

ISSUE NOTES (CONTINUED)					ISSUE NOTES (CONTINUED)					ISSUE NOTES				
CN54541 - NEW CLEIS ADDED TO SL ITEMS 1170,1320,1330,1340,5230,5240,5250,5260. PI 14.1 - NOTE 60 MODIFIED; LIST 2 RATING CHANGED TO DA. ORIG ISS: 10/28/92 CHANGE CLASS: AC					H7244 - LISTS 2A,13,14,15,S,T,U,V,W ADDED; LISTS 2,8,10,12,P,Q MODIFIED; SL ITEMS 1141,1145,1147,1330,1340,1350,1360,1370,1380 ADDED; SL ITEMS 1040,1250,1280,1320 MODIFIED; SL ITEM 1015 DELETED; NOTES 23,67,68,69,70,71,72 ADDED; NOTES 14,18,19,20,53,55,56,60,61,64,65 MODIFIED; TABLE AA MODIFIED; GRAPHICS SHEETS B2,B3 MODIFIED. ORIG ISS: 10/28/92 NDD NBR: NDD5D003NW-484 CHANGE CLASS: B					ORIG ISS: 10/28/92 CHANGE CLASS: DRAFT: JJR ENGR: JJR SUPV: PK CERTIFIED: 10/28/92 ISSUE: 1				
DRAFT: MGS ENGR: MGS SUPV: FNG CERTIFIED: 02/09/96 ISSUE: 15					DRAFT: TMR ENGR: MGS SUPV: FNG CERTIFIED: 10/28/94 ISSUE: 10					CHG TAG H6960=LIST N READ STD. LISTS P & Q ADDED. ORIG ISS: 10/28/92 CHANGE CLASS: B DRAFT: JJR ENGR: JJR SUPV: CERTIFIED: 11/06/92 ISSUE: 2				
H7680 - LISTS 1,2A,3,4,5,6,7B,8,9A,10,11,12,13,14,15,500,501,502,503,504,505,506,507,508,509,510,511,512,513,L,M,F1,F2,F3,F4 MODIFIED TO CORRECT SD REFERENCES; LIST 11 RERATED DA; LISTS 11A,16 ADDED; SL ITEMS 1295,1390 ADDED; NOTES 73,165 ADDED; NOTES 59,152 MODIFIED; PROPRIETARY CODE REVISED FOR LUCENT TECHNOLOGIES. EE03752 - LISTS 7B,9A,506,508 MODIFIED TO INCLUDE ENGR NOTE REFS PER CAROD EE03752 UM74C - LISTS 2A,501 RERATED DA; LISTS 2B,501A ADDED; SL ITEMS 1142,5152 ADDED; TABLES D4,D5,D10 MODIFIED; NOTE 154 MODIFIED. BKDWRNG - SL ITEMS 1015,5000 LINED OUT; ST ITEMS 1016,5002 ADDED. ORIG ISS: 10/28/92 NDD NBR: NDD5D003NW-685 CHANGE CLASS: B					H7244V2 - MODIFY LISTS V & W DESCRIPTIONS FOR EXM AND AWS ONLY; ADD DA EFF DATE FOR L2. ORIG ISS: 10/28/92 NDD NBR: NDD5D003NW-484 CHANGE CLASS: B					CHG TAG PT3=QTY SL ITEM 1310 READ 104. CHG TAG H6995=LIST 12 ADDED. ORIG ISS: 10/28/92 CHANGE CLASS: AU DRAFT: JJR ENGR: JJR SUPV: CERTIFIED: 03/05/93 ISSUE: 3				
DRAFT: MGS ENGR: MGS SUPV: FNG CERTIFIED: 09/18/96 ISSUE: 16					DRAFT: MGS ENGR: MGS SUPV: FNG CERTIFIED: 10/31/94 ISSUE: 11					CHG TAG 34508=LIST 7 READ STD, LIST 7A ADDED. ORIG ISS: 10/28/92 CHANGE CLASS: AU DRAFT: JJR ENGR: JJR SUPV: CERTIFIED: 03/22/93 ISSUE: 4				
H7680 FINAL SUPPLEMENT 1 - LIST V,W DESCRIPTION REVISED TO REQUIRE ORDERING IN ADDITION TO LIST 2B. ORIG ISS: 10/28/92 NDD NBR: NDD5D003NW-685 CHANGE CLASS: B					H7412 - LIST 2 RERATED TO LA, DESCRIPTION MODIFIED, DA DATE MODIFIED. ORIG ISS: 10/28/92 NDD NBR: NDD5D003NW-564 CHANGE CLASS: MF					CHG TAG 34516=LIST 9 READ STD, LIST 9A ADDED. CHG TAG PT5=NOTE 66 ADDED. ORIG ISS: 10/28/92 CHANGE CLASS: AU DRAFT: JJR ENGR: JJR SUPV: CERTIFIED: 05/18/93 ISSUE: 5				
DRAFT: MGS ENGR: MGS SUPV: FNG CERTIFIED: 10/01/96 ISSUE: 17					DRAFT: MGS ENGR: MGS SUPV: FNG CERTIFIED: 11/14/94 ISSUE: 12					H7052. SHEET B1 MOFIFIED, LOCATION OF MOUNTING BRACKETS CLARIFIED. ORIG ISS: 10/28/92 NDD NBR: NDD5D003NW-401 CHANGE CLASS: ME DRAFT: MLG ENGR: JJR SUPV: PK CERTIFIED: 07/02/93 ISSUE: 6				
H7866 - KLU1B ADDED - LISTS 9A,508 DA'D, LISTS 9B,508A,X,Y ADDED; SL ITEMS 1163,1400,1410,5222 ADDED; NOTES 74,166 ADDED; NOTES 58,61,62,64,155,159 MODIFIED; TABLES AA,D4,D5,D10 MODIFIED; SHEETS B1,B2,B3 MODIFIED; LISTS P,Q DESCRIPTIONS MODIFIED. ORIG ISS: 10/28/92 NDD NBR: NDD5D003NW-763 CHANGE CLASS: B					H7324 - LISTS 500-513, B1-B8, E1, F1-F4, AND G ADDED; NOTES 151 AND 152 ADDED; SL ITEMS 5000-5270 ADDED; L15 DESC. MODIF.; NOTE 23 MODIF.; SL ITEM 1350 MODIF. ORIG ISS: 10/28/92 NDD NBR: NDD5D003NW-518 CHANGE CLASS: B					(PT51) ENGINEERING NOTES 58,60,61,62 AND 64 CHANGED LIST REFERENCE 7 & 9 TO 7A & 9A. ADDED ST ITEM 1015. CHG TAG 34546=LIST 7A READ STD, LIST 7B ADDED. ORIG ISS: 10/28/92 CHANGE CLASS: AU DRAFT: PKK ENGR: JJR SUPV: CERTIFIED: 08/24/93 ISSUE: 7				
DRAFT: MGS ENGR: MGS SUPV: FNG CERTIFIED: 02/19/97 ISSUE: 18					DRAFT: MGS ENGR: MGS SUPV: FNG CERTIFIED: 01/10/95 ISSUE: 13					CHG TAG 34551=FE CLEI ADDED TO SL ITEM 1161. ORIG ISS: 10/28/92 CHANGE CLASS: AC DRAFT: JJR ENGR: JJR SUPV: CERTIFIED: 08/24/93 ISSUE: 8				
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: 10/28/92 NDD NBR: NONE CHANGE CLASS: AC					H7522 - DATE 3 REVISIONS; NOTES 153-164 AND REFS. TO ADDED; MISC. TABLES D1-D10 ADDED. PI13.1 - ML LIST CLASS ADDED TO L1,L500; SL ITEM 1290 MODIFIED; NOTES 64,65,67,69,72,152 MODIFIED; COMCODES ADDED TO SHEET B3. PI13.2 - SL ITEMS 1380,5050 MODIFIED WITH "*/"; MODIFIED CIRCUIT DATA IN TA FOR LISTS 2A,3,4,5,6,7B,8,9A,10,12,13,14,15. ISSUE NOTE 10 SHOULD HAVE READ - "SL ITEM 1010 LINED OUT; SL ITEM 1015 MODIFIED." ORIG ISS: 10/28/92 NDD NBR: NDD5D003NW-622 CHANGE CLASS: MF					CHG TAG H7124=NOTE 20 REVISED AND SHEET B2 ADDED. ORIG ISS: 10/28/92 CHANGE CLASS: B DRAFT: MGS ENGR: MGS SUPV: FNG CERTIFIED: 01/14/94 ISSUE: 9				
DRAFT: WAM ENGR: WAM SUPV: FNG CERTIFIED: 05/13/97 ISSUE: 19					DRAFT: MGS ENGR: MGS SUPV: FNG CERTIFIED: 07/31/95 ISSUE: 14									

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REPLACED BY J5D003NB-2		BT13	
5ESS SWITCHING EQUIPMENT SPECIFICATION FOR TIME SLOT INTERCHANGE UNIT MODEL 4			
DWG SIZE C2	ISSUE 26		
LUCENT TECHNOLOGIES INC		J5D003NB-1	SHEET A1 OF 15

ENGINEERING NOTES

***** CONTINUED *****

(LIST 9A OR 9B) REQ'D IS DETERMINED BY THE TOTAL NUMBER OF TSIS PORTS REQUIRED TO SUPPORT THE FOLLOWING APPLICATIONS: NETWORK AND PERIPHERAL LINKS, DX LINKS (EITHER FIXED OR CABLED), AND XCDU TSI (XDX) LINKS.

DX BOARDS ARE EQUIPPED IN PAIRS IN THE FOLLOWING POSITIONS:

22-028	22-124
22-036	22-132
22-044	22-140
22-052	22-148
22-060	22-156
22-068	22-164

TSIS BOARDS ARE EQUIPPED IN PAIRS IN THE FOLLOWING POSITIONS:

04-018	04-106
04-026	04-114
04-034	04-122
04-042	04-130
04-050	04-138
04-060	04-148
04-068	04-156
04-076	04-164
04-084	04-172
04-092	04-180

62. ONE EACH OF LISTS A,B,D & E AND TWO EACH OF LISTS C & F ARE ALWAYS REQUIRED. THE EQUIPMENT POSITION FOR THE LIST E THAT IS ALWAYS REQUIRED IS LEVEL 04, SLOT 1.

THE TOTAL OF LIST G + LIST 7B MUST EQUAL TWELVE. THE TOTAL OF LIST E + LIST 9A OR 9B MUST EQUAL 21.

IF ONLY TWO POWER MODULES (LIST 5) ARE SPECIFIED, THEN SIX LIST H ARE REQUIRED. IF THE THIRD AND FOURTH POWER MODULES ARE SPECIFIED THEN ZERO LIST H ARE REQUIRED.

63. REFER TO TABLE AA FOR CIRCUIT PACK GROWTH SEQUENCE.

64. TSIU4-1 NETWORK LINK INTERFACE (NLI) PACK EQUIPAGE FOR CM2/CM3 APPLICATIONS IS AS FOLLOWS:

TSIU4-1 PACK	WAVELENGTH	FIBER OPTIC CONN TYPE	CM PACK	CM UNIT
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 10 (BKD1) AND LIST 18 (BKD11).

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 ARE EQUIPPED IN THE FOLLOWING POSITIONS:

	SIDE 0	SIDE 1
TSIS 0	13-18-100 13-18-132	13-106-100 13-106-132

NETWORK LINKS FOR EXM2000 AND CM2C ARE PROVIDED BY OTHER PACKS AND LIST 10'S ARE NOT REQUIRED. NO NETWORK LINKS AT ALL ARE REQUIRED FOR AWS/SM2000 CONFIGURATIONS.

FOR ADDITIONAL EQUIPAGE BEYOND THE PRIMARY NETWORK LINKS, IT IS REQUIRED THAT NLI'S (LIST 10) BE EQUIPPED IN EVEN/ODD PORT PAIRS PER SLICE (LIST 9A OR 9B) PER SIDE.

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

	SIDE 0	SIDE 1
TSIS 1	04-026-100 04-026-132	04-114-100 04-114-132
TSIS 2	04-034-100 04-034-132	04-122-100 04-122-132
TSIS 3	04-042-100 04-042-132	04-130-100 04-130-132

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

	SIDE 0	SIDE 1
	CONTINUED ON NEXT SHEET	

ENGINEERING NOTES

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

52. THIS DOCUMENT CONTAINS COMPLETE ENGINEERING INFORMATION FOR THE SUBJECT EQUIPMENT.

53. LISTS L & M & S & T ARE MUTUALLY EXCLUSIVE. ONLY ONE MUST ALWAYS BE SPECIFIED.

54. UNASSIGNED.

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. EQL POSITIONS FOR FUSES IN THE J5D003FJ FUSE/FILTER UNIT ARE TO BE ASSIGNED PER CABLING DRAWING ED5D693-20.

58. IF ONLY TWO POWER MODULES (LIST 5) ARE EQUIPPED, TWO POWER MODULE INTERLOCK BOARDS (LIST 6) ARE REQUIRED. IF FOUR POWER MODULES ARE EQUIPPED, THEN THE POWER MODULE INTERLOCK BOARDS ARE NOT REQUIRED. THE THIRD AND FOURTH POWER MODULES ARE REQ'D WHEN THE SIXTH DX BOARD (LIST 7B) AND/OR THE FOURTH TSIS BOARD (LIST 9A OR 9B) IS EQUIPPED.

59. POWER CABLING FOR THE TSIU4 IS ORDERED FROM CABLING DRAWING ED5D693-20. TSIU4 TO SMPU4 (J5D003NA) CABLING IS SUPPLIED FROM ED5D734-10, G501 (L11) OR ED5D734-40, G1 (L11A). LISTS 11 AND 11A ARE MUTUALLY EXCLUSIVE; ONLY ONE SHOULD BE ORDERED IN ADDITION TO LIST 1. TSIU4 TO SMPU5 (J5D003NG) CABLING IS SUPPLIED FROM ED5D734-40, G2 (L16).

60. FIRST DX (DX0) IN EACH SERVICE GROUP IS FIXED ASSIGNED TO THE FIRST TSIS SLICE IN EACH SERVICE GROUP. THE BACKPLANE PROVIDES CAPABILITY TO CREATE LINKS BETWEEN DESIGNATED TSIS PORTS AND DX1 THRU DX5 ON EACH SIDE.

QUANTITY OF 2 DX/TSIS JUMPER PADDLEBOARDS (LIST 8) ARE REQUIRED FOR EACH OF THE THIRD THROUGH TWELFTH DX BOARDS (LIST 7B), WHERE USE OF THE FIXED DX/TSIS LINKS IS DESIRED. THE DESIGNATED TSIS PORT/DX BOARD FIXED LINKS THAT ARE AVAILABLE ARE AS FOLLOWS:

LINKS	JUMPER EQL'S	LIST 8 QTY
DX0/TSIS0	FIXED LINK-JUMPER NOT REQUIRED	0
DX1/TSIS1 PORT 2	13-026-000,13-114-000 22-042-032,22-138-032	4
DX2/TSIS1 PORT 3	13-026-032,13-114-032 22-050-032,22,146-032	4
DX3/TSIS2 PORT 2	13-034-000,13-122-000 22-058-032,22-154-032	4
DX4/TSIS2 PORT 3	13-034-032,13-122-032 22-066-032,22-162-032	4
DX5/TSIS3 PORT 2	13-042-000,13-130-000 22-074-032,22-170-032	4

WHERE USE OF THE FIXED DX/TSIS LINKS IS NOT DESIRED OR ALLOWED, QUANTITY OF ONE DX/TSIS JUMPER CABLE IS TO BE USED INSTEAD OF JUMPER PADDLEBOARD PAIR FOR ANY OF THE THIRD THROUGH TWELFTH DX BOARDS (LIST 7B). EXAMPLES OF APPLICATIONS INCLUDE NON-SQUARE TSI AND THE FIXED PORT ASSIGNMENTS ASSOCIATED WITH EXM2000 CABLING. DX/TSIS JUMPER CABLES ARE ORDERED FROM ED5D734-10, TABLE D, FOR ANY COMBINATION OF TSIS PORT AND DX BOARD. CABLES ARE EQUIPPED IN PAIRS, ONE PER SIDE. JUMPER CABLES AND PADDLEBOARD PAIRS MAY BE EQUIPPED AS NEEDED TO CREATE THE REQUIRED DX/TSIS LINKS, BUT ANY GIVEN LINK MUST HAVE THE SAME EQUIPAGE ON EACH SERVICE GROUP. IN GENERAL, THE ENTIRE WIRING SIDE EQUIPAGE OF TSIU4 SERVICE GROUPS 0 AND 1 MUST BE IDENTICAL.

THE LINE ENGINEER IS TO FURNISH DX/TSIS JUMPER PADDLEBOARD (LIST 8) EQUIPAGE INFORMATION TO THE SHOP FOR TSIU4 WIRING SIDE DESIGNATION LABEL STAMPING.

61. FOR SM2000 RELEASE 1 SQUARED SM CONFIGURATIONS, THE QUANTITY OF TSIS BOARDS (LIST 9A OR 9B) REQUIRED SHOULD BE DETERMINED PER THE FOLLOWING TABLE. THE QUANTITIES IN THIS TABLE ARE PER SHELF (INCLUDES SIDE 0 AND 1).

QTY OF DX BOARDS (LIST 7B)	QTY OF TSIS BOARDS (LIST 9A OR 9B)
2	2
4	4
6	4
8	6
10	6
12	8

FOR NON-SQUARE SM CONFIGURATIONS, THE QUANTITY OF TSIS BOARDS CONTINUED TO THE LEFT

ISSUE NOTES (CONTINUED)

REFERENCE CN74526.1NW, THIS IS A CLASS AC CHANGE THAT APPLIES TO THE 486AA POWER CONVERTER CIRCUIT PACKS SERIES 4, 5, 6, 7 AND SHOULD BE UPDATED TO SERIES 8. SERIES 1, 2 & 3 ARE NOT AFFECTED BY THIS CHANGE.

ORIG ISS: 10/28/92 NDD NBR: NONE CHANGE CLASS: AC

DRAFT: WAM	ENGR: WAM	SUPV: FNG	CERTIFIED: 10/14/97	ISSUE: 20
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REFERENCE CN84509NW, THIS IS A CONDITIONAL CLASS A CHANGE THAT APPLIES TO THE UM74B CIRCUIT PACKS SERIES 2, 3, & 4. ALSO UM74C CIRCUIT PACKS SERIES 2 & 3. UPDATED STOCKLIST ITEMS 1141 & 1142 TO INCLUDE NEW CLEI CODE INFORMATION FOR UM74B & UM74C.

ORIG ISS: 10/28/92 NDD NBR: NONE CHANGE CLASS: AC

DRAFT: WAM	ENGR: WAM	SUPV: FNG	CERTIFIED: 06/03/98	ISSUE: 21
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NDD CASE# H8391, CHANGE TAG UM74D. ADD LIST 2C & STOCKLIST ITEM 1143 (UM74D CIRCUIT PACK). ADD LIST AA & STOCKLIST ITEM 1420 (UM74D PATCH LABEL). DISCONTINUE AVAILABILITY OF UM74C, LIST 2B. CHANGE STOCKLIST ITEM 1300 FROM G100 TO G104. CHANGE STOCKLIST ITEM 1400 FROM G178 TO G179. ADD ENGINEERING NOTE 75 FOR TRCU3 LINKS. REFERENCE ENGINEERING NOTE 75 IN LIST 10. DA LISTS V & W (UM74B PATCH LABELS). RESOLVE CAROD# 7372, IMR# 650209, ENGINEERING NOTE 60 REFERS TO "DX2/TSIS2 PORT 3" CHANGE TO READ "DX2/TSIS1 PORT 3".

ORIG ISS: 10/28/92 NDD NBR: NDD5D003NW-928 CHANGE CLASS: B

DRAFT: WAM	ENGR: WAM	SUPV: FNG	CERTIFIED: 11/23/98	ISSUE: 22
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REFERENCE CN94520NW, THIS IS A CONDITIONAL CLASS A CHANGE THAT APPLIES TO THE KLU1B. ST ITEMS 1163 & 5222 CHGD TO UPDATE CLEI CODE INFORMATION FOR THE KLU1B.

ORIG ISS: 10/28/92 NDD NBR: NONE CHANGE CLASS: AC

DRAFT: WAM	ENGR: WAM	SUPV: FNG	CERTIFIED: 07/22/99	ISSUE: 23
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CASE H8653. TBL A, ADD LIST 17 (BKD10). ADD SL ITEM 1345 (BKD10). ADD BKD2 TO ENG NOTE 67. ADD ENG NOTES 76, 77 & 499. REFERENCE ENG NOTE 499 IN TBL A LIST 10, 12, 13, 14 & 17. TBL A, LIST 15 UPDATED TO SPECIFY E1 AND T1 RATE. TBL A, LIST 13 UPDATE TO SPECIFY PDXU WITH ST2 FIBER OPTIC CONNECTION.

ORIG ISS: 10/28/92 NDD NBR: NDD5D003NW-1004 CHANGE CLASS: ME

DRAFT: WAM	ENGR: WAM	SUPV: FNG	CERTIFIED: 10/08/99	ISSUE: 24
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CASE# H09050. ENG NOTE 499, ADDED REFERENCE TO ED5D872-10, ED5D872-11 & BKD11 FOR OXU APPLICATIONS. TBL A, ADDED LIST 18. ADDED SL ITEM 1355 (BKD11). ADDED BKD10 & BKD11 LABEL INFORMATION TO GRAPHIC SHEET B2.

ORIG ISS: 10/28/92 NDD NBR: WS0000084 CHANGE CLASS: B

DRAFT: WAM	ENGR: WAM	SUPV: FNG	CERTIFIED: 08/16/00	ISSUE: 25
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CASE # H9207. TBL A REFERENCE ENG NOTE 500 IN LISTS 2C, 3-6, 7B, 8, 9B, 10, 11A, 12-18, F1-F4, G1. TBL A REMOVE REFERENCE TO ENG NOTE 151 IN LISTS F1-F4, G1. TBL A, EXPAND ON DESCRIPTION TO INCLUDE 7R/E APPLICATIONS IN LISTS 12, 13, 17, 18.

ORIG ISS: 10/28/92 CHANGE CLASS: ME

DRAFT: WAM	ENGR: WAM	SUPV: FNG	CERTIFIED: 01/12/01	ISSUE: 26
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BT13

5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
TIME SLOT INTERCHANGE UNIT
MODEL 4

DWG SIZE C2	ISSUE 26
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LUCENT TECHNOLOGIES INC J5D003NB-1

SHEET A2
OF 15

ENGINEERING NOTES

***** CONTINUED *****

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

	SIDE 0	EQL & PORT #	SIDE 1	EQL & PORT #
1ST DUPLEX NCT2 LINK	13-018-100	2	13-106-100	2
	13-018-132	3	13-106-132	3
2ND DUPLEX NCT2 LINK	04-026-100	4	04-114-100	4
	04-026-132	5	04-114-132	5
3RD DUPLEX NCT2 LINK	13-026-100	6	13-114-100	6
	13-026-132	7	13-114-132	7
4TH DUPLEX NCT2 LINK	04-034-100	8	04-122-100	8
	04-034-132	9	04-122-132	9
5TH DUPLEX NCT2 LINK	13-034-100	10	13-122-100	10
	13-034-132	11	13-122-132	11
6TH DUPLEX NCT2 LINK	04-042-100	12	04-130-100	12
	04-042-132	13	04-130-132	13
7TH DUPLEX NCT2 LINK	13-042-100	14	13-130-100	14
	13-042-132	15	13-130-132	15
8TH DUPLEX NCT2 LINK	04-050-100	16	04-138-100	16
	04-050-132	17	04-138-132	17
9TH DUPLEX NCT2 LINK	13-050-100	18	13-138-100	18
	13-050-132	19	13-138-132	19
10TH DUPLEX NCT2 LINK	04-060-100	20	04-148-100	20
	04-060-132	21	04-148-132	21
11TH DUPLEX NCT2 LINK	13-060-100	22	13-148-100	22
	13-060-132	23	13-148-132	23
12TH DUPLEX NCT2 LINK	04-068-100	24	04-156-100	24
	04-068-132	25	04-156-132	25

76. 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 BACKPLANE AT THE FOLLOWING EQLS: 22-020-353, 22-116-353

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

77. PLI'S (BKD10 LIST 17) ARE EQUIPPED IN PAIRS, ONE PER SIDE, IN ANY AVAILABLE TSIS PORT EXCEPT THE RESERVED PRIMARY NETWORK LINK PORTS ON TSIS 0. SEE NOTE 64 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.

78. NLI'S (BKD11 LIST 18) ARE EQUIPPED IN PAIRS, ONE PER SIDE, IN ANY AVAILABLE TSIS PORT. SEE NOTE 64 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.

151. THIS LIST IS NOT GENERALLY AVAILABLE, BUT IS INTENDED TO SUPPORT FACTORY OFFLOADS FROM NETWORK SYSTEMS INTERNATIONAL (NSI).

152. TSU4 TO SMPU4 INTER-UNIT CABLES ARE ORDERED FROM ED5D734-10, GROUPS 501 OR 501A, OR ED5D734-40, GROUP 1. THESE GROUPS ARE MUTUALLY EXCLUSIVE; ONLY ONE (1) IS REQUIRED PER UNIT. TSU4 TO SMPU5 (J5D003NG) CABLES ARE ORDERED FROM ED5D734-40, G2. TSU4 INTRA-UNIT CABLES (DX/TSIS LINKS) ARE VARIABLE ASSIGNED AND ORDERED FROM ED5D734-10, TABLE D. CABLING FOR ELECTRICAL NLI LINKS TO TRCU2 FOR EXM2000 CAN BE ORDERED FROM ED5D618-40. CABLING FOR VCDX/SM2000 OR EXM2000 EXTERNAL TIMING SOURCE LINKS TO BITS OR CROSS CONNECT/REPEATER BAY CAN BE ORDERED FROM ED5D500-21. EXTERNAL TIMING SOURCE LINKS FOR VCDX/SM2000 TO DFI CAN BE ORDERED FROM ED5D500-21.

153. ONE LIST 500 ALWAYS REQUIRED.

154. TWO EACH OF LIST 501 OR 501A AND 502, AND FOUR LIST 503'S ARE

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

ENGINEERING NOTES

***** CONTINUED *****

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 DX 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	13-018-100	2	13-106-100	2
	13-018-132	3	13-106-132	3
CIRCUITS 2/3	04-026-100	4	04-114-100	4
	04-026-132	5	04-114-132	5
2ND TRCU2 CIRCUITS 0/1	13-026-100	6	13-114-100	6
	13-026-132	7	13-114-132	7
CIRCUITS 2/3	04-034-100	8	04-122-100	8
	04-034-132	9	04-122-132	9
3RD TRCU2 CIRCUITS 0/1	13-034-100	10	13-122-100	10
	13-034-132	11	13-122-132	11
CIRCUITS 2/3	13-042-100	14	13-130-100	14
	13-042-132	15	13-130-132	15
4TH TRCU2 CIRCUITS 0/1	04-042-100	12	04-130-100	12
	04-042-132	13	04-130-132	13
CIRCUITS 2/3	04-050-100	16	04-138-100	16
	04-050-132	17	04-138-132	17
5TH TRCU2 CIRCUITS 0/1	13-050-100	18	13-138-100	18
	13-050-132	19	13-138-132	19
CIRCUITS 2/3	04-060-100	20	04-148-100	20
	04-060-132	21	04-148-132	21
6TH TRCU2 CIRCUITS 0/1	13-060-100	22	13-148-100	22
	13-060-132	23	13-148-132	23
CIRCUITS 2/3	13-068-100	26	13-156-100	26
	13-068-132	27	13-156-132	27

CABLES FOR ENLI LINKS ARE ORDERED FROM ED5D618-40.

70. CABLING FOR ELECTRICAL NLI LINKS TO TRCU2 FOR EXM2000 CAN BE ORDERED FROM ED5D618-40.

71. LISTS 10, 12 AND 14 ARE MUTUALLY EXCLUSIVE. ONLY ONE SHOULD BE EQUIPPED FOR ANY GIVEN SM2000 CONFIGURATION.

72. CABLING FOR ASW/SM2000 OR EXM2000 EXTERNAL TIMING SOURCE LINK TO BITS OR CROSS CONNECT/REPEATER BAY CAN BE ORDERED FROM ED5D500-21. EXTERNAL TIMING SOURCE LINK FOR AWS/SM2000 TO DFI CAN BE ORDERED FROM ED5D765-40.

73. FIBER OPTIC CABLE TAKE-UP SPOOLS SHOULD BE SUPPLIED FOR EACH SMC2000 CABINET EQUIPPED WITH TSU4. TWO (2) DOUBLE SPOOLS REQUIRED PER SMC CABINET, EQUIPPED IN THE CABLE RACK. ORDER FROM ED5D518-10.

74. KLUB (LIST 9B) MUST BE EQUIPPED IN THE TSU4 FOR THOSE PORTS SUPPORTING TSI LINKS TO XCDU (J5D003NF-1). NON-XCDU PORTS CAN BE PROVIDED BY KL1 OR KLUB (LIST 9A OR 9B), WITH MIXING ALLOWED. SIDE 0 AND SIDE 1 TSIS EQUIPAGE SHOULD BE IDENTICAL.

LINE ENGINEER TO PROVIDE EQL STAMPING INFORMATION FOR DESIGNATION LABEL WHEN LISTS X AND Y ARE ORDERED.

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

75. 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 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 WIRING SIDE DESIGNATION LABEL STAMPING.

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ENGINEERING NOTES

***** CONTINUED *****

TSIS 1	04-026-100	04-114-100
	04-026-132	04-114-132
	13-026-100	13-114-100
	13-026-132	13-114-132
TSIS 2	04-034-100	04-122-100
	04-034-132	04-122-132
	13-034-100	13-122-100
	13-034-132	13-122-132
TSIS 3	04-042-100	04-130-100
	04-042-132	04-130-132
	13-042-100	13-130-100
	13-042-132	13-130-132
TSIS 4	04-050-100	04-138-100
	04-050-132	04-138-132
	13-050-100	13-138-100
	13-050-132	13-138-132
TSIS 5	04-060-100	04-148-100
	04-060-132	04-148-132
	13-060-100	13-148-100
	13-060-132	13-148-132
TSIS 6	04-068-100	04-156-100
	04-068-132	04-156-132
	13-068-100	13-156-100
	13-068-132	13-156-132
TSIS 7	04-076-100	04-164-100
	04-076-132	04-164-132
	13-076-100	13-164-100
	13-076-132	13-164-132
TSIS 8	04-084-100	04-172-100
	04-084-132	04-172-132
	13-084-100	13-172-100
	13-084-132	13-172-132
TSIS 9	04-092-100	04-180-100
	04-092-132	04-180-132
	13-092-100	13-180-100
	13-092-132	13-180-132

IN GENERAL, TSU4 SERVICE GROUP 0 AND SERVICE GROUP 1 WIRING SIDE EQUIPAGE MUST BE IDENTICAL. LINE ENGINEER TO FURNISH TSIS PORT EQUIPAGE INFORMATION TO SHOP FOR TSU4 WIRING SIDE DESIGNATION LABEL STAMPING.

65. FOR SM2000 RELEASE 1 IN CONJUNCTION WITH CM2C, MAXIMUM AND MINIMUM OF TWO NLI'S (LIST 12) PER SIDE ARE ALLOWABLE OPTION.

LIST 12'S ARE EQUIPPED IN THE FOLLOWING POSITIONS.

13-018-100	13-106-100
13-018-132	13-106-132

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

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

67. PLI'S (BKD2 LIST 13) ARE EQUIPPED IN PAIRS, ONE PER SIDE, IN ANY AVAILABLE TSIS PORT EXCEPT THE RESERVED PRIMARY NETWORK LINK PORTS ON TSIS 0. SEE NOTE 64 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.

68. OPTICAL FIBER CABLING FOR NLI LINKS TO CM2 CAN BE ORDERED FROM ED5D500-21, GROUP 13. OPTICAL FIBER CABLING FOR PLI LINKS TO DNU-S CAN BE ORDERED FROM ED5D500-21, GROUP 14. OPTICAL FIBER CABLING FOR NLI LINKS TO CM2C CAN BE ORDERED FROM ED5D751-11, GROUP 11.

69. ENLI'S (LIST 14) ARE EQUIPPED IN PAIRS PER SIDE TO SUPPORT TWO CIRCUITS OF A TRCU2. ENLI LOCATIONS ARE DETERMINED BY FIXED

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BT13

SESS SWITCHING EQUIPMENT
SPECIFICATION FOR
TIME SLOT INTERCHANGE UNIT
MODEL 4

DWG SIZE C2 ISSUE 26

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
ASSEMBLY & EQUIPMENT FOR ONE SHELF ASSEMBLY FOR TSIU4 WHICH PROVIDES APPARATUS HOUSING, DESIGNATION STRIP, BACKPLANE & MISCELLANEOUS HARDWARE.	59		1						SD5D196-01	1	
COMMON (COMM) CIRCUIT PACK FOR TSIU4. REQUIRED IN ADDITION TO LIST 1 FOR NON-EXM2000 OR NON-AWS/SM2000 APPLICATIONS. ONE PER SIDE REQUIRED. DA EFF:02/09/96 FE:J5D003NB-1,L2A		DA	2								
COMMON (COMM) CIRCUIT PACK FOR TSIU4. REQUIRED IN ADDITION TO LIST 1, ONE PER SIDE. REQUIRED FOR EXM2000 AND AWS/SM2000. REPL:J5D003NB-1,L2 DA EFF:09/18/96 FE:J5D003NB-1,L2B		DA	2A						SD5D196-01	2	V
COMMON (COMM) CIRCUIT PACK FOR TSIU4. REQUIRED IN ADDITION TO LIST 1, ONE PER SIDE. REQUIRED FOR EXM2000 AND AWS/SM2000. REPL:J5D003NB-1,L2A DA EFF:12/21/98 FE:J5D003NB-1,L2C		DA	2B						SD5D196-01	2	U
TSI COMMON APPARATUS (UM74D). TWO LIST 2C'S ALWAYS REQUIRED IN ADDITION TO LIST 1. REQUIRED WHEN SEMI-INTEGRATED STRATUM 3E CLOCK SOURCE FEATURE IS SPECIFIED. REPL:J5D003NB-1,L2B	500		2C						SD5D196-01	2	S
CONTROL TIME SLOT AND NUMBER SELECTION (CTSNS) BOARD FOR TSIU4. REQUIRED IN ADDITION TO LIST 1. MOUNTS ON WIRING SIDE OF UNIT. ONE REQUIRED PER SIDE.	500		3						SD5D196-01	2	
CONTROL BUS TERMINATOR (CBT) BOARD FOR TSIU4. REQUIRED IN ADDITION TO LIST 1. TWO REQUIRED PER SIDE, MOUNTS ON WIRING SIDE OF UNIT.	500		4						SD5D196-01	2	
400W POWER MODULE FOR TSIU4. REQUIRED IN ADDITION TO LIST 1.	58 500		5						SD5D196-01	3	
POWER INTERLOCK BOARD (PIB) FOR TSIU4. MOUNTS ON WIRING SIDE OF UNIT.	58 500		6						SD5D196-01	4	ZB
DATA EXPANSION (DX) CIRCUIT PACK FOR TSIU4. REQUIRED IN ADDITION TO LIST 1. PROVIDES 24 PIDB PORTS. ONE REQUIRED PER SIDE TO MAXIMUM OF SIX PER SIDE. DA EFF:03/19/93 FE:J5D003NB-1,L7A		DA	7								
DATA EXPANSION (DX) CIRCUIT PACK FOR TSIU4. REQUIRED IN ADDITION TO LIST 1. PROVIDES 24 PIDB PORTS. ONE REQUIRED PER SIDE TO MAXIMUM OF SIX PER SIDE. DA EFF:08/24/93 FE:J5D003NB-1,L7B		DA	7A								
DATA EXPANSION (DX) CIRCUIT PACK FOR TSIU4. REQUIRED IN ADDITION TO LIST 1. PROVIDES 24 PIDB PORTS. ONE REQUIRED PER SIDE TO MAXIMUM OF SIX PER SIDE.	58 500		7B						SD5D196-01	5	
DX/TSIS JUMPER PADDLE BOARD FOR TSIU4. REQUIRED IN ADDITION TO LIST 1 WHEN FIXED ASSIGNED DX TO TSIS PORT INTERCONNECTS ARE UTILIZED. MOUNTS ON WIRING SIDE, EQUIPED IN PAIRS PER SIDE.	60 500		8						SD5D196-01	6	ZA

TABLE-A CONTINUED

J5D003NB-1

ENGINEERING NOTES

***** CONTINUED *****

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.

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

ENGINEERING NOTES

***** CONTINUED *****

ALWAYS REQUIRED.

155. TWO LIST 504'S ARE ALWAYS REQUIRED. MAXIMUM OF FOUR LIST 504'S REQUIRED IF SIX LIST 506'S AND/OR FOUR LIST 508'S (OR 508A'S) ARE EQUIPPED PER SIDE (TOTAL OF TWELVE LIST 506'S AND/OR EIGHT LIST 508'S OR 508A'S).

156. MINIMUM OF ZERO LIST 505'S REQUIRED IF FOUR LIST 504'S ARE EQUIPPED. MAXIMUM OF TWO LIST 505'S REQUIRED IF TWO LIST 504'S ARE EQUIPPED. ONE PER SIDE, EQUIPPED ON THE WIRING SIDE.

157. MINIMUM OF ONE AND MAXIMUM OF SIX LIST 506'S REQUIRED PER SIDE. PROVIDE 24 PIDB PORTS EACH.

158. MINIMUM OF ZERO AND MAXIMUM OF TEN LIST 507'S REQUIRED PER SIDE. EQUIPPED ON WIRING SIDE IN PAIRS PER SIDE TO PROVIDE INTERNAL DX/TSI LINK FOR DX1-DX5 (DX0 FIXED CONNECTION). USED IN CONJUNCTION WITH OR INDEPENDENT OF DX/TSI FLEXIBLE LINK CABLES (SEE NOTE 152). IDENTICAL EQUIPAGE REQUIRED ON EACH SIDE, SEE NOTE 60 FOR ALLOWABLE EQUIPAGE POSITIONS.

159. MINIMUM OF ONE AND MAXIMUM OF TEN LIST 508'S REQUIRED PER SIDE. PROVIDES 3072 TIME SLOTS DIVIDED INTO 4 PORTS. CAN BE MIXED WITH OR REPLACED BY LIST 508A, INCLUDING FIRST PACK POSITION.

160. MINIMUM OF ZERO AND MAXIMUM OF TWENTY LIST 509'S REQUIRED PER SIDE, PROVIDES ONE NCT2 LINK. EQUIPPED IN PAIRS PER SIDE ON THE WIRING SIDE. SEE NOTE 64 FOR EQUIPAGE POSITIONS.

161. MINIMUM OF ZERO AND MAXIMUM OF TWO LIST 510'S REQUIRED PER SIDE. PROVIDES ONE NCT LINK TO CM2C. EQUIPPED IN PAIRS PER SIDE ON THE WIRING SIDE. SEE NOTE 65 FOR EQUIPAGE POSITIONS.

162. MINIMUM OF ZERO AND MAXIMUM OF EIGHTEEN LIST 511'S REQUIRED PER SIDE. PROVIDES ONE PCT LINK TO DNU-S. EQUIPPED ONE PER SIDE ON THE WIRING SIDE. SEE NOTE 64 FOR EQUIPAGE POSITIONS.

163. MINIMUM OF ZERO AND MAXIMUM OF TWENTY-FOUR LIST 512'S REQUIRED PER SIDE. PROVIDES ONE ELECTRICAL NCT LINK TO TRCU2 FOR EXM2000. EQUIPPED IN PAIRS PER SIDE ON THE WIRING SIDE. SEE NOTE 69 FOR EQUIPAGE POSITIONS.

164. MINIMUM OF ZERO AND MAXIMUM OF ONE LIST 513 REQUIRED PER SIDE. PROVIDES SELECTION OF 30 CHANNEL MODE FOR EXTERNAL CLOCK SOURCING. DEFAULT WITHOUT LIST 513 IS 24 CHANNEL MODE. EQUIPPED ON THE WIRING SIDE.

165. FIBER OPTIC CABLE TAKE-UP SPOOLS SHOULD BE SUPPLIED FOR EACH SMC2000 CABINET EQUIPED WITH TSIU4. TWO (2) DOUBLE SPOOLS REQUIRED PER SMC CABINET, EQUIPED IN THE CABLE RACK. ORDER FROM ED5D518-10.

166. MINIMUM OF ZERO AND MAXIMUM OF TEN LIST 508A REQUIRED PER SIDE. PROVIDES 3072 TIME SLOTS DIVIDED INTO 4 PORTS SUPPORTING XCDU TSI LINKS. CAN BE MIXED WITH OR USED IN PLACE OF LIST 508 AS REQUIRED.

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 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.

REFERENCE ED5D734-15 FOR ORDERING POWER CABLES.

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

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5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
TIME SLOT INTERCHANGE UNIT
MODEL 4

DWG SIZE C2 ISSUE 26

LUCENT TECHNOLOGIES INC J5D003NB-1 SHEET A4 OF 15

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
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. DA EFF:05/18/93 FE:J5D003NB-1,L9A	61	DA	9								
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. DA EFF:02/28/97 FE:J5D003NB-1,L9B	58 61	DA	9A				SD5D196-01	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-1,L9A	58 61 74 500		9B				SD5D196-01	7	T		
NETWORK LINK INTERFACE (NLI) BOARD FOR TSIU4. REQUIRED IN ADDITION TO LIST 1. MOUNTED ON WIRING SIDE, PROVIDES ONE NCT2 LINK.	64 68 71 75 499 500		10				SD5D196-01	8			
CABLE KIT REQUIRED WITH TSIU4. REQUIRED IN ADDITION TO LIST 1. SUPPLIES INTERCONNECT (STCL & MCP) AND CONTROL/DISPLAY CABLES. DA EFF:09/18/96 FE:J5D003NB-1,L11A	59	DA	11	1	ED5D734-10	501					
CABLE KIT REQUIRED IN ADDITION TO LIST 1 WHEN TSIU4 IS USED WITH SMPU4 (J5D003NA). SUPPLIES INTERCONNECT (STCL & MCP) AND CONTROL/DISPLAY CABLES. REPL:J5D003NB-1,L11	59 500		11A	1	ED5D734-40	1					
NETWORK LINK INTERFACE 1 (NLI1) BOARD FOR TSIU4. REQUIRED IN ADDITION TO LIST 1. MOUNTED ON WIRING SIDE. PROVIDES ONE NCT LINK TO CM2C. MAY ALSO BE REQUIRED IN OTHER 7R/E APPLICATIONS.	65 68 71 499 500		12				SD5D196-01	9	Y		
PERIPHERAL LINK INTERFACE (PLI) BOARD (BKD2) FOR TSIU4. REQUIRED IN ADDITION TO LIST 1 WHEN OPTICAL PERIPHERAL UNITS (DNUS, PDXU, 7R/E) ARE SPECIFIED WITH A ST2 FIBER OPTIC CONNECTION. MOUNTS ON WIRING SIDE, PROVIDES ONE PCT LINK. REPL:NONE	67 68 499 500		13				SD5D196-01	11	X		
ELECTRICAL NETWORK LINK INTERFACE (ENLI) BOARD FOR TSIU4 REQUIRED IN ADDITION TO LIST 1 WHEN REMOTE SM (EXM2000) IS SPECIFIED. MOUNTED ON WIRING SIDE, PROVIDES ONE ELECTRICAL NCT LINK. REPL:NONE	69 70 71 499 500		14				SD5D196-01	10	W		
JUMPER CONNECTOR REQUIRED PER SIDE FOR 30 CHANNEL MODE WHEN EXTERNAL CLOCK SOURCE E1 RATE IS USED (VCDX/SM2000). DEFAULT 24 CHANNEL MODE T1 RATE WITHOUT JUMPER. TOTAL OF TWO REQUIRED. REPL:NONE	500		15				SD5D196-01	1	ZC		
CABLE KIT REQUIRED IN ADDITION TO LIST 1 WHEN TSIU4 IS USED WITH SMPU5 (J5D003NG). SUPPLIES INTERCONNECT (STCL & MCP) AND CONTROL/DISPLAY CABLES.	59 500		16	1	ED5D734-40	2					

TABLE-A CONTINUED

J5D003NB-1

TABLE A-FEATURES (CONTINUED)											
EQUIPMENT		RAT-ING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA					SD EQUIVALENT		
DESCRIPTION	REF NOTE			QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
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.	77 499 500		17							SD5D196-01	11 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.	78 499 500		18							SD5D196-01	12 R
TSIU4 SHELF ASSEMBLY REPL:NONE FE:J5D003NB-2,L1	151 153	DA	500							SD5D196-01	1
TSI COMMON APPARATUS. REPL:NONE DA EFF:09/18/96 FE:J5D003NB-1,L501A	151 154	DA	501							SD5D196-01	2 V
TSI COMMON APPARATUS REPL:J5D003NB-1,L501 DA EFF:12/01/98 FE:J5D003NB-1,L2C	151 154	DA	501A							SD5D196-01	2 U
CONTROL TIME SLOT NUMBER SELECTION APPARATUS. REPL:NONE FE:J5D003NB-2,L4	151 154	DA	502							SD5D196-01	2
CONTROL BUS TERMINATOR PADDLEBOARD. REPL:NONE FE:J5D003NB-2,L5	151 154	DA	503							SD5D196-01	2
POWER MODULE APPARATUS. REPL:NONE FE:J5D003NB-2,L6	151 155	DA	504							SD5D196-01	3
POWER INTERLOCK PADDLEBOARD. REPL:NONE FE/RA:NONE	151 156	DA	505							SD5D196-01	4 ZB
DATA EXPANSION APPARATUS. REPL:NONE FE/RA:NONE	151 155 157	DA	506							SD5D196-01	5
DX/TSIS JUMPER PADDLEBOARD. REPL:NONE FE/RA:NONE	151 158	DA	507							SD5D196-01	6 ZA
TIME SLOT INTERCHANGE SLICE APPARATUS. DA EFF:02/28/97 FE:J5D003NB-1,L508A	151 155 159	DA	508							SD5D196-01	7
TIME SLOT INTERCHANGE SLICE APPARATUS SUPPORTING XCDU. REPL:J5D003NB-1,L508 FE:J5D003NB-2,L8A	151 155 159 166	DA	508A							SD5D196-01	7 T

TABLE-A CONTINUED

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5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
TIME SLOT INTERCHANGE UNIT
MODEL 4

DWG SIZE C2 ISSUE 26

LUCENT TECHNOLOGIES INC J5D003NB-1

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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	
NETWORK LINK INTERFACE APPARATUS FOR NCT2 LINK. REPL:NONE FE:J5D003NB-2,L9	151 160	DA	509						SD5D196-01	8		
NETWORK LINK INTERFACE 1 APPARATUS FOR NCT LINK TO CM2C. REPL:NONE FE:J5D003NB-2,L11	151 161	DA	510						SD5D196-01	9	Y	
PERIPHERAL LINK INTERFACE APPARATUS FOR PCT LINK. REPL:NONE FE:J5D003NB-2,L12	151 162	DA	511						SD5D196-01	10	X	
ELECTRICAL NETWORK LINK INTERFACE FOR ELECTRICAL NCT LINK. REPL:NONE FE:J5D003NB-2,L13	151 163	DA	512						SD5D196-01	11	W	
30 CHANNEL MODE JUMPER FOR EXTERNAL CLOCK SOURCE CONFIGS. REPL:NONE FE:J5D003NB-2,L14	151 164	DA	513						SD5D196-01	1	ZC	
178A APPARATUS BLANK REQUIRED FOR TSIU MODEL 4.	62		A									
178B APPARATUS BLANK REQUIRED FOR TSIU MODEL 4.	62		B									
162A APPARATUS BLANK REQUIRED FOR TSIU MODEL 4.	62		C									
162C APPARATUS BLANK REQUIRED FOR TSIU MODEL 4.	62		D									
162E APPARATUS BLANK REQUIRED FOR TSIU MODEL 4.	62		E									
174A APPARATUS BLANK REQUIRED FOR TSIU MODEL 4.	62		F									
171D APPARATUS BLANK REQUIRED FOR TSIU MODEL 4.	62		G									
178C APPARATUS BLANK REQUIRED FOR TSIU MODEL 4.	62		H									
DESIGNATION STRIP LABEL FOR TSIU4 (FRONT & REAR). REQUIRED IN ADDITION TO LIST 1.			J									
WIRING SIDE DESIGNATION LABEL. REQUIRED IN ADDITION TO LIST 1.			K									
KIT REQUIRED FOR MOUNTING TSIU4 UNIT. INCLUDES FUSING FOR STANDARD POWERING APPLICATION. REQUIRED IN ADDITION TO LIST 1.	53		L						SD5D196-01	1		
KIT REQUIRED FOR MOUNTING TSIU4 UNIT. INCLUDES FUSING FOR AUTO POWER RESTART (APR) APPLICATIONS. REQUIRED IN ADDITION TO LIST 1.	53		M						SD5D196-01	1	Z	
LABEL REQUIRED WHEN MORE THAN FOUR LIST 9'S ARE EQUIPPED PER SIDE. REQUIRED FOR EACH LIST 9 EQUIPPED GREATER THAN QUANTITY OF 4 PER SIDE. DA EPF:11/03/92 FE/RA:NONE		DA	N									
LABEL REQUIRED IN ADDITION TO EACH LIST 9A OR 9B IN EXCESS OF A TOTAL OF FOUR ON SIDE 0. REQUIRED ONLY WHEN THE TOTAL NUMBER OF LIST 9A'S AND 9B'S ON SIDE 0 EXCEEDS FOUR.			P									
LABEL REQUIRED IN ADDITION TO EACH LIST 9A OR 9B IN EXCESS OF A TOTAL OF FOUR ON SIDE 1. REQUIRED ONLY WHEN THE TOTAL NUMBER OF LIST 9A'S AND LIST 9B'S ON SIDE 1 EXCEEDS FOUR.			Q									

TABLE-A CONTINUED

J5D003NB-1

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	
KIT REQUIRED FOR MOUNTING TSIU4 UNIT IN METRIC (GLOBAL PHASE II) CABINET. INCLUDES FUSING FOR STANDARD POWERING APPLICATIONS. REQUIRED IN ADDITION TO LIST 1.	53		S									
KIT REQUIRED FOR MOUNTING TSIU4 UNIT IN METRIC (GLOBAL PHASE II) CABINET. INCLUDES FUSING FOR AUTO POWER RESTART (APR) APPLICATIONS. REQUIRED IN ADDITION TO LIST 1.	53		T									
UNIT GUIDE KIT REQUIRED TO MOUNT UNIT IN METRIC (GLOBAL PHASE II) CABINET. ONE REQUIRED IN ADDITION TO EACH LIST S OR T.			U									
LABEL REQUIRED IN ADDITION TO EACH LIST 2A OR 2B EQUIPPED ON SIDE 0 FOR EXM2000 OR AWS/2000 APPLICATIONS. REPL:NONE DA EFF:12/21/98 FE/RA:NONE		DA	V									
LABEL REQUIRED IN ADDITION TO EACH LIST 2A OR 2B EQUIPPED ON SIDE 1 FOR EXM2000 OR AWS/2000 APPLICATIONS. REPL:NONE DA EFF:12/21/98 FE/RA:NONE		DA	W									
LABEL REQUIRED IN ADDITION TO EACH LIST 9B EQUIPPED ON SIDE 0 ONLY WHEN SUPPORT OF XCDU (J5D003NF-1) TSI LINKS IS REQ'D.	74		X									
LABEL REQUIRED IN ADDITION TO EACH LIST 9B EQUIPPED ON SIDE 1 ONLY WHEN SUPPORT OF XCDU (J5D003NF-1) TSI LINKS IS REQ'D.	74		Y									
APPARATUS BLANK 178A REPL:NONE FE/RA:NONE	151	DA	B1									
APPARATUS BLANK 178B REPL:NONE FE/RA:NONE	151	DA	B2									
APPARATUS BLANK 162A REPL:NONE FE/RA:NONE	151	DA	B3									
APPARATUS BLANK 162C REPL:NONE FE/RA:NONE	151	DA	B4									
APPARATUS BLANK 162E REPL:NONE FE/RA:NONE	151	DA	B5									
APPARATUS BLANK 174A REPL:NONE FE/RA:NONE	151	DA	B6									
APPARATUS BLANK 171D REPL:NONE FE/RA:NONE	151	DA	B7									

TABLE-A CONTINUED

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5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
TIME SLOT INTERCHANGE UNIT
MODEL 4

DWG SIZE C2 ISSUE 26

LUCENT TECHNOLOGIES INC J5D003NB-1

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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 178C REPL:NONE FE/RA:NONE	151	DA	B8								
WIRING SIDE DESIGNATION LABEL. REPL:NONE FE/RA:NONE	151	DA	E1								
FINAL ASSEMBLY KIT, ENGLISH (PHASE 1A) CABINET, STANDARD FUSING.	500		F1						SD5D196-01	1	
FINAL ASSEMBLY KIT, ENGLISH (PHASE 1A) CABINET, AUTO POWER RECOVERY FUSING.	500		F2						SD5D196-01	1	Z
FINAL ASSEMBLY KIT, METRIC (PHASE II) CABINET, STANDARD FUSING.	500		F3						SD5D196-01	1	
FINAL ASSEMBLY KIT, METRIC (PHASE II) CABINET, AUTO POWER RECOVERY FUSING.	500		F4						SD5D196-01	1	Z
UNIT GUIDE KIT FOR METRIC (PHASE II) CABINET.	500		G1								
LABEL REQUIRED ONLY IN ADDITION TO EACH LIST 2C (UM74D) WHEN SEMI INTEGRATED STRATUM 3E CLOCK SOURCE FEATURE IS SPECIFIED. J5D003NB-1 (REAR) UM74D			AA								
END OF TABLE-A											

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SPECIFICATION FOR
TIME SLOT INTERCHANGE UNIT
MODEL 4

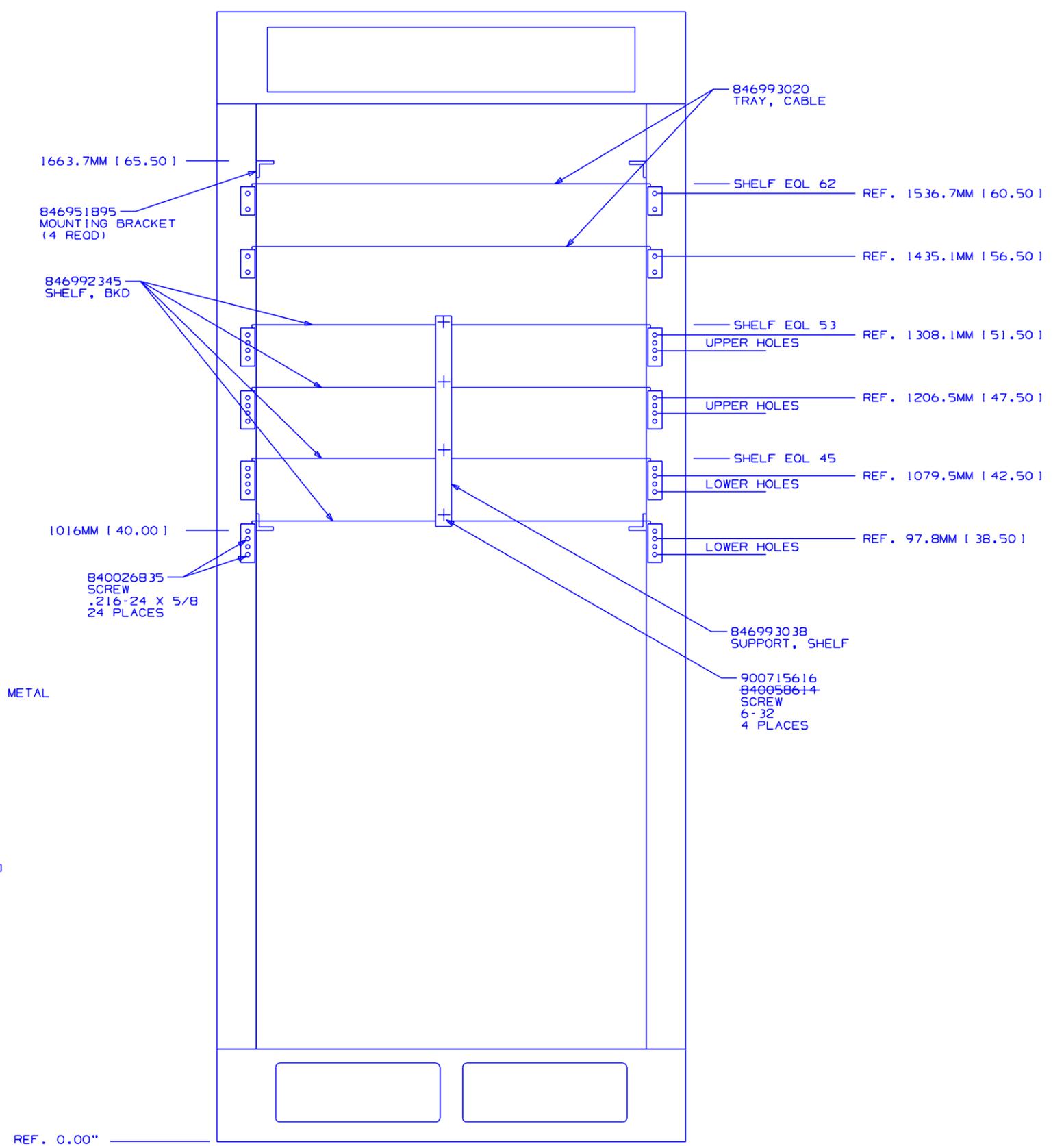
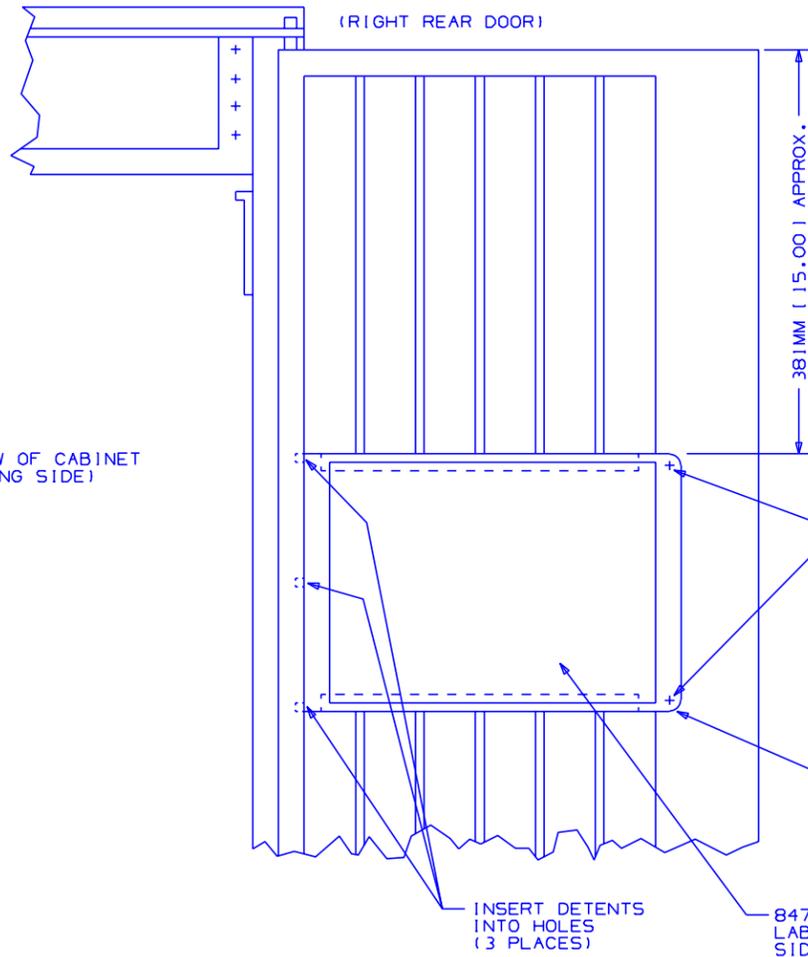
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WIRING SIDE VIEW

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TIME SLOT INTERCHANGE UNIT MODEL 4		DWG SIZE C2
		ISSUE 18
Lucent Technologies, Inc.	J5D00 3NB - 1	SHEET B1

SIDE 1 SM 003										SIDE 0 SM 003									
BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1
BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	BKD7	BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	BKD7
DX CA	DX CA	DX CA	DX CA	DX CA	DX CA	DX CA	982YE	982YE		DX CA	DX CA	DX CA	DX CA	DX CA	DX CA	DX CA	982YE	982YE	
LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	DX LINK	DX LINK	NLI LINK 02
PORT 39	PORT 35	PORT 31	PORT 27	PORT 23	PORT 19	PORT 15	PORT 11	PORT 07	PORT 03	PORT 39	PORT 35	PORT 31	PORT 27	PORT 23	PORT 19	PORT 15	PORT 11	PORT 07	PORT 03
180	172	164	156	148	138	130	122	114	106	092	084	076	068	060	050	042	034	026	018
BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1
BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	BKD7	BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	BKD7
DX CA	DX CA	DX CA	DX CA	DX CA	DX CA	DX CA	982YE	982YE	982YE	DX CA	DX CA	DX CA	DX CA	DX CA	DX CA	982YE	982YE	982YE	
LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	DX LINK	DX LINK	DX LINK	NLI LINK 00
PORT 38	PORT 34	PORT 30	PORT 26	PORT 22	PORT 18	PORT 14	PORT 10	PORT 06	PORT 02	PORT 38	PORT 34	PORT 30	PORT 26	PORT 22	PORT 18	PORT 14	PORT 10	PORT 06	PORT 02
180	172	164	156	148	138	130	122	114	106	092	084	076	068	060	050	042	034	026	018
BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD4	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD4
BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	BKD2		BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	
DX CA	DX CA	DX CA	DX CA	DX CA	DX CA	DX CA	DX CA	DX CA		DX CA	DX CA	DX CA	DX CA	DX CA	DX CA	DX CA	DX CA	DX CA	
LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK		LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	NLI LINK 04	
PORT 37	PORT 33	PORT 29	PORT 25	PORT 21	PORT 17	PORT 13	PORT 09	PORT 05		PORT 37	PORT 33	PORT 29	PORT 25	PORT 21	PORT 17	PORT 13	PORT 09	PORT 05	
180	172	164	156	148	138	130	122	114	106	092	084	076	068	060	050	042	034	026	018
BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1		BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	BKD1	
BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	BKD2		BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	BKD2	
DX CA	DX CA	DX CA	DX CA	DX CA	DX CA	DX CA	DX CA	DX CA		DX CA	DX CA	DX CA	DX CA	DX CA	DX CA	DX CA	DX CA	DX CA	
LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK		LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	NLI LINK 06	
PORT 36	PORT 32	PORT 28	PORT 24	PORT 20	PORT 16	PORT 12	PORT 08	PORT 04		PORT 36	PORT 32	PORT 28	PORT 24	PORT 20	PORT 16	PORT 12	PORT 08	PORT 04	
180	172	164	156	148	138	130	122	114		092	084	076	068	060	050	042	034	026	

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.

DX/TSIS LINK CABLE (DXCA) IS USED INSTEAD OF OR IN ADDITION TO 982YE (REF. ED5D734-10). 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:

- <U>APPARATUS = LINK TYPE
- BKD1 = NLI
- BKD2 = PLI
- BKD3 = ENLI
- BKD7 = NLI1
- DXCA = DX
- 982YE = DX
- 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 EQUIPPAGE.

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.

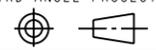
FOR TSI LINKS TO XCDU, APPROPRIATE XCDU UNIT NUMBER (1-6) TO BE APPLIED AS FIRST (LEFT) DIGIT, AND XDX CIRCUIT PACK NUMBER (0-4) TO BE APPLIED AS SECOND DIGIT. CHARACTERS TO BE APPLIED IN BLACK PERMANENT INK, 0.125" HIGH.

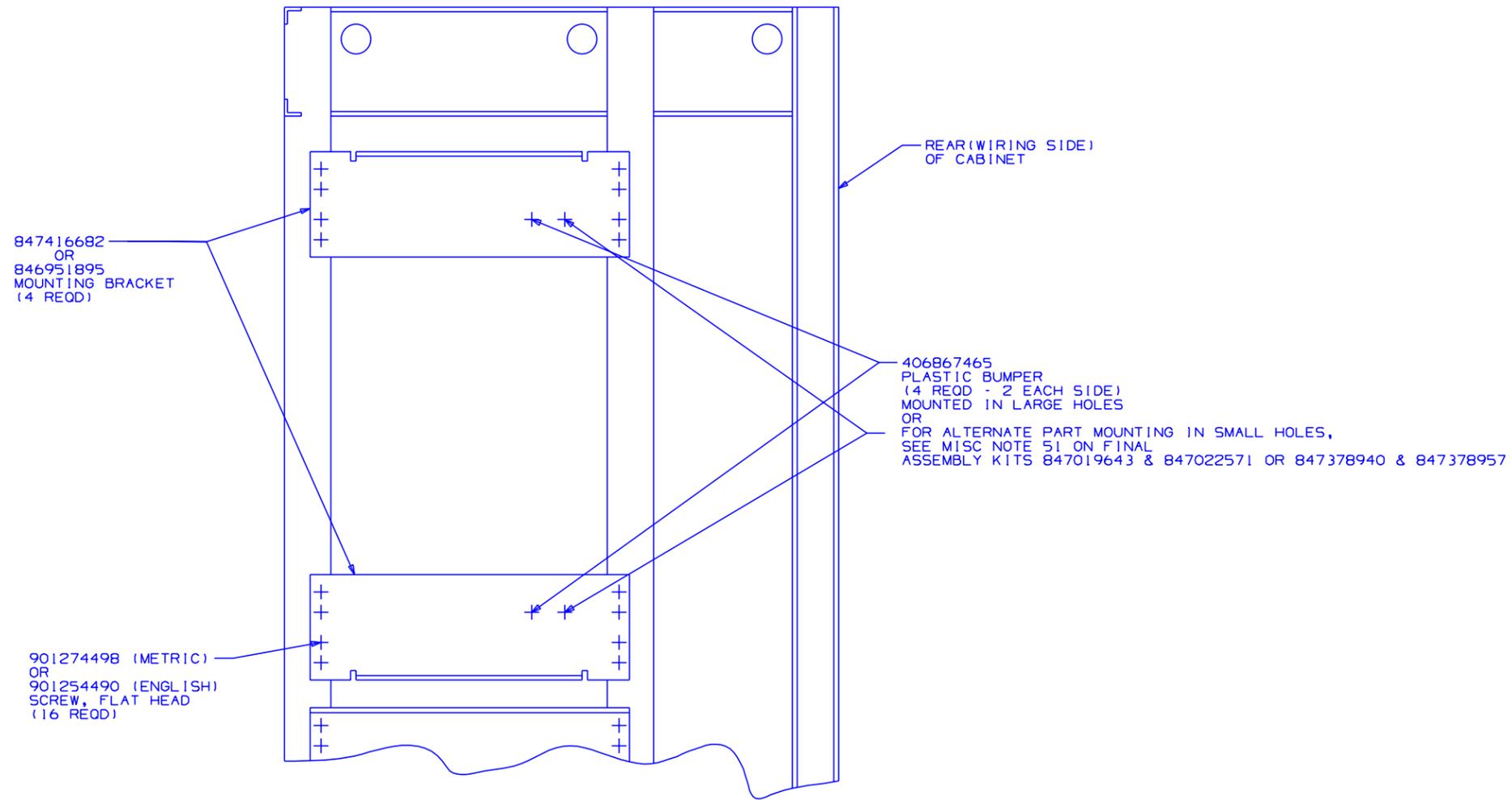
FOR PCT LINKS TO OPTICAL PERIPHERAL UNITS LIKE OXU, PDXU, APPROPRIATE UNIT NUMBER (1 - X) TO BE APPLIED AT FIRST (LEFT) DIGIT, AND XDX CIRCUIT PACK NUMBER (0 - 4) TO BE APPLIED IN BLACK PERMANENT INK, 0.125" HIGH.

TSIU4 WIRING SIDE LABEL STAMPING INSTRUCTIONS

VARIABLE INFORMATION THAT MAY BE APPLIED TO FACILITATE MANUFACTURING OPERATIONS

(XXXX)

TITLE		TSIU4 WIRING SIDE DESIGNATION LABEL STAMPING INSTRUCTIONS		
THIRD ANGLE PROJECTION				
Lucent Technologies Inc.		J5D003NB-1	SHEET B2	ISSUE 25
			C2/AIR	



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TIME SLOT INTERCHANGE UNIT MODEL 4	DWG SIZE	ISSUE
	C2	18
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MANUFACTURING NOTES

***** CONTINUED *****

JUMPER PADDLEBOARDS AND CABLES ARE EQUIPED AS NEEDED TO CREATE DX/TSIS LINKS. EQUIPAGE ON TSU4 SERVICE GROUP 0 MUST MATCH IDENTICALLY SERVICE GROUP 1.

- X X 20. LABEL PANEL (846994538) AND SHEET METAL SCREWS (814840062) TO BE SHIPPED LOOSE WITH UNIT TO CUSTOMER SITE AFTER WIRING SIDE DESIGNATION LABEL (847004413) 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 TSU4 WIRING SIDE LABEL STAMPING INSTRUCTIONS DRAWING. 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. THESE ITEMS ARE FURNISHED AS PART OF FINAL ASSEMBLY KITS 847019643, 847022571, 847378940, AND 847378957.
- X X 21. SEE TABLE AA FOR EQUIPAGE POSITIONS OF LIST E,G & H AND CIRCUIT PACK GROWTH SEQUENCE.
- X 22. REFER TO TABLE BB FOR ORDERING INFORMATION ON REPLACEMENT FUSES.
- X X 23. 963E-2 CONNECTOR (LIST 15) IS A TWO PIN JUMPER CONNECTOR COVERING THE FOLLOWING PIN POSITIONS:

OPTION	EQL POS	PIN CONNEC	ORIENTATION
30 CHANNEL T1 MODE (ZC)	22-020-532	22-020-533	VERTICAL
	22-116-532	22-116-533	VERTICAL
- X 24. WHEN LIST X OR Y ARE SPECIFIED FOR AN EQL POSITION, KLUIB STAMPING TAKES PRECEDENCE OVER KLUI STAMPING ON THE DESIGNATION LABEL.

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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.

12. UNASSIGNED.
13. UNASSIGNED.

X X 14. TWENTY FOUR (24) 840029835 SCREWS ARE NEEDED TO FASTEN BKD SHELVES AND CABLE TRAYS 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 847019643 AND 847022571. FOR MOUNTING ONTO METRIC FRAME (PHASE II GLOBAL CABINET) METRIC SCREWS 901271031 ARE USED. THESE ARE INCLUDED IN FINAL ASSEMBLY KITS 847378940 AND 847378957.

X X 15. POWER MODULES ARE EQUIPPED IN PAIRS IN THE FOLLOWING POSITIONS:
22-012,22-108
22-088,22-184

16. UNASSIGNED.
17. UNASSIGNED.

X X 18. NLI, NL11, PLI, ENLI CIRCUIT PACKS ARE EQUIPED ON THE WIRING SIDE IN PAIRS AS SPECIFIED PER EQUIPMENT ORDER.

X X 19. 982YE JUMPERS (LIST 8) EQUIPPED IN PAIRS PER SIDE AS NEEDED WITH ADDITIONAL UM73/KLUI CIRCUIT PACKS. JUMPERS ON TSIS SLICES INSTALLED CENTERED WITHIN THE C100B SPACERS REFERENCING THE LOWER LEFT PIN ON THE WIRING SIDE. JUMPER PAIRS LOCATED AT THE FOLLOWING POSITIONS:

LINKS	JUMPER EQL'S	LIST 8 QTY
DX0/TSIS0	FIXED LINK, JUMPER NOT REQUIRED	0
DX1/TSIS1 PORT 2	13-026-000,13-114-000	4
	22-042-032,22-138-032	
DX2/TSIS1 PORT 3	13-026-032,13-114-032	4
	22-050-032,22-146-032	
DX3/TSIS2 PORT 2	13-034-000,13-122-000	4
	22-058-032,22-154-032	
DX4/TSIS2 PORT 3	13-034-032,13-122-032	4
	22-066-032,22-162-032	
DX5/TSIS3 PORT 2	13-042-000,13-130-000	4
	22-074-032,22-170-032	

DX/TSIS JUMPER CABLES INSTALLED IN PAIRS, ONE PER SIDE, PER STAMPING SHOWN IN ED5D734-10, TABLE D. TSIS END OF CABLE INSTALLED CENTERED WITHIN THE C100B SPACERS, REFERENCING THE LOWER LEFT PIN ON THE WIRING SIDE OF THE UNIT. CABLES TO BE INSTALLED PER METHOD OF CABLING ED5D734-12.

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SPECIFICATION FOR
TIME SLOT INTERCHANGE UNIT
MODEL 4

DWG SIZE
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LUCENT TECHNOLOGIES INC J5D003NB-1

SHEET D1
OF 15

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1010	1	1	847001997		ASSEMBLY,BASE UNIT			
1015	1	1	847378932		ASSEMBLY,BASE UNIT			
1016	1	1	847794377		ASSEMBLY,BASE UNIT			
1020	A	1	106247000	178A	BLANK,APPARATUS PRNTD WIRING BOARD SPACES POS 22-40			
1030	B	1	106247018	178B	BLANK,APPARATUS POS 22-88			
1040	C	1	104372743	162A	BLANK,APPARATUS POS 04-44, 04-88			
1050	D	1	104372768	162C	BLANK,APPARATUS POS 04-0			
1070	F	1	105552343	174A	BLANK,APPARATUS POS. 04-22,66			
1100	G	1	104435235	171D	BLANK,APPARATUS POS=22-13,17,21,25,29,61,65,69,73,77			
1110	H	1	106247026	178C	BLANK,APPARATUS PRNTD WIRING BOARD SPACES POS=22-33,36,39,81,84,87			
1120	E	1	105479257	162E	BLANK,APPARATUS POS=04-1,8,12,16,20,25,29,33,37,41, 52,56,60,64,69,73,77,81,85			
1130	5	1	106560154	486AA	UNIT,POWER CLEI FE=PWPQASBA CLEI FE=PWPQAPUA CLEI FE=PWPQAGTA CLEI = PWPQATAA			15
1140	2	1	106571607	UM74	PACK,CIRCUIT CLEI = E5PQAEPA EQL 22-020,22-116			
1141	2A	1	107198152	UM74B	PACK,CIRCUIT FE CLEI=E5PQAK7A CLEI = E5PQAXTA EQL = 22-020, 22-116			
1142	2B	1	107662785	UM74C	PACK,CIRCUIT TIME SLOT INTERCHANGE COM FE CLEI=E5PQAP6A CLEI = E5PQAXPA EQL = 22-020, 22-116			
1143	2C	1	108229162	UM74D	PACK,CIRCUIT TSIC/ TIME SLOT INTERCHANGE COMMON EQL = 22-020, 22-116			
1145	V	1	ED5D075-11,G119		LABEL			*/
1147	W	1	ED5D075-11,G120		LABEL			*/
1150	7	1	106465255	UM73	PACK,CIRCUIT CLEI = E5PQAEJA			
1151	7A	1	106966773	UM73	PACK,CIRCUIT CLEI = E5PQAGVA			
1152	7B	1	107075202	UM73	PACK,CIRCUIT CLEI = E5PQAJDA			
1160	9	1	106465271	KL01	PACK,CIRCUIT CLEI = E5PQAEKA			
1161	9A	1	106991847	KL01	PACK,CIRCUIT FE CLEI=E5PQAG3A CLEI = E5PQAJEA			
1162	N	1	ED5D075-11,G99, G100		LABEL			
1163	9B	1	107850232	KL01B	PACK,CIRCUIT FE CLEI=E5PQATVA TSIS/TIME SLOT INTERCHANGESLICE CLEI = E5PQA0ZA			
1170	10	1	106613102	BKD1	PACK,CIRCUIT EF CLEI=E5PQAEHA CLEI = E5PQAP8A			18
1180	3	1	106619125	BKD4	PACK,CIRCUIT CLEI = E5PQAEHA EQL 04-018-132,04-106-132 WIRING SIDE			

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

J5D003NB-1

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1190	4	1	106586159	982AAB	CONNECTOR EQL 22-075-000,22-077-000 22-171-000,22-173-000 WIRING SIDE			
1200	6	1	106760853	982AAE	CONNECTOR EQL 22-084-132,22-180-132 WIRING SIDE			
1210	8	1	106197866	982YE	CONNECTOR WIRING SIDE			19
1250	M	1	847022571		KIT,FINAL ASSEMBLY			*/ 14 20
1260	J	1	ED5D075-11,G94, G95,G96,G97		LABEL			
1270	K	1	847004413		LABEL,DESIGNATION			* 20
1280	L	1	847019643		KIT,FINAL ASSEMBLY			*/ 14 20
1290	11	1	ED5D734-10,G501		ASSEMBLY, CABLE			*
1295	11A	1	ED5D734-40,G1		KIT, 5ESS			*
1300	P	1	ED5D075-11,G104		LABEL			
1310	Q	1	ED5D075-11,G104		LABEL			
1320	12	1	106770829	BKD7	PACK,CIRCUIT CLEI = E5PQARMA			18
1330	13	1	106613110	BKD2	PACK,CIRCUIT FE CLEI=E5QAGEA CLEI = E5PQARPA			18
1340	14	1	106613128	BKD3	PACK,CIRCUIT CLEI = E5PQARRA			18
1345	17	1	108399254	BKD10	PACK,CIRCUIT OPTICAL LINK CLEI = E5PQAZUA			18
1350	15	1	102898509	963E-2	CONNECTOR			23
1355	18	1	108671918	BKD11	PACK,CIRCUIT NETWORK LINK INTERFACE CLEI = E5PQA1SA			18
1360	S	1	847378940		KIT,FINAL ASSEMBLY METRIC MOUNTING, STANDARD FUSING			*/ 14 20
1370	T	1	847378957		KIT,FINAL ASSEMBLY METRIC MOUNTING, APR FUSING			*/ 14 20
1380	U	1	847286754		KIT,MOUNTING			*/
1390	16	1	ED5D734-40,G2		KIT, 5ESS			*
1400	X	1	ED5D075-11,G179		LABEL			24
1410	Y	1	ED5D075-11,G179		LABEL			24
1420	AA	1	ED5D075-11,G194		LABEL			
5000	500	1	847378932		ASSEMBLY,BASE UNIT			

STOCKLIST CONTINUED ON SHEET D3

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SPECIFICATION FOR
TIME SLOT INTERCHANGE UNIT
MODEL 4

DWG SIZE C2 ISSUE 26

LUCENT TECHNOLOGIES INC J5D003NB-1

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STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
5002	500	1	847794377		ASSEMBLY,BASE UNIT			
5010	F1	1	847019643		KIT,FINAL ASSEMBLY		*/	14 20
5020	F2	1	847022571		KIT,FINAL ASSEMBLY		*/	14 20
5030	F3	1	847378940		KIT,FINAL ASSEMBLY		*/	14 20
					METRIC MOUNTING, STANDARD FUSING			
5040	F4	1	847378957		KIT,FINAL ASSEMBLY		*/	14 20
					METRIC MOUNTING, APR FUSING			
5050	G1	1	847286754		KIT,MOUNTING		*/	
5060	B1	1	106247000	178A	BLANK,APPARATUS PRNTD WIRING BOARD SPACES POS 22-40			
5070	B2	1	106247018	178B	BLANK,APPARATUS POS 22-88			
5080	B3	1	104372743	162A	BLANK,APPARATUS POS 04-44, 04-88			
5090	B4	1	104372768	162C	BLANK,APPARATUS POS 04-0			
5100	B5	1	105479257	162E	BLANK,APPARATUS POS=04-1,8,12,16,20,25,29,33,37,41, 52,56,60,64,69,73,77,81,85			
5110	B6	1	105552343	174A	BLANK,APPARATUS POS. 04-22,66			
5120	B7	1	104435235	171D	BLANK,APPARATUS POS=22-13,17,21,25,29,61,65,69,73,77			
5130	B8	1	106247026	178C	BLANK,APPARATUS PRNTD WIRING BOARD SPACES POS=22-33,36,39,81,84,87			
5140	504	1	106560154	486AA	UNIT,POWER CLEI FE=PWPQASBA CLEI FE=PWPQAPUA CLEI FE=PWPQAGTA CLEI = PWPQATAA			15
5150	501	1	107198152	UM74B	PACK,CIRCUIT FE CLEI=E5PQAK7A CLEI = E5PQAXTA EQL = 22-020, 22-116			
5152	501A	1	107662785	UM74C	PACK,CIRCUIT TIME SLOT INTERCHANGE COM FE CLEI=E5PQAP6A CLEI = E5PQAXPA EQL = 22-020, 22-116			
5160	502	1	106619125	BKD4	PACK,CIRCUIT CLEI = E5PQAENA EQL 04-018-132,04-106-132 WIRING SIDE			
5170	503	1	106586159	982AAB	CONNECTOR EQL 22-075-000,22-077-000 22-171-000,22-173-000 WIRING SIDE			
5180	505	1	106760853	982AAE	CONNECTOR EQL 22-084-132,22-180-132 WIRING SIDE			
5190	507	1	106197866	982YE	CONNECTOR WIRING SIDE			19
5200	513	1	102898509	963E-2	CONNECTOR			
5210	506	1	107075202	UM73	PACK,CIRCUIT CLEI = E5PQAJDA			
5220	508	1	106991847	KLUL	PACK,CIRCUIT FE CLEI=E5PQAG3A CLEI = E5PQAJEA			
5222	508A	1	107850232	KLULB	PACK,CIRCUIT FE CLEI=E5PQATVA TSIS/TIME SLOT INTERCHANGESLICE CLEI = E5PQA0ZA			

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

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STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
5230	509	1	106613102	BKD1	PACK,CIRCUIT EF CLEI=E5PQAEHA CLEI = E5PQAP8A			18
5240	510	1	106770829	BKD7	PACK,CIRCUIT CLEI = E5PQARMA			18
5250	511	1	106613110	BKD2	PACK,CIRCUIT FE CLEI=E5QAGEA CLEI = E5PQARPA			18
5260	512	1	106613128	BKD3	PACK,CIRCUIT CLEI = E5PQARRA			18
5270	E1	1	847004413		LABEL,DESIGNATION		*	20

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

TABLE AA
APPARATUS GROWTH SEQUENCE AND APPARATUS BLANKS TO BE
OMITTED FROM EQUIPMENT SHELF

LIST	CODE	EQL	SEQUENCE	APP BLANK	LIST	POS
7B	UM73	22-036	1	171D	G	13
7B	UM73	22-132	2	171D	G	61
7B	UM73	22-044	3	171D	G	17
7B	UM73	22-140	4	171D	G	65
7B	UM73	22-052	5	171D	G	21
7B	UM73	22-148	6	171D	G	69
7B	UM73	22-060	7	171D	G	25
7B	UM73	22-156	8	171D	G	73
7B	UM73	22-068	9	171D	G	29
7B	UM73	22-164	10	171D	G	77
5	486AA	22-088	1	178C	(3)H	39
5	486AA	22-184	2	178C	(3)H	87
9A,9B	KLUL/B	04-026	1	162E	E	8
9A,9B	KLUL/B	04-114	2	162E	E	52
9A,9B	KLUL/B	04-034	3	162E	E	12
9A,9B	KLUL/B	04-122	4	162E	E	56
9A,9B	KLUL/B	04-042	5	162E	E	16
9A,9B	KLUL/B	04-130	6	162E	E	60
9A,9B	KLUL/B	04-050	7	162E	E	20
9A,9B	KLUL/B	04-138	8	162E	E	64
9A,9B	KLUL/B	04-060	9	162E	E	25
9A,9B	KLUL/B	04-148	10	162E	E	69
9A,9B	KLUL/B	04-068	11	162E	E	29
9A,9B	KLUL/B	04-156	12	162E	E	73
9A,9B	KLUL/B	04-076	13	162E	E	33
9A,9B	KLUL/B	04-164	14	162E	E	77
9A,9B	KLUL/B	04-084	15	162E	E	37
9A,9B	KLUL/B	04-172	16	162E	E	81
9A,9B	KLUL/B	04-092	17	162E	E	41
9A,9B	KLUL/B	04-180	18	162E	E	85

TABLE BB
REPLACEMENT FUSE ORDERING INFORMATION

COMCODE	DESCRIPTION
406747550	7 AMP FUSE. USED FOR STANDARD POWERING APPLICATIONS.
406808469	15 AMP FUSE. USED FOR STANDARD POWERING APPLICATIONS.
406747568	10 AMP FUSE. USED FOR APR POWERING APPLICATIONS.
406808477	20 AMP FUSE. USED FOR APR POWERING APPLICATIONS.

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TABLE D4

MODIFY TAG: NBDATE3

TABLE D4 - FUNCTION ITEM/FUNCTIONAL OBJECT/ORDER CODE MAPPING			
FUNCTIONAL ITEM	NOTE	DESCRIPTION	ORDER CODE
DX		DATA EXPANSION BOARD DATA EXPANSION PACK	2 107075202
ENLI		ELEC NET LINK INTRFC TO EXM ELEC NET LINK INTRFC FOR EXM	4 106613128
JMPDXTSI 982YETS4		DX/TSIS JUMPER PADDLEBOARD DX/TSIS JUMPER PADDLEBOARD	4 106197866
JMPCHAN JMPRCHAN		30 CHAN MODE SELECTION JMPR BACKPLANE JUMPER FOR 30 CHAN	2 102898509
NLI		NETWORK LINK INTERFACE TO CM NETWORK LINK INTERFACE TO CM	4 106613102
NLI1		NETWORK LINK INTRFC TO CM2C NETWORK LINK INTRFC TO CM2C	4 106770829
PIBTSIU4 982AETS4		POWER INTERLOCK PADDLEBOARD POWER INTERLOCK PADDLEBOARD	2 106760853
PLI		PERIPHERAL LINK INTERFACE PERIPHERAL LINK INTERFACE	2 106613110
PWRTSIU4 PWRTSIU4		POWER MODULES FOR TSIU4 486AA POWER MODULE	2 106560154
TSIS		TSI SLICE BOARD TIME SLOT INTRCHNG SLICE PAC	2 106991847 107850232
TSIU4 982ABTS4 CKTSIU4		TSIU4 BASE HARDWARE CONTROL BUS TERM PADDLEBOARD TSIU4 TO SMPU4 CABLE KIT	4 106586159 1 ED5D734-10 G501/A ED5D734-40 G1
CTSNS		CONTROL TIME SLOT NUM SELECT	2 106619125
TSICOM		TIME SLOT INTERCHANGE COMMON	2 107198152 107662785
TSIU4		TSIU4 SHELF ASSEMBLY	1 847378932

TABLE D5

MODIFY TAG: NBDATE3

TABLE D5 - OBJECT/HARDWARE TYPE ATTRIBUTES/ORDER CODE MAPPING							
OBJECT:	INTERFACE CHARACTERISTICS	MINIMUM US GENERIC	MINIMUM INTL GENERIC	EXCHANGE TYPE	FEATURE/OPTION	COUNTRY CUSTOMER	ORDER CODE
OBJECT:982ABTS4		5E9	5EE6				106586159
OBJECT:982AETS4		5E9	5EE6				106760853
OBJECT:982YETS4		5E9	5EE6				106197866
OBJECT:CKTSIU4		5E9	5EE6			ED5D734-10 G501/A ED5D734-40 G1	
OBJECT:CTSNS		5E9	5EE6				106619125
OBJECT:DX		5E9	5EE6				107075202
OBJECT:ENLI		5E9					106613128
OBJECT:JMPRCHAN	30 CHNL.	5E9	5EE6				102898509
OBJECT:NLI		5E9	5EE6				106613102
OBJECT:NLI1		5E9	5EE6				106770829
OBJECT:PLI		5E9	5EE6				106613110
OBJECT:PWRTSIU4		5E9	5EE6				106560154
OBJECT:TSICOM		5E9	5EE6				107198152 107662785
OBJECT:TSIS		5E9	5EE6 5EE10	XCDU			106991847 107850232
OBJECT:TSIU4		5E9	5EE6				847378932

TABLE D6

MODIFY TAG: NBDATE3

TABLE D6 - NSI TYPE DESIGNATION LABEL		
UNIT ATTRIBUTES		REFERENCE CODE
COUNTRY	OTHER	

TABLE D7

MODIFY TAG: NBDATE3

TABLE D7 - FRONT NS TYPE DESIGNATION LABEL				
UNIT ATTRIBUTES			REFERENCE TEMPLATE	SHELF #
EXCHANGE TYPE	COMMUNITY NUMBER	LINE GROUP NUMBER		
			ED5D075-11, G94 TOP	
			ED5D075-11, G96 BOTTOM	

TABLE D8

MODIFY TAG: NBDATE3

TABLE D8 - REAR NS TYPE DESIGNATION LABEL									
APPARATUS		UNIT ATTRIBUTES				MIN APPARATUS		REFERENCE	TEMPLATE
CODE	H EQL	INTERFACE CHARACTERISTIC	MINIMUM RELEASE	EXCHANGE TYPE	FEATURE/ OPTION	CODE	H EQL		
			5EE6,5E9					ED5D075-11, G95	TOP
			5EE6,5E9					ED5D075-11, G97	BOTTOM

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