-127-100 04-127-132

FOR SM2000 RELEASE 2 AND NON-SQUARE SM CONFIGURATIONS, ADDITIONAL TSIS PORT EQUIPAGE BEYOND THE PRIMARY NETWORK LINKS DEPENDS ON PERIPHERAL AND XDX LINKS REQUIRED. TSIS PORTS AVAILABLE FOR MIXED ASSIGNMENT TO NETWORK, PERIPHERAL, OR XDX LINKS ARE AS FOLLOWS:

	SIDE 0	SIDE 1
TSIS 1	04-037-100 04-037-132 13-037-100 13-037-132	04-119-100 04-119-132 13-119-100 13-119-132
TSIS 2	04-045-100 04-045-132 13-045-100 13-045-132	04-127-100 04-127-132 13-127-100 13-127-132
TSIS 3	04-053-100 04-053-132 13-053-100 13-053-132	04-135-100 04-135-132 13-135-100 13-135-132
TSIS 4	04-061-100 04-061-132 13-061-100 13-061-132	04-143-100 04-143-132 13-143-100 13-143-132
TSIS 5	04-069-100 04-069-132 13-069-100 13-069-132	04-151-100 04-151-132 13-151-100 13-151-132
TSIS 6	04-077-100 04-077-132 13-077-100 13-077-132	04-159-100 04-159-132 13-159-100 13-159-132
TSIS 7	04-085-100 04-085-132 13-085-100 13-085-132	04-167-100 04-167-132 13-167-100 13-167-132
TSIS 8	04-093-100 04-093-132 13-093-100 13-093-132	04-175-100 04-175-132 13-175-100 13-175-132
TSIS 9	04-101-100 04-101-132 13-101-100 13-101-132	04-183-100 04-183-132 13-183-100 13-183-132

IN GENERAL, TSIU4 SERVICE GROUP 0 AND SERVICE GROUP 1 WIRING SIDE EQUIPAGE MUST BE IDENTICAL. LINE ENGINEER TO FURNISH TSIS PORT EQUIPAGE INFORMATION TO SHOP FOR TSIU4 WIRING SIDE DESIGNATION LABEL STAMPING.

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

ENGINEERING NOTES

- 51. INFORMATION FURNISHED PER THIS DRAWING IS IN ACCORDANCE WITH LUCENT PRACTICES-NONE.
- 52. THIS DOCUMENT CONTAINS COMPLETE ENGINEERING INFORMATION FOR THE SUBJECT EQUIPMENT.
- 53. RESERVED

- 54. LISTS 1 AND 2, EACH WITH THEIR ASSOCIATED LIST ITEMS, ARE INDEPENDENT SHELVES FOR ORDERING AND MANUFACTURING PURPOSES. BOTH ARE REQUIRED FOR A COMPLETE TSIU4-2 UNIT.

OFFICES EQUIPPED WITH TSIU4-2 REQUIRE ONE OF THE FOLLOWING (OR LATER) SOFTWARE VERSIONS INSTALLED: 5EE7.1(SU), 5EE8.1(SU), 5EE9.1(SU), 5E10(SU), 5E11(SU).

- 55. FOR SM2000 RELEASE 1, THE MAXIMUM NUMBER OF TSIS CIRCUIT PACKS PER SIDE IS FOUR (4). FOR RELEASE 2 THE MAXIMUM NUMBER OF TSIS CIRCUIT PACKS PER SIDE IS TEN (10).
- 56. FOR SM2000 RELEASE 1, THE MAXIMUM NUMBER OF NLI'S PADDLE BOARDS PER SIDE IS EIGHT (8). FOR RELEASE 2 THE MAXIMUM NUMBER OF NLI PADDLE BOARDS PER SIDE IS TWENTY (20).

- 57. WHEN THE TSIU4-2 IS USED IN 7R/E APPLICATIONS, THE TSIU4-2 IS EQUIPPED PER TABLE A FEATURES TO THE MINIMUM REQUIRED LISTS. BASIC CIRCUIT PACK EQUIPAGE IN THE TSIU4-2 FOR 7R/E APPLICATIONS CONSISTS OF THE FOLLOWING:

CIRCUIT PACK	QTY	CIRCUIT PACK	QTY
486AA POWER UNIT	2	KLU1 (TSIS)	2
410AA POWER UNIT	2	982AAB (CBT)	2
UM74C (TSICOM)	2	UN553 (XDX)	2
BKD4 (CTSNC)	2		

ADDITIONAL GROWTH IS ALLOWABLE PER 7R/E REQUIREMENTS.

- 58. FOR SM2000 RELEASE 1 SQUARED SM CONFIGURATIONS, THE QUANTITY OF TSIS BOARDS (LIST 8, 8A) REQUIRED SHOULD BE DETERMINED PER THE FOLLOWING TABLE. THE QUANTITIES IN THIS TABLE ARE PER SHELF (INCLUDES SIDE 0 AND 1).

QTY OF XDX BOARDS (LIST 10)	QTY OF TSIS BOARDS (LIST 8) REQ'D
2	2
4	4
6	4
8	6
10	6
12	8

FOR NON-SQUARE SM CONFIGURATIONS, THE QUANTITY OF TSIS BOARDS (LIST 8, 8A) REQUIRED IS DETERMINED BY THE TOTAL NUMBER OF TSIS PORTS REQUIRED TO SUPPORT NETWORK AND PERIPHERAL LINKS AND XDX LINKS.

XDX BOARDS ARE EQUIPPED IN PAIRS IN THE FOLLOWING POSITIONS:

22-038	22-124
22-052	22-138
22-060	22-146
22-068	22-154
22-076	22-162
22-084	22-170

TSIS BOARDS ARE EQUIPPED IN PAIRS IN THE FOLLOWING POSITIONS:

04-029	04-111
04-037	04-119
04-045	04-127
04-053	04-135
04-061	04-143
04-069	04-151
04-077	04-159
04-085	04-167
04-093	04-175
04-101	04-183

- 59. RESERVED

- 60. TSIU4-2 NETWORK LINK INTERFACE (NLI) PACK EQUIPAGE FOR CM2/CM3 APPLICATIONS IS AS FOLLOWS:

TSIU4-2 PACK	WAVELENGTH	FIBER OPTIC CONN TYPE	CM	CM
BKD1	850 NM	ST TO ST	BKF1	CM2
BKD1	850 NM	ST TO SC	MMA2	CM3
BKD11	1300 NM	MTRJ TO MTRJ	MMA3	CM3

REFER TO TABLE A LIST 9 (BKD1) AND LIST 16 (BKD11).

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ISSUE NOTES (CONTINUED)

CASE# H09050. ADD REFERENCE TO OXU IN TBL A, L15. ADD REFERENCE TO OXU IN ENG NOTE 499 FOR ED5D872-11 OPTICAL CABLING. TBL A, ADD LF6. ENG NOTE 71, ADD REFERENCE TO LF6. ADD SL ITEM 1298. ADD ENG 84. TBL A, LG1 & LG2 ADDED REFERENCE "IN ADDITION TO LF6". ADD BKD10 & BKD11 LABEL INFORMATION TO GRAPHIC SHEET B2.

ORIG ISS: 10/03/96 NDD NBR: WS0000084 CHANGE CLASS: B

DRAFT: WAM ENGR: WAM SUPV: FNG CERTIFIED: 08/16/00 ISSUE: 14

CASE # H9207. TBL A EXPANDED ON DESCRIPTION TO INCLUDE 7R/E APPLICATIONS IN LISTS 9, 11, 12, 15, 16.

ORIG ISS: 10/03/96 CHANGE CLASS: ME

DRAFT: WAM ENGR: WAM SUPV: FNG CERTIFIED: 01/12/01 ISSUE: 15

REFERENCE CN# CA4505NW, THIS IS A CONDITIONAL CLASS A CHANGE THAT APPLIES TO THE UN553. ST ITEM 1100 CHGD TO UPDATE CLEI CODE INFORMATION FOR THE UN553.

ORIG ISS: 10/03/96 CHANGE CLASS: AC

DRAFT: WAM ENGR: WAM SUPV: FNG CERTIFIED: 04/27/01 ISSUE: 16

SEE PROPRIETARY NOTICE ON SHEET ONE

BT13

5ESS SWITCHING EQUIPMENT SPECIFICATIONS FOR TIME SLOT INTERCHANGE UNIT MODEL 4, VERSION 2

DWG SIZE C2 ISSUE 16

LUCENT TECHNOLOGIES INC J5D003NB-2

SHEET A2 OF 13

ENGINEERING NOTES

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3RD DUPLEX NCT2 LINK	13-037-100	6	13-119-100	6
	13-037-132	7	13-119-132	7
4TH DUPLEX NCT2 LINK	04-045-100	8	04-127-100	8
	04-045-132	9	04-127-132	9
5TH DUPLEX NCT2 LINK	13-045-100	10	13-127-100	10
	13-045-132	11	13-127-132	11
6TH DUPLEX NCT2 LINK	04-053-100	12	04-135-100	12
	04-053-132	13	04-135-132	13
7TH DUPLEX NCT2 LINK	13-053-100	14	13-135-100	14
	13-053-132	15	13-135-132	15
8TH DUPLEX NCT2 LINK	04-061-100	16	04-143-100	16
	04-061-132	17	04-143-132	17
9TH DUPLEX NCT2 LINK	13-061-100	18	13-143-100	18
	13-061-132	19	13-143-132	19
10TH DUPLEX NCT2 LINK	04-069-100	20	04-151-100	20
	04-069-132	21	04-151-132	21
11TH DUPLEX NCT2 LINK	13-069-100	22	13-151-100	22
	13-069-132	23	13-151-132	23
12TH DUPLEX NCT2 LINK	04-077-100	24	04-159-100	24
	04-077-132	25	04-159-132	25

81. THE USE OF THE BUILDING INTEGRATED TIMING SYSTEM (BITS) RESPONDS TO THE NEED OF THE CUSTOMER TO BE ABLE TO MAINTAIN FACILITIES IN SYNCHRONIZATION DURING STAND ALONE OPERATION OF THE REMOTE SWITCH. AN EXTERNAL TIMING SOURCE WITH A MINIMUM OF A STRATUM 3 CLOCK REFERENCE MUST BE SUPPORTED ON ALL EXM'S OR CLASSIC ORM'S AND IS CUSTOMER SUPPLIED.

THE EXM/ORM (SM) MAY NOT BE EXTERNALLY TIMED FROM THE TRCU3.

BITS TIMING CABLES TERMINATE TO THE TSU4-2 BACKPLANE AT THE FOLLOWING EQLS: 04-017-353, 13-017-353

FOR MOUNTING CUSTOMER SUPPLIED BITS CLOCK, REFERENCE MISCELLANEOUS CABINET DRAWING J5D005C-1, LIST 92, ENG NOTE 180.

82. PLI'S (BKD10 LIST 15) ARE EQUIPPED IN PAIRS, ONE PER SIDE, IN ANY AVAILABLE TSIS PORT EXCEPT THE RESERVED PRIMARY NETWORK LINK PORTS ON TSIS 0. SEE NOTE 60 FOR A LISTING OF ASSIGNABLE TSIS PORTS. PLI EQUIPAGE MUST BE IDENTICAL ON SERVICE GROUPS 0 & 1.

LINE ENGINEER TO FURNISH TSIS PORT EQUIPAGE INFORMATION TO SHOP FOR TSU4 WIRING SIDE DESIGNATION LABEL STAMPING.

83. NLI'S (BKD11 LIST 16) ARE EQUIPPED IN PAIRS, ONE PER SIDE, IN ANY AVAILABLE TSIS PORT. SEE NOTE 60 FOR A LISTING OF ASSIGNABLE TSIS PORTS. NLI EQUIPAGE MUST BE IDENTICAL ON SERVICE GROUPS 0 & SERVICE GROUP 1.

LINE ENGINEER TO FURNISH TSIS PORT EQUIPAGE INFORMATION TO SHOP FOR TSU4 WIRING SIDE DESIGNATION LABEL STAMPING.

84. FINAL ASSEMBLY KIT LIST F6 PROVIDES TWO ADDITIONAL CABLE SUPPORT TRAYS (847662194) AT SHELF EQL 61 TO BE USED IN PLACE OF TOWEL BARS. SOME EMEA CUSTOMERS (IN SPAIN) PREFER THE CABLE TRAYS AT SHELF POSITION 61. REFERENCE HARDWARE IMR 702709. THIS IS THE ONLY FINAL ASSEMBLY KIT THAT PROVIDES ADDITIONAL CABLE SUPPORT TRAYS AT SHELF EQL 61. OTHER KITS (NON APR APPLICATIONS) DO NOT PROVIDE ADDITIONAL CABLE SUPPORT TRAYS AT SHELF EQL 61.

499. REPLACEMENT APPARATUS BLANKS CAN BE ORDERED FROM ED5D868-30, 5ESS SWITCH COMMON USE HARDWARE AND MATERIAL.

FUSE LABELS FOR THE SM2000 SMC CABINET ARE ORDERED FROM DRAWING J5D003N-1.

EQL POSITIONS FOR FUSES IN THE J5D003FJ FUSE/FILTER UNIT ARE TO BE ASSIGNED PER CABLING DRAWING ED5D693-20. ALSO POWER CABLE HARNESS INFORMATION IS IN ED5D693-20 & ED5D734-15.

REFERENCE CABLE DRAWING ED5D618-40 FOR ORDERING INFORMATION FOR ELECTRICAL NLI (BKD3) LINKS TO TRCU2 ON EXM2000 CONFIGURATIONS.

CABLING FOR VCDX/SM2000/7RE OR EXM2000 EXTERNAL TIMING SOURCE LINK TO BITS OR CROSS CONNECT/REPEATER BAY CAN BE ORDERED FROM ED5D500-21. ALSO, EXTERNAL TIMING SOURCE LINK FOR VCDX/SM2000 TO DFI IN DLTU UNIT CAN BE ORDERED FROM ED5D500-21, ED5D765-11 & ED5D765-17.

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ENGINEERING NOTES

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70. FIRST XDX (XDX0) IN EACH SERVICE GROUP IS FIXED ASSIGNED TO PORT 1 OF TSU 0 IN EACH SERVICE GROUP. LOCATIONS OF THESE FIXED ASSIGNED LINKS ARE AS FOLLOWS:

LINK	CABLE EQLS	FROM	TO
XDX0/TSIS0	22-044-032, 04-029-032	22-130-032, 04-111-032	

XDX/TSIS LINK CABLES ARE USED TO CREATE ADDITIONAL LINKS BETWEEN TSIS PORTS AND XDX1 THRU XDX5 ON EACH SIDE AS REQUIRED. ANY AVAILABLE TSIS PORT MAY BE USED FOR XDX LINK ASSIGNMENT AS STATED IN NOTE 60. QUANTITY OF ONE XDX/TSIS CABLE REQUIRED FOR EACH OF THE THIRD THRU TWELFTH XDX PACKS (LIST 10). THESE XDX/TSIS LINK CABLES MUST BE EQUIPPED IN PAIRS. ANY GIVEN LINK MUST HAVE THE SAME EQUIPAGE ON EACH SERVICE GROUP. VARIABLE ASSIGNED XDX/TSIS CABLES ARE ORDERED PER ED5D734-10, TABLE D1.

71. LISTS F1,F2,F3,F4,F6 ARE MUTUALLY EXCLUSIVE. ONLY ONE MUST ALWAYS BE SPECIFIED IN ADDITION TO LIST 1. LISTS G1 & G2, AND G3 & G4, ARE MUTUALLY EXCLUSIVE. ONLY ONE PAIR MUST ALWAYS BE SPECIFIED IN ADDITION TO LIST 1 AND LIST 2.

72. TWO LIST B5 ALWAYS REQUIRED IN ADDITION TO LIST 1. ONE LIST B6 AND TWO LIST B1 AND EIGHT LIST B2 ALWAYS REQUIRED IN ADDITION TO LIST 2. THE TOTAL OF LIST 8 AND LIST B4 MUST EQUAL 20. THE TOTAL OF LIST 10 AND LIST B3 MUST EQUAL 12.

73. KLUB (LIST 8A) MUST BE EQUIPPED IN THE TSU4-2 FOR THOSE PORTS SUPPORTING TSI LINKS TO XCDU (J5D003NF-1). NON-XCDU PORTS CAN BE PROVIDED BY KLUB1 OR KLUB (LIST 8 OR 8A), WITH MIXING ALLOWED. SIDE 0 AND SIDE 1 TSIS EQUIPAGE SHOULD BE IDENTICAL.

TSI LINK CABLES FROM TSIS PORTS TO XCDU ARE ORDERED USING CAB2000.

74. LINE ENGINEER MUST PROVIDE EQL STAMPING INFORMATION FOR EACH LIST D22 PATCH LABEL (KLUB) ORDERED. REQUIRED TO SUPPORT XCDU (J5D003NF-1) TSI LINKS.

75. LOOSE DESIGNATION LABELS CAN BE ORDERED THROUGH THE CONTROLLING ED DRAWING ONLY. REFERENCE TABLE A, TABLE D9, ENGINEERING NOTES, AND MANUFACTURING NOTES IN THE J-DRAWINGS TO DETERMINE APPROPRIATE ED GROUPS.

76. ON ALL ORDERS, A HORIZONTAL EQL MUST BE SPECIFIED FOR EACH J LIST WHICH PROVIDES A CIRCUIT PACK EQUIPPED IN A MULTI-PURPOSE CIRCUIT PACK POSITION AND FOR EACH ASSOCIATED D() LABEL LISTS.

77. VERTICAL EQL MUST BE SPECIFIED WHEN ORDERING NON-X OR CABINET MOUNTED UNITS. THIS INFORMATION IS INCLUDED ON THE DESIGNATION STRIP LABELS.

78. EACH DESIGNATION STRIP LABEL HAS TWO COMPONENTS; STAMPING INFORMATION AND LABEL MATERIAL. TABLE D9 PROVIDES REFERENCES TO APPROPRIATE STAMPING INFORMATION ONLY. DESIGNATION STRIP MATERIAL IS PROVIDED IN THE FINAL ASSEMBLY KIT FOR EACH UNIT.

79. WHEN MULTIPLE FEATURES ASSOCIATED WITH A GIVEN CIRCUIT PACK ARE BEING SPECIFIED, ONLY ONE D LIST SHOULD BE ORDERED. SPECIFY ONLY THE HIGHEST D LIST NUMBER APPROPRIATE FOR THE DESIRED FEATURE SET.

80. EXM2000 USED IN CONJUNCTION WITH TRCU3 REQUIRES NLI'S (BKD1'S) ORDERED IN MULTIPLES OF FOUR AND EQUIPPED TWO PER SIDE PROVIDING ONE COMPLETE DUPLEX NCT2 LINK. A MINIMUM EXM2000 CONFIGURATION REQUIRES FOUR NLI'S, TWO PER SIDE.

A FULLY EQUIPPED EXM2000 WITH TRCU3'S CAN PROVIDE UP TO 12 DUPLEXED NCT2 LINKS. A FULLY EQUIPPED EXM2000 WITH 12 NCT2 LINKS REQUIRES 48 NLI'S, 24 PER SIDE. BELOW IS TYPICAL NLI EQUIPAGE IN THE TSU4-2 IN CONJUNCTION WITH THE TRCU3. THE ORDER IN WHICH THE DUPLEXED LINKS ARE EQUIPPED MAY VARY DEPENDING ON THE AVAILABILITY OF PORTS. SIDE 1 & SIDE 2 EQUIPAGE SHOULD BE IDENTICAL.

LINE ENGINEER IS TO FURNISH EQUIPAGE INFORMATION TO THE SHOP FOR TSU4-2 WIRING SIDE DESIGNATION LABEL STAMPING.

EXM2000/TRCU3 NLI CABLES CAN BE ORDERED FROM ED5D518-11

	SIDE 0	EQL & PORT #	SIDE 1	EQL & PORT #
1ST DUPLEX NCT2 LINK	13-029-100	2	13-111-100	2
	13-029-132	3	13-111-132	3
2ND DUPLEX NCT2 LINK	04-037-100	4	04-119-100	4
	04-037-132	5	04-119-132	5

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

ENGINEERING NOTES

***** CONTINUED *****

61. FOR SM2000 USED IN CONJUNCTION WITH CM2C, MAXIMUM AND MINIMUM OF TWO NLI'S (LIST 11) PER SIDE ARE REQUIRED.

LIST 11'S ARE EQUIPPED IN THE FOLLOWING POSITIONS.

13-029-100	13-111-100
13-029-132	13-111-132

LINE ENGINEER TO FURNISH TSIS PORT EQUIPAGE INFORMATION TO SHOP FOR TSU4 WIRING SIDE DESIGNATION LABEL STAMPING.

62. THE NUMERIC/ALPHA LISTS CREATED ARE FUNCTIONALLY EQUIVALENT TO ITS ASSOCIATED NUMERIC LIST!

63. RESERVED

64. PLI'S (BKD2 LIST 12) ARE EQUIPPED IN PAIRS, ONE PER SIDE, IN ANY AVAILABLE TSIS PORT EXCEPT THE RESERVED PRIMARY NETWORK LINK PORTS ON TSIS 0. SEE NOTE 60 FOR A LISTING OF ASSIGNABLE TSIS PORTS. PLI EQUIPAGE MUST BE IDENTICAL ON SERVICE GROUPS 0 & 1.

LINE ENGINEER TO FURNISH TSIS PORT EQUIPAGE INFORMATION TO SHOP FOR TSU4 WIRING SIDE DESIGNATION LABEL STAMPING.

65. RESERVED

66. ENLI'S (LIST 13) ARE EQUIPPED IN PAIRS PER SIDE TO SUPPORT TWO CIRCUITS OF A TRCU2. ENLI LOCATIONS ARE DETERMINED BY FIXED ASSIGNMENTS TO SPECIFIC TSIS PORTS DUE TO STRICT CABLE LENGTH LIMITATIONS TO TRCU2 PORTS. ENLI'S MUST BE ENGINEERED FIRST, BEFORE ANY OTHER TSIS PORT ASSIGNMENTS TO PERIPHERAL OR XDX LINKS PER THE EQUIPAGE LOCATIONS LISTED BELOW. LINE ENGINEER TO FURNISH EQUIPAGE INFORMATION TO SHOP FOR TSU4 WIRING SIDE DESIGNATION LABEL STAMPING.

	SIDE 0	EQL & PORT #	SIDE 1	EQL & PORT #
1ST TRCU2				
CIRCUITS 0/1	13-029-100	2	13-111-100	2
	13-029-132	3	13-111-132	3
CIRCUITS 2/3	04-037-100	4	04-119-100	4
	04-037-132	5	04-119-132	5
2ND TRCU2				
CIRCUITS 0/1	13-037-100	6	13-119-100	6
	13-037-132	7	13-119-132	7
CIRCUITS 2/3	04-045-100	8	04-127-100	8
	04-045-132	9	04-127-132	9
3RD TRCU2				
CIRCUITS 0/1	13-045-100	10	13-127-100	10
	13-045-132	11	13-127-132	11
CIRCUITS 2/3	13-053-100	14	13-135-100	14
	13-053-132	15	13-135-132	15
4TH TRCU2				
CIRCUITS 0/1	04-053-100	12	04-135-100	12
	04-053-132	13	04-135-132	13
CIRCUITS 2/3	04-061-100	16	04-143-100	16
	04-061-132	17	04-143-132	17
5TH TRCU2				
CIRCUITS 0/1	13-061-100	18	13-143-100	18
	13-061-132	19	13-143-132	19
CIRCUITS 2/3	04-069-100	20	04-151-100	20
	04-069-132	21	04-151-132	21
6TH TRCU2				
CIRCUITS 0/1	13-069-100	22	13-151-100	22
	13-069-132	23	13-151-132	23
CIRCUITS 2/3	13-077-100	26	13-159-100	26
	13-077-132	27	13-159-132	27

CABLES FOR ENLI LINKS TO TRCU(2) FOR EXM2000 APPLICATIONS CAN BE ORDERED FROM ED5D618-14 & ED5D618-40 DRAWINGS.

67. RESERVED

68. LISTS 9, 11 AND 13 ARE MUTUALLY EXCLUSIVE. ONLY ONE SHOULD BE EQUIPPED FOR ANY GIVEN SM2000 CONFIGURATION.

69. RESERVED

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

SEE PROPRIETARY NOTICE ON SHEET ONE

BT13

5ESS SWITCHING EQUIPMENT SPECIFICATIONS FOR TIME SLOT INTERCHANGE UNIT MODEL 4, VERSION 2

DWG SIZE C2 ISSUE 16

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
TSIU4-2 BOTTOM SHELF ASSEMBLY. ONE LIST 1 ALWAYS REQUIRED.	54 59 78		1						SD5D196-02	1	
TSIU4-2 TOP SHELF ASSEMBLY. ONE LIST 2 ALWAYS REQUIRED.	54 78		2						SD5D196-02	1	
TSI COMMON APPARATUS (UM74C). TWO LIST 3'S ALWAYS REQUIRED IN ADDITION TO LIST 1. DA EFF:12/01/98 FE:J5D003NB-2,L3A	500	DA	3						SD5D196-02	2	
TSI COMMON APPARATUS (UM74D). TWO LIST 3A'S ALWAYS REQUIRED IN ADDITION TO LIST 1. REQUIRED WHEN SEMI-INTEGRATED STRATUM 3E CLOCK SOURCE FEATURE IS SPECIFIED. REPL:J5D003NB-2,L3	500		3A						SD5D196-02	2	T
CONTROL TIME SLOT NUMBER SELECTION APPARATUS (BKD4), TWO LIST 4'S ALWAYS REQUIRED IN ADDITION TO LIST 1. MOUNTS ON WIRING SIDE OF UNIT.	500		4						SD5D196-02	2	
CONTROL BUS TERMINATOR PADDLE-BOARD (982AAB). TWO LIST 5'S ALWAYS REQUIRED IN ADDITION TO LIST 1. ALSO, TWO LIST 5'S ALWAYS REQUIRED IN ADDITION TO LIST 2. MOUNTS ON WIRING SIDE OF BOTTOM AND TOP SHELVES.	500		5						SD5D196-02	2	
486AA POWER MODULE APPARATUS. TWO LIST 6'S ALWAYS REQUIRED IN ADDITION TO LIST 1.	500		6						SD5D196-02	3	
410AA POWER MODULE APPARATUS. TWO LIST 7'S ALWAYS REQUIRED IN ADDITION TO LIST 2. DA EFF:12/12/97 FE:J5D003NB-2,L7A		DA	7						SD5D196-02	3	
410AA2 POWER MODULE APPARATUS. TWO LIST 7A'S ALWAYS REQUIRED IN ADDITION TO LIST 2. REPL:J5D003NB-2,L7	500		7A						SD5D196-02	3	
TIME SLOT INTERCHANGE SLICE (TSIS) CIRCUIT PACK (KLU1). PROVIDES 3000 TIME SLOTS DIVIDED INTO 4 PORTS. MINIMUM OF 1 REQUIRED PER SIDE. REQUIRED IN ADDITION TO LIST 1. DA EFF:02/28/97 FE:J5D003NB-2,L8A	58	DA	8						SD5D196-02	7	
TIME SLOT INTERCHANGE SLICE (TSIS) CIRCUIT PACK FOR TSIU4. REQUIRED IN ADDITION TO LIST 1. PROVIDES 3000 TIME SLOTS DIVIDED INTO 4 PORTS. MINIMUM OF 1 REQUIRED PER SIDE TO MAXIMUM OF 10 PER SIDE. REQUIRED TO SUPPORT XCDU (J5D003NF-1) IN SM2000. REPL:J5D003NB-2,L8	58 73 500		8A						SD5D196-02	7	V
NETWORK LINK INTERFACE (NLI) BOARD (BKD1). REQUIRED IN ADDITION TO LIST 1 WHEN OPTICAL PERIPHERAL UNITS LIKE CM2 & 7R/E APPLICATIONS ARE SPECIFIED WITH A ST2 CONNECTION (850 NM). MOUNTS ON WIRING SIDE, PROVIDES ONE NCT2 LINK.	56 60 68 80 499 500		9						SD5D196-02	4	
DATA EXPANSION (XDX) CIRCUIT PACK (UN553). PROVIDES 24 PIDB PORTS. ONE REQUIRED PER SIDE TO A MAXIMUM OF SIX PER SIDE. REQUIRED IN ADDITION TO LIST 2.	58 70 500		10						SD5D196-02	5	

TABLE-A CONTINUED

J5D003NB-2

ENGINEERING NOTES

***** CONTINUED *****

OPTICAL FIBER CABLING FOR NLI (BKD1) LINKS TO CM2 CAN BE ORDERED FROM ED5D500-21.

OPTICAL FIBER CABLING FOR PLI (BKD2) LINKS TO DNUS CAN BE ORDERED USING CAB2000.

OPTICAL FIBER CABLING FOR NLI1 (BKD7) LINKS TO CM2C CAN BE ORDERED FROM ED5D751-11.

OPTICAL FIBER CABLING FOR PLI (BKD10) LINKS TO PDXU & OXU CAN BE ORDERED FROM ED5D872-10 & ED5D872-11.

OPTICAL FIBER CABLING FOR BKD11 (NLI) NCT2 LINKS TO CM3 CAN BE ORDERED FROM ED5D872-10 & ED5D872-11.

REFERENCE CABLE KIT DRAWING ED5D734-40 FOR ORDERING INFORMATION ON CABLES:

TSIU4-2 TO SMPU4 OR SMPU5 INTER-UNIT CABLE KITS - GROUP 3 OR 4 (ONE ALWAYS REQUIRED).

REFERENCE CABLE DRAWING ED5D734-10, FOR ORDERING INFORMATION FOR XDX/TSI LINK CABLES. ALWAYS REQUIRED FOR THE THIRD THRU TWELFTH XDX PACK (LIST 10) EQUIPAGE.

REFERENCE CABLE DRAWING ED5D734-10 FOR REQUIRED DSC3 PICB/PIDB CABLING FOR TSIU4-2 WITH SMPU4 OR SMPU5.

REFERENCE CABLE DRAWING ED5D734-10 FOR TSIU4-2 INTRA-SHELF CABLING BETWEEN UPPER & LOWER SHELVES.

REFERENCE ED5D734-15 FOR ORDERING POWER CABLES.

CABLE KITS, DESIGNATED BY "K" LISTS, CAN BE USED FOR CONVENIENCE IN ORDERING REQUIRED CABLES.

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

SEE PROPRIETARY NOTICE ON SHEET ONE

BT13

5ESS SWITCHING EQUIPMENT
SPECIFICATIONS FOR
TIME SLOT INTERCHANGE UNIT
MODEL 4, VERSION 2

DWG SIZE
C2

ISSUE
16

LUCENT TECHNOLOGIES INC J5D003NB-2

SHEET A4
OF 13

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	
NETWORK LINK INTERFACE 1 (NLI1) BOARD (BKD7). REQUIRED IN ADDITION TO LIST 1 WHEN OPTICAL PERIPHERAL UNITS LIKE CM2C & 7R/E APPLICATIONS ARE SPECIFIED WITH A ST2 CONNECTION. MOUNTS ON THE WIRING SIDE, PROVIDES ONE NCT LINK.	61 68 499 500		11					SD5D196-02	9	Y		
PERIPHERAL LINK INTERFACE (PLI) BOARD (BKD2). REQUIRED IN ADDITION TO LIST 1 WHEN OPTICAL PERIPHERAL UNITS LIKE DNU-S, PDXU & 7R/E APPLICATIONS ARE SPECIFIED WITH A ST2 FIBER OPTIC CONNECTION. MOUNTS ON WIRING SIDE, PROVIDES ONE PCT LINK.	64 499 500		12					SD5D196-02	11	X		
ELECTRICAL NETWORK LINK INTERFACE (ENLI) BOARD (BKD3). REQUIRED IN ADDITION TO LIST 1 WHEN REMOTE SM (EXM2000) IS SPECIFIED. MOUNTED ON WIRING SIDE, PROVIDES ONE ELECTRICAL NCT LINK.	66 68 499 500		13					SD5D196-02	10	W		
JUMPER CONNECTOR REQUIRED PER SIDE FOR 30 CHANNEL MODE FOR APPLICATIONS REQUIRING REMOTE CLOCK SOURCE E1 RATE (VCDX/SM2000/7RE). DEFAULT 24 CHANNEL MODE T1 RATE WITHOUT JUMPER. TOTAL OF 2 REQ'D IN ADDITION TO LIST 1 WHEN 30 CHANNEL MODE IS SPECIFIED.	500		14					SD5D196-02	1	ZC		
PERIPHERAL LINK INTERFACE (PLI) BOARD (BKD10). REQUIRED IN ADDITION TO LIST 1 WHEN OPTICAL PERIPHERAL UNITS LIKE PDXU, OXU & 7R/E APPLICATIONS ARE SPECIFIED WITH A MTRJ FIBER OPTIC CONNECTION. MOUNTED ON WIRING SIDE, PROVIDES ONE PCT LINK. REPL:NONE	82 499 500		15					SD5D196-02	7	X		
NETWORK LINK INTERFACE (NLI) BOARD (BKD11). REQUIRED WITH CM3 APPLICATIONS PROVIDING ONE NCT2 LINK (WAVELENGTH 1300 NM). MAY ALSO BE REQUIRED WITH SOME 7R/E APPLICATIONS. REQUIRES A MTRJ FIBER OPTIC CONNECTION. MOUNTS ON WIRING SIDE. REPL:NONE	60 83 499 500		16					SD5D196-02	8	S		
158H APPARATUS BLANK (1.25"), TWO LIST B1'S ALWAYS REQUIRED IN ADDITION TO LIST 2. DA EFF:12/04/98 FE/RA:NONE	72	DA	B1									
158B APPARATUS BLANK (0.75"), EIGHT LIST B2'S ALWAYS REQUIRED IN ADDITION TO LIST 2. DA EFF:12/04/98 FE/RA:NONE	72	DA	B2									
158E APPARATUS BLANK (1.00") REQUIRED IN ADDITION TO LIST 2. DA EFF:12/04/98 FE/RA:NONE	72	DA	B3									
162E APPARATUS BLANK (1.00") REQUIRED IN ADDITION TO LIST 1. DA EFF:12/04/98 FE/RA:NONE	72	DA	B4									
174A APPARATUS BLANK (0.25"), TWO LIST B5 ALWAYS REQUIRED IN ADDITION TO LIST 1. DA EFF:12/04/98 FE/RA:NONE	72	DA	B5									
150A APPARATUS FILLER BLANK (0.50"), ONE LIST B6 ALWAYS REQUIRED IN ADDITION TO LIST 2. DA EFF:12/04/98 FE/RA:NONE	72	DA	B6									
TABLE-A CONTINUED												

J5D003NB-2

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	
174B APPARATUS FILLER BLANK (0.50"), ONE LIST B7 ALWAYS REQUIRED IN ADDITION TO LIST 1. DA EFF:12/04/98 FE/RA:NONE	72	DA	B7									
DESIGNATION LABEL (FRONT) FOR UPPER SHELF. ONE LIST D1 ALWAYS REQUIRED IN ADDITION TO LIST 2. DA EFF:12/04/98 FE/RA:NONE		DA	D1	1	ED5D075-11		170					
DESIGNATION LABEL (REAR) FOR UPPER SHELF. ONE LIST D2 ALWAYS REQUIRED IN ADDITION TO LIST 2. DA EFF:12/04/98 FE/RA:NONE		DA	D2	1	ED5D075-11		171					
DESIGNATION LABEL (FRONT) FOR LOWER SHELF. ONE LIST D3 ALWAYS REQUIRED IN ADDITION TO LIST 1. DA EFF:12/04/98 FE/RA:NONE		DA	D3	1	ED5D075-11		172					
DESIGNATION LABEL (REAR) FOR LOWER SHELF. ONE LIST D4 ALWAYS REQUIRED IN ADDITION TO LIST 1. DA EFF:12/04/98 FE/RA:NONE		DA	D4	1	ED5D075-11		173					
LABEL REQUIRED ONLY IN ADDITION TO EACH LIST 3A (UM74D) WHEN SEMI INTEGRATED STRATUM 3E CLOCK SOURCE FEATURE IS SPECIFIED. J5D003NB-2 (REAR) UM74D REPL:NONE			D5	1	ED5D075-11		193					
LABEL REQUIRED ONLY IN ADDITION TO EACH LIST 8A THAT SUPPORTS XCDU (J5D003NF-1) TSI LINKS EQUIPPED ON SIDE 0. DA EFF:12/04/98 FE/RA:NONE	74	DA	D21	1	ED5D075-11		178					
LABEL (REAR) REQUIRED ONLY IN ADDITION TO EACH LIST 8A (KLUB) THAT SUPPORTS XCDU (J5D003NF-1) TSI LINKS. REPL:NONE	74		D22	1	ED5D075-11		179					
WIRING SIDE DESIGNATION LABEL, REQUIRED IN ADDITION TO LIST 1.	500		E1									
FINAL ASSEMBLY KIT, STANDARD POWER FUSING, PHASE II GLOBAL FRAME.	71 78 500		F1	1								
FINAL ASSEMBLY KIT, AUTO POWER RECOVERY FUSING, PHASE II GLOBAL FRAME.	71 78 500		F2									
FINAL ASSEMBLY KIT, STANDARD POWER FUSING, PHASE 1 FRAME.	71 78 500		F3									
FINAL ASSEMBLY KIT, AUTO POWER RECOVERY FUSING, PHASE 1 FRAME.	71 78 500		F4									
TABLE-A CONTINUED												

SEE PROPRIETARY NOTICE ON SHEET ONE	
BT13	
5ESS SWITCHING EQUIPMENT SPECIFICATIONS FOR TIME SLOT INTERCHANGE UNIT MODEL 4, VERSION 2	
DWG SIZE C2	ISSUE 16
LUCENT TECHNOLOGIES INC	J5D003NB-2
SHEET A5 OF 13	

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 BLANK KIT. ONE LIST F5 REQUIRED IN ADDITION TO LIST 1. PROVIDES APPARATUS BLANKS FOR UPPER & LOWER SHELVES. REFL:NONE	499		F5								
FINAL ASSEMBLY KIT, AUTO POWER RECOVERY FUSING, PHASE II GLOBAL FRAME & PROVIDES ADDITIONAL CABLE SUPPORT TRAYS. REFL:NONE	71 78 84 500		F6								
UNIT GUIDE KIT WITH L-SHAPE BRACKETS TO MOUNT 500-TYPE UNIT IN PHASE II GLOBAL CABINET. REQUIRED IN ADDITION TO LIST F1, F2 OR F6.	71 500		G1								
UNIT GUIDE KIT FOR 132-TYPE APP MTG. TO MOUNT IN PHASE II GLOBAL CABINET. REQUIRED IN ADDITION TO LIST F1, F2 OR F6.	71 500		G2								
UNIT GUIDE KIT WITH L-SHAPE BRACKETS TO MOUNT 500-TYPE UNIT IN PHASE I CABINET. REQUIRED IN ADDITION TO LIST F3 OR F4.	71 500		G3								
UNIT GUIDE KIT FOR 132-TYPE APP MTG. TO MOUNT IN PHASE I CABINET. REQUIRED IN ADDITION TO LIST F3 OR F4.	71 500		G4								
EQUIPMENT FOR A CONNECTORIZED CABLE KIT TO INTERCONNECT THE TSIU4-2 WITH THE SMPU4. SUPPORTS CONTROL & DISPLAY, STCL AND MCP CONNECTIONS.	499 500		K1	1	ED5D734-40	3					
EQUIPMENT FOR A CONNECTORIZED CABLE KIT TO INTERCONNECT THE TSIU4-2 WITH THE SMPU5. SUPPORTS CONTROL & DISPLAY, STCL AND MCP CONNECTIONS.	499 500		K2	1	ED5D734-40	4					

END OF TABLE-A

SEE PROPRIETARY NOTICE ON SHEET ONE

BT13

5ESS SWITCHING EQUIPMENT
SPECIFICATIONS FOR
TIME SLOT INTERCHANGE UNIT
MODEL 4, VERSION 2

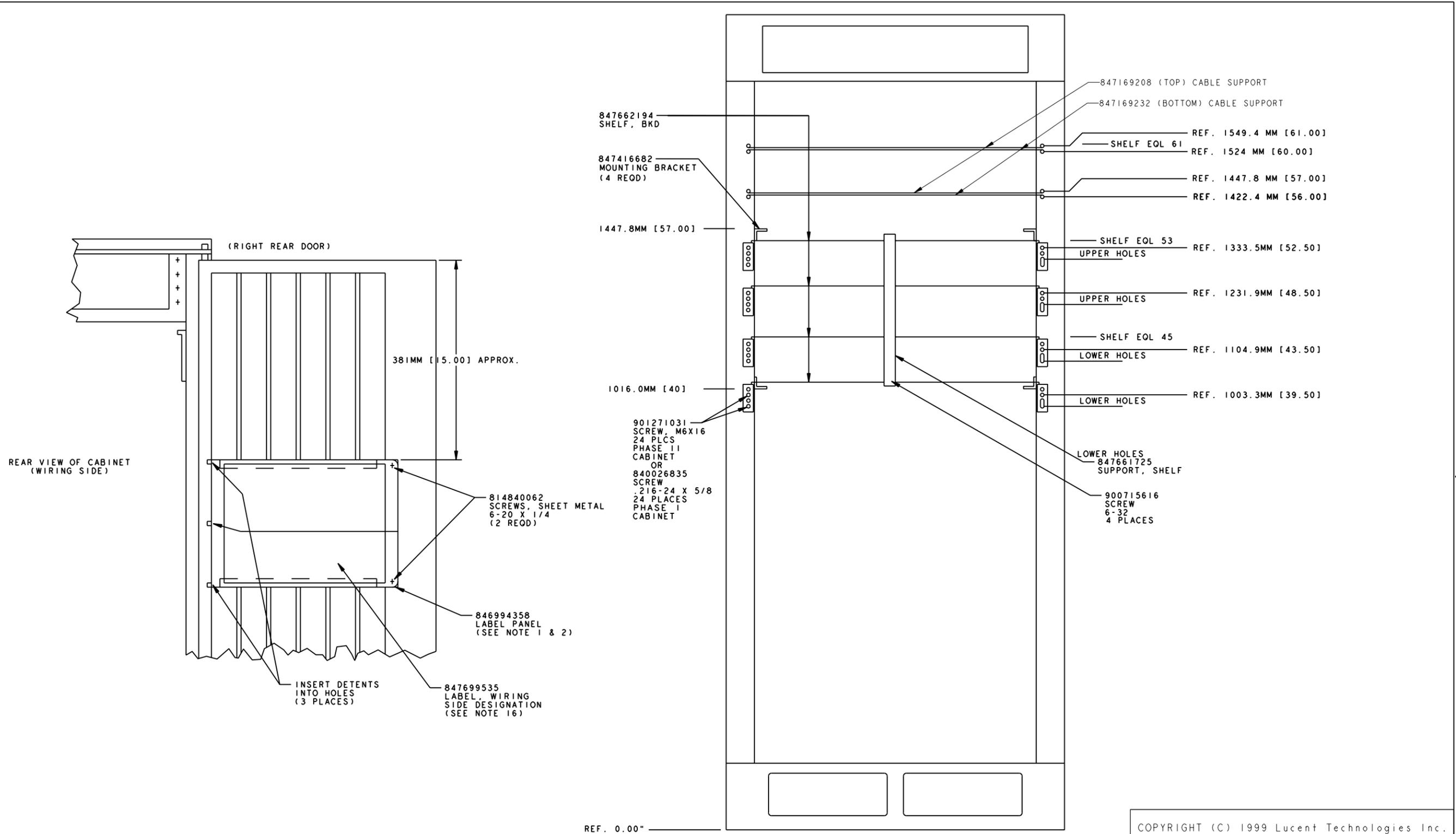
DWG SIZE C2 ISSUE 16

J5D003NB-2

LUCENT TECHNOLOGIES INC J5D003NB-2

SHEET A6 OF 13

1.5+
Create
COMMON-HARDWARE



REAR VIEW OF CABINET
(WIRING SIDE)

(RIGHT REAR DOOR)

WIRING SIDE VIEW

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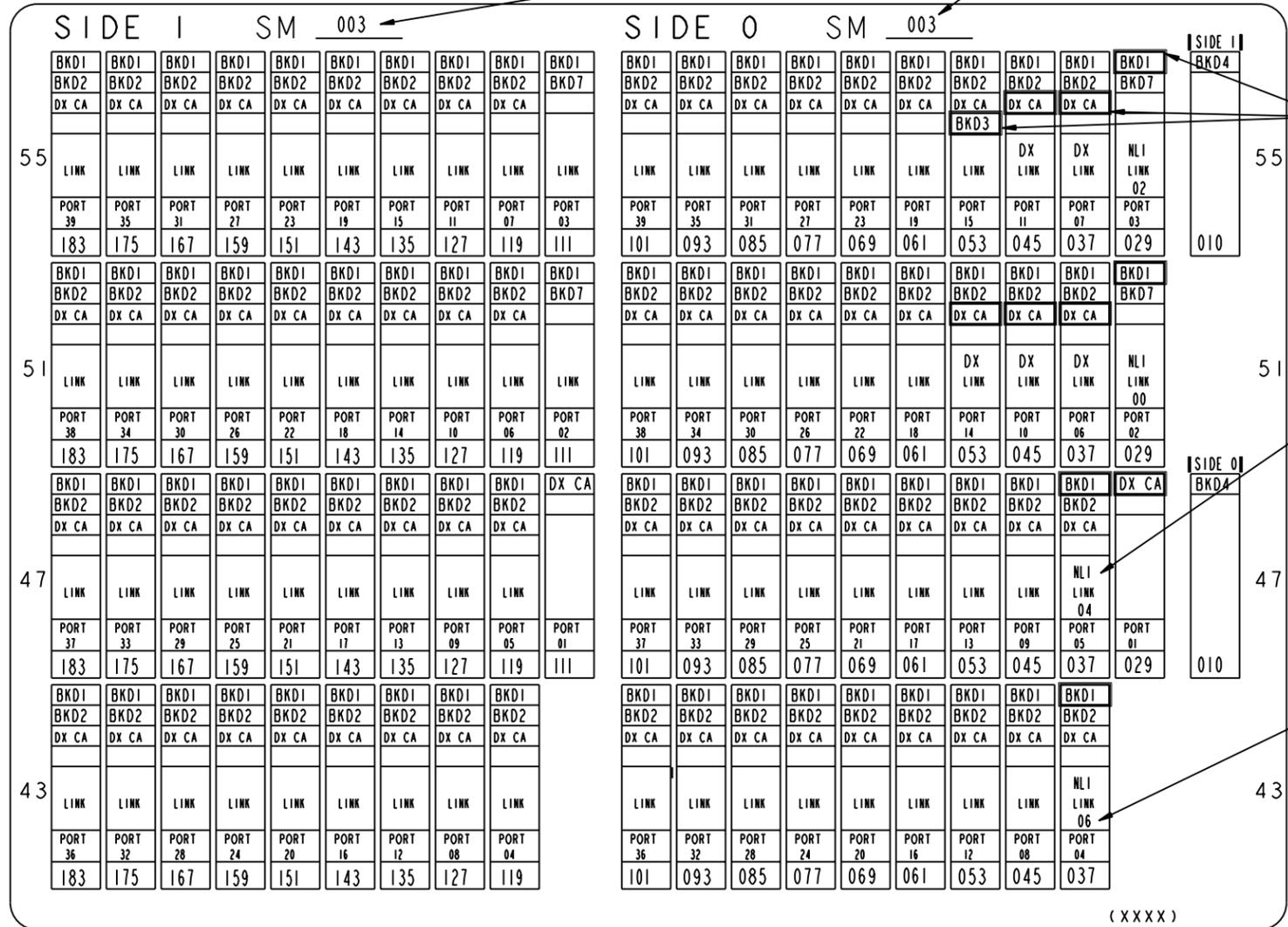
TIME SLOT INTERCHANGE UNIT MODEL 4, VERSION 2		THIRD ANGLE PROJ 	
DWG SIZE C2	ISSUE 12	SHEET NO. BI	
LUCENT TECHNOLOGIES		J5D003NB-2	

MODELED BY: W. A. Miles DATE: 08-OCT-99

DRAWING NAME=J5D003NB-2
MODEL/ASM NAME=MODEL NAME

PROJ-EOEDFORM.FRM-FEB-96

J5D003NB-2



TSIU4-2 WIRING SIDE LABEL
STAMPING INSTRUCTIONS

FIG. 1

VARIABLE INFORMATION THAT
MAY BE APPLIED TO FACILITATE
MANUFACTURING OPERATIONS

OFFICE SM NUMBER (THREE CHARACTERS - EXAMPLE SHOWN 003)
TO BE APPLIED AT MANUFACTURING LOCATION. CHARACTERS TO
BE BLACK PERMANENT INK, 0.125-0.150" HIGH.

APPROPRIATE EQUIPMENT CODE TO BE
HIGHLIGHTED WHEN APPARATUS IS
INSTALLED AT MANUFACTURING LOCATION.
HIGHLIGHT TO BE A RECTANGLE BOX,
APPLIED IN BLACK PERMANENT INK. BOX
INSIDE DIMENSIONS TO MATCH OUTLINE ON
LABEL (.450" X .188") WITH A LINE WIDTH
OF .04-.05". EXAMPLE SHOWS TYPICAL
EQUIPAGE HIGHLIGHTED ON SIDE 0. SAME
PROCEDURES TO BE USED FOR SIDE 1 DATA.

SEE DX LINK TYPE AND NUMBER STAMPING INSTRUCTIONS
BELOW.

EQUIPMENT NOT PREPRINTED (E.G. BKD3) TO BE APPLIED
AT MANUFACTURING LOCATION IN SPARE BOX PROVIDED AND
HIGHLIGHTED AS INDICATED ABOVE. CHARACTERS TO BE
BLACK PERMANENT INK, 0.110" HIGH.

APPROPRIATE LINK TYPE TO BE APPLIED WHEN
APPARATUS IS INSTALLED AT MANUFACTURING
LOCATION OR CUSTOMER SITE. CHARACTERS
TO BE APPLIED IN BLACK PERMANENT INK,
.125" HIGH.

LINK TYPES ARE RELATED TO THE
APPARATUS INSTALLED AS FOLLOWS:

- APPARATUS LINE TYPE**
- BKD1 = NLI
 - BKD2 = PLI
 - BKD3 = ENLI
 - BKD7 = NLI1
 - DXCA = XDX
 - TSI LINK = XDX
 - BKD10 = PLI
 - BKD11 = NLI

APPROPRIATE NETWORK OR PERIPHERAL LINK
NUMBER (2 DIGITS) TO BE APPLIED AT
CUSTOMER SITE WHEN LINK CABLING IS
INSTALLED. CHARACTERS TO BE APPLIED
IN BLACK PERMANENT INK, .125" HIGH.

NUMBERS SHOWN FOR EXAMPLE. ACTUAL
LINK NUMBERS DEPENDANT ON ODD DATA.

SAME PROCEDURES TO BE USED FOR SIDE 0
AND SIDE 1 EQUIPAGE.

FOR DX/TSIS CABLE LINKS, APPROPRIATE DX CIRCUIT
PACK NUMBER (1 DIGIT; 1-5) TO BE APPLIED AT
MANUFACTURING LOCATION. CHARACTERS TO BE
APPLIED IN BLACK PERMANENT INK, 0.125" HIGH.

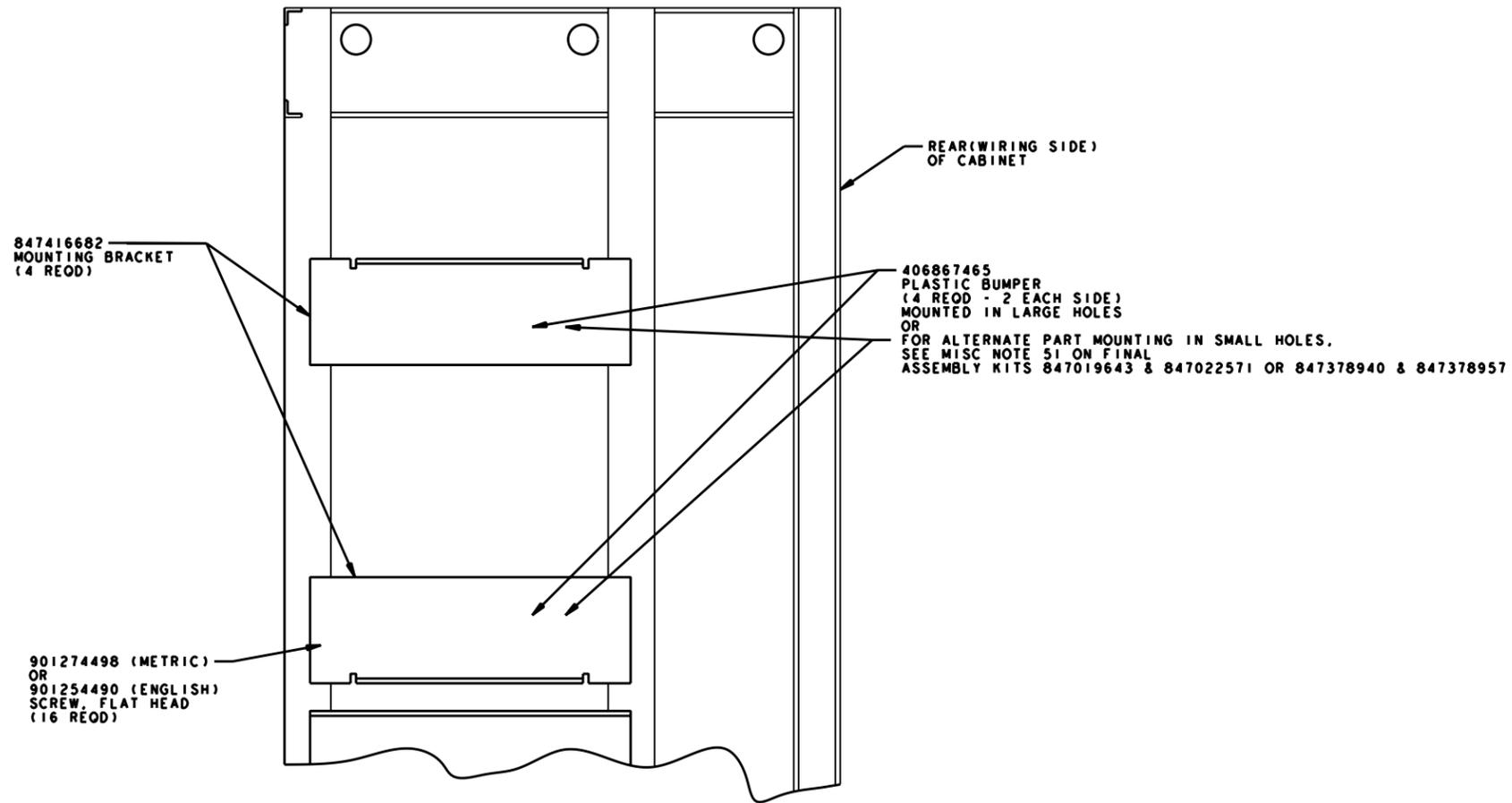
FOR TSI LINKS TO XCDU, APPROPRIATE XCDU UNIT
NUMBER (1-6) TO BE APPLIED AT FIRST (LEFT)
DIGIT, AND XDX CIRCUIT PACK NUMBER (0-4)
TO BE APPLIED AS SECOND DIGIT. CHARACTERS
TO BE APPLIED IN BLACK PERMANENT INK, 0.125"
HIGH.

FOR PCT LINKS TO OPTICAL PERIPHERAL UNITS LIKE
OXU, PDXU... APPROPRIATE UNIT NUMBER (1 - X)
TO BE APPLIED AT FIRST (LEFT) DIGIT. AND XDX
CIRCUIT PACK NUMBER (0 - 4) TO BE APPLIED AS
SECOND DIGIT. CHARACTERS TO BE APPLIED IN BLACK
PERMANENT INK, 0.125 HIGH.

TITLE		TIME SLOT INTERCHANGE UNIT MODEL 4		
THIRD ANGLE PROJECTION	LUCENT TECHNOLOGIES - PROPRIETARY THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF LUCENT TECHNOLOGIES AND IS NOT TO BE DISCLOSED OR USED EXCEPT IN ACCORDANCE WITH APPLICABLE AGREEMENTS			
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LUCENT TECHNOLOGIES	J5D003NB-2	SHEET B2	ISSUE 14	DWG SIZE C2/AIR

J5D003NB-2

1.2+
Initial
COMMON_HARDWARE



PROJ - EGEDFORM.FRM - FEB 96

J5D003NB-2

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TIME SLOT INTERCHANGE UNIT MODEL 4		THIRD ANGLE PROJ 	
(P) DWG SIZE C2		ISSUE 9	
LUCENT TECHNOLOGIES	J5D003NB-2	SHEET NO. B3	

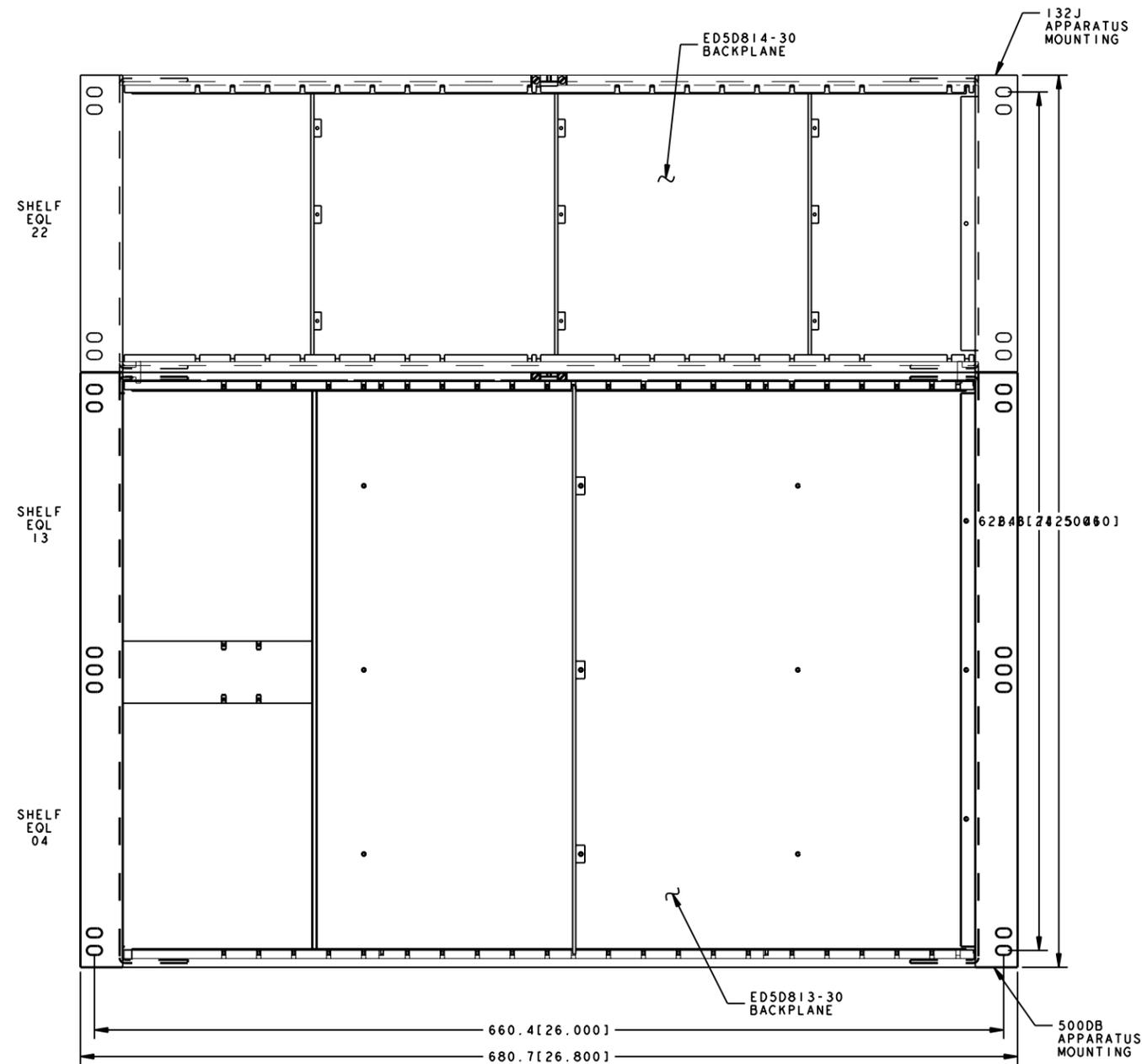
MODELED BY: COIX DATE: 2-Nov-98

DRAWING NAME=J5D003NB-2
MODEL/ASM NAME=MODEL NAME

1.2+
Initial
COMMON_HARDWARE

MANUFACTURING NOTES

1. ASSEMBLY INFORMATION FOR THE 132J SHELF OF THE TSIU4(J5D003NB-2), REFERENCE SHELF ASSEMBLY DRAWING 847671237.
2. ASSEMBLY INFORMATION FOR THE 500DB SHELF OF HE TSIU4(J5D003NB-2), REFERENCE SHELF ASSEMBLY DRAWING 847671252.



(FRONT VIEW)
TSIU4
DUAL SHELF

PROJ-EOEDFORM.FRM-FEB-96

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S H O P I N S T
P T

MANUFACTURING NOTES

***** CONTINUED *****

135, 143, 151, 159, 167, 175, & 183.

X X 29. WHEN LIST D22 IS ORDERED, ON THE LOWER TSIU4-2 SHELF STAMP THE ASSOCIATED LABEL GROUP INFORMATION AT THE HEQL PROVIDED AS JOB INFORMATION BY REGIONAL ENGINEERING. THIS LABEL INFORMATION IS STAMPED ONLY WHEN LIST D22 IS ORDERED.

X X 30. WHEN THE LOWER TSIU4-2 SHELF (LIST 1) OR THE UPPER TSIU4-2 SHELF (LIST 2) IS ORDERED EQUIPPED WITH A FINAL ASSEMBLY KIT, ON THE APPROPRIATE TSIU4-2 SHELF, STAMP THIS LABEL INFORMATION EVEN THOUGH THE ASSOCIATED CIRCUIT PACK LIST IS NOT ORDERED. THIS RESULTS IN ULTIMATE STAMPING OF THE UNIT LABELS.

S H O P I N S T
P T

MANUFACTURING NOTES

***** CONTINUED *****

THE FOLLOWING PIN POSITIONS:

OPTION	EQL POS	PIN CONNEC	ORIENTATION
30 CHANNEL MODE (ZC)	04-017-532	04-017-533	VERTICAL
	13-017-532	13-017-533	VERTICAL

X X 20. APPARATUS BLANK TABLE

POSITION NUMBER	APPARATUS BLANK TYPE	COMCODE NUMBER
22-0	150A	103752721
22-2	158F	104042155
22-88	158F	104042155
22-9	158D	104042130
22-12	158D	104042130
22-19	158D	104042130
22-42	158D	104042130
22-45	158D	104042130
22-52	158D	104042130
22-55	158D	104042130
22-62	158D	104042130
22-23	158E	104042148
22-27	158E	104042148
22-31	158E	104042148
22-35	158E	104042148
22-39	158E	104042148
22-66	158E	104042148
22-70	158E	104042148
22-74	158E	104042148
22-78	158E	104042148
22-82	158E	104042148
04-3	174B	105552350
04-14	174A	105552343
04-25	174A	105552343
04-5	162E	105479257
04-6	162E	105479257
04-7	162E	105479257
04-8	162E	105479257
04-9	162E	105479257
04-10	162E	105479257
04-11	162E	105479257
04-12	162E	105479257
04-13	162E	105479257
04-16	162E	105479257
04-17	162E	105479257
04-18	162E	105479257
04-19	162E	105479257
04-20	162E	105479257
04-21	162E	105479257
04-22	162E	105479257
04-23	162E	105479257
04-24	162E	105479257

21. UNIT VERTICAL EQL 22 REFERS TO THE UPPER 132-TYPE SHELF. UNIT VERTICAL EQL 04 OR 13 REFERS TO THE LOWER 500-TYPE SHELF. BOTH THE UPPER & LOWER SHELVES ARE REQUIRED FOR A COMPLETE TSIU4-2.

X X 22. BASIC FRONT AND REAR LABEL INFORMATION REQUIRED IN ADDITION TO LIST 2 FOR THE UPPER TSIU4-2 SHELF, VERTICAL EQL 62, WHEN EQUIPPED WITH A FINAL ASSEMBLY KIT.

X X 23. BASIC FRONT AND REAR LABEL INFORMATION REQUIRED IN ADDITION TO LIST 1 FOR THE LOWER TSIU4-2 SHELF, VERTICAL EQL 49, WHEN EQUIPPED WITH A FINAL ASSEMBLY KIT.

X X 24. WHEN THE FIRST LIST 10 (UN553) IS SPECIFIED THE FACTORY WILL STAMP THE ASSOCIATED LABEL GROUP INFORMATION AT ALL HEQL'S 038, 052, 060, 068, 076, 084, 124, 138, 146, 154, 162 & 170 ON THE UPPER TSIU4-2 SHELF.

X X 25. WHEN THE FIRST LIST 6 (486AA) IS ORDERED, THE FACTORY WILL STAMP THE ASSOCIATED LABEL GROUP INFORMATION AT HEQL 011 ON THE LOWER TSIU4-2 SHELF.

X X 26. WHEN THE FIRST LIST 3() IS ORDERED, THE FACTORY WILL STAMP THE ASSOCIATED LABEL GROUP INFORMATION AT HEQL 017 ON THE LOWER TSIU4-2 SHELF.

X X 27. WHEN THE FIRST LIST 7() IS ORDERED THE FACTORY WILL STAMP THE ASSOCIATED LABEL GROUP INFORMATION AT HEQL 020 & 106 ON THE UPPER TSIU4-2 SHELF.

X X 28. WHEN THE FIRST LIST 8() IS SPECIFIED, ON THE LOWER TSIU4-2 SHELF STAMP THE ASSOCIATED LABEL GROUP INFORMATION AT ALL HEQL'S 029, 037, 045, 053, 061, 069, 077, 085, 093, 101, 111, 119, 127, ----- CONTINUED TO THE LEFT -----

S H O P I N S T
P T

MANUFACTURING NOTES

1. X PARTS REQUIRED FOR INSTALLATION.

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

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

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

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

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

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

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

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

"S" PARTS NOT ASSEMBLED, SHIPPED SEPARATELY.

A/R AS REQUIRED.

"B" PARTIAL ASSEMBLIES ON OTHER DRAWINGS WITH STOCKLISTS.

X X 12. XDX/TSIS LINK CABLES EQUIPPED IN PAIRS AS NEEDED WITH ADDITIONAL UN553/KLUI CIRCUIT PACKS. CABLES ON TSIS SLICES ARE INSTALLED CENTERED WITHIN THE C100B SPACERS REFERENCING THE LOWER LEFT PIN ON THE WIRING SIDE. XDX0/TSIS0 ARE FIXED ASSIGNED LINKS THAT ARE ALWAYS REQUIRED. THE REMAINING LINKS ARE OPTIONAL AS NEEDED. XDX0/TSIS0 CABLE PAIR LOCATED AT THE FOLLOWING POSITIONS:

LINK	CABLE EQLS
	FROM TO
XDX0/TSIS0	22-044-032, 04-029-032 (REQUIRED)
	22-130-032, 04-111-032 (REQUIRED)

XDX/TSIS CABLES ARE INSTALLED IN PAIRS, ONE PER SIDE, PER STAMPING SHOWN IN ED5D734-10, TABLE D1. CABLES TO BE INSTALLED PER METHOD OF CABLING ED5D734-12. EQUIPAGE ON TSIU4-2 SERVICE GROUP 0 MUST MATCH IDENTICALLY SERVICE GROUP 1.

13. UNASSIGNED

X X 14. TWENTY FOUR (24) 901271031 SCREWS ARE NEEDED TO FASTEN CIRCUIT PACK SHELVES AND CABLE SUPPORTS AS SHOWN ON SHEET B1 AND TEN (10) ARE NEEDED TO FASTEN THE UNIT TO THE FRAME FROM THE COMPONENT SIDE. THESE ITEMS ARE INCLUDED IN FINAL ASSEMBLY KITS 847671211 & 847671229. FOR MOUNTING ONTO ENGLISH FRAME (PHASE I CABINET) ENGLISH SCREWS 840029835 ARE USED. THESE ARE INCLUDED IN FINAL ASSEMBLY KITS 847671195 AND 847671203.

X X 15. NLI, NLII, PLI, ENLI CIRCUIT PACKS ARE EQUIPED ON THE WIRING SIDE IN PAIRS AS SPECIFIED PER EQUIPMENT ORDER.

X X 16. LABEL PANEL (846994358) AND SHEET METAL SCREWS (814840062) TO BE SHIPPED LOOSE WITH UNIT TO CUSTOMER SITE AFTER WIRING SIDE DESIGNATION LABEL (847699535) HAS BEEN APPLIED TO THE PANEL. DESIGNATION LABEL SHOULD BE PLACED IN THE CENTER OF THE FLAT SIDE OF THE LABEL PANEL. LABEL IS TO BE STAMPED WITH APPROPRIATE EQUIPAGE AT THE FACTORY PER THE TSIU4 WIRING SIDE LABEL STAMPING INSTRUCTIONS DRAWING (SEE FIGURE 1). APPROPRIATE LINK # INFORMATION IS TO BE APPLIED AT THE CUSTOMER SITE WHEN THE LINK CABLING IS INSTALLED, PER INSTRUCTIONS ON THE STAMPING INSTRUCTIONS DRAWING. LABEL PANEL WITH DESIGNATION LABEL SHALL BE FASTENED TO THE RIGHT REAR DOOR AFTER THE DOORS ARE INSTALLED.

X X 17. RESERVED

X X 18. UNASSIGNED

X X 19. 963E-2 CONNECTOR (LIST 14) IS A TWO PIN JUMPER CONNECTOR COVERING ----- CONTINUED TO THE LEFT -----

SEE PROPRIETARY NOTICE ON SHEET ONE

BT13

5ESS SWITCHING EQUIPMENT
SPECIFICATIONS FOR
TIME SLOT INTERCHANGE UNIT
MODEL 4, VERSION 2

DWG SIZE C2	ISSUE 16
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LUCENT TECHNOLOGIES INC J5D003NB-2 SHEET D1 OF 13

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1010	1	1	847671252		ASSEMBLY,SHELF 500DB SHELF, LOWER BASE UNIT			
1020	2	1	847671237		ASSEMBLY,SHELF 132J SHELF, UPPER BASE UNIT			
1030	3	1	107662785	UM74C	PACK,CIRCUIT TIME SLOT INTERCHANGE COM FE CLEI=E5PQAP6A CLEI = E5PQAXPA EQL 04-017, 13-017			21
1031	3A	1	108229162	UM74D	PACK,CIRCUIT TSIC/ TIME SLOT INTERCHANGE COMMON EQL 04-017, 13-017			21
1040	4	1	106619125	BKD4	PACK,CIRCUIT CLEI = E5PQAENA EQL 04-010-032, 13-010-032 WIRING SIDE			21
1050	5	1	106586159	982AAB	CONNECTOR EQL 13-108-000, 13-190-000, 22-091-000, 22-177-000, WIRING SIDE			21
1060	6	1	106560154	486AA	UNIT,POWER CLEI FE=PWPQASBA CLEI FE=PWPQAPUA CLEI FE=PWPQAGTA CLEI = PWPQATAA EQL 04-011, 13-011			21
1070	7	1	104060611	410AA	UNIT,POWER CLEI = PWPQACNA EQL 22-020, 22-106			21
1071	7A	1	108133232	410AA2	UNIT CLEI = PWPQAS7A EQL 22-020, 22-106			21
1080	8	1	106991847	KLUI	PACK,CIRCUIT FE CLEI=E5PQAG3A CLEI = E5PQAJEA EQL 04-029, 111			21
1081	8A	1	107850232	KLUIB	PACK,CIRCUIT FE CLEI=E5PQATVA TSIS/TIME SLOT INTERCHANGESLICE CLEI = E5PQA0ZA			21
1090	9	1	106613102	BKD1	PACK,CIRCUIT EF CLEI=E5PQAEHA CLEI = E5PQAP8A			15
1100	10	1	107077000	UN553	PACK, CIRCUIT FE CLEI=E5PQAK100 CLEI = E5PQA3DA EQL 22-038, 124			12 21
1110	11	1	106770829	BKD7	PACK,CIRCUIT CLEI = E5PQARMA			15
1120	12	1	106613110	BKD2	PACK,CIRCUIT FE CLEI=E5QAGEA CLEI = E5PQARPA			15
1125	15	1	108399254	BKD10	PACK,CIRCUIT OPTICAL LINK CLEI = E5PQAZUA			15
1130	13	1	106613128	BKD3	PACK,CIRCUIT CLEI = E5PQARRA			15
1135	16	1	108671918	BKD11	PACK,CIRCUIT NETWORK LINK INTERFACE CLEI = E5PQA1SA			15
1140	E1	1	847699535		LABEL, DESIGNATION J5D003NB-2 WIRING SIDE		*	16
1160	14	1	102898509	963E-2	CONNECTOR JUMPER CONNCTION, WIRING SIDE			19
1170	B1	1	104042155	158F	BLANK,APPARATUS POS 22-2, 88			21
1175	B6	1	103752721	15UA	BLANK,APPARATUS POS 22=0			21
1180	BZ	1	104042130	158D	BLANK,APPARATUS POS 22-9, 12, 19, 42, 45, 52, 55, 62			21
1190	B3	1	104042148	158E	BLANK,APPARATUS POS 22-23, 27, 31, 35, 39, 66, 70, 74, 78, 82			21

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

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1200	B4	1	105479257	16ZE	BLANK,APPARATUS POS 04-5, 6, 7, 8, 9, 10, 11, 12, 13 16, 17, 18, 19, 20, 21, 22, 23, 24			21
1203	B5	1	105552343	174A	BLANK,APPARATUS POS 04-14, 04-25			21
1206	B7	1	105552350	174B	BLANK,APPARATUS POS 04-3			21
1210	D1	1	ED5DU75-11,G170		LABEL DESIGNATION, FRONT UPPER SHELF			*/
1220	D2	1	ED5DU75-11,G171		LABEL DESIGNATION, REAR UPPER SHELF			*/
1230	D3	1	ED5DU75-11,G172		LABEL DESIGNATION, FRONT LOWER SHELF			*/
1240	D4	1	ED5DU75-11,G173		LABEL DESIGNATION, REAR LOWER SHELF			*/
1244	DZ1	1	ED5DU75-11,G178		LABEL			
1245	DZ2	1	ED5DU75-11,G179		LABEL			
1260	F1	1	847671211		KIT,FINAL ASSEMBLY			*/ 14
1270	F2	1	847671229		KIT,FINAL ASSEMBLY			*/ 14
1280	F3	1	847671203		KIT,FINAL ASSEMBLY			*/ 14
1290	F4	1	847671195		KIT,FINAL ASSEMBLY			*/ 14
1295	F5	1	848215018		KIT,BLANK APPARATUS, TSIU4-2 J5D003NB-2, L F5			*/ 20
1298	F6	1	848572228		KIT,FINAL ASSEMBLY			*/ 14
1300	G1	1	847286754		KIT,MOUNTING UNIT GUIDE, 500-TYPE UNIT, PHASE II CAB.			*/
1310	G2	1	847286721		KIT,MOUNTING UNIT GUIDE, 132-TYPE UNIT, PHASE II CAB.			*/
1320	G3	1	847196771		KIT,MOUNTING UNIT GUIDE FOR 500-L TYPE APP MTG UNIT GUIDE, 500-TYPE UNIT, PHASE I CAB.			*/
1330	G4	1	847196748		KIT,MOUNTING UNIT GUIDE FOR 132 TYPE APP MTG UNIT GUIDE, 132-TYPE UNIT, PHASE I CAB.			*/
1340	K1	1	ED5D734-40,G3		KIT, 5ESS			
1350	K2	1	ED5D734-40,G4		KIT, 5ESS			

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

SEE PROPRIETARY NOTICE ON SHEET ONE

BT13

5ESS SWITCHING EQUIPMENT
SPECIFICATIONS FOR
TIME SLOT INTERCHANGE UNIT
MODEL 4, VERSION 2

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OF 13

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TABLE D9

TSIU4-2 DESIGNATION LABEL INFORMATION			
LIST	ASSOCIATED D LIST	ED GROUP FOR LABEL	NOTE
1		ED5D075-11, G172 ED5D075-11, G188	23
2		ED5D075-11, G170 ED5D075-11, G187	22
3		ED5D075-11, G190	26,30
3A		ED5D075-11, G190	26,30
3A	D5	ED5D075-11, G193	26
6		ED5D075-11, G192	25,30
7		ED5D075-11, G189	27,30
7A		ED5D075-11, G189	27,30
8		ED5D075-11, G104	28
8A		ED5D075-11, G104	28,30
8A	D22	ED5D075-11, G179	29
10		ED5D075-11, G191	24,30

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