ENGINEERING NOTES

51. INFORMATION FURNISHED PER THIS DRAWING IS IN ACCORDANCE WITH AT&T PRACTICES 365-302-102.

52. THIS DRAWING CONTAINS ENGINEERING INFORMATION FOR ORDERING STORAGE SPOOLS ASSOCIATED WITH FIBER-OPTIC LIGHTGUIDE CABLES. JOB INFORMATION SHALL BE RECORDED BY LIST OR GROUP.

53. WHEN THE SMC CABINET IS E/W MCTU2 PER J5D003LA ORDER ONE GROUP 7 STORAGE SPOOL FOR THE RIGHT UPRIGHT OF THE SMC CABINET ONLY.

ISSUE NOTES

GROUPS 1-6 AND ASSOC STOCKLIST ADDED. DRAWING PARTITIONED.

AT&T CL: A ORIG ISS: 02/07/84 WECO CL: A

DRAFT: DJP	ENGR: JRK	SUPV:	VAULT: 05/08/84	ISSUE: 3

FIG. 13 (TMSU2 IN CM2) ADDED. LIST OF ASSOCIATED DRAWING TABLE CORRECTED.

ORIG ISS: 02/07/84 CHANGE CLASS: D

DRAFT: DJP	ENGR: IDK	SUPV:	VAULT: 12/10/84	ISSUE: 4

```
----------------------------------------------------------------
*  DRAWING CONVERTED FROM SEDBS TO MDS COMPUTER SYSTEMS.       *
*  THIS IS A MACHINE COPY OF THE LATEST SEDBS CERTIFIED ISSUE  *
*  AND MAY CONTAIN MINOR DIFFERENCES.  THE TABLE OF ASSOCIATED *
*  DRAWINGS WAS ELIMINATED DURING MIGRATION TO ASSIST THE      *
*  SCRUBBING OF PROPRIETARY INFORMATION.                       *
----------------------------------------------------------------
```

IN TABLE 'A' G3 CMS CHANGED TO READ CM2. DRAWING RATING REMOVED. RATING USED TO READ 'PROV'.

ORIG ISS: 02/07/84 CHANGE CLASS: B

DRAFT: DJP	ENGR: IDK	SUPV:	CERTIFIED: 02/26/86	ISSUE: 5

GROUP 7, NOTE 53 & ASSOC REF ADDED. DWG PROV RATING RMVD.

ORIG ISS: 02/07/84 CHANGE CLASS: M

DRAFT: REW	ENGR: IDK	SUPV:	CERTIFIED: 11/02/89	ISSUE: 6

MFG NOTES MOVED FROM SH B1 TO SH D1 AND RENUMBERED FROM B1-B8 TO 1-8. NOTE 9 ADDED. SK.A ADDED ON SH B1.

ORIG ISS: 02/07/84 CHANGE CLASS: M

DRAFT: HZP	ENGR: JJK	SUPV:	CERTIFIED: 10/23/90	ISSUE: 7

FIG.12A ADDED TO SHOW DRESS OF ODL50 CABLES; SECT. AA EXPANDED TO SHOW ODL50 TERMINATION DESIGNATIONS.

ORIG ISS: 02/07/84 CHANGE CLASS: M

DRAFT: HZP	ENGR: JJK	SUPV:	CERTIFIED: 02/26/91	ISSUE: 8

IN FIG. 1 FIBER OPTIC CABLE DRESS MOVED FROM TOWEL BAR TO NEW CABLE SUPPORT REFERENCED AS COM CODE 846935039.

ORIG ISS: 02/07/84 CHANGE CLASS: ME

DRAFT: JJK	ENGR: JJK	SUPV:	CERTIFIED: 04/01/92	ISSUE: 9

GROUP 8 ADDED,FIG. 14 ADDED FOR DNU-S UNIT.

ORIG ISS: 02/07/84 CHANGE CLASS: B

DRAFT: REW	ENGR: REW	SUPV:	CERTIFIED: 08/17/94	ISSUE: 10

MANUFACTURING NOTE 10 ADDED. "S" ITEM ADDED TO NOTE COLUMN IN STOCKLIST.

ORIG ISS: 02/07/84 CHANGE CLASS: MF

DRAFT: REW	ENGR: REW	SUPV:	CERTIFIED: 08/30/94	ISSUE: 11

ISSUE NOTES (CONTINUED)

FIG 1,TEXT CHG'D TO READ FIBER OPTIC CABLES SHALL BE PROTECTED FROM METAL WORK AND LACEING TWINE BY WRAPPING WITH SHEET FIBER AT TIE POINTS.

ORIG ISS: 02/07/84 CHANGE CLASS: M

DRAFT: WJV	ENGR: WJV	SUPV:	CERTIFIED: 12/29/94	ISSUE: 12

(H8111) TAG (TRCU3) ADDED GROUP 9 TO TABLE A AND TO STOCKLIST ITEM NUMBER 1090. ADDED FIG. 15 TO SHEET B12.

ORIG ISS: 02/07/84 NDD NBR: NDD5D003NW-825 CHANGE CLASS: B

DRAFT: GLG	ENGR: GLG	SUPV:	CERTIFIED: 08/06/98	ISSUE: 13

(H8504) PER NUMERIC POINT ITEM ELIMINATION NOTE "S" FOR ST ITEMS 1010 THRU 1090 WAS CHANGED TO NOTE "X".

ORIG ISS: 02/07/84 CHANGE CLASS: ME

DRAFT: PKK	ENGR: PKK	SUPV:	CERTIFIED: 12/11/98	ISSUE: 14

-------TAG H8667 (JJW)-------
(H8667)
ADDED GRPH SHT B13 TO DRAWING.

ORIG ISS: 02/07/84 CHANGE CLASS: ME

DRAFT: JJW	ENGR: GLC	SUPV:	CERTIFIED: 06/06/00	ISSUE: 15

SHEET INDEX

SHT NBR / ISSUE	A1 THRU A2 ISSUE 15										
SHT NBR / ISSUE	D1 THRU D2 ISSUE 15										
SHT NBR	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11
ISSUE	13	13	13	13	13	13	13	13	13	13	13
SHT NBR	B12	B13									
ISSUE	13	15									
SHT NBR											
ISSUE											
SHT NBR											
ISSUE											
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ISSUE											
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SHT NBR											
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SHT NBR											
ISSUE											
SHT NBR											
ISSUE											
SHT NBR											
ISSUE											

TABLE D-LIST OF ASSOCIATED REFERENCES

NUMBER	TITLE
=ED5D518-30	FIBER OPTIC CABLE ASSY'S
=DENOTES NOT REQD BY INSTALLER	

ED5D518-10

BT13

5ESS SWITCHING EQUIPMENT
METHOD OF CABLING
FOR
FIBER OPTIC CABLES

DWG SIZE	ISSUE
C2	15

LUCENT TECHNOLOGIES INC | ED5D518-10 | SHEET A1 OF 17

PRINTED IN U.S.A.

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
TWO SINGLE STORAGE SPOOLS FOR SINGLE-MODULE OFFICE WHEN FIBER-OPTIC CABLES ARE LESS THAN 100 FT LG (LOC OVER SMC 1)(FOR C.O. ONLY, NOT FOR RSM). SEE NOTE 53.			1								
ONE DOUBLE SPOOL ASSY FOR CROSS AISLE TROUGH FOR SINGLE-MODULE OFFICE WHEN FIBER-OPTIC CABLES ARE MORE THAN 100 FT LG.			2								
TWO SINGLE STORAGE SPOOLS REQUIRED FOR EACH SWITCHING MODULE (SMC 1) OF A MULTI-MODULE OFFICE WHEN THE FIBER-OPTIC CABLES BETWEEN THE SM & TMS OR CM2 ARE LESS THAN 100 FT LG. SEE NOTE 53.			3								
TWO DOUBLE SPOOL ASSY REQUIRED FOR EACH SWITCHING MODULE (CROSS AISLE TROUGH) OF A MULTI-MODULE OFFICE WHEN THE FIBER-OPTIC CABLES BETWEEN THE SM & TMS OR CM2 ARE MORE THAN 100 FT LG.			4								
TWO SINGLE STORAGE SPOOLS (ONE EACH FOR MSG 0 & MSG 1) FOR MULTI-MODULE OFFICE WHEN BOTH FIBER-OPTIC CABLES BETWEEN TMS & MSG ARE LESS THAN 100 FT LG. (IF EITHER CABLE EXCEEDS 100 FT, THEN ORDER GROUP 6). SEE NOTE 53			5								
ONE DOUBLE SPOOL ASSY (FOR CROSS AISLE TROUGH NEAR MSG 0 & MSG 1) FOR MULTI-MODULE OFFICE WHEN EITHER OR BOTH FIBER-OPTIC CABLES BETWEEN TMS AND MSG ARE MORE THAN 100 FT LG.			6								
ONE SINGLE STORAGE SPOOL REQUIRED FOR EACH SWITCHING MODULE (SMC 1) WHEN EQUPPED WITH MCTU2 PER J5D003LA AND FIBER OPTIC CABLE IS LESS THAN 100 FT LONG.			7								
TWO SINGLE STORAGE SPOOLS REQUIRED FOR SM2000 LTP CABINET E/W ONE OR TWO DNU-S UNIT AND FIBER OPTIC CABLE IS LESS THAN 100 FT LONG.			8								
TWO SINGLE STORAGE SPOOLS REQUIRED FOR SM2000 LTP OR CLASSIC E/W ONE TO SIX J5D003EF-1 (TRCU3) DNU-S UNIT AND FIBER OPTIC CABLE IS LESS THAN 100 FT LONG.			9								

END OF TABLE-A

BT13

5ESS SWITCHING EQUIPMENT
METHOD OF CABLING
FOR
FIBER OPTIC CABLES

DWG SIZE C2 | ISSUE 15

PRINTED IN U.S.A.

D

FIBER OPTIC CABLES SHALL BE PROTECTED FROM METAL WORK AND LACEING TWINE BY WRAPPING WITH SHEET FIBER AT TIE POINTS

XTRA SINGLE FIBERS OF THE DUPLEX IS PLACED IN A LOOP AT THE UPRIGHT

MINIMUM BEND RADIUS 1/2" AT THIS POINT ONLY

100

084

145

LEV 136

W

BL

RCV

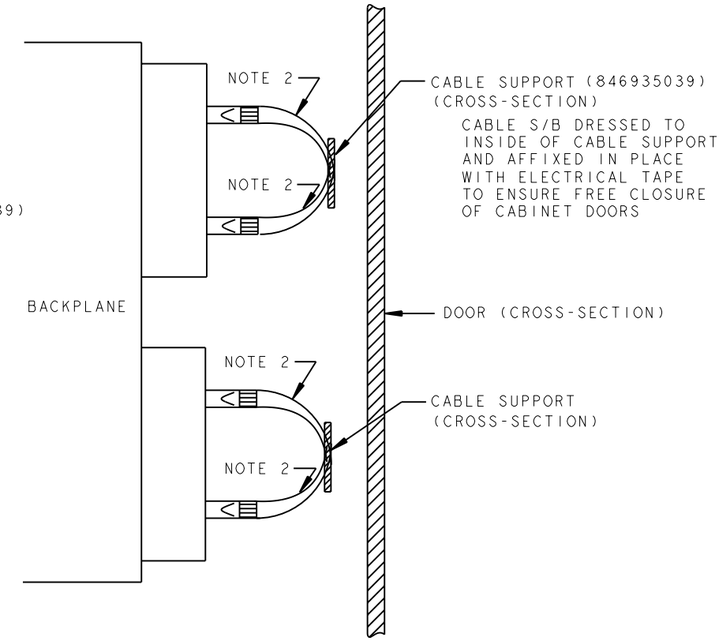
XMIT

PIDB

PICB

CABLE SUPPORT (846935039)

FIBER OPTICS SEE FIG. 12 FOR RADIUS LIMITERS



SIDE VIEW
REAR OF FRAME
(SEE NOTE 9)
SK.A

FIG. 1

REAR VIEW
FIBER OPTIC DRESS FOR
J5D003AT TIME SLOT INTERCHANGE
UNIT MODEL 2 IN A
MULTIMODULAR OFFICE

METHOD OF CABLING FOR FIBER OPTIC CABLES (P)	THIRD ANGLE PROJN	
	DWG SIZE C2	ISSUE 13
LUCENT TECHNOLOGIES	ED5D518-10	SHEET NO. B1

MODEL NAME

PRO/E-EQEDFORM.FRM-FEB 96

ED5D518-10

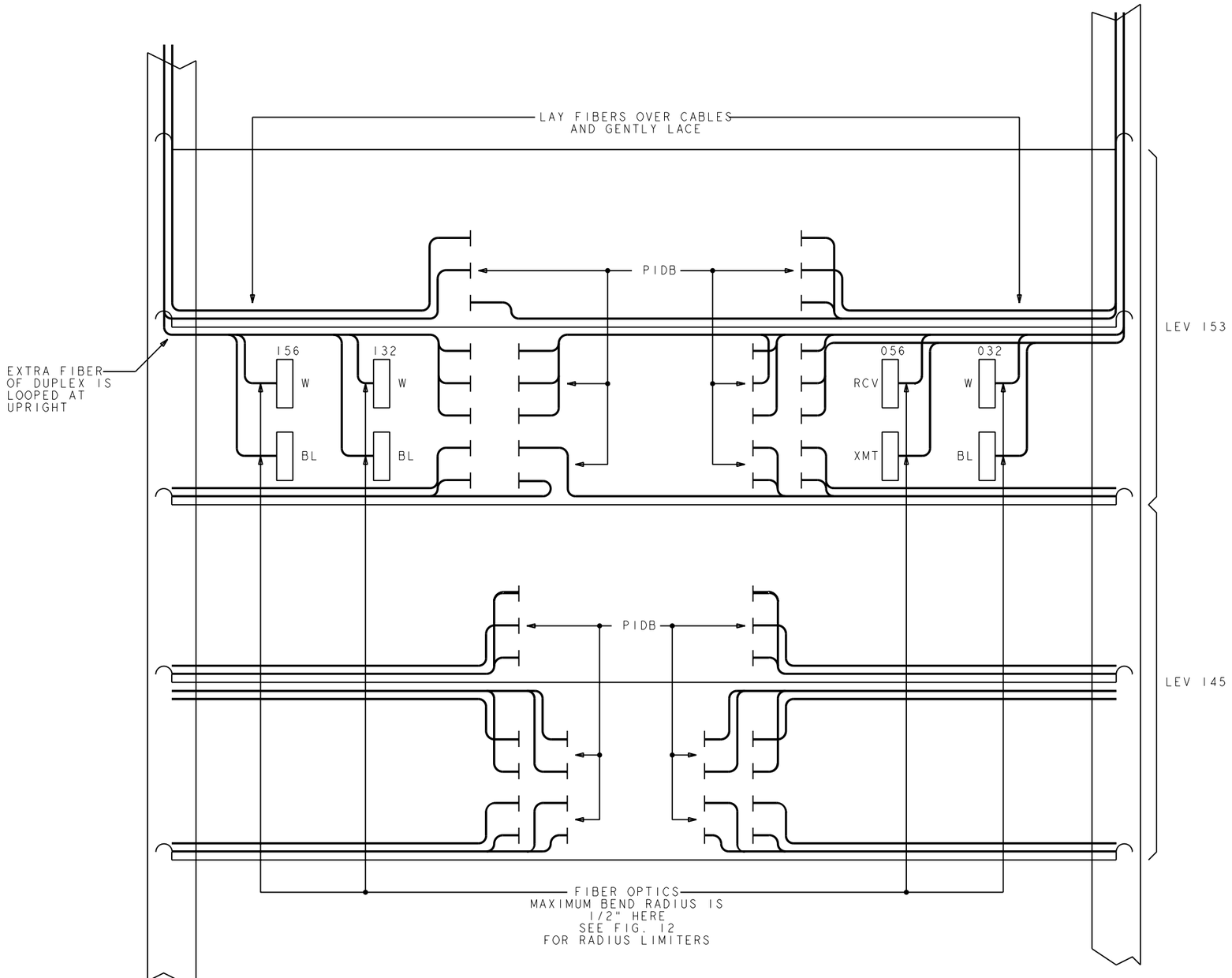


FIG. 2
REAR VIEW
FIBER OPTIC DRESS ON THE J5D003AB
UNIT TIME SLOT INTERCHANGE UNIT IN A
MULTIMODULAR CONFIGURATION

METHOD OF CABLING FOR FIBER OPTIC CABLES (P)		THIRD ANGLE PROJN
	DWG SIZE C2	ISSUE 13
LUCENT TECHNOLOGIES	ED5D518-10	SHEET NO. B2

MODEL NAME

ED5D518-10

PRO/E-EQEDFORM.FRM-FEB 96

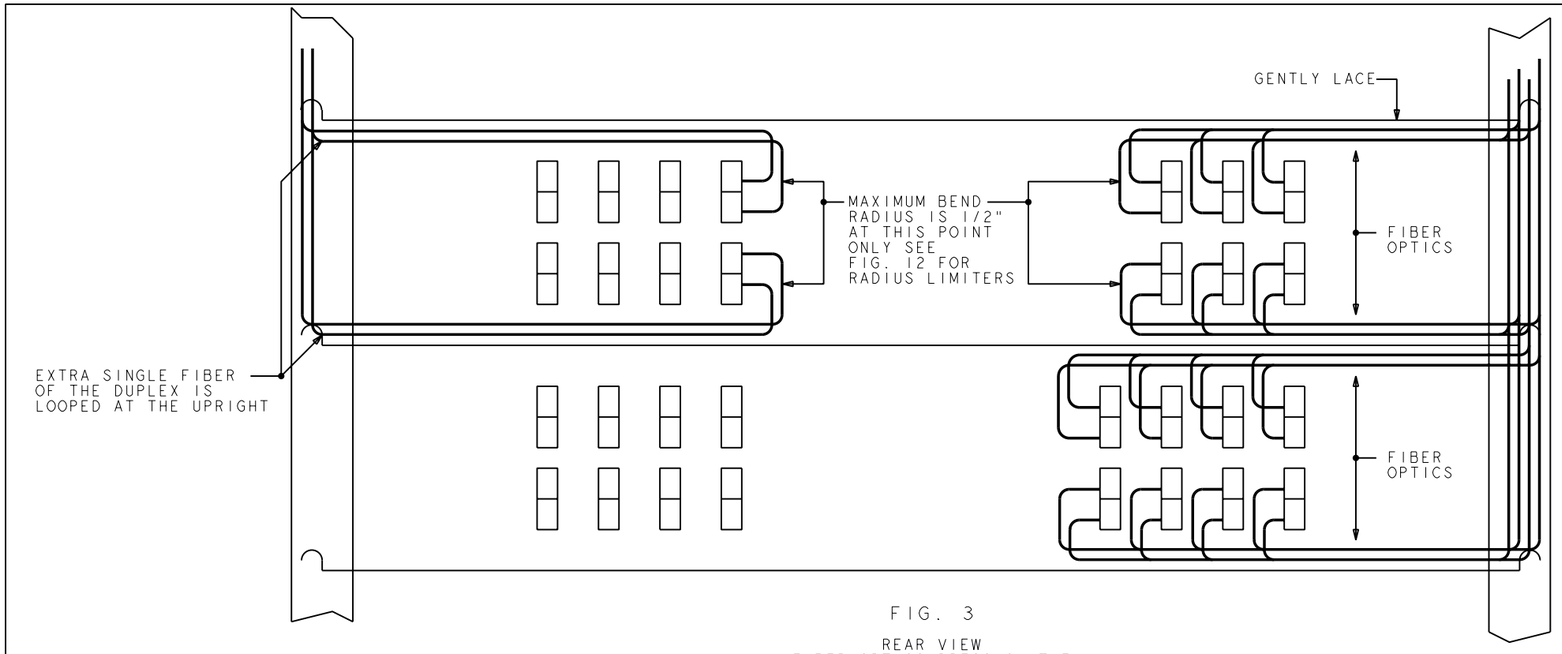


FIG. 3

REAR VIEW
FIBER OPTICS DRESS ON THE
TIME MULTIPLEX SWITCH

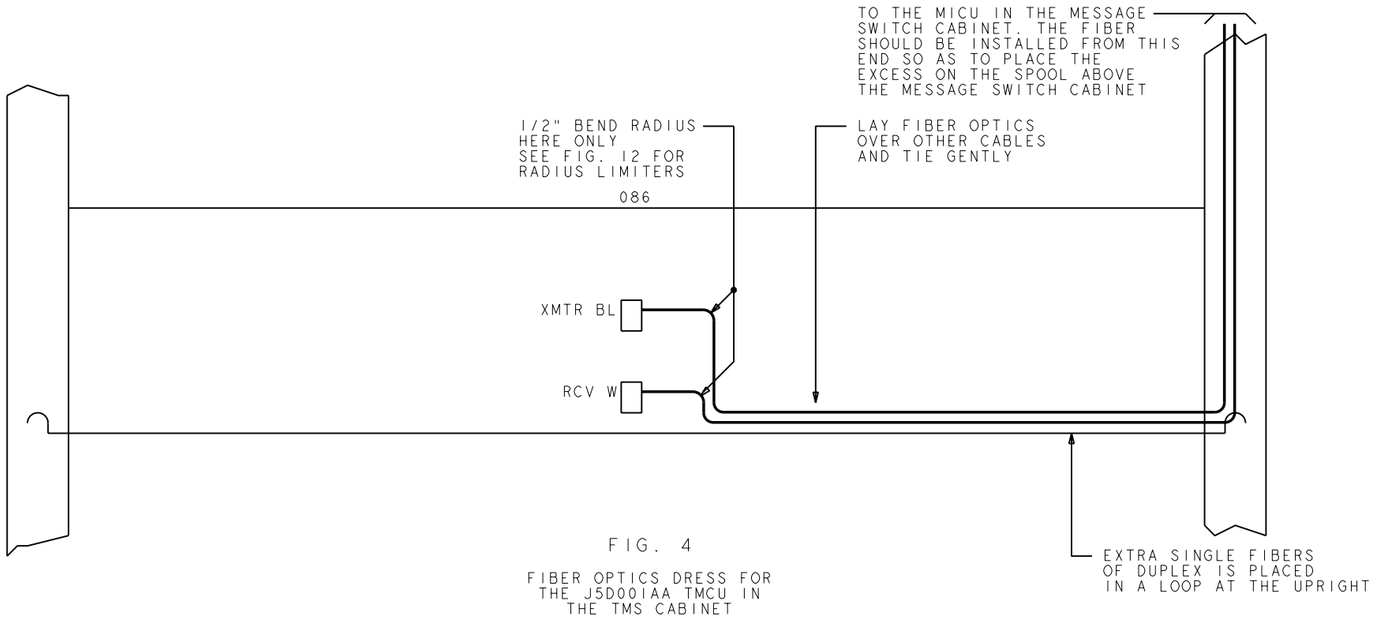


FIG. 4

FIBER OPTICS DRESS FOR
THE J5D001AA TMCU IN
THE TMS CABINET

METHOD OF CABLING
FOR
FIBER OPTIC CABLES

THIRD ANGLE PROJN

DWG SIZE C2 | ISSUE 13

LUCENT TECHNOLOGIES | ED5D518-10 | SHEET NO. B3

MODEL NAME

ED5D518-10

PRO/E-EQEDFORM.FRM-FEB 96

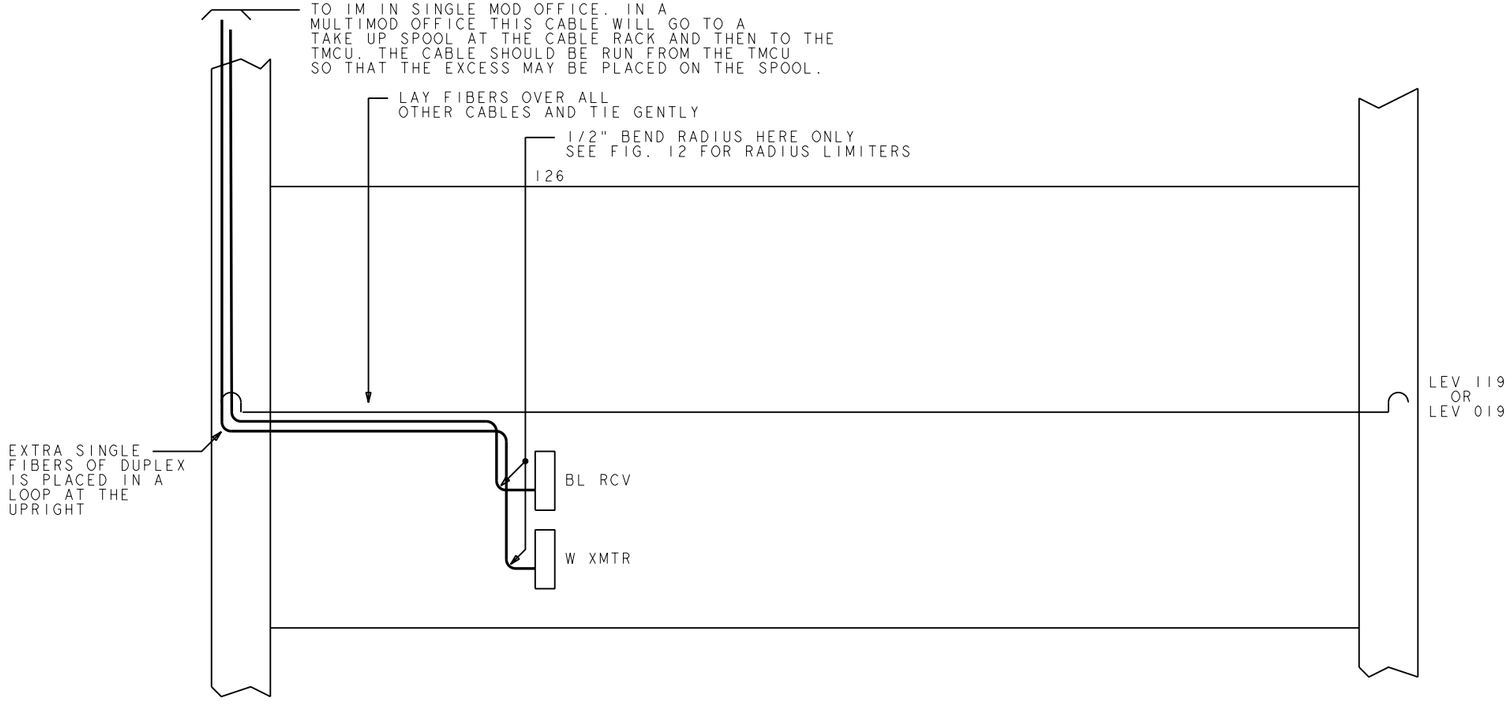


FIG. 5

REAR VIEW
FIBER OPTICS DRESS FOR
THE J5D006AA-1 MICU
IN THE MESSAGE SWITCH CABINET

FIG. 6

REAR VIEW
FIBER OPTIC DRESS ON THE
J5D003AB TIME SLOT INTERCHANGE
UNIT IN A SINGLE MODULAR CONFIGURATION

METHOD OF CABLING
FOR
FIBER OPTIC CABLES

THIRD ANGLE PROJN

DWG SIZE	ISSUE
C2	13

LUCENT TECHNOLOGIES	ED5D518-10	SHEET NO. B4

MODEL NAME

ED5D518-10

PRO/E-EQEDFORM.FRM-FEB 96

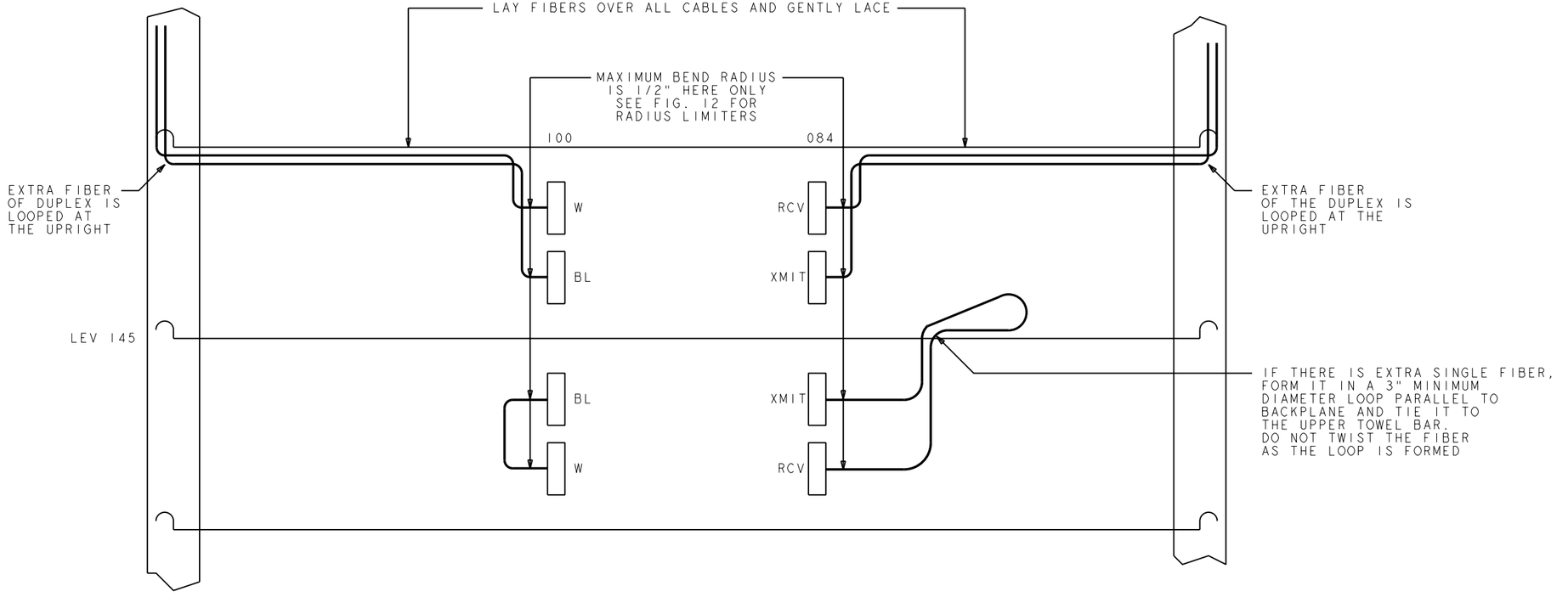


FIG. 7
REAR VIEW
FIBER OPTIC DRESS FOR J5D003AT
TIME SLOT INTERCHANGE UNIT MODEL 2
IN A MULTMODULAR OFFICE

ED5D518-10

METHOD OF CABLING FOR FIBER OPTIC CABLES (P)		THIRD ANGLE PROJN
	DWG SIZE C2	ISSUE 13
LUCENT TECHNOLOGIES	ED5D518-10	SHEET NO. B5

MODEL NAME

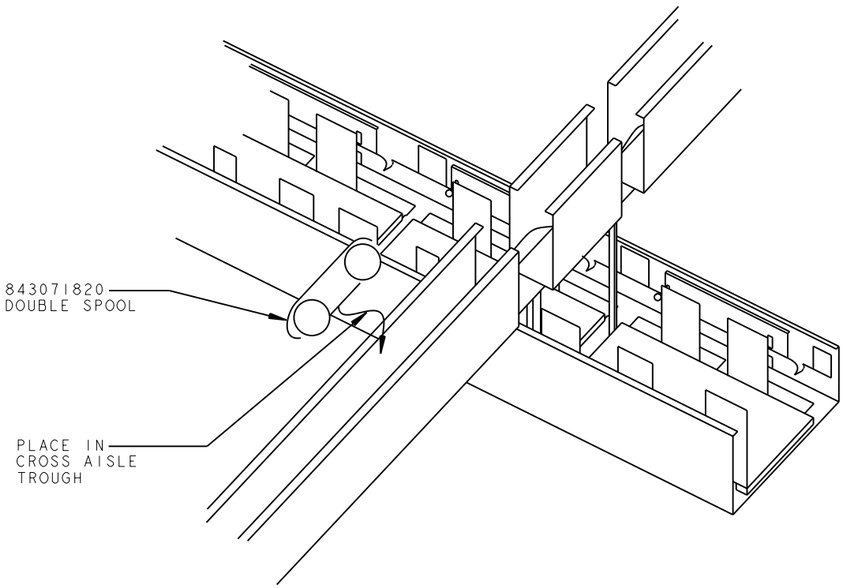


FIG.8

FOR FIBER OPTIC RUNS OVER 100 FT LONG, A DOUBLE SPOOL WHICH FITS INTO THE CABLE RACK CROSS AISLE TROUGH IS USED TO TAKE UP EXTRA CABLE.

TWISTING OF THE DUPLEX CABLE SHOULD BE AVOIDED AS THE CABLE IS WRAPPED AROUND BOTH SPOOLS.

TWO WAYS TO WIND THE CABLE ARE OR THE FIRST METHOD WILL STORE THE MOST CABLE. THE SECOND METHOD WILL HELP TO AVOID TWISTING.

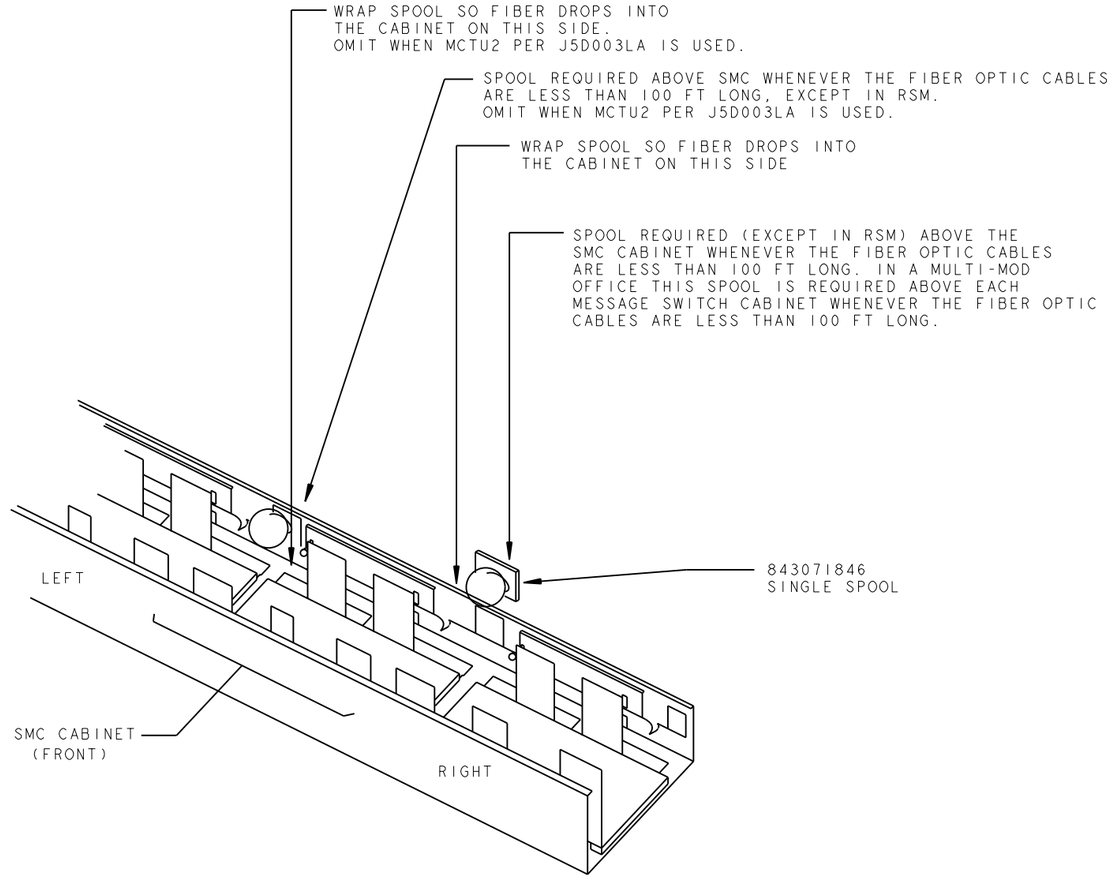


FIG.9

THE CABLE SPOOL MOUNTS ABOVE BOTH SIDES OF THE SWITCHING MODULE CONTROL CABINET WHENEVER THE FIBER-OPTIC CABLES ARE LESS THAN 100 FT LG. IN A MULTI-MOD OFFICE, ONE SPOOL IS SUPPLIED FOR EACH MICU WHENEVER THE FIBER-OPTIC CABLES ARE LESS THAN 100 FT LG.

OMIT CABLE SPOOL AT LEFT SIDE OF CABINET WHEN THE SMC IS EQUIPPED WITH MCTU2 PER J5D003LA.

IN THE MULTIMOD OFFICE EACH SPOOL IS USED TO TAKE UP EXCESS CABLE LENGTHS FOR 2 DUPLEX OR 4 SINGLE CABLES.
IN THE SINGLE MOD OFFICE EACH SPOOL ACCOMODATES ONLY ONE DUPLEX CABLE.

TWISTING OF THE DUPLEX CABLE SHOULD BE AVOIDED AS THE CABLE IS WRAPPED AROUND THE SPOOL.

METHOD OF CABLING FOR FIBER OPTIC CABLES (P)	THIRD ANGLE PROJN	
	DWG SIZE C2	ISSUE 13
LUCENT TECHNOLOGIES	ED5D518-10	SHEET NO. B6

MODEL NAME

ED5D518-10

PRO/E-EQEDFORM.FRM-FEB 96

D

SEE NOTE 2

PLACE EXCESS FIBER AT THE UPRIGHT

SEE FIG.12 FOR RADIUS LIMITERS

LEV 153

145 LEV

SEE NOTE 2

TSIU J5D003AB

J5D003AP

FIU

LEV 036

LEV 136

SEE FIG.12 FOR RADIUS LIMITERS

PLACE EXCESS FIBER AT THE UPRIGHT

LEV 028

DLTU

LEV 128

J5D003AD

IMP J5D003AA-2

LEV 019

DLTU

SPARE

LEV 119

J5D003AD

FIG. 10

REAR VIEW
FIBER OPTIC DRESS IN THE RSM

METHOD OF CABLING FOR FIBER OPTIC CABLES

THIRD ANGLE PROJN

DWG SIZE C2

ISSUE 13

LUCENT TECHNOLOGIES

ED5D518-10

SHEET NO. B7

MODEL NAME

ED5D518-10

PRO/E-EQEDFORM.FRM-FEB 96

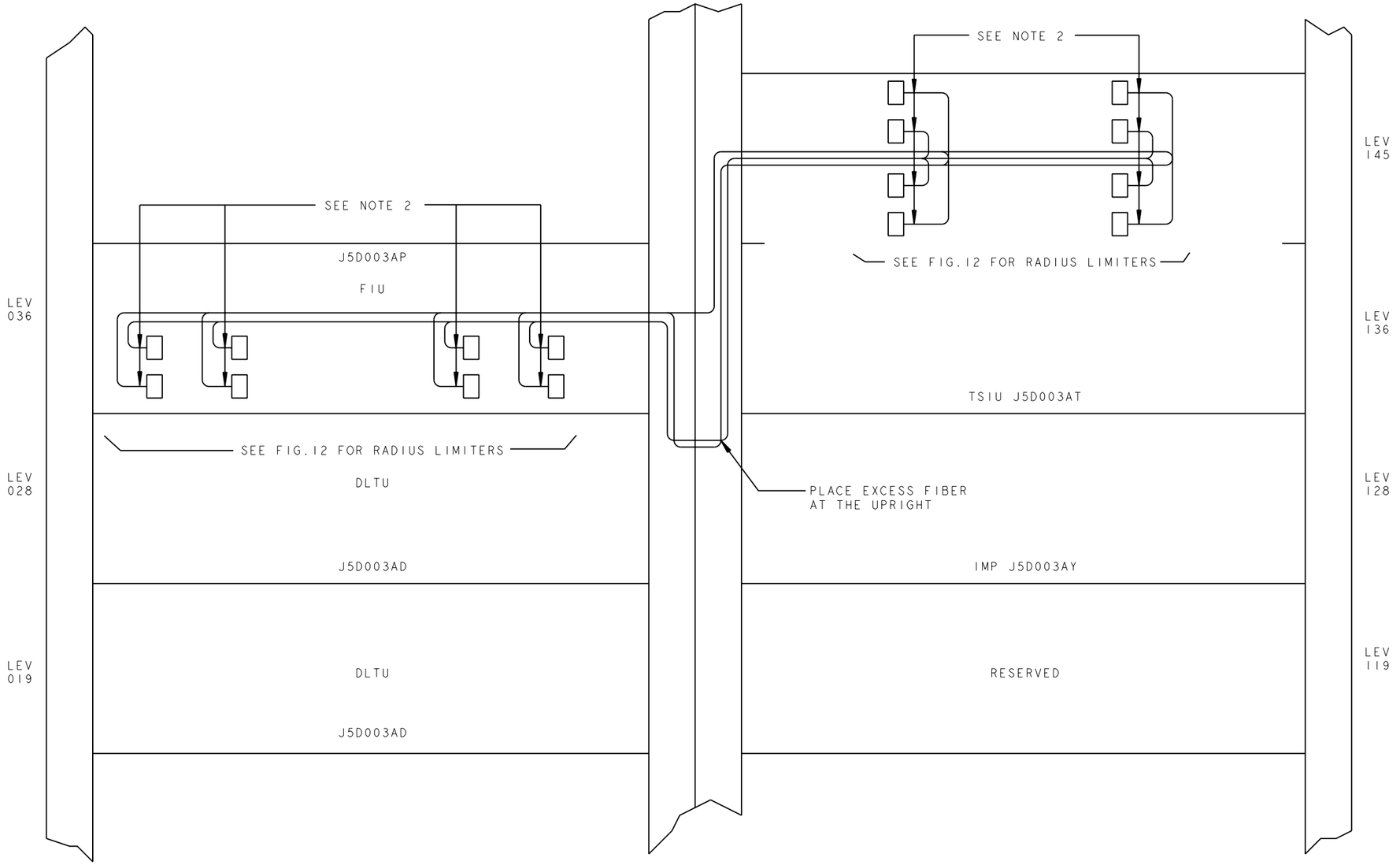


FIG. 11

REAR VIEW

FIBER OPTIC DRESS IN THE RSM

METHOD OF CABLING FOR FIBER OPTIC CABLES	THIRD ANGLE PROJN	
	DWG SIZE: C2	ISSUE: 13
LUCENT TECHNOLOGIES	ED5D518-10	SHEET NO. B8

MODEL NAME

PRO/E-EQEDFORM.FRM-FEB 96

ED5D518-10

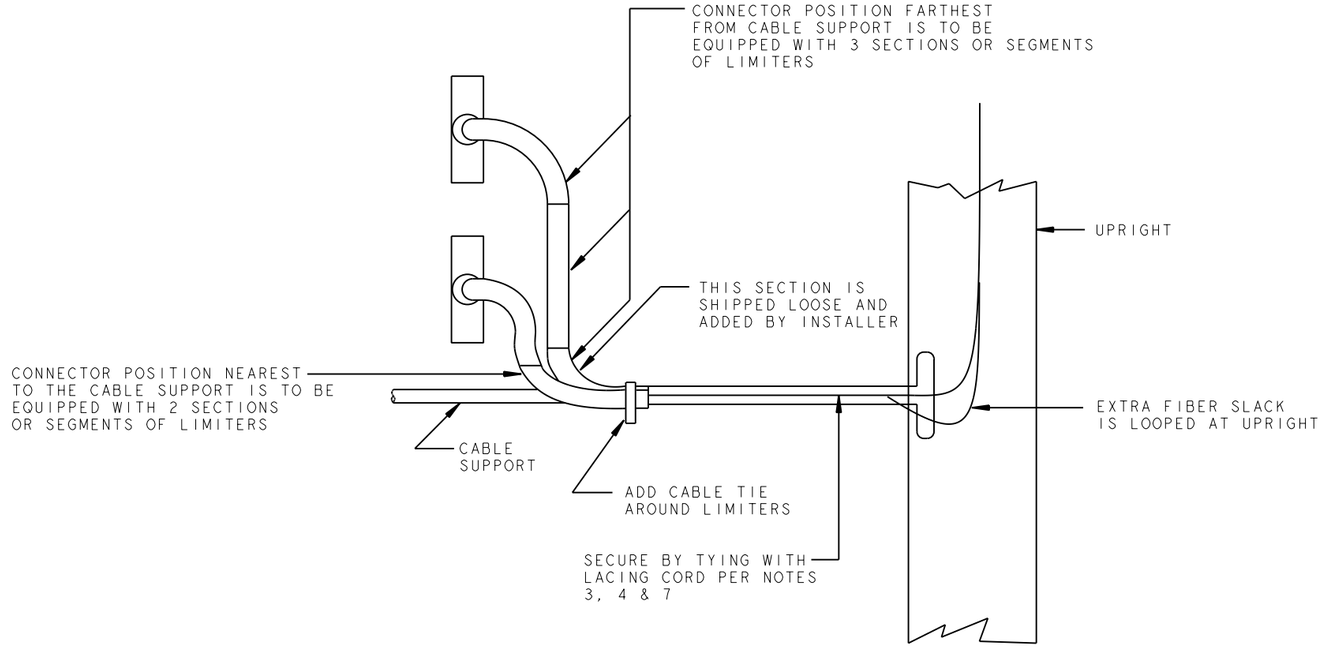


FIG. I2

(ODL40)
TYPICAL ARRANGEMENT OF FIBER OPTIC LIGHTGUIDE CABLING
SHOWING REQUIREMENTS FOR ADDITIONAL LIMITERS PER ED-5D5I8-30
TO CONTROL MINIMUM BEND RADIUS

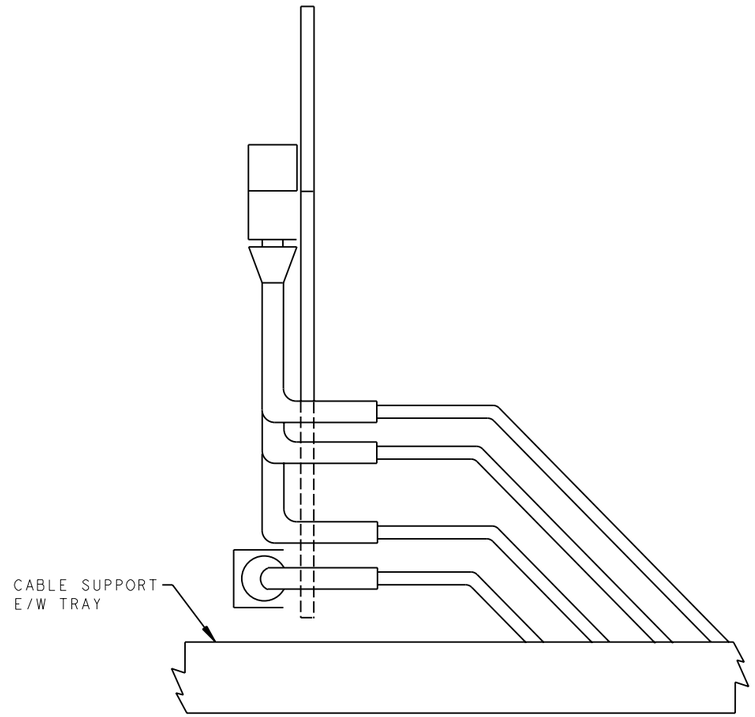


FIG. I2A

(ODL50)
TYPICAL ARRANGEMENT OF FIBER OPTIC LIGHTGUIDE CABLING
WITH CABLE SUPPORT

FINAL ASSEMBLY OF CABLE SUPPORT & EXTENDER CAP SHOULD BE MADE AFTER CABLE IS POSITIONED ON UNIT.

METHOD OF CABLING FOR FIBER OPTIC CABLES (P)

THIRD ANGLE PROJN

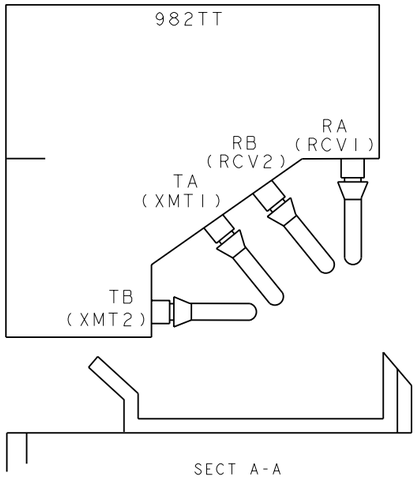
DWG SIZE C2 | ISSUE I3

LUCENT TECHNOLOGIES | ED5D5I8-I0 | SHEET NO. B9

MODEL NAME

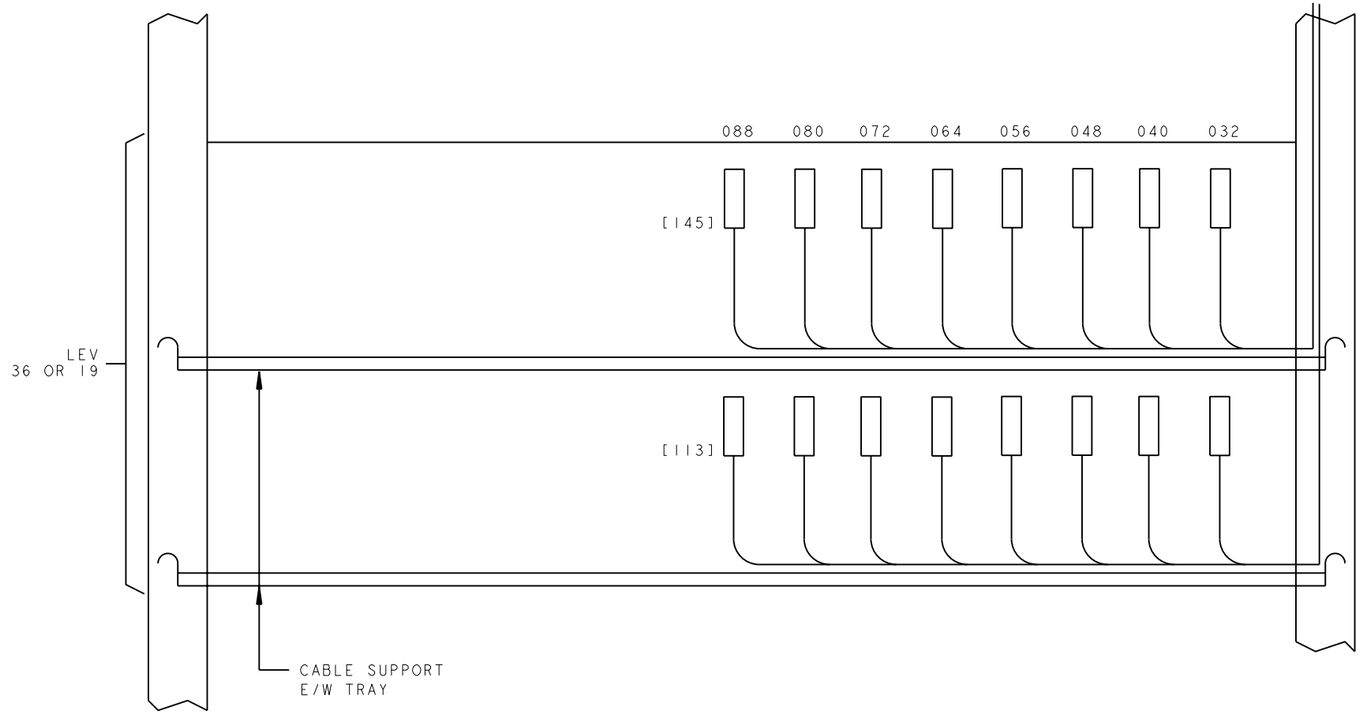
ED5D5I8-I0

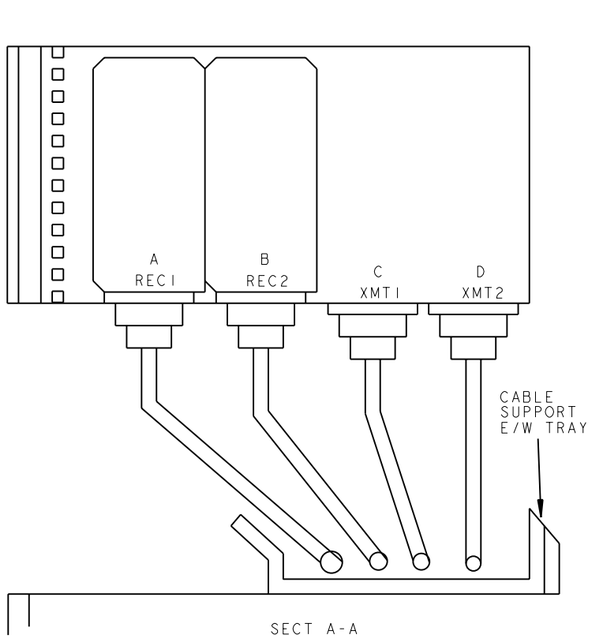
PRO/E-EQEDFORM.FRM-FEB 96



SECT A-A

SIDE VIEW OF FIBER OPTIC
TERMINATION ON TMSU2 J5D020AD
IN CM2
(ODL50)





SECT A-A

SIDE VIEW OF FIBER OPTIC
TERMINATION ON TMSU2 J5D020AD
IN CM2
(ODL40)

FIG. 13

FIBER OPTIC DRESS FOR
THE J5D020AD TMSU2
IN CM2 CABINET
(SEE NOTE 6)

NOTE: FIBER OPTIC CABLE END E/W LIMITERS IS INTERCONNECTED TO A TSIU. CABLE END WITHOUT LIMITERS IS INTERCONNECTED TO A TMSU2 AT CM2.

METHOD OF CABLING FOR FIBER OPTIC CABLES Ⓟ	THIRD ANGLE PROJN	
	DWG SIZE C2	ISSUE 13
LUCENT TECHNOLOGIES	ED5D518-10	SHEET NO. B10

MODEL NAME

PRO/E-EQEDFORM.FRM-FEB 96

ED5D518-10

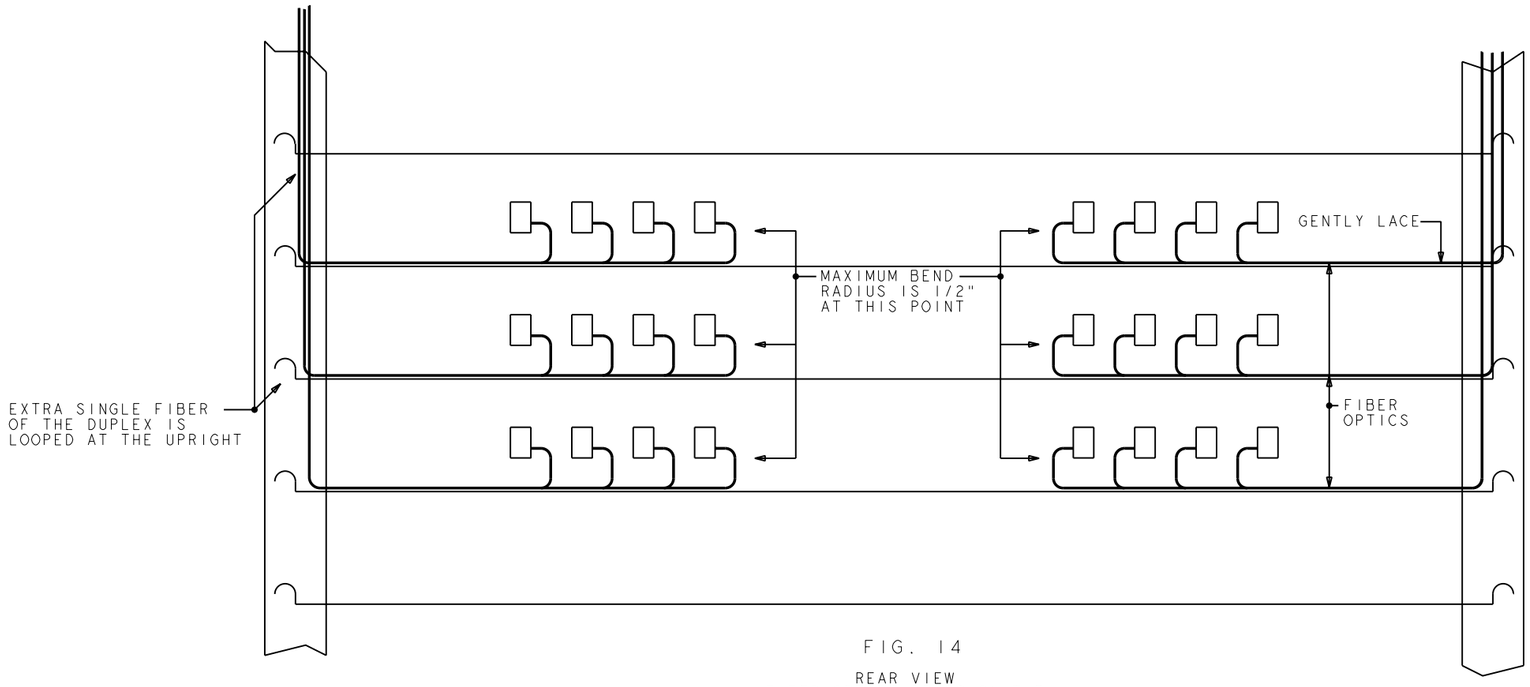


FIG. 14

REAR VIEW
FIBER OPTICS DRESS ON THE
J5d003FR-1 DIGITAL NETWORK UNIT-SONET

METHOD OF CABLING FOR FIBER OPTIC CABLES Ⓟ	THIRD ANGLE PROJN	
	DWG SIZE C2	ISSUE 13
LUCENT TECHNOLOGIES	ED5D518-10	SHEET NO. B11

MODEL NAME

ED5D518-10

PRO/E-EQEDFORM.FRM-FEB 96

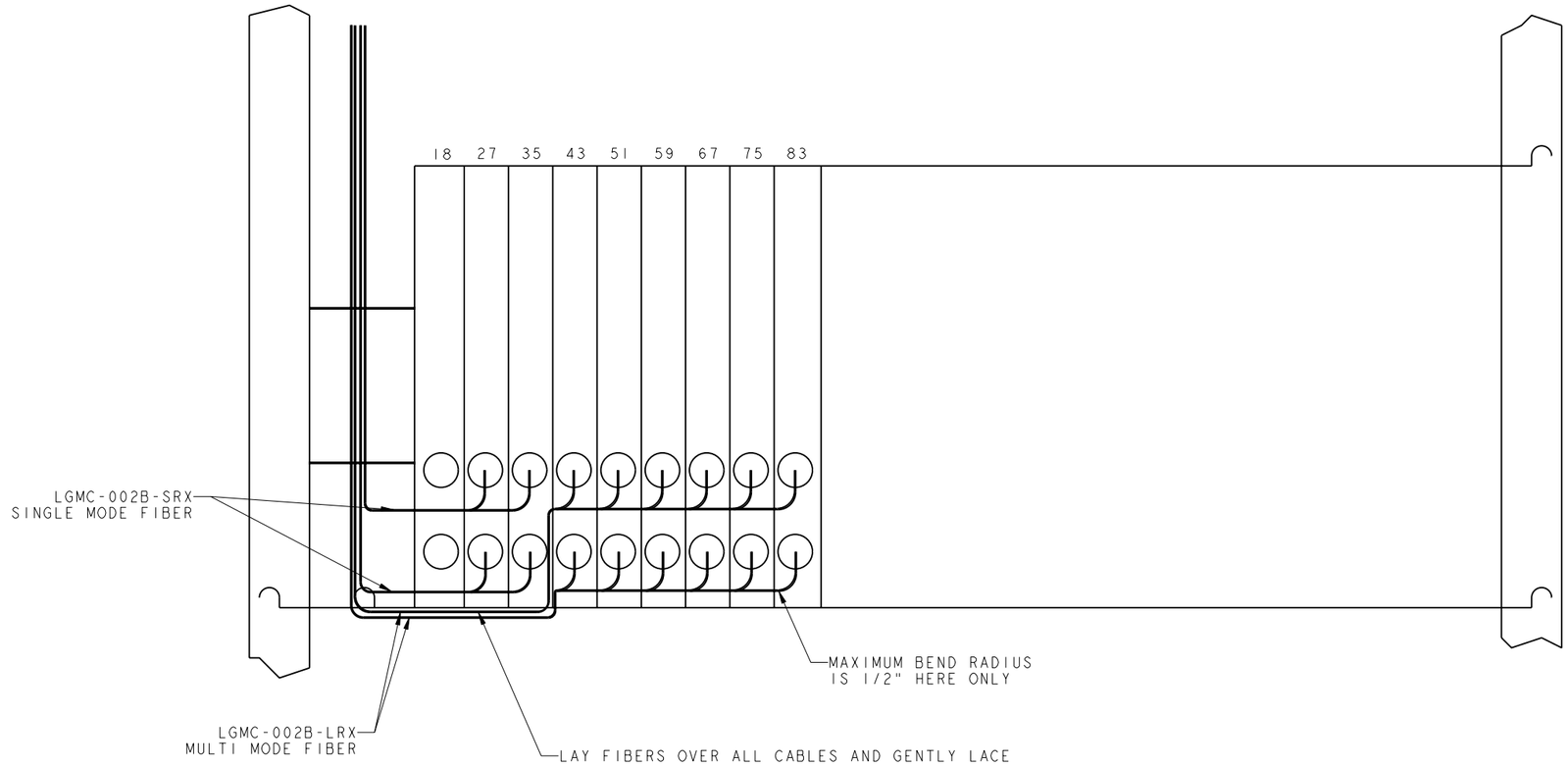


FIG. 15
FIBER OPTIC DRESS FOR
THE J5D003EF-1 IN THE
TRCU3 UNIT

PRO/E-EQEDFORM.FRM-FEB 96

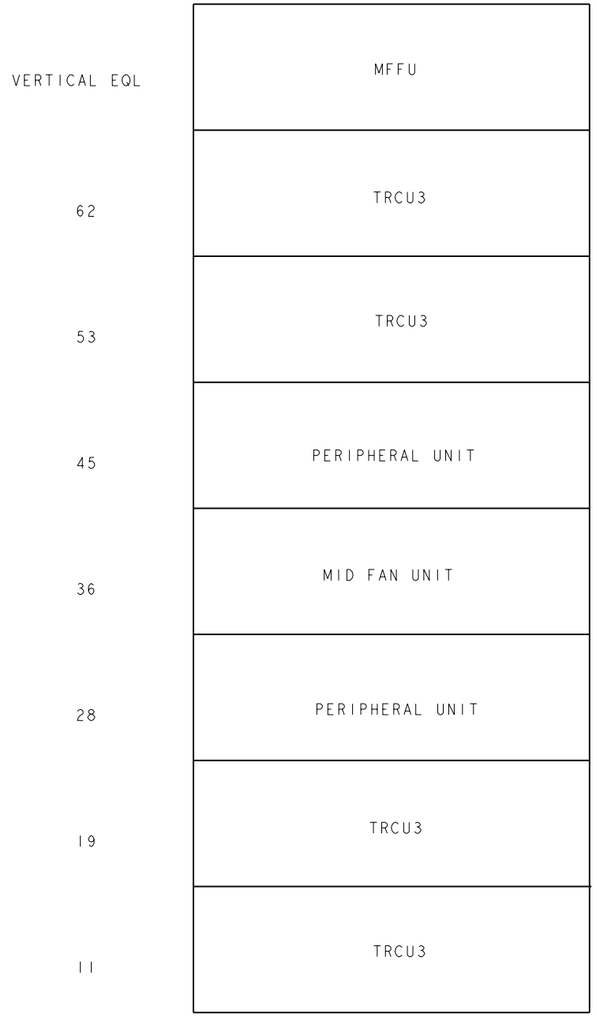
ED5D518-10

METHOD OF CABLING FOR FIBER OPTIC CABLES		THIRD ANGLE PROJN
	DWG SIZE C2	ISSUE 13
LUCENT TECHNOLOGIES	ED5D518-10	SHEET NO. B12

MODEL NAME

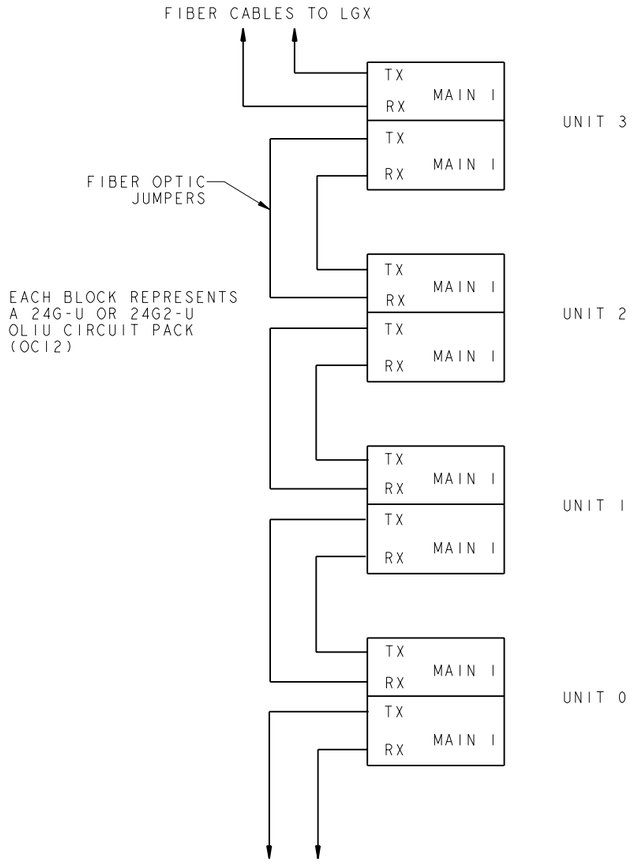
D

TYPICAL EXAMPLE OF 4 TRCU3'S
MOUNTED IN AN LTP CABINET



LTP OR CLASSIC SMC CABINET

TRCU3 OCI2 APPLICATION



NOTE: ALL FIBER JUMPERS ARE SINGLE MODE FIBER WITH ST CONNECTORS ON EACH END.

CAN HAVE UP TO FOUR TRCU3 OCI2'S DAISY CHAINED TOGETHER AT THE HOST AND/OR THE REMOTE SITE.

FIGURE I
EXAMPLE OF DAISY CHAINED
TRCU3 IN OCI2 APPLICATION

PRO/E-EQEDFORM.FRM-FEB 96

METHOD OF CABLING
FOR
FIBER OPTIC CABLES

THIRD ANGLE PROJN

DWG SIZE C2 | ISSUE I5

LUCENT TECHNOLOGIES | ED5D518-10 | SHEET NO. B13

ED5D518-10

MODEL NAME

MANUFACTURING NOTES

***** CONTINUED *******

9. WHILE MAINTAINING ALL RESTRICTIONS SET FORTH IN NOTES 1 THRU 8, CABLE MUST BE DRESSED SO AS TO ENSURE FREE CLOSURE OF CABINET DOORS (SEE SK.A)

SHOP	INST	
	X	10. "S" PARTS NOT ASSEMBLED, SHIPPED SEPARATELY.

MANUFACTURING NOTES

SHOP	INST	
		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	1. WHEN INSTALLED ON FRAMEWORKS OR CABLE RACKS, THESE CABLES SHOULD BE STORED OR SECURED IN PLACE WITH A RADIUS GREATER THAN 3.81CM (1.5 INCHES) EXCEPT BEHIND THE 5ESS UNITS WHERE NOTED. TIGHT BENDS INCREASE THE PROBABILITY THAT A MICROCRACK WILL PROPAGATE THRU THE FIBER OVER A PERIOD OF YEARS AND CAUSE A FAILURE. A RADIUS OF LESS THAN 3.81CM (1.5 INCHES) DURING HANDLING OR INSTALLATION IS NOT DETRIMENTAL, BUT PULLING THE CABLE TIGHT OVER SHARP CORNERS OR OVER RIGHT-ANGLE BENDS SHOULD BE AVOIDED.
X	X	2. 1/2 INCH MINIMUM BEND RADIUS IS ALLOWED ONLY DIRECTLY BEHIND THE CONNECTOR.
X	X	3. IT IS RECOMENDED THAT THE CABLE BE TIED WITH LACING CORD SO THAT IMPRESSIONS ARE NOT FORMED IN THE CABLES. TIGHT LACING OF SINGLES, DUPLEX OR BUNDLES OF SINGLES TO FRAME OR EQUIPMENT SUPPORT MEMBERS MAY INDUCE MICROBENDING LOSSES IN THE GLASS FIBERS.
X	X	4. CABLES SHOULD BE TIED ON THE OUTSIDE OR TOP OF ALL CABLE BUNDLES SO THAT NO UNNECESSARY STRESS IS PLACED ON THE FIBERS.
X	X	5. PROTECTIVE CAPS MUST BE PLACED ON FIBERS'EXPOSED ENDS AND ON THE UNTERMINATED 982 FIBER OPTICS CONNECTORS. THE SURFACE OF THE FIBER AT THE END OF THE CABLE OR CONNECTOR MAY BE SCRATCHED INCREASING THE LOSS AND RAISING THE POSSIBILITY OF TRANSMISSION ERRORS.
	X	6. WHEN FIBER IS INSTALLED IN MULTIMOD OFFICES, IT MUST BE RUN FROM THE TMS OR CM2 SO THAT THE EXCESS FIBER CAN BE STORED ON SPOOLS ABOVE THE SM CONTROL CABINET, ABOVE THE MESSAGE SWITCH CABINET OR/AND IN THE CROSS AISLE TROUGH. WHEN FIBER IS INSTALLED IN A SINGLE MOD OFFICE, THE FIBER OPTICS IS RUN FROM THE MICU (THE MESSAGE SWITCH CABINET) SO THAT THE EXCESS FIBER CAN BE STORED ON SPOOLS ABOVE THE SM CONTROL CABINET OR/AND IN THE CROSS AISLE TROUGH. WHEN THE SINGLE FIBERS ARE INSTALLED IN THE RSM, THE EXCESS FIBER IS PLACED INSIDE THE SMC CABINET.
	X	7. THE FIBER IS TO BE DRESSED SMOOTHLY ACROSS THE BACK OF THE UNIT. ANY EXCESS SHALL BE FORMED IN A LOOP AT THE UPRIGHT. THE DUPLEX FIBER IS SUPPOSED TO BE STRIPPED BACK FROM THE CONNECTORS 22 TO 24 INCHES. IF THIS IS NOT THE CASE THE FIBERS SHOULD BE DRESSED AS NEATLY AS POSSIBLE.
		8. SEE FIGURE 8 AND 9 FOR APPLICATIONS OF DOUBLE SPOOLS AND SINGLE SPOOLS FOR STORAGE OF EXCESS LENGTH OF FIBER OPTIC LIGHTGUIDE CABLES. ------ CONTINUED TO THE LEFT ------

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5ESS SWITCHING EQUIPMENT
METHOD OF CABLING
FOR
FIBER OPTIC CABLES

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STOCKLIST

ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1010	1	2	843071846		ASSEMBLY, SINGLE SPOOL		X	
1020	2	1	843071820		ASSEMBLY, DOUBLE SPOOL		X	
1030	3	2	843071846		ASSEMBLY, SINGLE SPOOL		X	
1040	4	2	843071820		ASSEMBLY, DOUBLE SPOOL		X	
1050	5	2	843071846		ASSEMBLY, SINGLE SPOOL		X	
1060	6	1	843071820		ASSEMBLY, DOUBLE SPOOL		X	
1070	7	1	843071846		ASSEMBLY, SINGLE SPOOL		X	
1080	8	2	843071846		ASSEMBLY, SINGLE SPOOL		X	
1090	9	2	843071846		ASSEMBLY, SINGLE SPOOL		X	

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

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