

ENGINEERING NOTES

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

A SWITCH FABRIC WHEN VIEWED FROM THE FRONT.

ENGINEERING NOTES

51. RESERVED.

52. THIS DRAWING SHOWS TYPICAL INFORMATION FOR ENGINEERING, MANUFACTURING AND INSTALLATION ONLY. ALL ORDERING INFORMATION IS SHOWN ON ED1S002-10 (INTRACABINET CABLES) AND ED1S002-11 (INTERCABINET CABLES).

53. AI NET MAY BE EQUIPPED IN THE FOLLOWING SIZE CONFIGURATIONS, WITH THE CABINETS AS SPECIFIED BELOW FOR EACH:

SMALL - MODEL 125  
 C SCC  
 LUC  
 SFC  
 MCO  
 STARSERVER SC0,MSCO,MSC1

MEDIUM - MODEL 250  
 C SCC  
 C SCC  
 LUC  
 SFC  
 STARSERVER SC0,MSCO,MSC1

54. THIS DEPICTS ARTICULATED ARM AND HOW CABLE IS FED AROUND IT.

55. ED1S002-15 G37 CABLE USED FOR MODEL 125 ONLY.

56. ED1S002-15 G38, 39 AND G40 CABLES USED FOR MODEL 250 OR 500 ONLY.

57. ED1S002-15 G41 THRU G51, G63, G64 & G65 CABLES USED FOR MODEL 500 ONLY.

58. FUNCTIONS OF SPECIFIED ED1S002-20 CABLES:

G1 - SCU0 TO MOD JK PNL (MOD PLUG TO MOD PLUG)  
 G2 - SCU1 TO MOD JK PNL (MOD PLUG TO MOD PLUG)  
 G3 - SCU2 TO MOD JK PNL (MOD PLUG TO MOD PLUG)  
 G4 - SCU3 TO MOD JK PNL (MOD PLUG TO MOD PLUG)  
 G5 - SCU0 TO MOD JK PNL (2 MOD PLUG TO DB25 CONN CONF)  
 G5A - SCU0 TO MOD JK PNL (2 MOD PLUG TO DB25 - X DIM)  
 G5B - SCU0 TO MOD JK PNL ASR  
 G6 - SCU1 TO MOD JK PNL (2 MOD PLUG TO DB25 CONN) TTS  
 G6B - SCU1 TO MOD JK PNL ASR  
 G7 - SCU2 TO MOD JK PNL (2 MOD PLUG TO DB25 CONN) TTS  
 G7B - SCU2 TO MOD JK PNL ASR  
 G5 - G8 = TTS  
 G29 - G12 = FAX, 2 MOD PLUG  
 G33 - G36 = FAX, 4 MOD PLUG

-----  
 TERMINATION LOCATIONS FOR THESE GROUPS ON EACH SHELF AND AT THE T/R PANEL ARE JOB ASSIGNED.  
 -----  
 FOR "X" DIMENSION EQUIVALENT CABLES FOR G1 THRU G12 AND G29 THRU G36, AN "A" SUFFIX WILL BE ADDED TO EACH GROUP.

59. ED1S002-12, G4 AND G5 CABLES EQUIPPED FOR MODELS 250 AND 500 ONLY. FOR MODEL 125, UNIT WILL BE EQUIPPED WITH TERMINATORS WHERE G4 AND G5 CABLES ORIGINATE IN SFCO.

60. ED1S002-12, G6 CABLES EQUIPPED FOR MODEL 500 ONLY. FOR MODEL 250, UNIT WILL BE EQUIPPED WITH TERMINATORS WHERE G6 CABLES ORIGINATE IN C SCC1.

61. C SCC(L) REFERS TO THE C SCC CABINET AT THE LEFT OF THE LUC IN A SWITCH FABRIC WHEN VIEWED FROM THE FRONT (EQUIPMENT AISLE). C SCC(R) REFERS TO THE C SCC CABINET AT THE RIGHT OF THE LUC IN  
 ----- CONTINUED TO THE LEFT -----

ISSUE NOTES

ORIG ISS: 03/24/92 CHANGE CLASS: NEW

DRAFT: JJK	ENGR: JJK	SUPV:	CERTIFIED: 03/24/92	ISSUE: 1
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ENG NOTE 52 MODIFIED "MCO" READ "MISC PWR"; NOTE 57 REF TO G65 ADDED; IN PICTORALS G9, 10 & 20 RATING CHGD AS SHOWN AND CERTAIN GROUP DESCRIPTIONS EXPANDED.

ORIG ISS: 03/24/92 CHANGE CLASS: ME

DRAFT: HZP	ENGR: JJK	SUPV:	CERTIFIED: 06/11/92	ISSUE: 2
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SHEETS B11 THRU B17 CLARIFICATIONS TO GRAPHICS ADDED.

ORIG ISS: 03/24/92 CHANGE CLASS: MF

DRAFT: JJK	ENGR: JJK	SUPV:	CERTIFIED: 07/30/92	ISSUE: 3
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SK.A & B ADDED FOR CLARIFICATION OF CABLE DRESSING; SK.C ADDED FOR GLOBAL CABINET; DWG UPDATED TO REPRESENT ALL GROUPS. ENG NOTE 58 EXPANDED.

ORIG ISS: 03/24/92 CHANGE CLASS: ME

DRAFT: HZP	ENGR: HZP	SUPV:	CERTIFIED: 08/24/94	ISSUE: 4
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IN FIG.2A GROUPS 70, 75, 101, 632, 633, 637; IN FIG.3 GROUPS 34-40, 93-114; IN FIG.5 GROUPS 115-120, IN FIG.6 GROUPS 121-128 ADDED. IN ENG NOTE 53 REFERENCE TO LARGE-MODEL 500 REMOVED. IN FIG.7, 8, 10-18, AND IN FIG.10A REFERENCE TO CABINET NUMBERS REMOVED.

FIG.19 THRU 21 ADDED FOR REL.6.

ORIG ISS: 03/24/92 CHANGE CLASS: B

DRAFT: WJD	ENGR: HZP	SUPV:	CERTIFIED: 08/30/95	ISSUE: 5
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SHEET INDEX											
SHT NBR	A1 THRU A1 ISSUE 5										
ISSUE											
SHT NBR	D1 THRU D1 ISSUE 5										
ISSUE											
SHT NBR	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11
ISSUE	4	4	4	5	5	4	5	5	5	5	4
SHT NBR	B12	B13	B14	B15	B16	B17	B18	B19	B20	B21	B22
ISSUE	5	5	5	5	5	5	5	5	5	5	5
SHT NBR	B23										
ISSUE	5										
SHT NBR											
ISSUE											
SHT NBR											
ISSUE											
SHT NBR											
ISSUE											
SHT NBR											
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ISSUE											
SHT NBR											
ISSUE											
SHT NBR											
ISSUE											

TABLE D-LIST OF ASSOCIATED REFERENCES	
NUMBER	TITLE
=ED1S002-11	INTERCABINET CABLE ORDERING SPECIFICATION FOR AIN
=ED1S002-10	INTRACABINET CABLE ORDERING SPECIFICATION FOR AIN
=ED1S002-13	<del>BY INSTALLER</del>

AT&T - PROPRIETARY  
 USE PURSUANT TO COMPANY INSTRUCTIONS

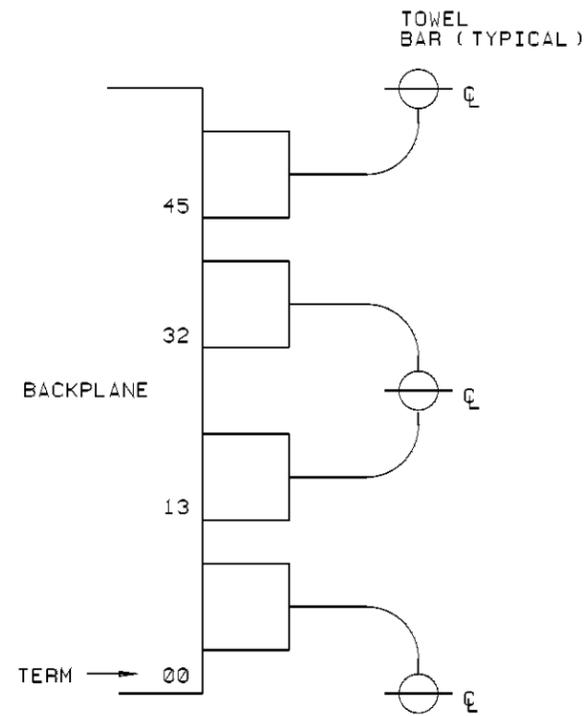
RT13

ADVANCED INTELLIGENCE NETWORK  
 METHOD OF CABLING  
 FOR  
 INTRA/INTER CABINET CABLES

DWG SIZE C2	ISSUE 5
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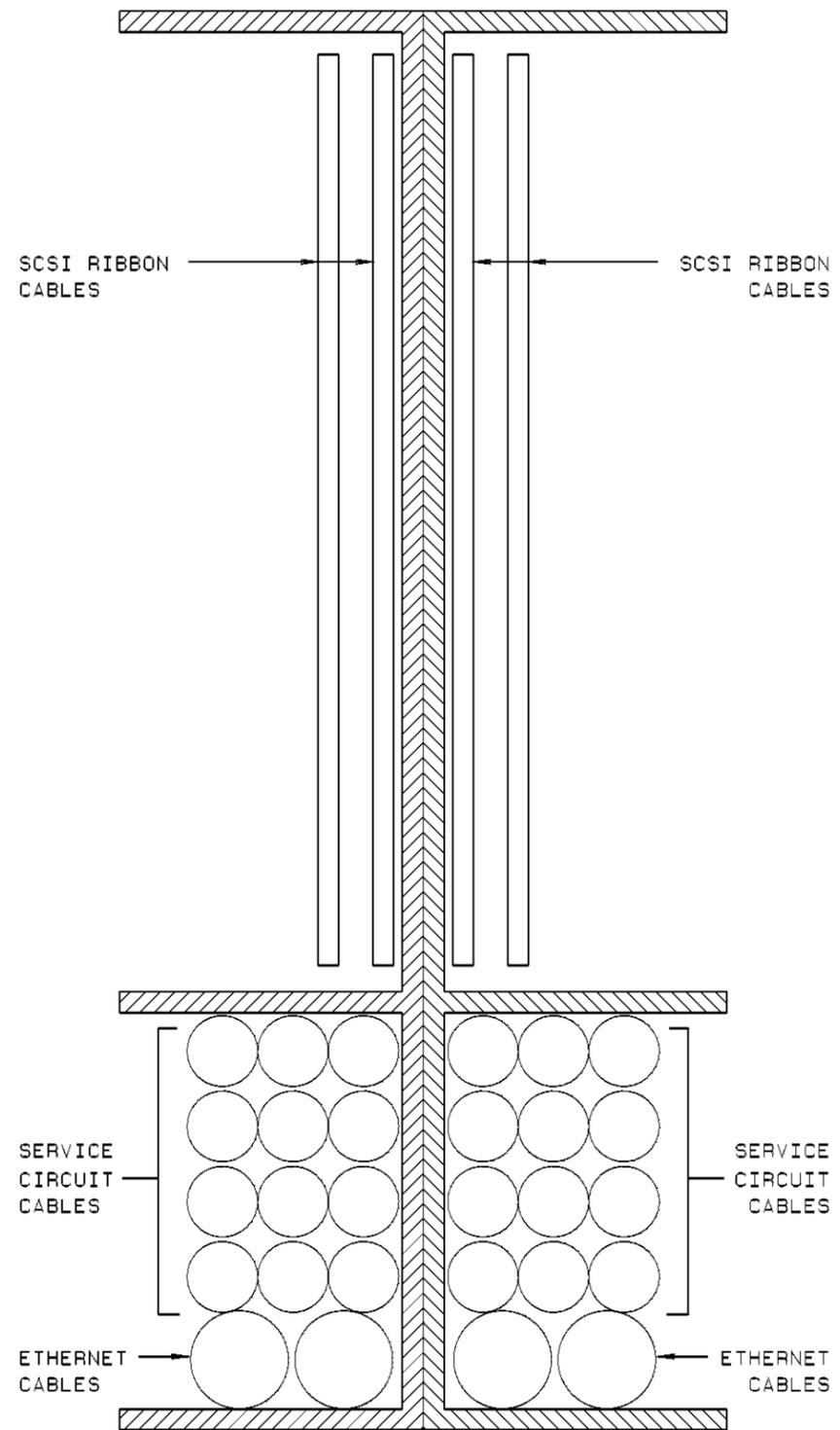
AT&T ED1S002-13 SHEET A1 OF 25

ED1S002-13



TYPICAL METHOD OF DRESSING CABLES  
BASED ON EOL

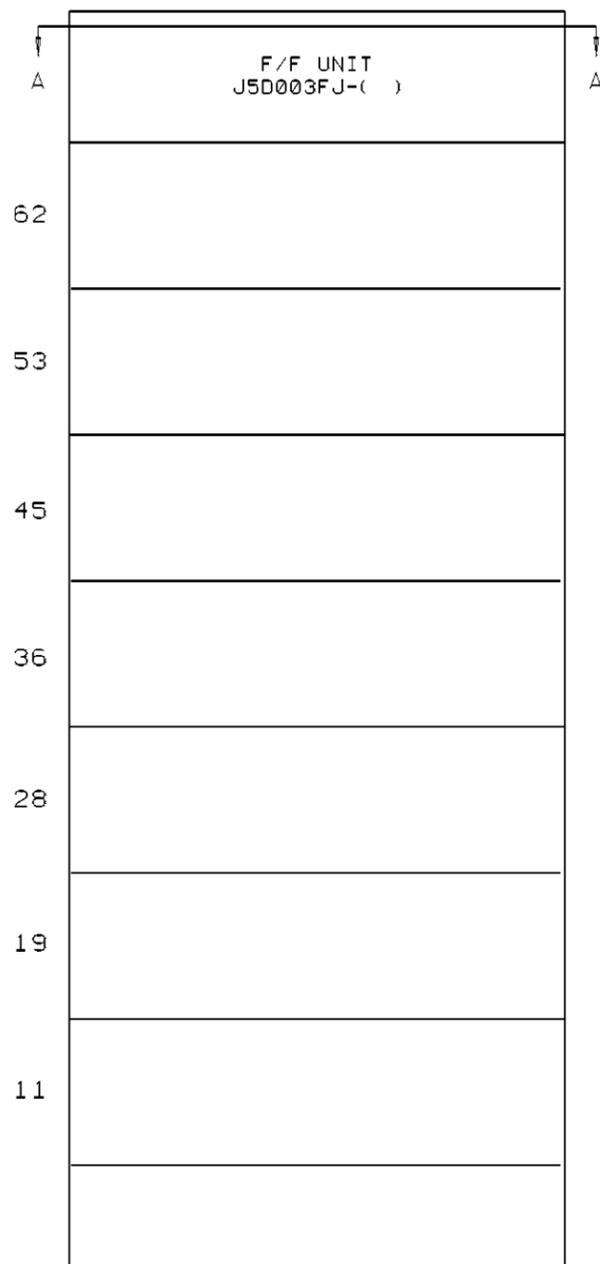
SK. A



CROSS SECTION VIEW OF CABLE ARMS  
WITH CABLES INSTALLED

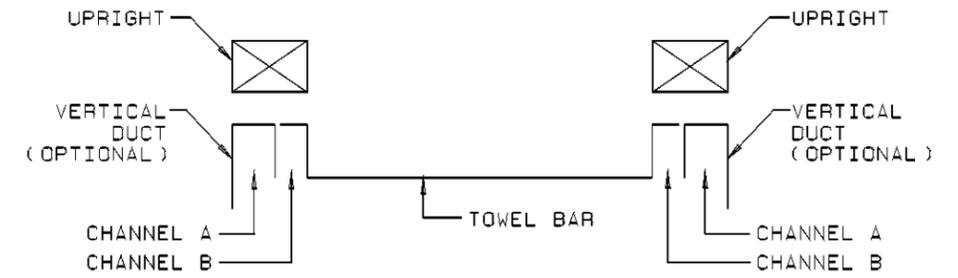
SK. B

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SERVICE CIRCUIT NODE	DWG SIZE	ISSUE
	C2	4
AT&T	ED1S002-13	SHEET B1



LTP( ) TYPICAL  
REAR VIEW  
5ESS-2000 CAB (PHASE 1)

FIG. 1

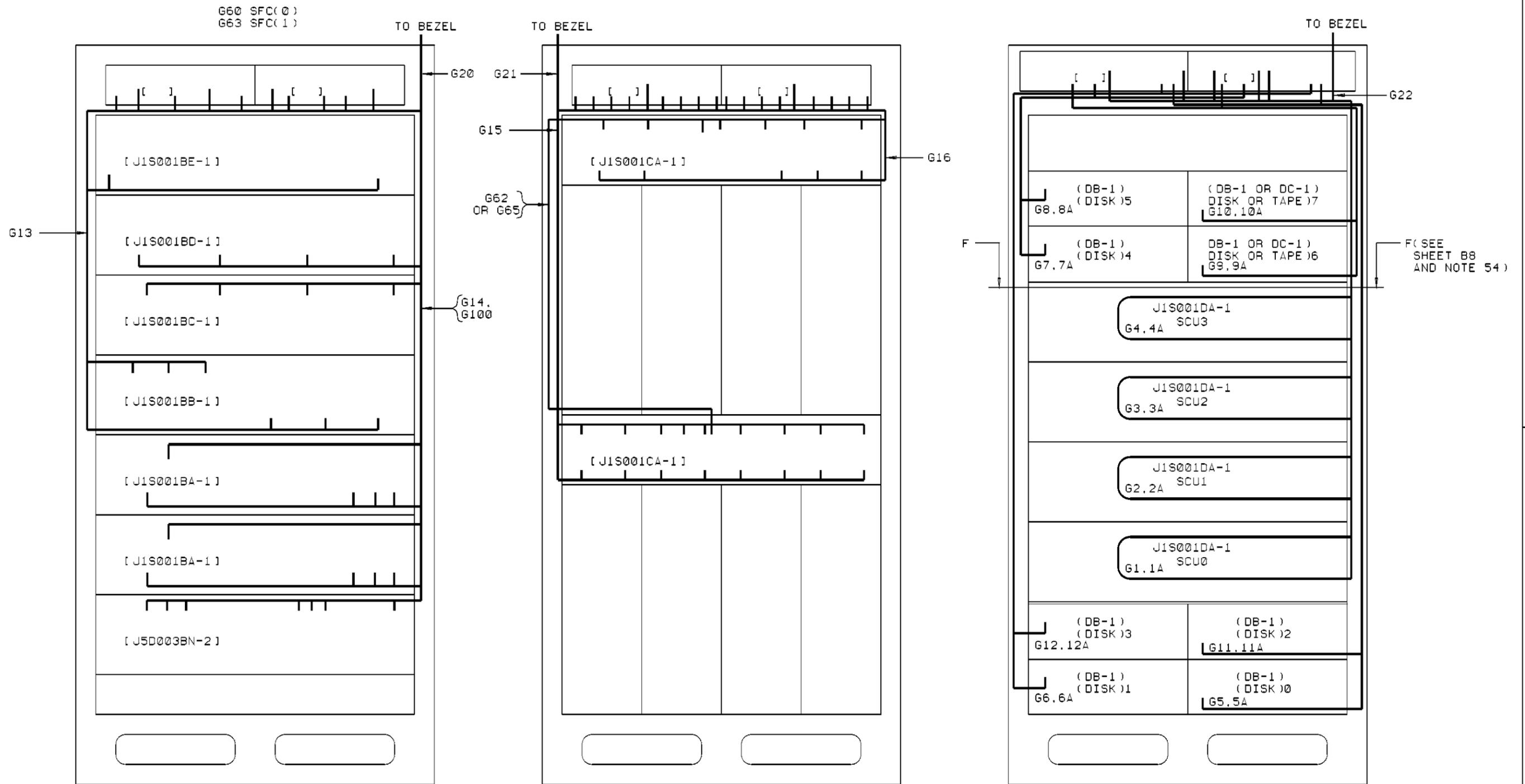


REAR OF CAB  
VIEW AA

DRESS ALL CABLES  
IN CHANNEL B (VIEW AA),  
ONLY PICB AND PIOB CABLES  
IN CHANNEL A (VIEW AA).

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SERVICE CIRCUIT NODE	DWG SIZE	ISSUE
	C2	4
AT&T	ED1S002-13	SHEET B2

FIG. 2  
POWER AND ALARMS  
ED1S002-15



J1S001B-1

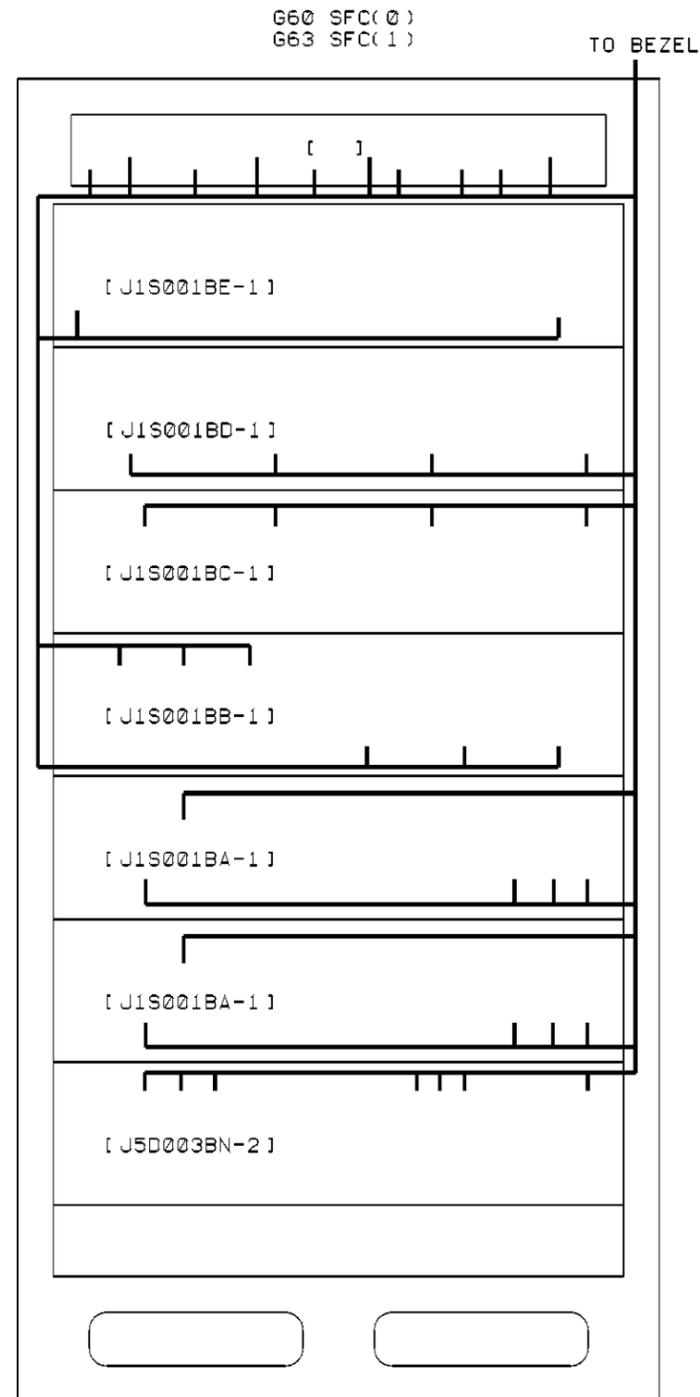
J1S001C-1

J1S001D-1

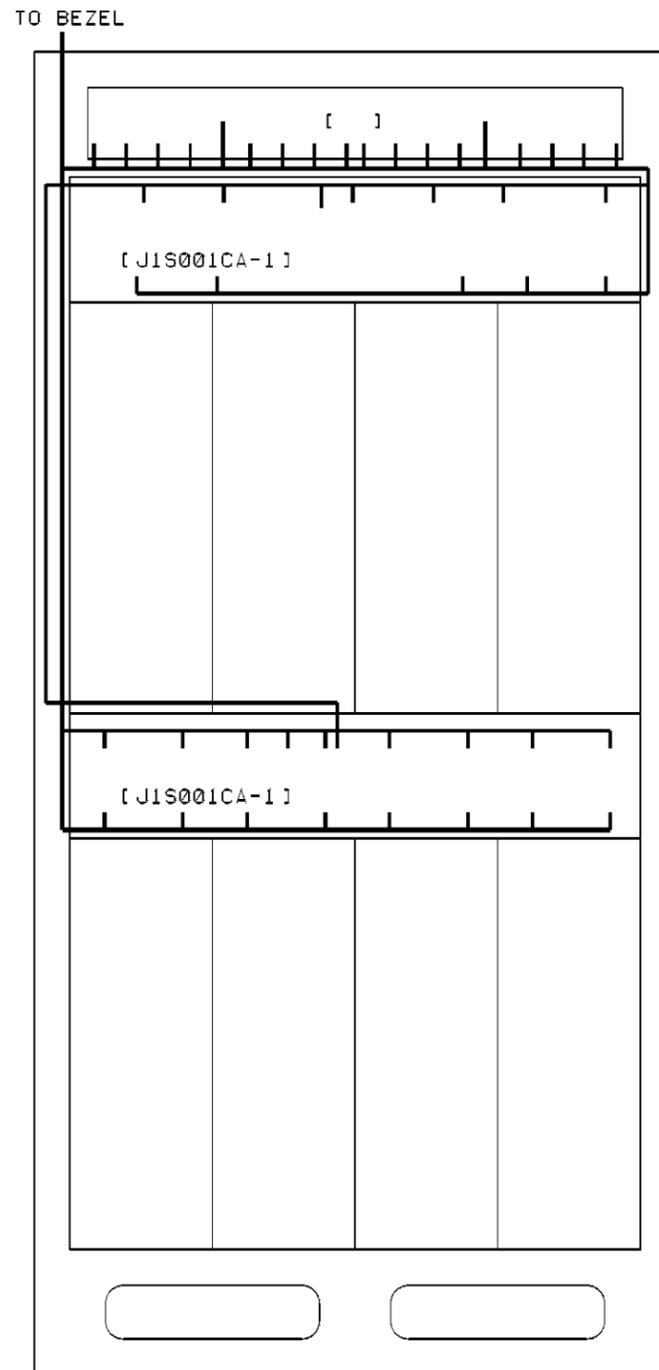
REAR VIEW

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SERVICE CIRCUIT NODE	DWG SIZE C2	ISSUE 4
AT&T	ED1S002-13	SHEET B3

FIG. 2A  
POWER AND ALARMS FOR MFFU  
ED1S002-15

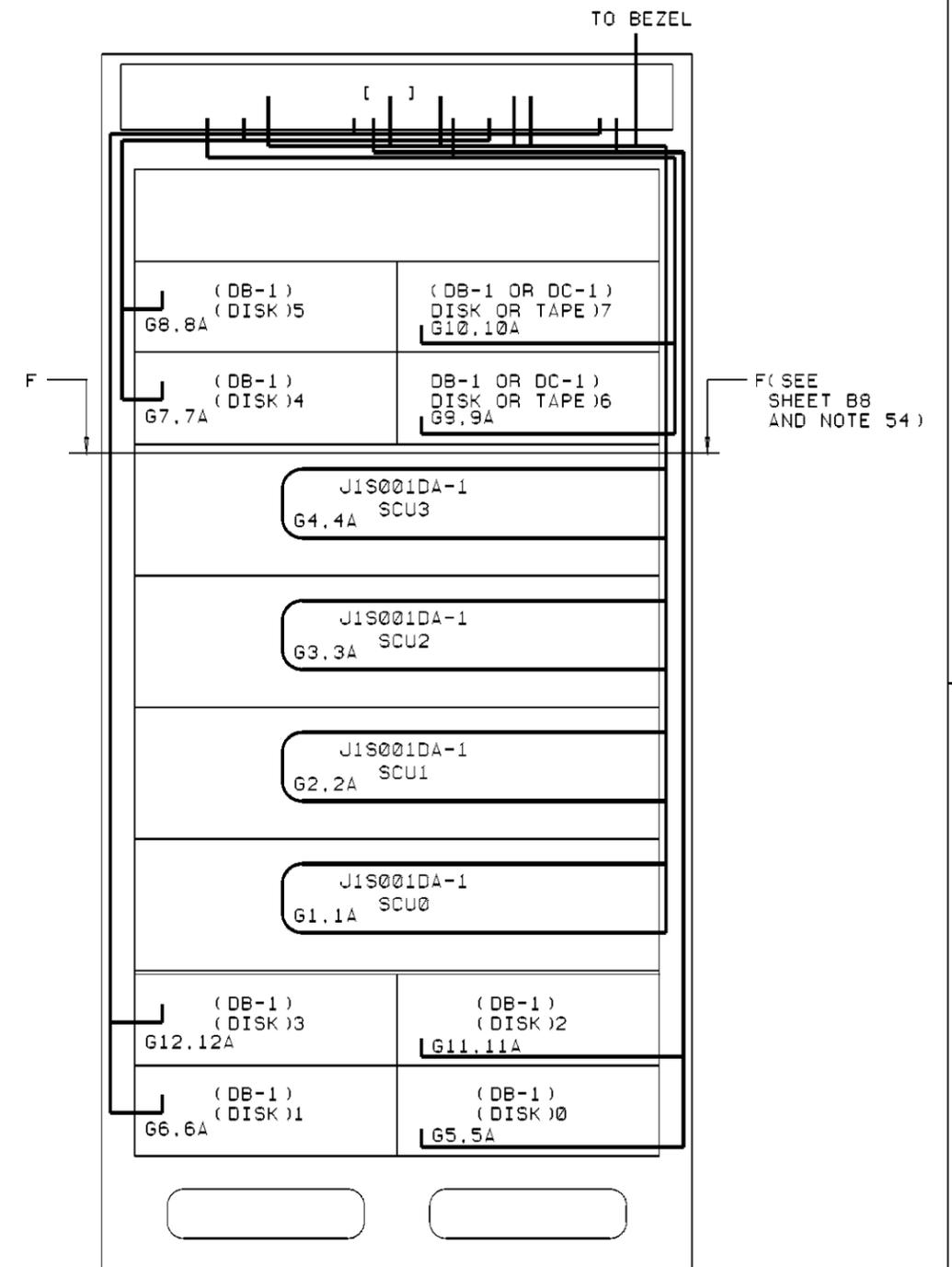


J1S001B-1  
ED5D693-15  
GROUPS 20, 22, 70, 75, 101, 134, 136,  
515, 633, 635, 637 & 639



J1S001C-1  
ED5D693-15  
GROUPS 43, 630, 631 & 632

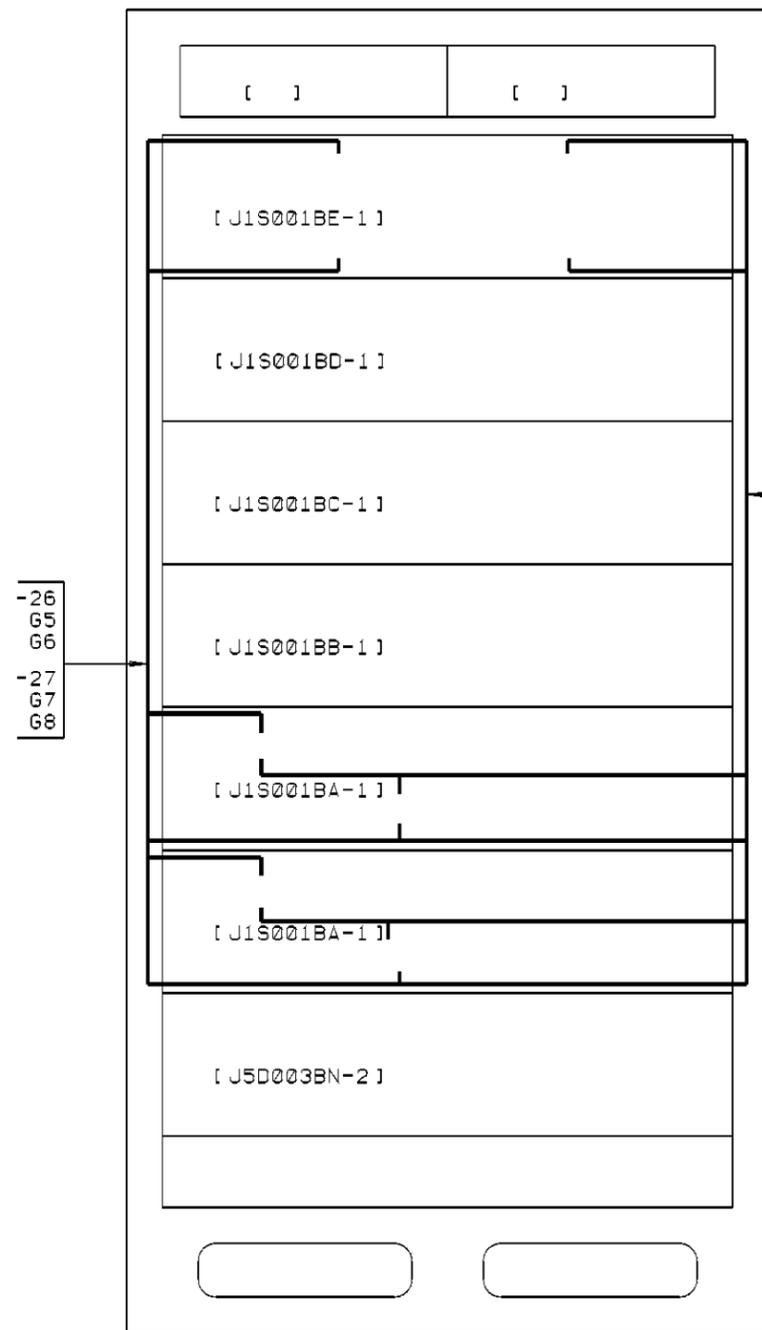
REAR VIEW



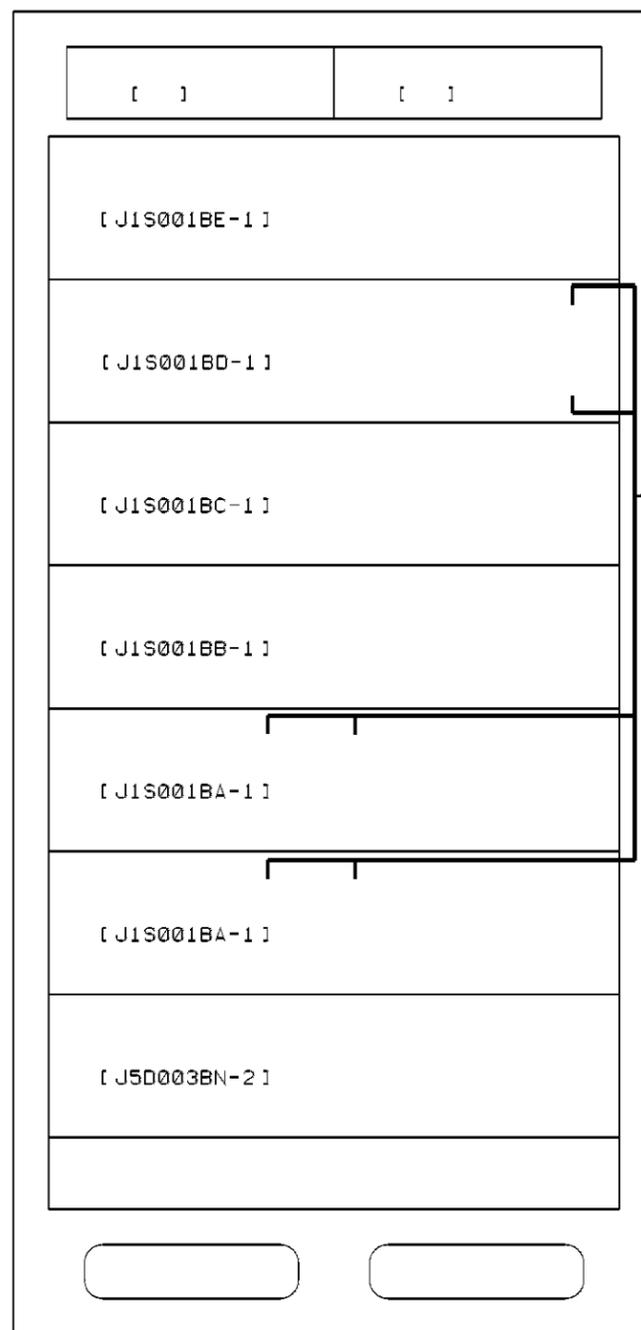
J1S001D-1  
ED1S002-15  
GROUPS 1A THRU 12A  
& 30A

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SERVICE CIRCUIT NODE	DWG SIZE	ISSUE
	C2	5
AT&T	ED1S002-13	SHEET B4

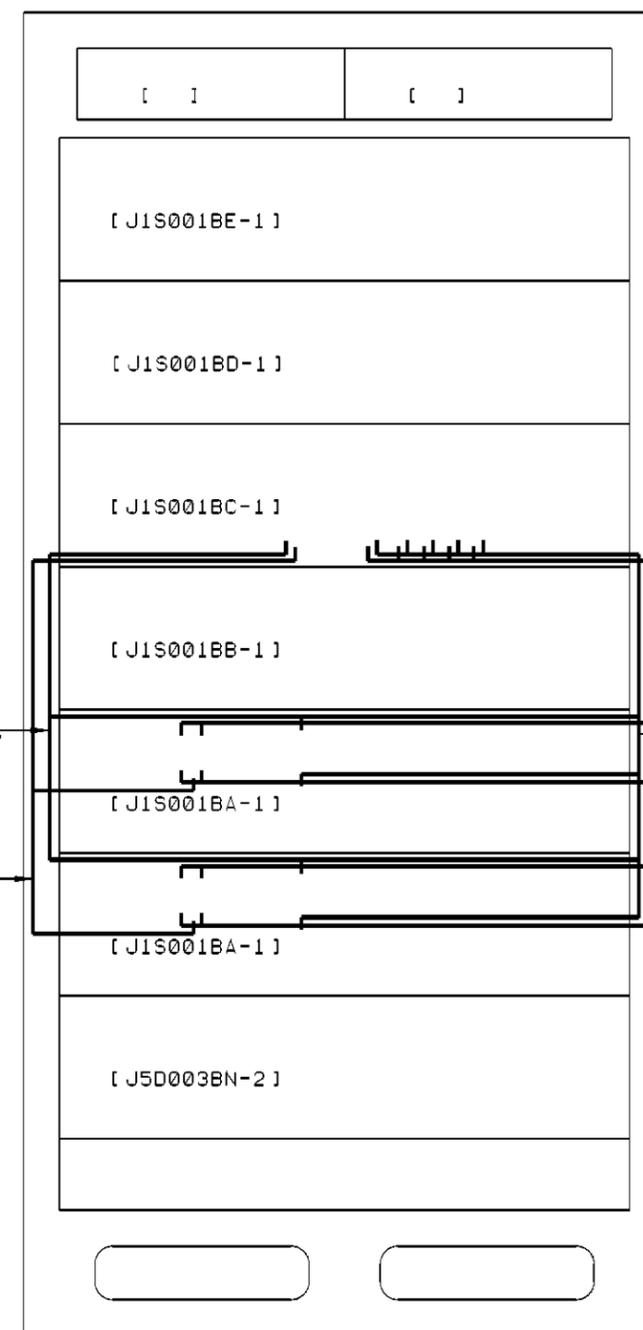
FIG. 3  
 PICB & PIDB  
 ED1S002-26, -27



J1S001B-1  
 MCTU2 - GDSU



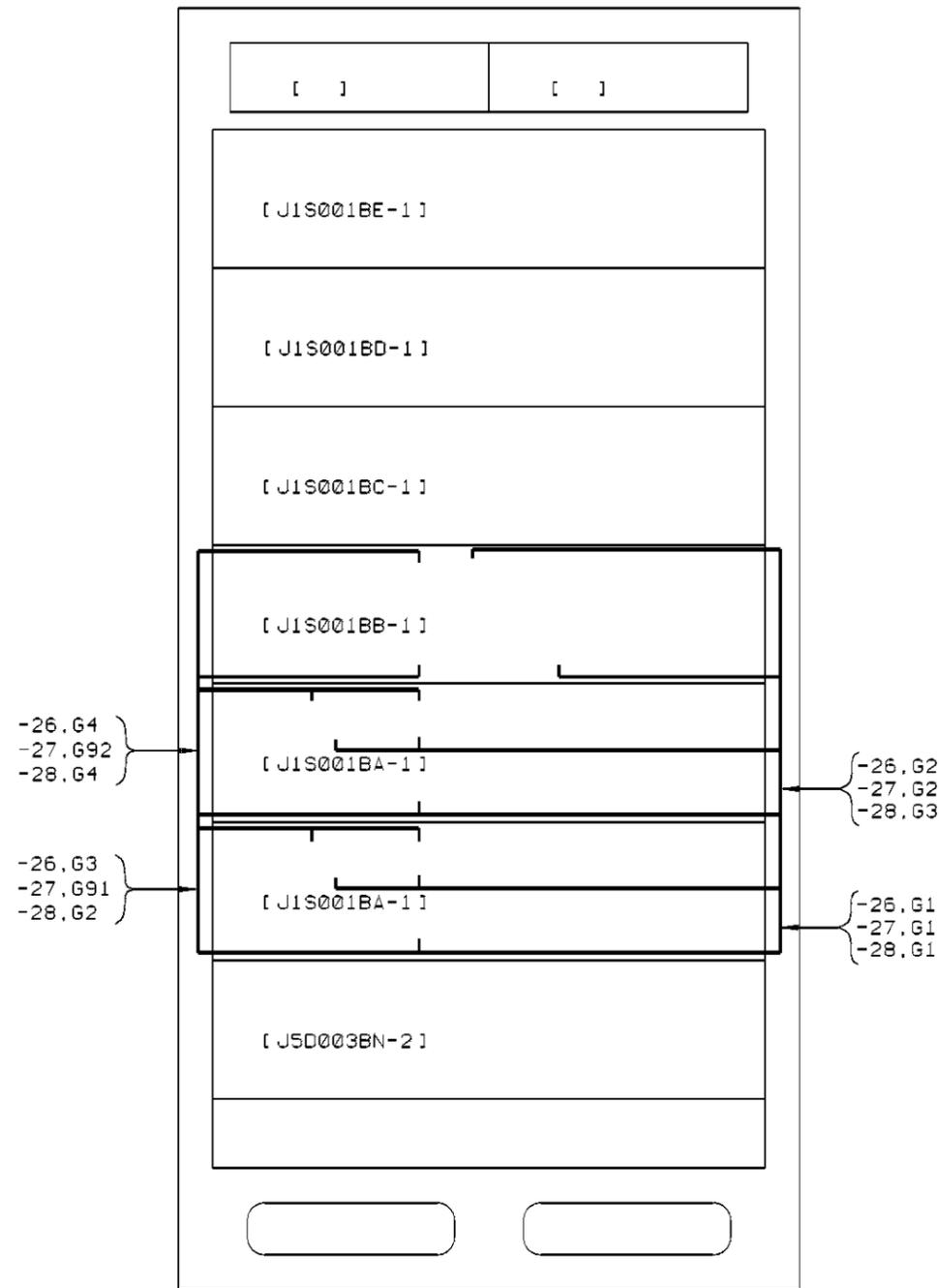
J1S001B-1  
 MCTU2 - DSU2  
 REAR VIEW



J1S001B-1  
 MCTU2 - DLTU2

FIG. 3A

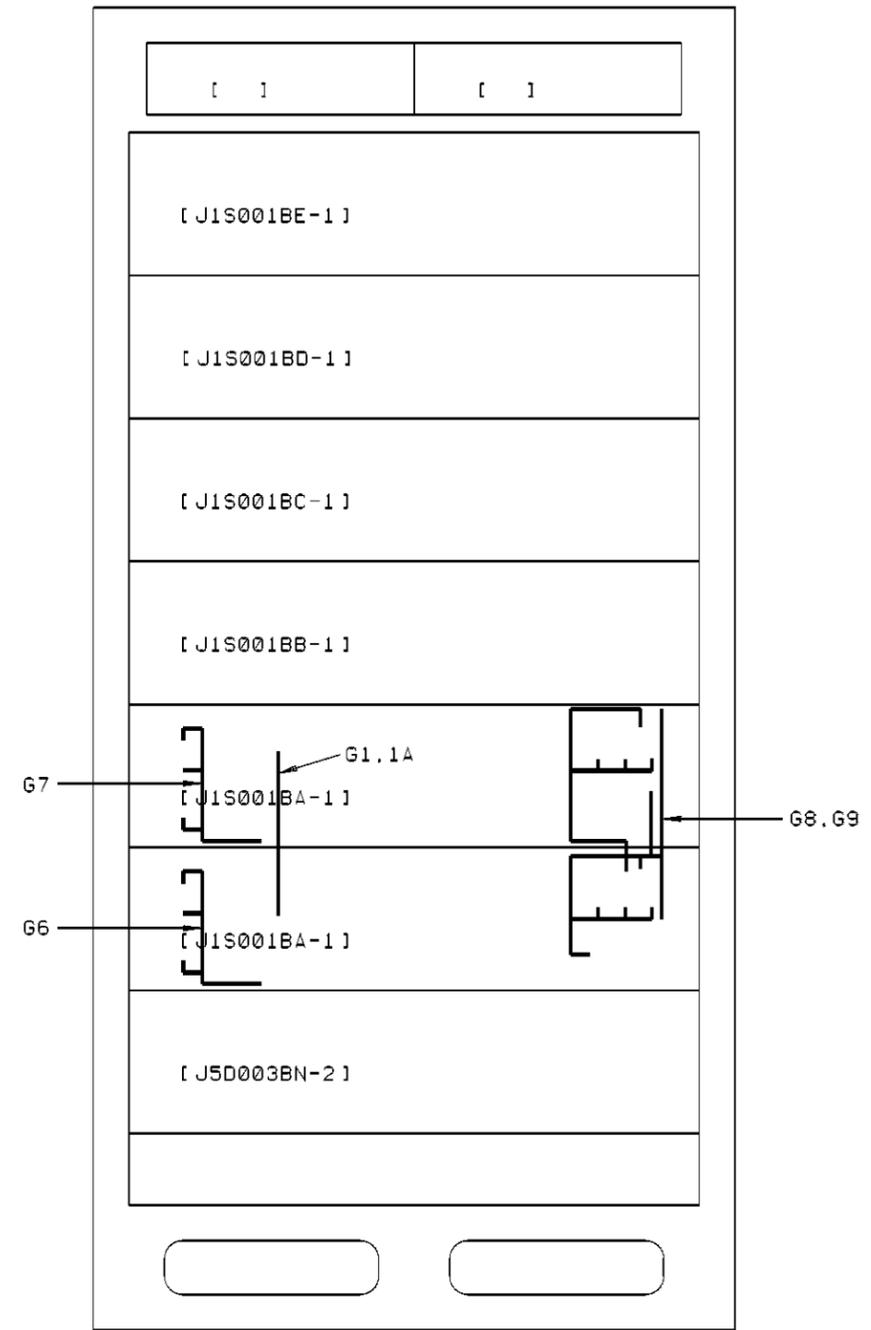
PICB, PIDB & PB  
ED1S002-26, -27 & -28



J1S001B-1  
MCTU-PSU

FIG. 4

MATE, CPI, DLI, CSC & EIB  
ED1S002-17



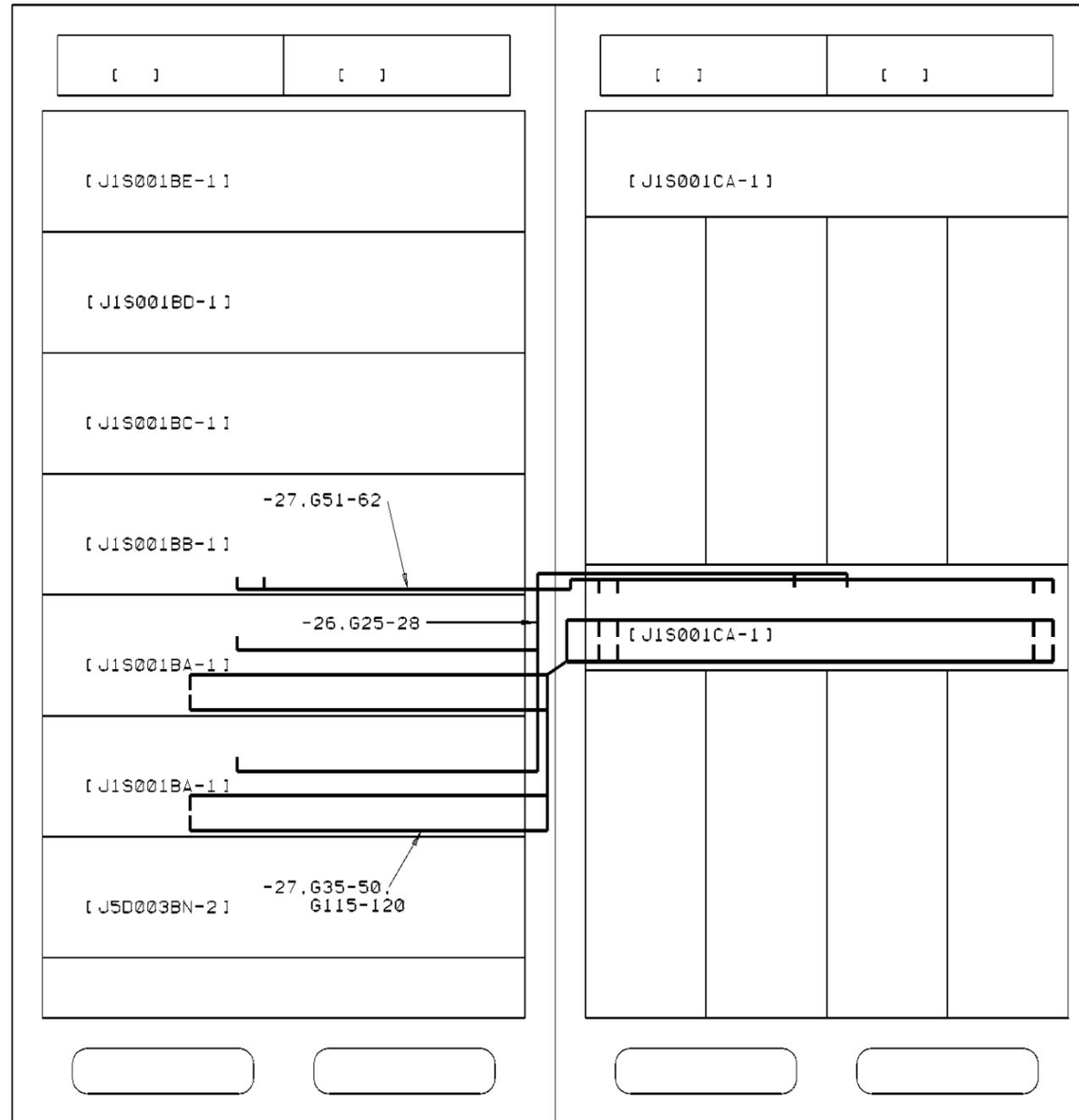
J1S001B-1

REAR VIEW

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SERVICE CIRCUIT NODE	DWG SIZE	ISSUE
	C2	4
AT&T	ED1S002-13	SHEET B6

FIG. 5

PICB, PIDB, DPIDB ISLUO TO MCTU2  
ED1S002-26 & -27



J1S001B-1

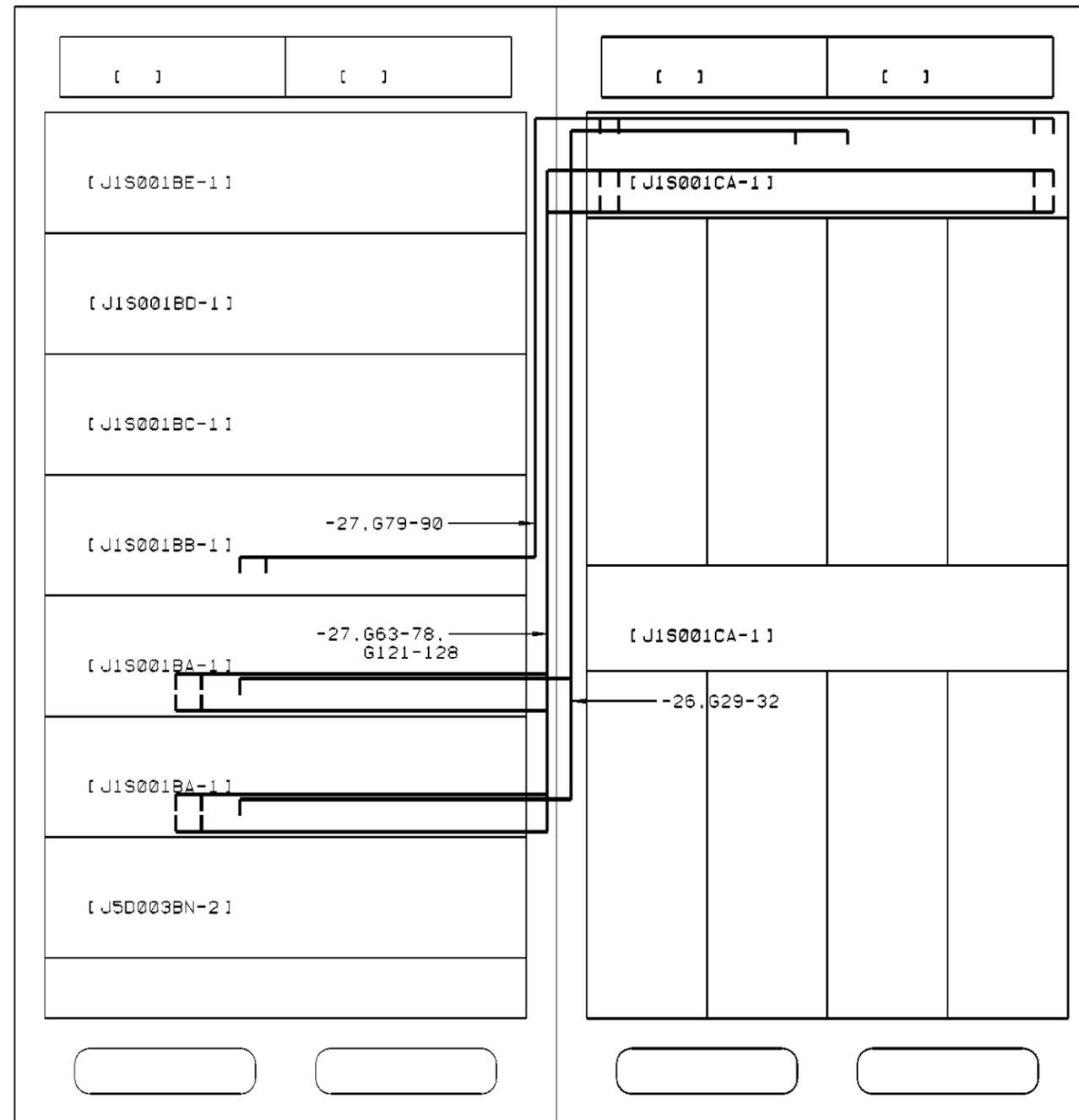
J1S001C-1

REAR VIEW

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SERVICE CIRCUIT NODE	DWG SIZE	ISSUE
	C2	5
AT&T	ED1S002-13	SHEET B7

FIG. 6

PICB, PIDB, DPIDB ISLU1 TO MCTU2  
ED1S002-26 & -27



J1S001B-1

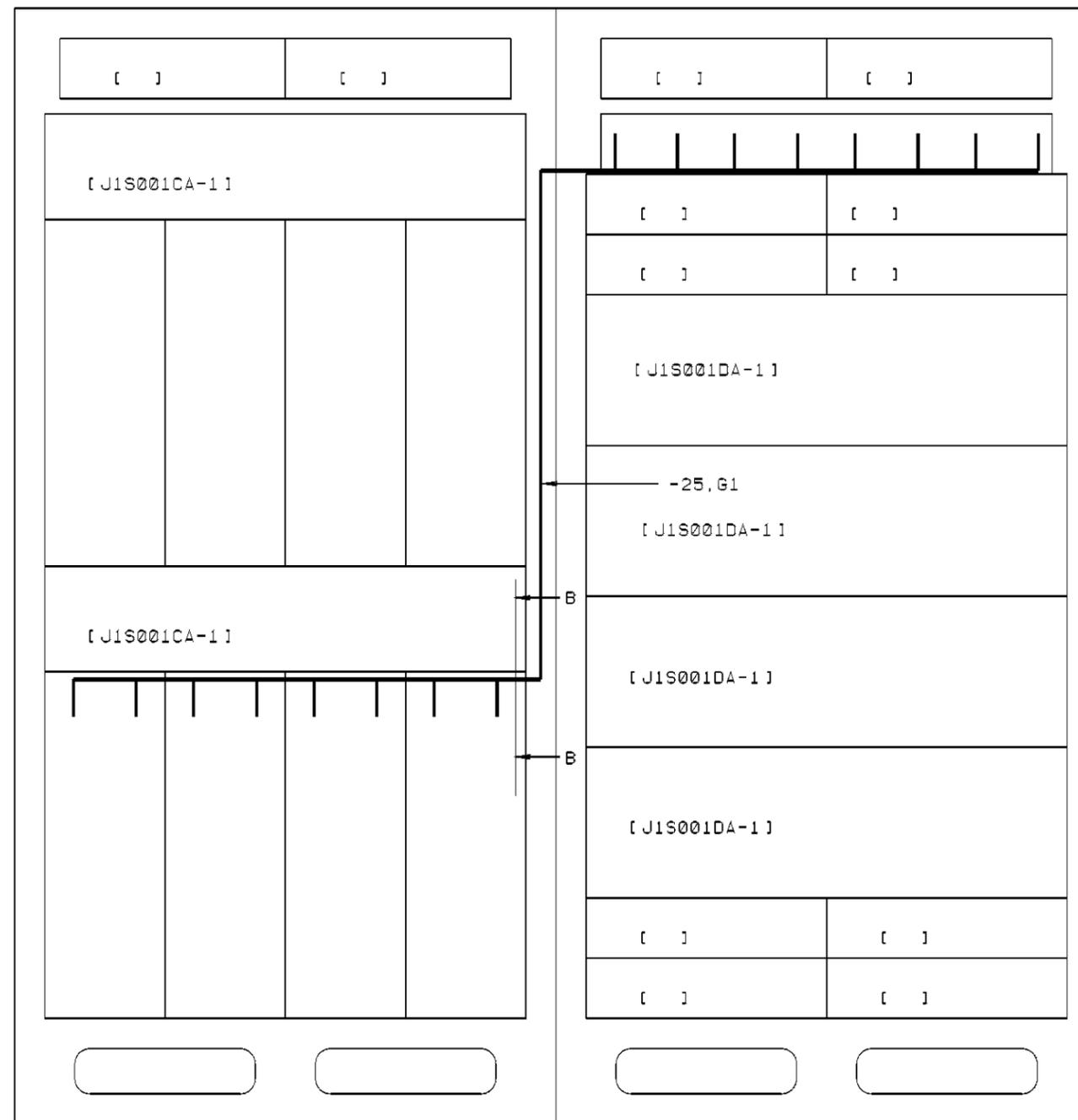
J1S001C-1

REAR VIEW

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SERVICE CIRCUIT NODE	DWG SIZE	ISSUE
	C2	5
AT&T	ED1S002-13	SHEET 88

FIG. 7

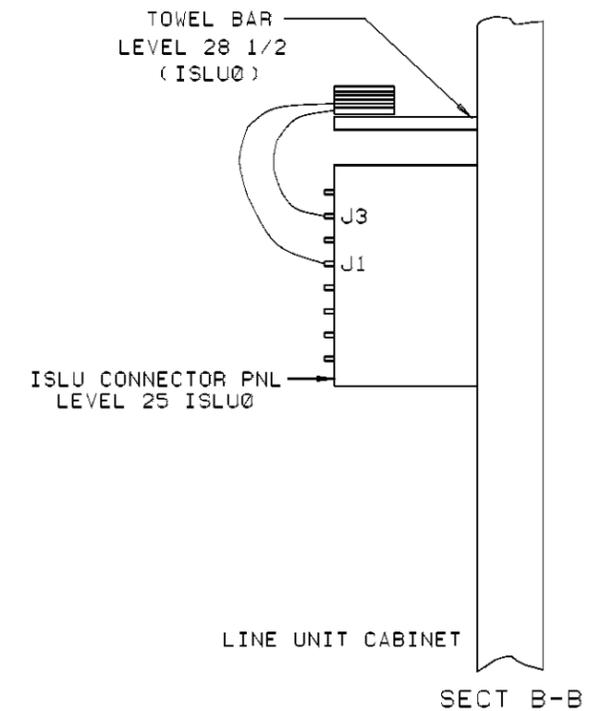
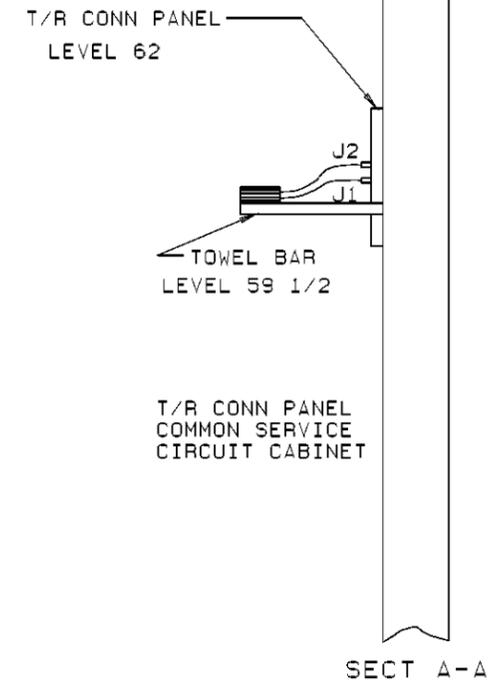
RIBBON T/R CABLES ISLU0 TO CSCC  
ED1S002-25



J1S001C-1

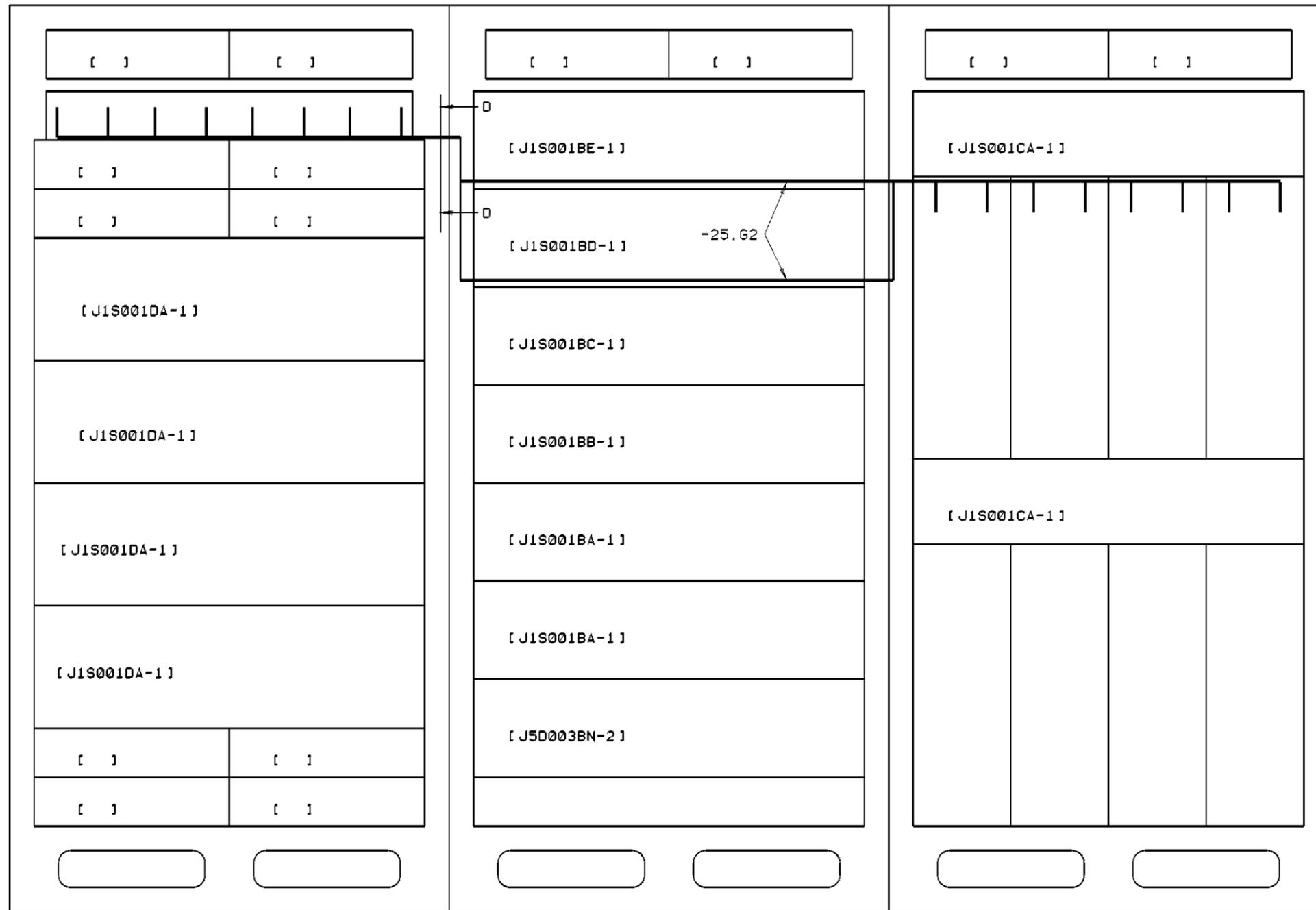
J1S001D-1

REAR VIEW



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SERVICE CIRCUIT NODE	DWG SIZE	ISSUE
	C2	5
AT&T	ED1S002-13	SHEET 89

FIG. 8  
 RIBBON T/R CABLES ISLU1 TO CSCC  
 ED1S002-25



J1S001D-1

J1S001B-1

J1S001C-1

REAR VIEW

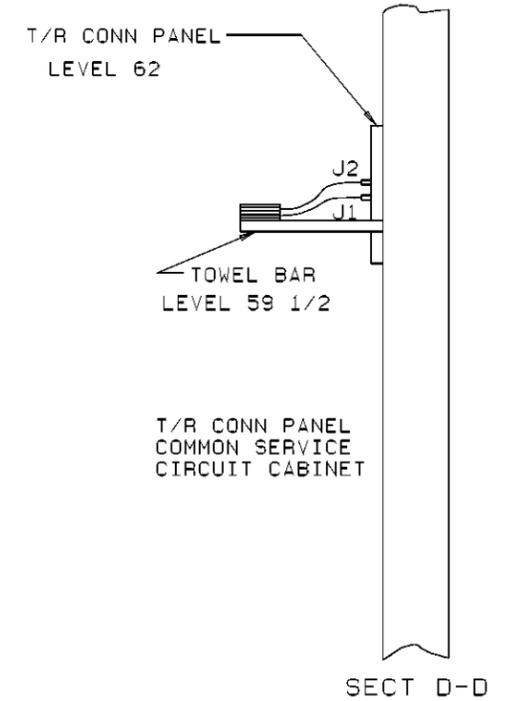
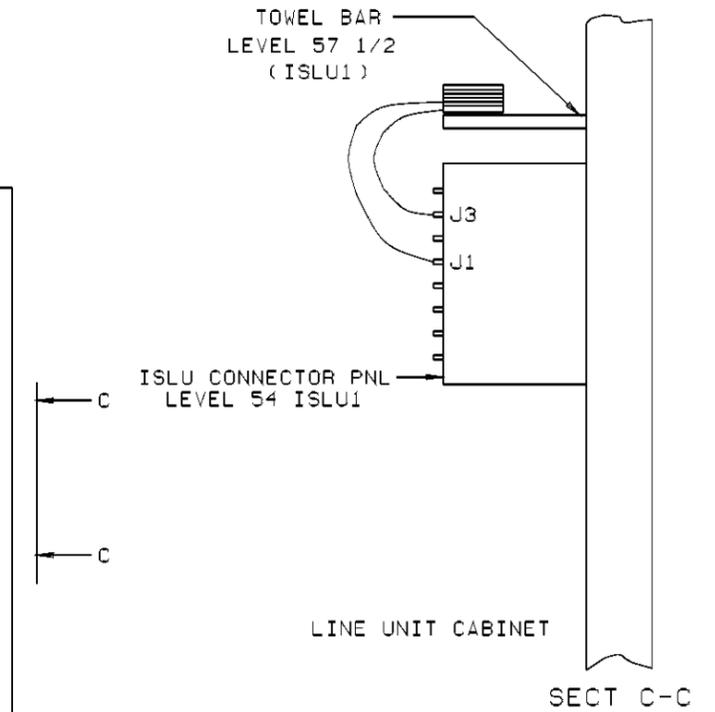
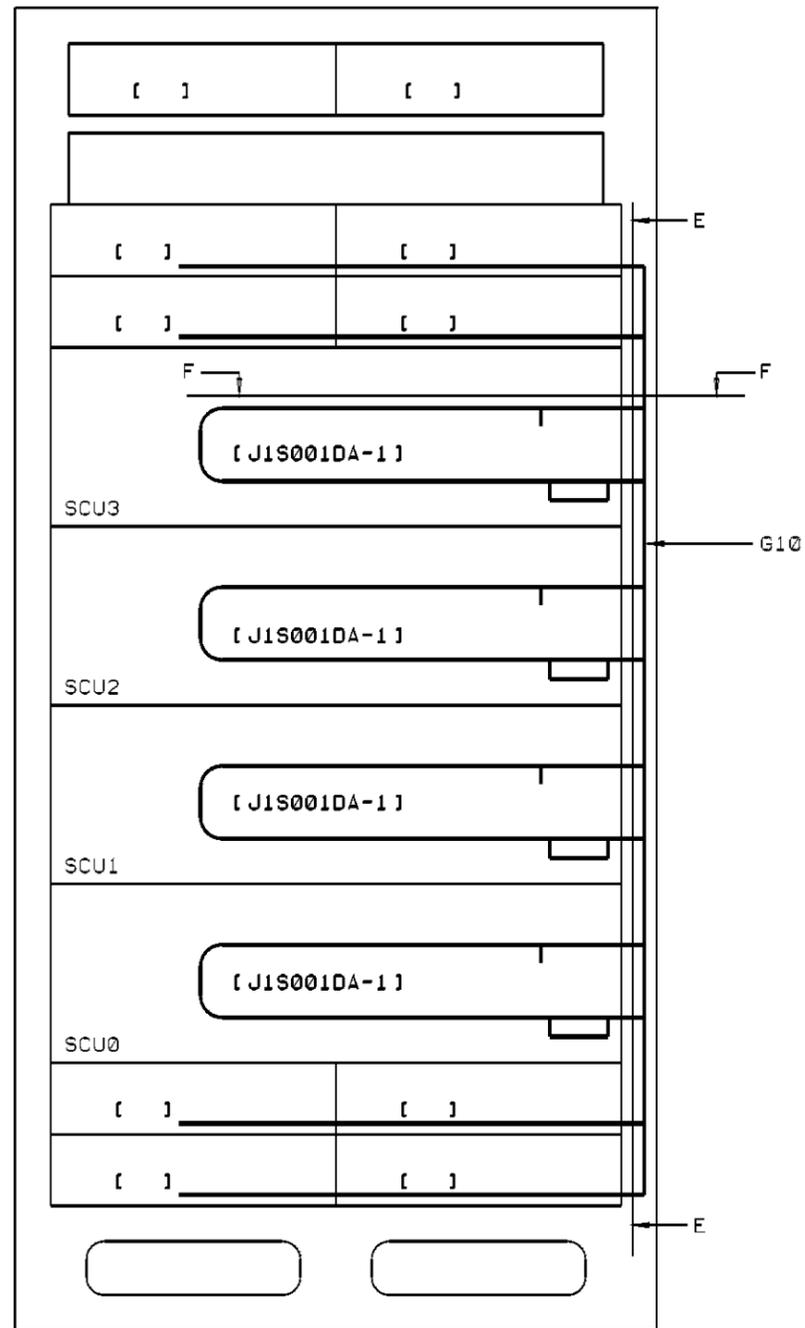


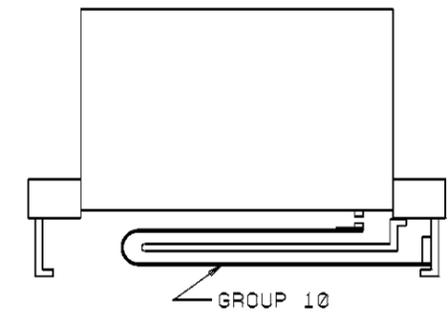
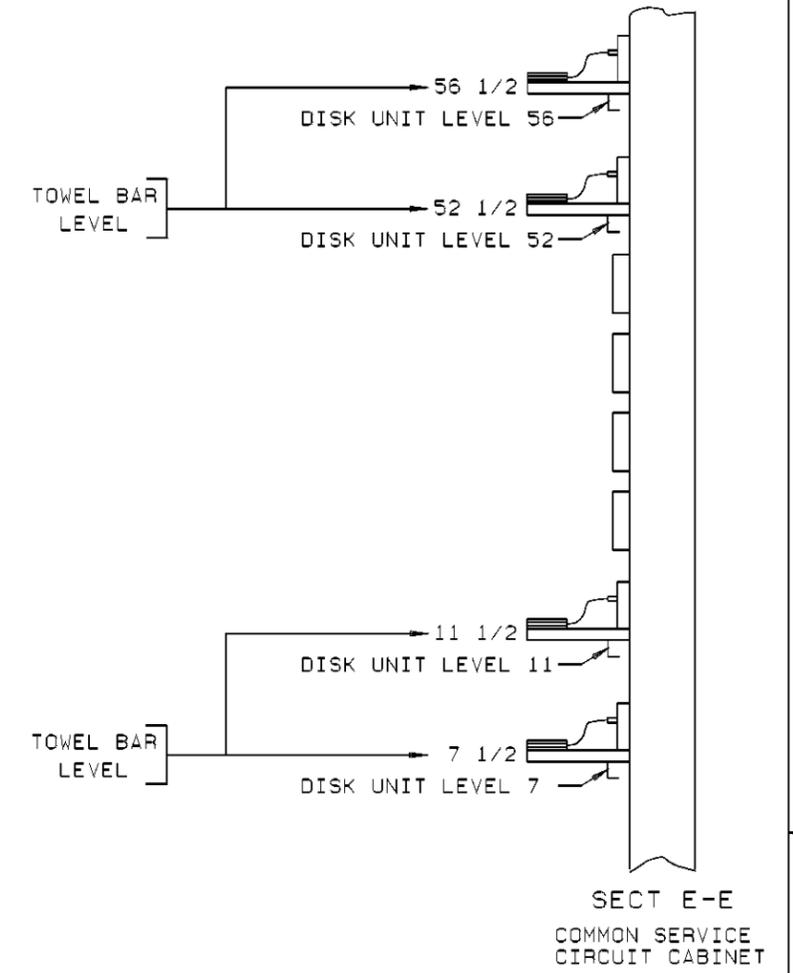
FIG. 9

ED1S002-25  
RIBBON SCSI BUS 0 & 1



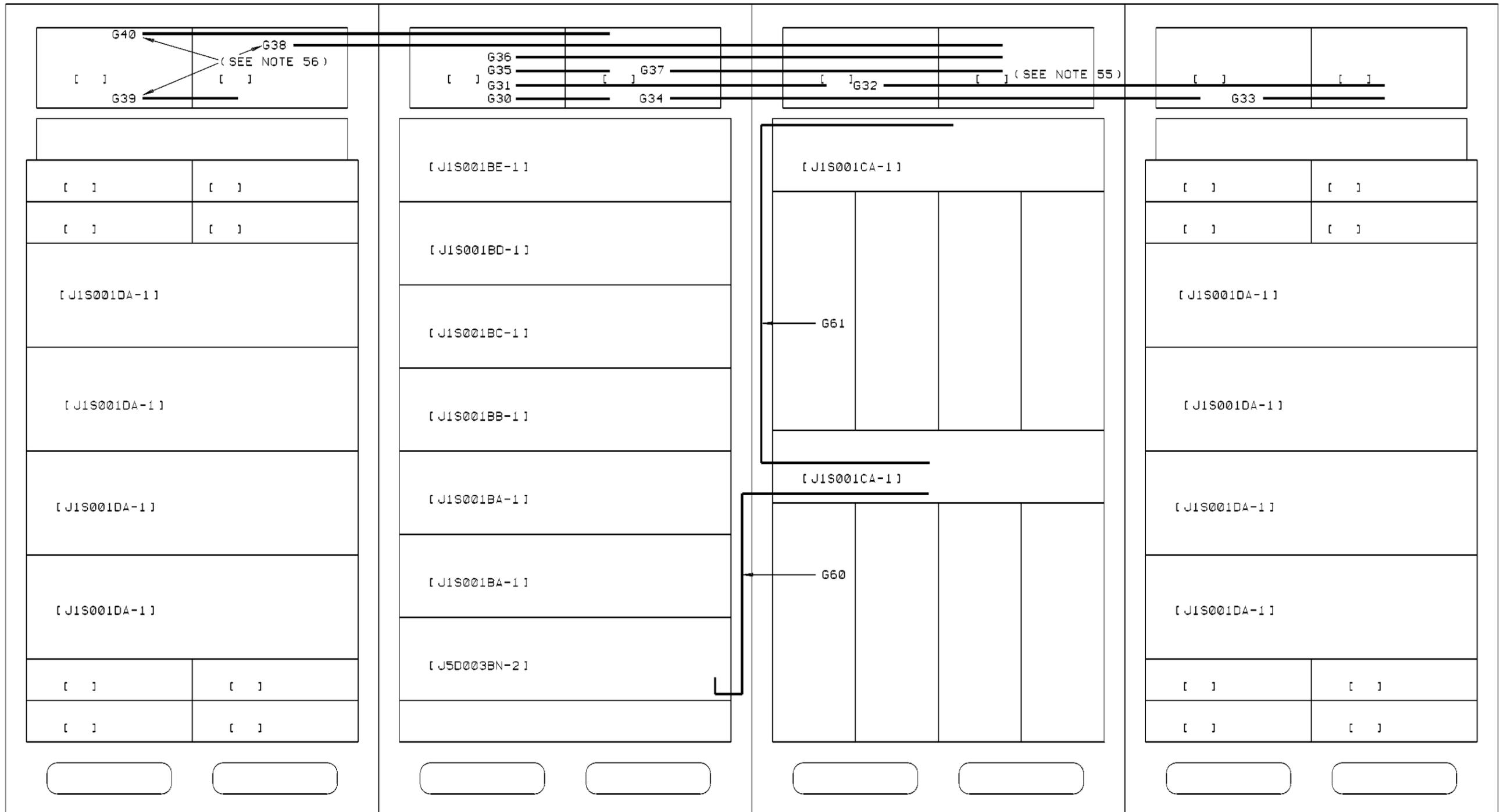
J1S001D-1

REAR VIEW



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SERVICE CIRCUIT NODE	DWG SIZE	ISSUE
	C2	4
AT&T	ED1S002-13	SHEET B11

FIG. 10  
 FAN & PWR MULTS (MODEL 125 OR 250)  
 ED1S002-15



J1S001D-1  
 CSCC ( RIGHT )

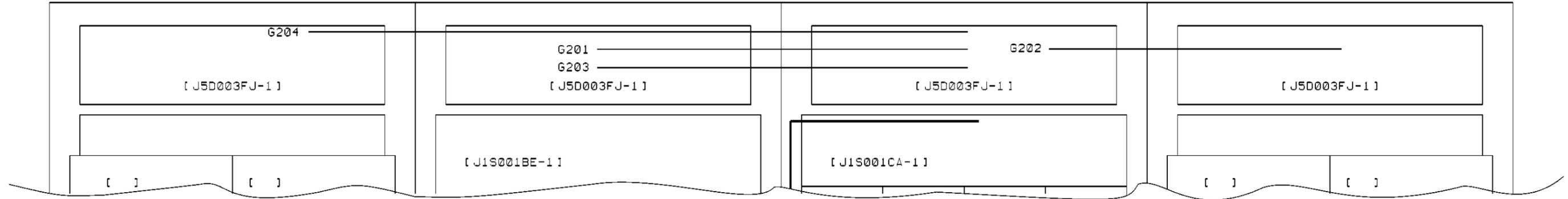
J1S001B-1  
 SFC

J1S001C-1  
 LUC

J1S001D-1  
 CSCC ( LEFT )

REAR VIEW

FIG. 10A  
 FAN & PWR MULTS (MODEL 125 OR 250) WITH MOD FUSE FILTER UNIT  
 ED1S002-15  
 (SEE NOTE 57)



J1S001D-1  
 CSCC(RIGHT)

J1S001B-1  
 SFC

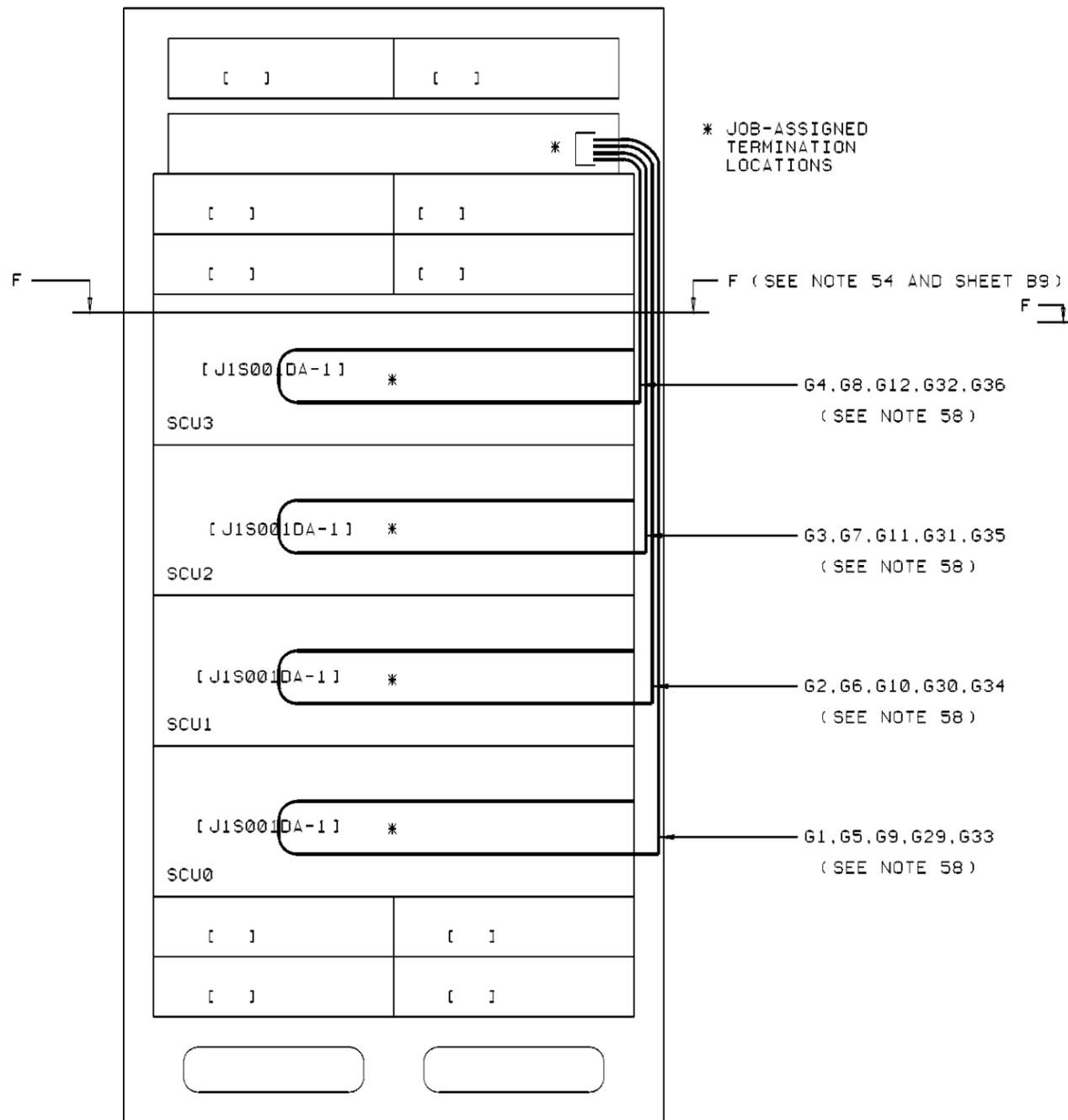
J1S001C-1  
 LUC

J1S001D-1  
 CSCC(LEFT)

REAR VIEW

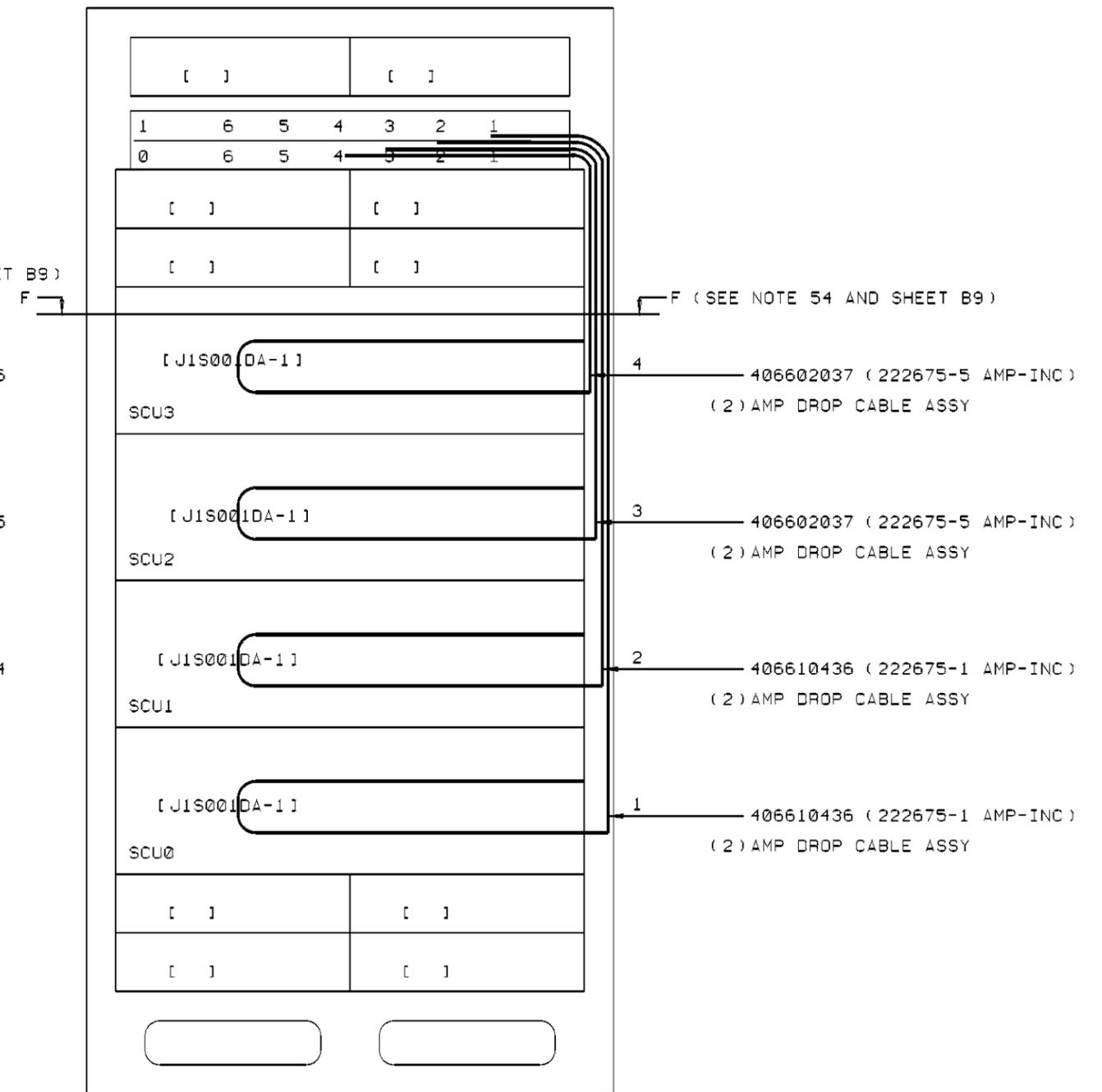
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SERVICE CIRCUIT NODE	DWG SIZE	ISSUE
	C2	5
AT&T	ED1S002-13	SHEET B13

FIG. 11  
 SERVICE CIRCUIT CABLES  
 FAX, TTS, VOICE, ASR  
 ED1S002-20  
 CSCC, CSCC



J1S001D-1

FIG. 12  
 THINNET CABLES  
 ED1S002-20  
 CSCC, CSCC

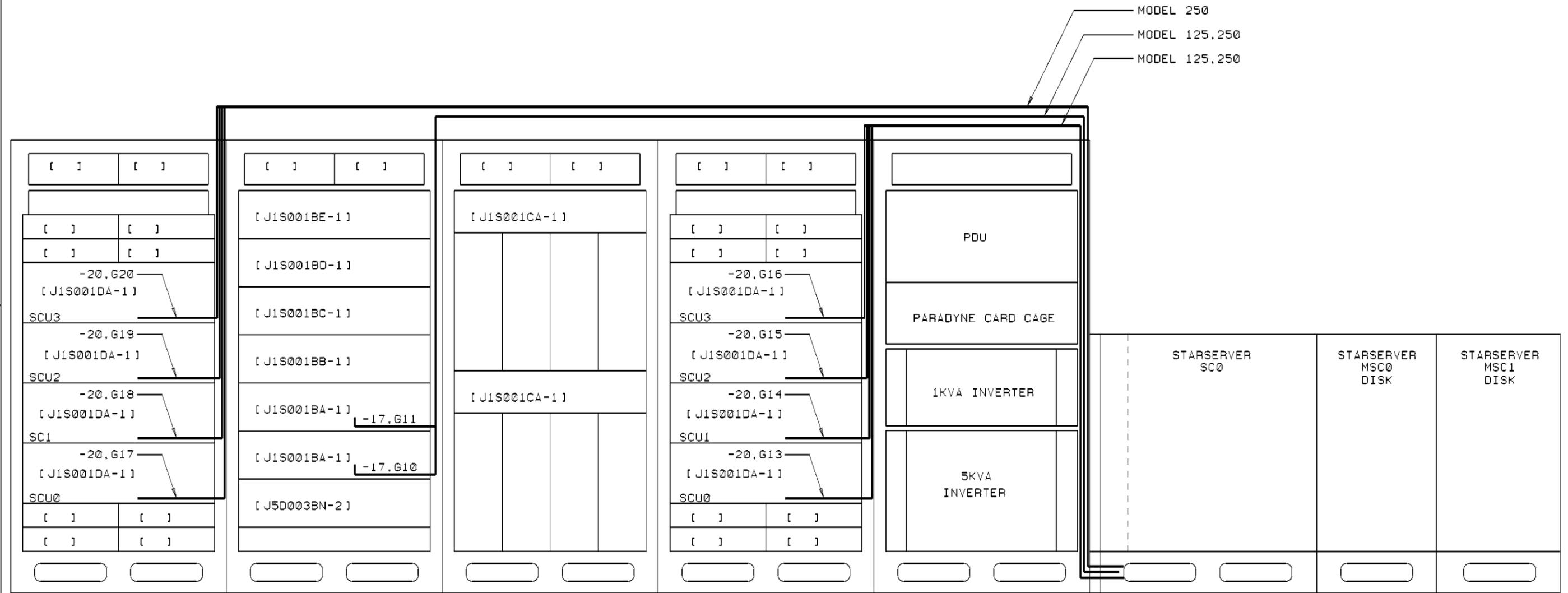


J1S001D-1

REAR VIEW

FIG. 13  
 EAI RESET CABLES  
 ED1S002-20, G13-G28 OR G13A (NOTE 1)  
 ED1S002-17, G10-G11 OR G10A (NOTE 2)  
 ED1S002-17, G12, G13 OR G10A (NOTE 2)

NOTE: 1. ED1S002-20, G13-28 USED WITH STANDARD FLOOR PLAN ARRANGEMENTS- FIXED LENGTHS. ED-1S002-20, 13A'S USED IN NON-STANDARD FLOOR PLAN ARRANGEMENTS - "X DIMENSION".  
 2. ED1S002-20, G10 & 11 USED WITH STANDARD FLOOR PLAN ARRANGEMENTS- FIXED LENGTHS. ED-1S002-20, 10A'S USED IN NON-STANDARD FLOOR PLAN ARRANGEMENTS - "X DIMENSION".



J1S001D-1  
 CSCC(RIGHT)

J1S001B-1  
 SFC

J1S001C-1  
 LUC

J1S001D-1  
 CSCC(LEFT)

J1S001E-1

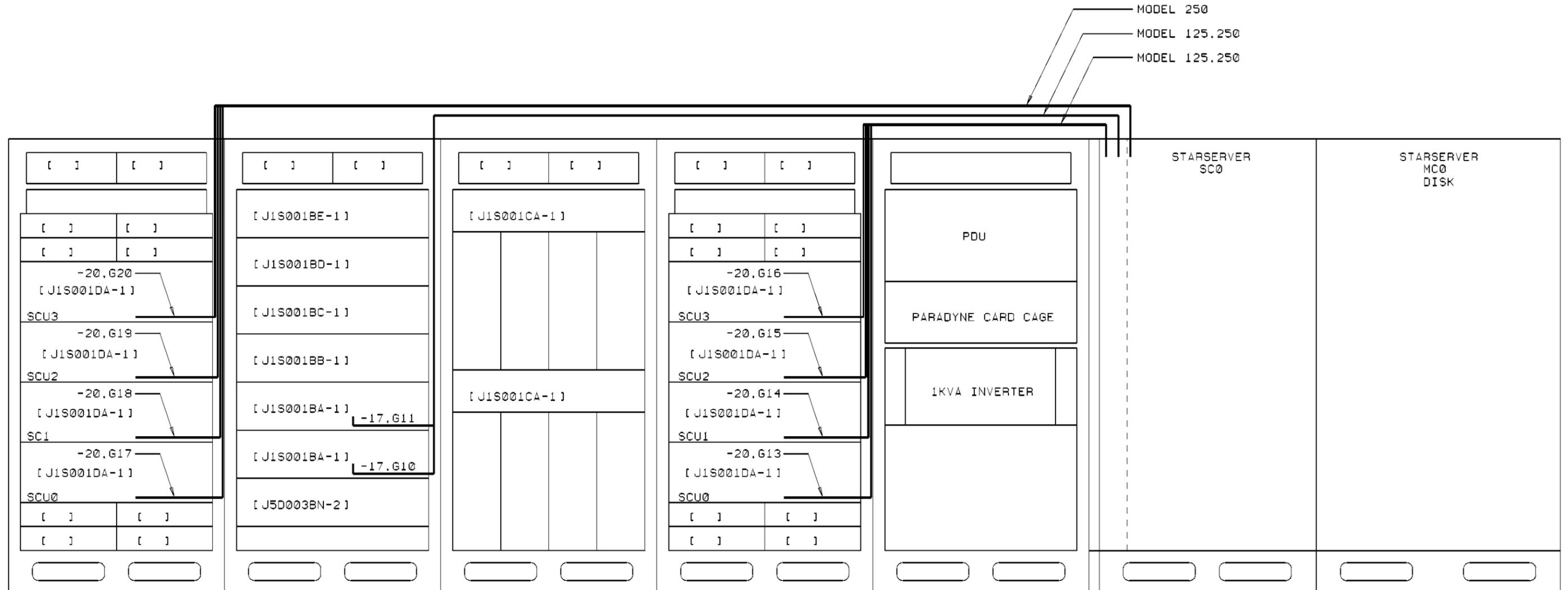
REAR VIEW

ED1S002-13

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SERVICE CIRCUIT NODE	DWG SIZE	ISSUE
	C2	5
AT&T	ED1S002-13	SHEET B15

FIG. 14  
 EAI RESET CABLES  
 ED1S002-20, G13-G28 OR G13A (NOTE 1)  
 ED1S002-17, G10-G11 OR G10A (NOTE 2)  
 ED1S002-17, G12, G13 OR G10A (NOTE 2)

NOTE: 1. ED1S002-20, G13-28 USED WITH STANDARD FLOOR PLAN ARRANGEMENTS- FIXED LENGTHS. ED-1S002-20, 13A'S USED IN NON-STANDARD FLOOR PLAN ARRANGEMENTS - "X DIMENSION".  
 2. ED1S002-20, G10 & 11 USED WITH STANDARD FLOOR PLAN ARRANGEMENTS- FIXED LENGTHS. ED-1S002-20, 10A'S USED IN NON-STANDARD FLOOR PLAN ARRANGEMENTS - "X DIMENSION".



JIS001D-1  
 CSCC (RIGHT)

JIS001B-1  
 SFC

JIS001C-1  
 LUC

JIS001D-1  
 CSCC (LEFT)

JIS001E-1

STARSERVER  
 SC0

STARSERVER  
 MC0  
 DISK

MODEL 250  
 MODEL 125.250  
 MODEL 125.250

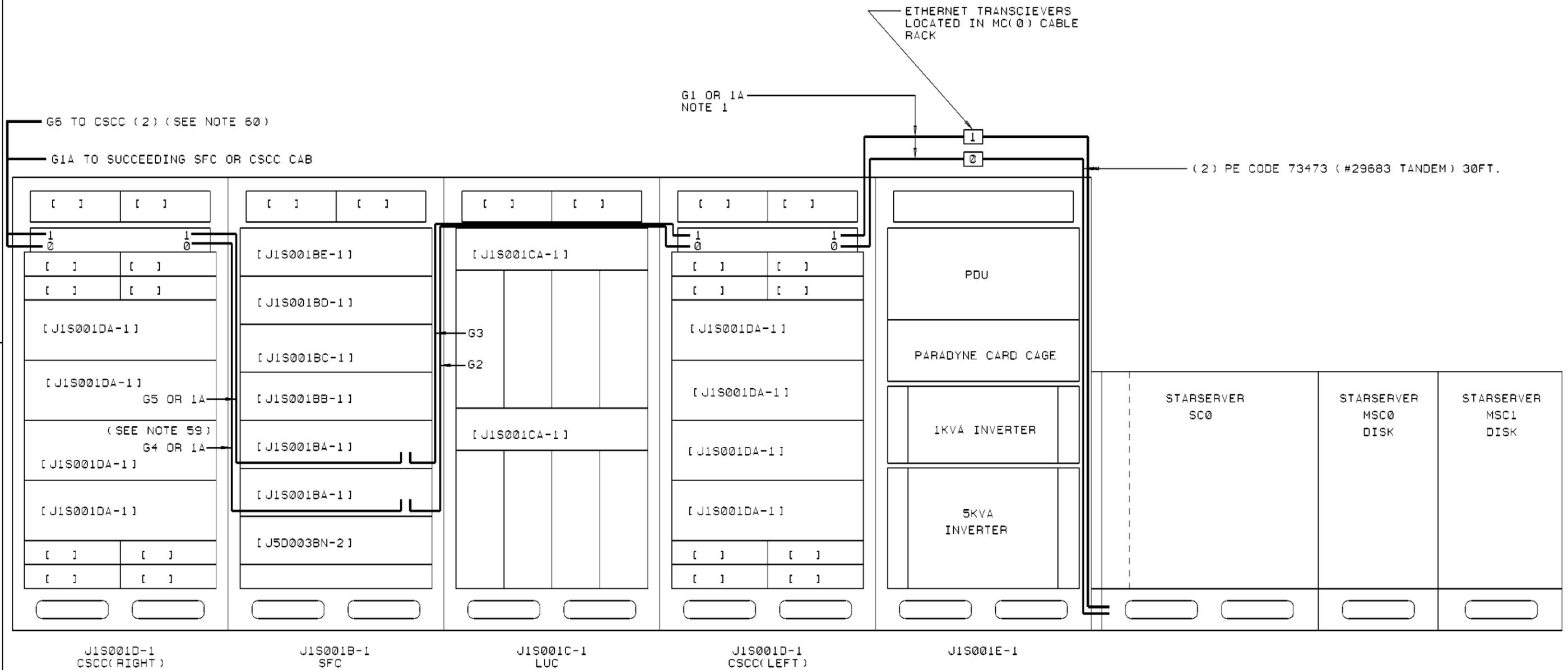
REAR VIEW

ED1S002-13

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SERVICE CIRCUIT NODE	DWG SIZE	ISSUE
	C2	5
AT&T	ED1S002-13	SHEET B16

FIG. 15  
ETHERNET CABLING  
ED1S002-12

1. ED1S002-12, G1-5 ARE FIXED LENGTH GROUPS.  
ED1S002-12, G1A IS AN X DIMENSION CABLE.

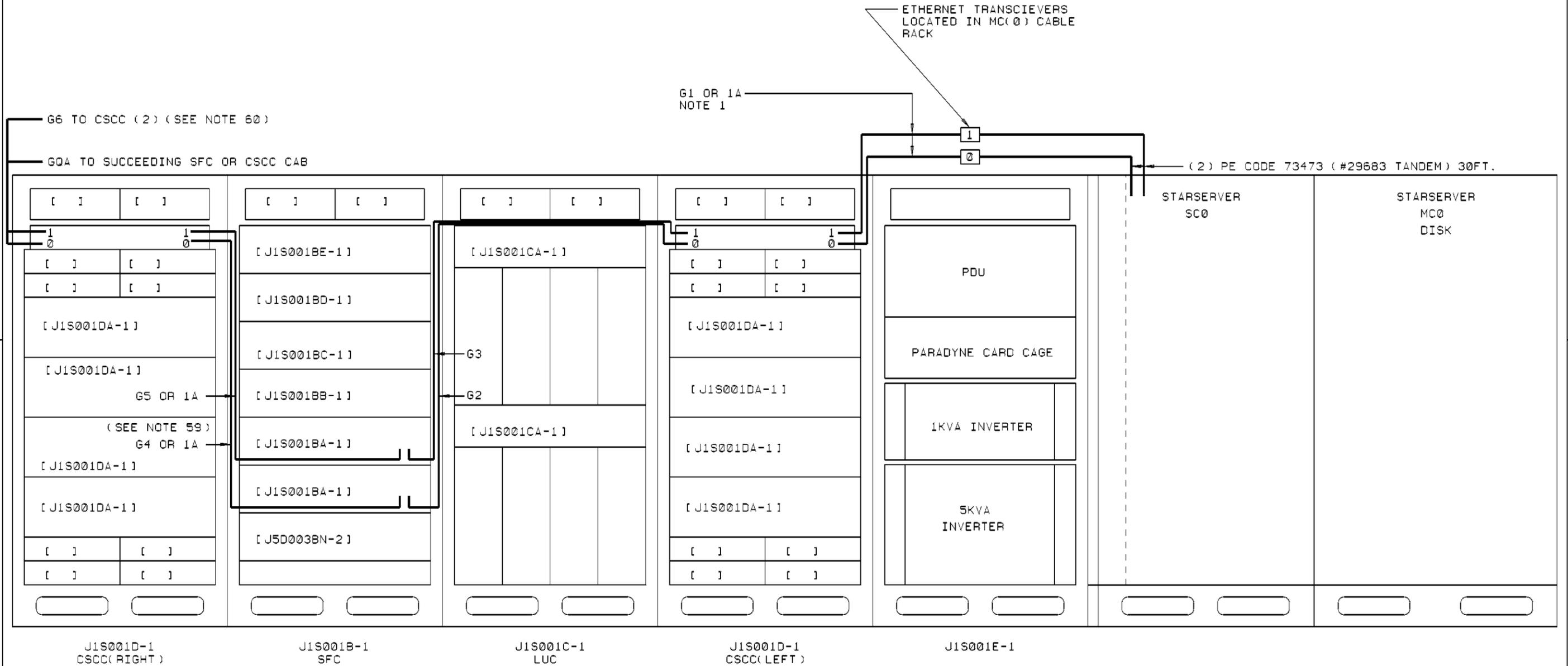


REAR VIEW

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SERVICE CIRCUIT NODE	DWG SIZE C2	ISSUE 5
AT&T	ED1S002-13	SHEET B17

FIG. 16  
ETHERNET CABLING  
ED1S002-12

1. ED1S002-12, G1-5 ARE FIXED LENGTH GROUPS.  
ED1S002-12, G1A IS AN X DIMENSION CABLE.



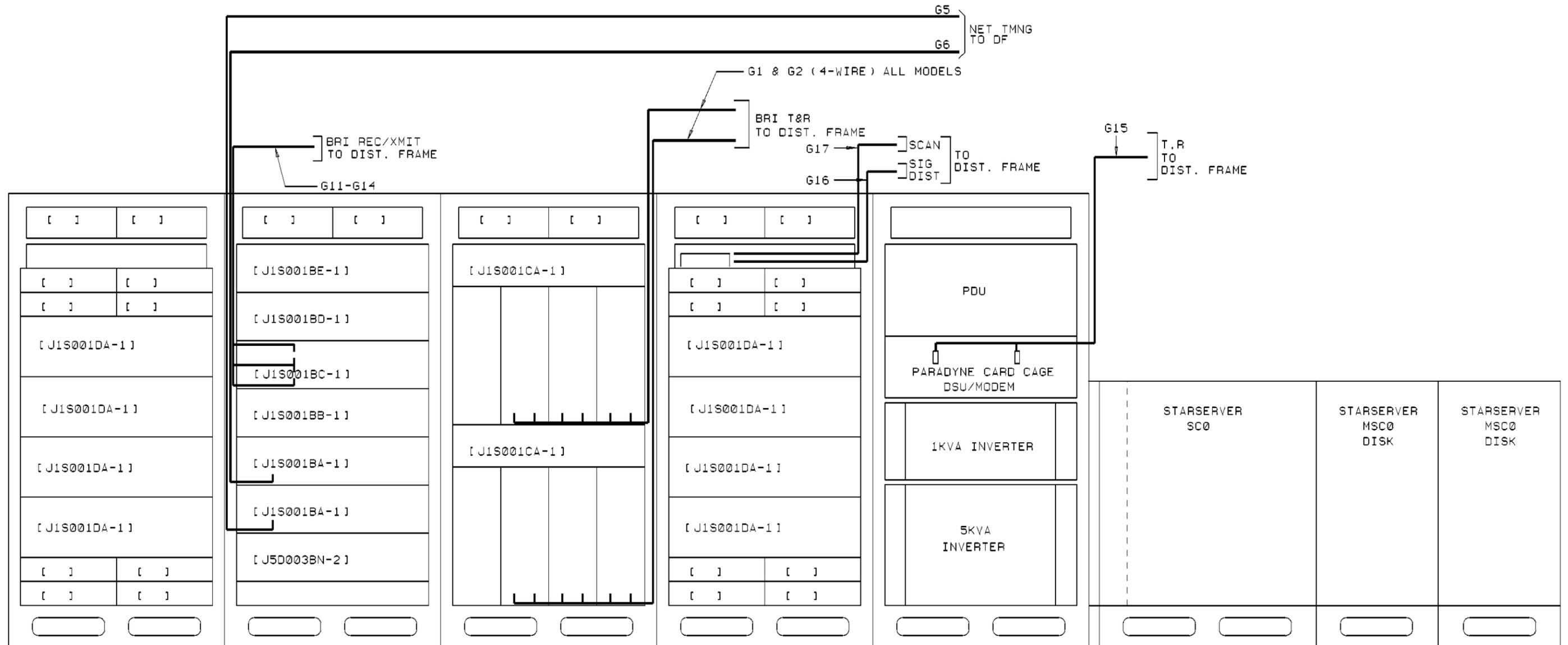
REAR VIEW

ED1S002-13

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SERVICE CIRCUIT NODE	DWG SIZE	ISSUE
	C2	5
AT&T	ED1S002-13	SHEET B18

FIG. 17  
DISTRIBUTING FRAME CABLES - BRI, PRI, NET TIMING  
ED1S002-35

NOTE: NT1'S AND CHANNEL  
SERVICE UNIT  
SPLITTERS ARE  
EXTERNAL TO THIS SCN.



J1S001D-1  
CSCC (RIGHT)

J1S001B-1  
SFC

J1S001C-1  
LUC

J1S001D-1  
CSCC (LEFT)

J1S001E-1

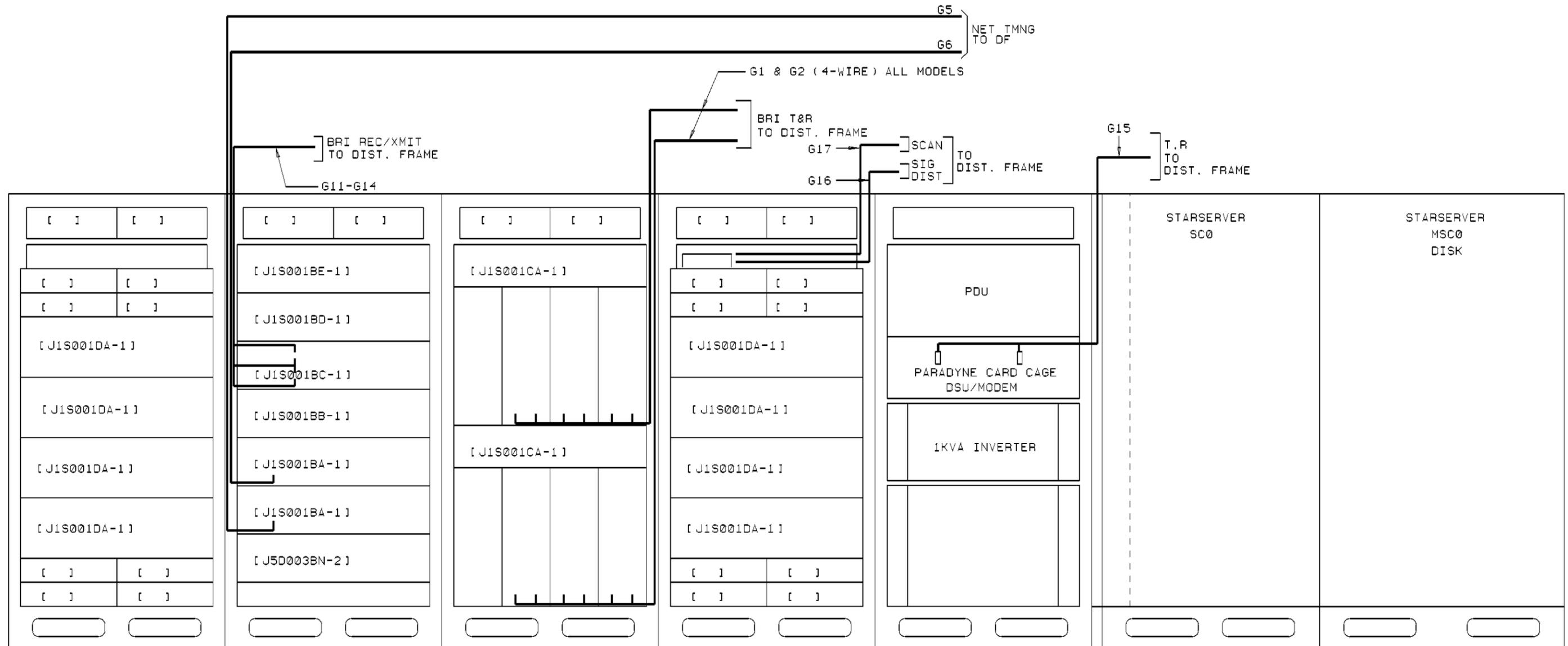
REAR VIEW

ED1S002-13

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SERVICE CIRCUIT NODE	DWG SIZE C2	ISSUE 5
AT&T	ED1S002-13	SHEET B19

FIG. 18  
DISTRIBUTING FRAME CABLES - BRI, PRI, NET TIMING  
ED1S002-35

NOTE: NT1'S AND CHANNEL  
SERVICE UNIT  
SPLITTERS ARE  
EXTERNAL TO THIS SCN.



J1S001D-1  
CSCC ( RIGHT )

J1S001B-1  
SFC

J1S001C-1  
LUC

J1S001D-1  
CSCC ( LEFT )

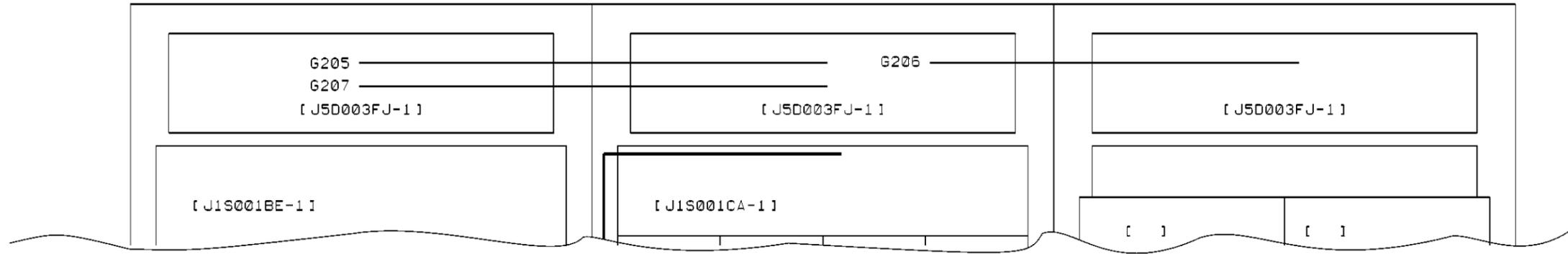
J1S001E-1

REAR VIEW

ED1S002-13

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SERVICE CIRCUIT NODE	DWG SIZE	ISSUE
	C2	5
AT&T	ED1S002-13	SHEET B20

FIG. 19  
 FAN & PWR MULTS (SF0 OR SF2 CABINET)  
 ED1S002-15  
 (SEE NOTE 57)



J1S001B-1  
 SFC

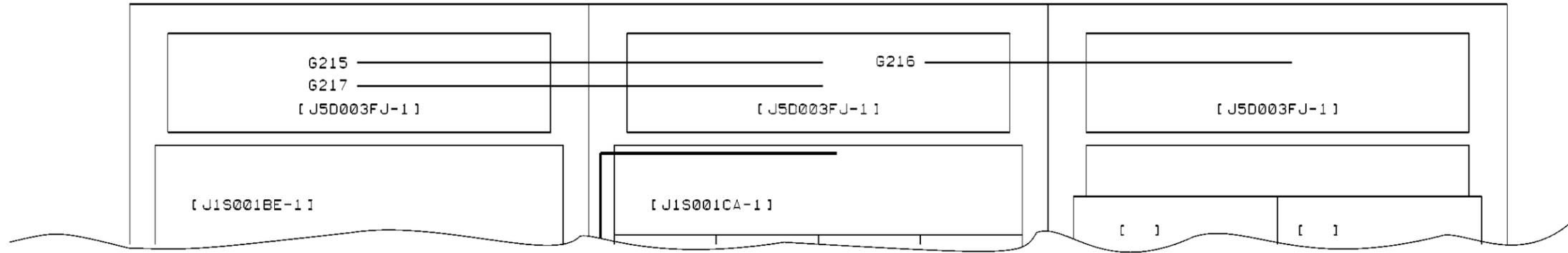
J1S001C-1  
 LUC

J1S001D-1  
 CSCC(LEFT)

REAR VIEW

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SERVICE CIRCUIT NODE	DWG SIZE	ISSUE
	C2	5
AT&T	ED1S002-13	SHEET B21

FIG. 20  
 FAN & PWR MULTS (SF1 OR SF3 MODULE)  
 ED1S002-15  
 (SEE NOTE 57)



J1S001B-1  
 SFC

J1S001C-1  
 LUC

J1S001D-1  
 CSCC(LEFT)

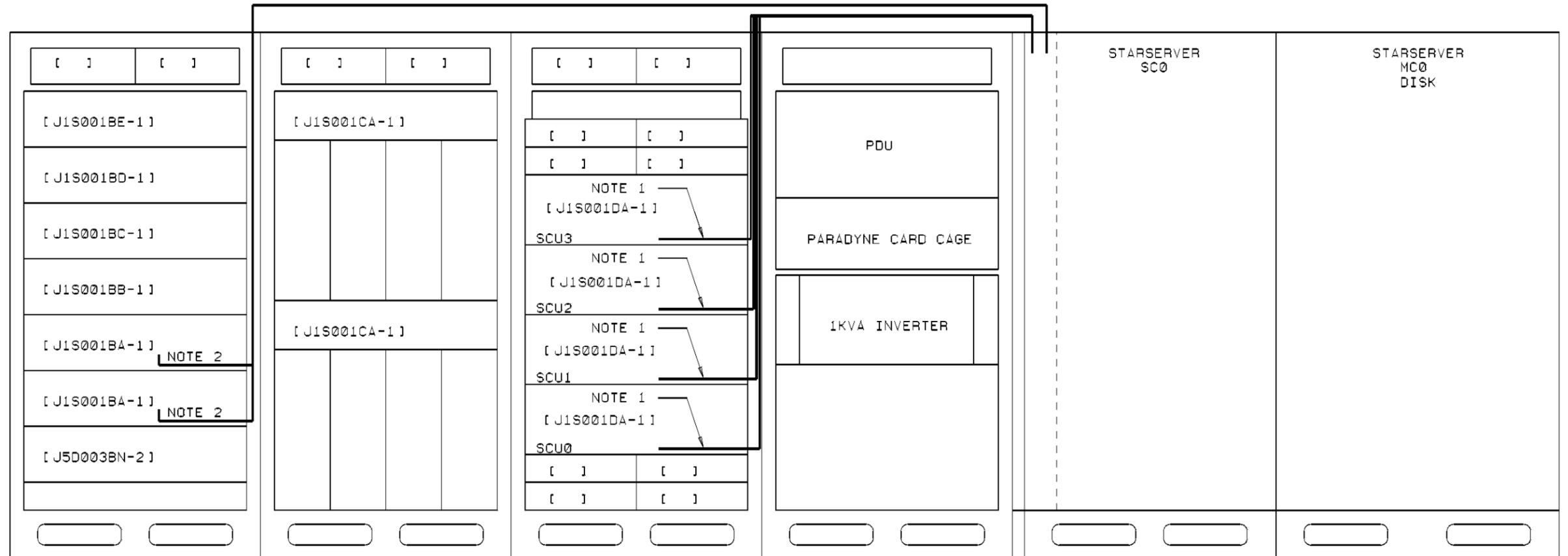
REAR VIEW

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SERVICE CIRCUIT NODE	DWG SIZE	ISSUE
	C2	5
AT&T	ED1S002-13	SHEET B22

FIG. 21  
 EAI RESET CABLES  
 ED1S002-20, G200 THRU 215 (NOTE 1)  
 ED1S002-17, G10AA THRU 10AH (NOTE 2)

NOTE 1:  
 ED1S002-20, G200 THRU 203 REQD IN SF0  
 G204 THRU 207 REQD IN SF1  
 G208 THRU 211 REQD IN SF2  
 G212 THRU 215 REQD IN SF3

NOTE 2:  
 ED1S002-17, G10AA,10AB REQD IN SF0  
 G10AC,10AD REQD IN SF1  
 G10AE,10AF REQD IN SF2  
 G10AG,10AH REQD IN SF3



J1S001B-1  
SFC

J1S001C-1  
LUC

J1S001D-1  
CSCC(LEFT)

J1S001E-1

STARSERVER  
SC0

STARSERVER  
MC0  
DISK

PDU

PARADYNE CARD CAGE

1KVA INVERTER

NOTE 1  
 [ J1S001DA-1 ]

SCU0

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SCU3

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REAR VIEW

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SERVICE CIRCUIT NODE

DWG SIZE  
C2

ISSUE  
5

AT&T

ED1S002-13

SHEET  
B23

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SEE PROPRIETARY NOTICE ON SHEET ONE

RT13

ADVANCED INTELLIGENCE NETWORK  
METHOD OF CABLING  
FOR  
INTRA/INTER CABINET CABLES

DWG SIZE  
C2

ISSUE  
5

ED1S002-13

AT&T

ED1S002-13

SHEET D1  
OF 25

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