DIMENSION® 2000 AND CUSTOM PBX

ATTENDANT AND NIGHT CONSOLE CROSS CONNECTIONS

CONTENTS

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1. GENERAL

1.1 This section provides installation information to cross-connect the attendant console(s) and, if required, the night console(s).

1.2 The night console provides an alternative to the regular attendant console and is activated via a night console transfer key located near the attendant console. When the key is operated, the data and speech leads are transferred via a 609 type transfer panel from the attendant console to the night console.

2. DOCUMENTATION

2.1	SD-1E480	CSS 201L
	COD	Customer Order Document

3. MATERIAL

3.1 The following material is required per night console:

Qty	Description
1	609(A or B) Transfer Panel
1	66M1-50 Connecting Blocks
1	6017B Transfer Key

Printed in U.S.A.

4. WIRING AND CABLING

4.1 Figure 1 shows a general block diagram for cross-connecting the attendant and night consoles to the 201L.

4.2 To connect consoles to the 201L, the alarm leads from the AP7 and the low speed data channel leads from the BX - and GX - cables must be cross-connected to the LGX(08-11) cables. The LGX07 cable provides a convenient means for doing this.

4.3 The attendant consoles may be directly connected to the LGX(08-11) connectors (at the Line Group Control Carrier) or the LGX(08-11) cables may be terminated, along with the console cable, at a connecting block.

5. CROSS CONNECTING PROCEDURES

5.1 Preliminary

5.11 Verify that the following cross-connect cables have been run and terminated:

Cable	Comment
AP7	Always required from Alarm Panel
BX01	Always required from Basic Control Carrier
BX02*	As required from Basic Control Carrier
GX01*	As required from Supplementary Control Carrier
GX02*	As required from Supplementary Control Carrier
GX03*	As required from Supplementary Control Carrier
LGX07*	As required from Line Group Control Carrier
LGX08*	As required from Line Group Control Carrier
LGX09*	As required from Line Group Control Carrier
LGX10*	As required from Line Group Control Carrier
LGX11*	As required from Line Group Control Carrier

*Required cabling is provided in the COD - Cable Running List and/or as required by Telco.

5.2 Alarm Lead Cross Connects

5.21 AMJ* & AMN* Cross Connects - From the AP7 cross-connect the AMJ* and AMN* leads to each of the LGX07 connectors. (Note: Table A provides connecting information for the LGX07 and AP7 terminal blocks.)

5.3 Data Lead Cross Connects

5.31 IOX - and IOR - Cross Connects - From the COD Dual Data Channel assignments determine which data channels are to be assigned to attendant consoles. Attendant consoles are assigned in numerical sequence. (i.e., first attendant console would be assigned to the lowest slot and circuit number.)

5.32 Using Tables B and C as a guide, fill in the necessary information on Table A. (Note Table A is on a per Line Group Control Carrier basis.) The following leads should be cross-connected:

BX-, GX-, AND LGX07 DATA
CHANNEL CROSS-CONNECTS*

BX-, GX-	LGX07
IOXB___	IOXB___
IOXA___	IOXA___
IORB___	IORB___
IORA___	IORA___

*Note that the IOXB - and IOXA - pin assignments are reversed between the BX-, GX-, and the LGX07 connectors.

5.33 Using Table A as guide perform the data channel cross-connects between the LGX07 and BX-, GX- cables.

5.4 Attendant Console Connections

5.41 If night console connections are required in association with the attendant console being connected, go to paragraph 6.

5.42 From the COD Cable Running Lists determine which connectors LGX(08-11) require console connections and connect as required. Consoles may be connected directly to the Line Group Control Carrier, LGX(08-11) connectors, or may be terminated at a connecting block. See Figure 1.

6. Night Console Connections

6.1 Preliminary

6.11 On a per night console basis, the materials as listed in paragraph 3.1 are required along with the necessary 25 pair cable(s) to make the connections.

6.12 Whenever a night console is required, a 609 (A or B) Transfer Panel and a 66M1-50 Connecting Block is required to transfer the data and speech leads from one console to another. The -48C-RES battery is also switched but the -48C and GRD -48 is not. (See Figures 1 and 2, and Table D.)

6.13 Power (-48V) for the Transfer Panel is obtained from the fuse (-48FE1) used for emergency transfer. A switch (6017B) is required at the attendant console to activate the Transfer Panel (thereby activating the night console).

6.2 Procedure

6.21 Verify that the necessary 609 (A or B) panels and 66M1-50 connecting blocks have been installed.

6.22 Using Table D and Figure 2 as a guide, connect the LGX08, 09, 10, or 11 to 609 panel and night console connecting block.

6.23 Using Table D and Figure 2 as a guide, connect the attendant and night console to the 609 panel and 66M1-50 connecting block.

6.24 Connect the transfer panel power and the attendant console switch (6017B) terminals as follows:

6.241 609A Transfer Panel

Design	From	To
BAT	TBC-2 (609A)	AP7 Conn. Blk. (Term. 50, 48, 46, 44)*
REOP	TBC-1 (609A)	6017B Switch (Term. 3)
GS GND	TBC-45 (609A)	Bldg Gnd (6 or 14 ga)

6.242 609B Transfer Panel

Design	From	To
BAT	TBB-13A (609B)	AP7 Conn. Blk. (Term. 50, 48, 46, 44)*
REOP	TBB-12A (609B)	6017B Switch (Term. 3)
GS GND	TBB-15A (609B)	Bldg Gnd (6 or 14 ga)

6.243 6017B Switch

From	To
Term. 2 (6017B)	AP7 Conn. Blk. (Term. 49, 47, 45, 43)*

*Refers to 66 type connecting block terminal.

7. FINAL WRAP UP

7.1 Verify that the LC34 data channels to be used for attendant consoles are optioned for low speed. (See Section 10.)

7.2 Verify that the following cables are connected when required:

AP7	Attendant Console Cables
BX01	Night Console Cables
BX02	Night Console Transfer Panel Cables
GX01	
GX02	
GX03	
LGX07	
LGX08	
LGX09	
LGX10	
LGX11	

7.3 This completes the Attendant and Night Console cross connections per this section.

TABLE A

LINE GROUP CONTROL CARRIER FOR MODULE ____ CAB _____

TERMINAL		WIRE	FROM	TO	
BLK	CONN	COLOR	LGX07	BLK TER	CONN
1	26	W-BL	10XADC		
2	1	BL-W	10XBOC		
3	27	W-O	10RAOC		
4	2	O-W	10RBOC		
5	28	W-G	AMN*	8	AP7
6	3	G-W	AMJ*	6	AP7
7	29	W-BR	10XAOD		
8	4	BR-W	10XBOD		
9	30	W-S	10RAOD		
10	5	S-W	10RBOD		
11	31	R-BL	AMN*	8	AP7
12	6	BL-R	AMJ*	6	AP7
13	32	R-O	10XAOE		
14	7	O-R	10XBOE		
15	33	R-G	10RAOE		
16	8	G-R	10RBOE		
17	34	R-BR	AMN*	8	AP7
18	9	BR-R	AMJ*	6	AP7
19	35	R-S	10XAOF		
20	10	S-R	10XBOF		
21	36	BK-BL	10RAOF		
22	11	BL-BK	10RBOF		
23	37	BK-O	AMN*	8	AP7
24	12	O-BK	AMJ*	6	AP7
25	38	BK-G			
26	13	G-BK			
27	39	BK-BR			
28	14	BR-BK			
29	40	BK-S			
30	15	S-BK			
31	41	Y-BL			
32	16	BL-Y			
33	42	Y-O			
34	17	O-Y			
35	43	Y-G			
36	18	G-Y			
37	44	Y-BR			
38	19	BR-Y			
39	45	Y-S			
40	20	S-Y			
41	46	V-BL			
42	21	BL-V			
43	47	V-O			
44	22	O-V			
45	48	V-G			
46	23	G-V			
47	49	V-BR			
48	24	BR-V			
49	50	V-S			
50	25	S-V			

TABLE B

TERM		LEAD COLOR	DIMENSION 2000 (BASIC CONTROL CARRIER)*					
				BX01			BX02	
BLOCK	CONN		SLOT	CKT	LEAD	SLOT	CKT	LEAD
1	26	W-BL	32	0	10XB0004	38	0	10XB0016
2	1	BL-W			10XA0004			10XA0016
3	27	W-O			10RB0004			10RB0016
4	2	O-W			10RA0004			10RA0016
5	28	W-G		1	10XB0005		1	10XB0017
6	3	G-W			10XA0005			10XA0017
7	29	W-BR			10RB0005			10RB0017
8	4	BR-W			10RA0005			10RA0017
9	30	W-S	33	0	10XB0006			
10	5	S-W			10XA0006			
11	31	R-BL			10RB0006			
12	6	BL-R			10RA0006			
13	32	R-O		1	10XB0007			
14	7	O-R			10XA0007			
15	33	R-G			10RB0007			
16	8	G-R			10RA0007			
17	34	R-BR	34	0	10XB0008			
18	9	BR-R			10XA0008			
19	35	R-S			10RB0008			
20	10	S-R			10RA0008			
21	36	BK-BL		1	10XB0009			
22	11	BL-BK			10XA0009			
23	37	BK-O			10RB0009			
24	12	O-BK			10RA0009			
25	38	BK-G	35	0	10XB0010			
26	13	G-BK			10XA0010			
27	39	BK-BR			10RB0010			
28	14	BR-BK			10RA0010			
29	40	BK-S		1	10XB0011			
30	15	S-BK			10XA0011			
31	41	Y-BL			10RB0011			
32	16	BL-Y			10RA0011			
33	42	Y-O	36	0	10XB0012			
34	17	O-Y			10XA0012			
35	43	Y-G			10RB0012			
36	18	G-Y			10RA0012			
37	44	Y-BR		1	10XB0013			
38	19	BR-Y			10XA0013			
39	45	Y-S			10RB0013			
40	20	S-Y			10RA0013			
41	46	V-BL	37	0	10XB0014			
42	21	BL-V			10XA0014			
43	47	V-O			10RB0014			
44	22	O-V			10RA0014			
45	48	V-G		1	10XB0015			
46	23	G-V			10XA0015			
47	49	V-BR			10RB0015			
48	24	BR-V			10RA0015			
49	50	V-S						
50	25	S-V						

*= J58882AA OR J58882AC UNIT

TABLE C

TERM		LEAD	DIMENSION 2000 (GROWTH CONTROL CARRIER) (J58882AB/AD)								
			GX01			GX02			GX03		
BLOCK	CONN	COLOR	SLOT	CKT	LEAD	SLOT	CKT	LEAD	SLOT	CKT	LEAD
1	26	W-BL	20	0	IOXB0100	26	0	IOXB0112	32	0	IOXB0124
2	1	BL-W			IOXA0100			IOXA0112			IOXA0124
3	27	W-O			IORB0100			IORB0112			IORB0124
4	2	O-W			IORA0100			IORA0112			IORA0124
5	28	W-G		1	IOXB0101		1	IOXB0113		1	IOXB0125
6	3	G-W			IOXA0101			IOXA0113			IOXA0125
7	29	W-BR			IORB0101			IORB0113			IORB0125
8	4	BR-W			IORA0101			IORA0113			IORA0125
9	30	W-S	21	0	IOXB0102	27	0	IOXB0114	33	0	IOXB0126
10	5	S-W			IOXA0102			IOXA0114			IOXA0126
11	31	R-BL			IORB0102			IORB0114			IORB0126
12	6	BL-R			IORA0102			IORA0114			IORA0126
13	32	R-O		1	IOXB0103		1	IOXB0115		1	IOXB0127
14	7	O-R			IOXA0103			IOXA0115			IOXA0127
15	33	R-G			IORB0103			IORB0115			IORB0127
16	8	G-R			IORA0103			IORA0115			IORA0127
17	34	R-BR	22	0	IOXB0104	28	0	IOXB0116			
18	9	BR-R			IOXA0104			IOXA0116			
19	35	R-S			IORB0104			IORB0116			
20	10	S-R			IORA0104			IORA0116			
21	36	BK-BL		1	IOXB0105		1	IOXB0117			
22	11	BL-BK			IOXA0105			IOXA0117			
23	37	BK-O			IORB0105			IORB0117			
24	12	O-BK			IORA0105			IORA0117			
25	38	BK-G	23	0	IOXB0106	29	0	IOXB0118			
26	13	G-BK			IOXA0106			IOXA0118			
27	39	BK-BR			IORB0106			IORB0118			
28	14	BR-BK			IORA0106			IORA0118			
29	40	BK-S		1	IOXB0107		1	IOXB0119			
30	15	S-BK			IOXA0107			IOXA0119			
31	41	Y-BL			IORB0107			IORB0119			
32	16	BL-Y			IORA0107			IORA0119			
33	42	Y-O	24	0	IOXB0108	30	0	IOXB0120			
34	17	O-Y			IOXA0108			IOXA0120			
35	43	Y-G			IORB0108			IORB0120			
36	18	G-Y			IORA0108			IORA0120			
37	44	Y-BR		1	IOXB0109		1	IOXB0121			
38	19	BR-Y			IOXA0109			IOXA0121			
39	45	Y-S			IORB0109			IORB0121			
40	20	S-Y			IORA0109			IORA0121			
41	46	V-BL	25	0	IOXB0110	31	0	IOXB0122			
42	21	BL-V			IOXA0110			IOXA0122			
43	47	V-O			IORB0110			IORB0122			
44	22	O-V			IORA0110			IORA0122			
45	48	V-G		1	IOXB0111		1	IOXB0123			
46	23	G-V			IOXA0111			IOXA0123			
47	49	V-BR			IORB0111			IORB0123			
48	24	BR-V			IORA0111			IORA0123			
49	50	V-S									
50	25	S-V									

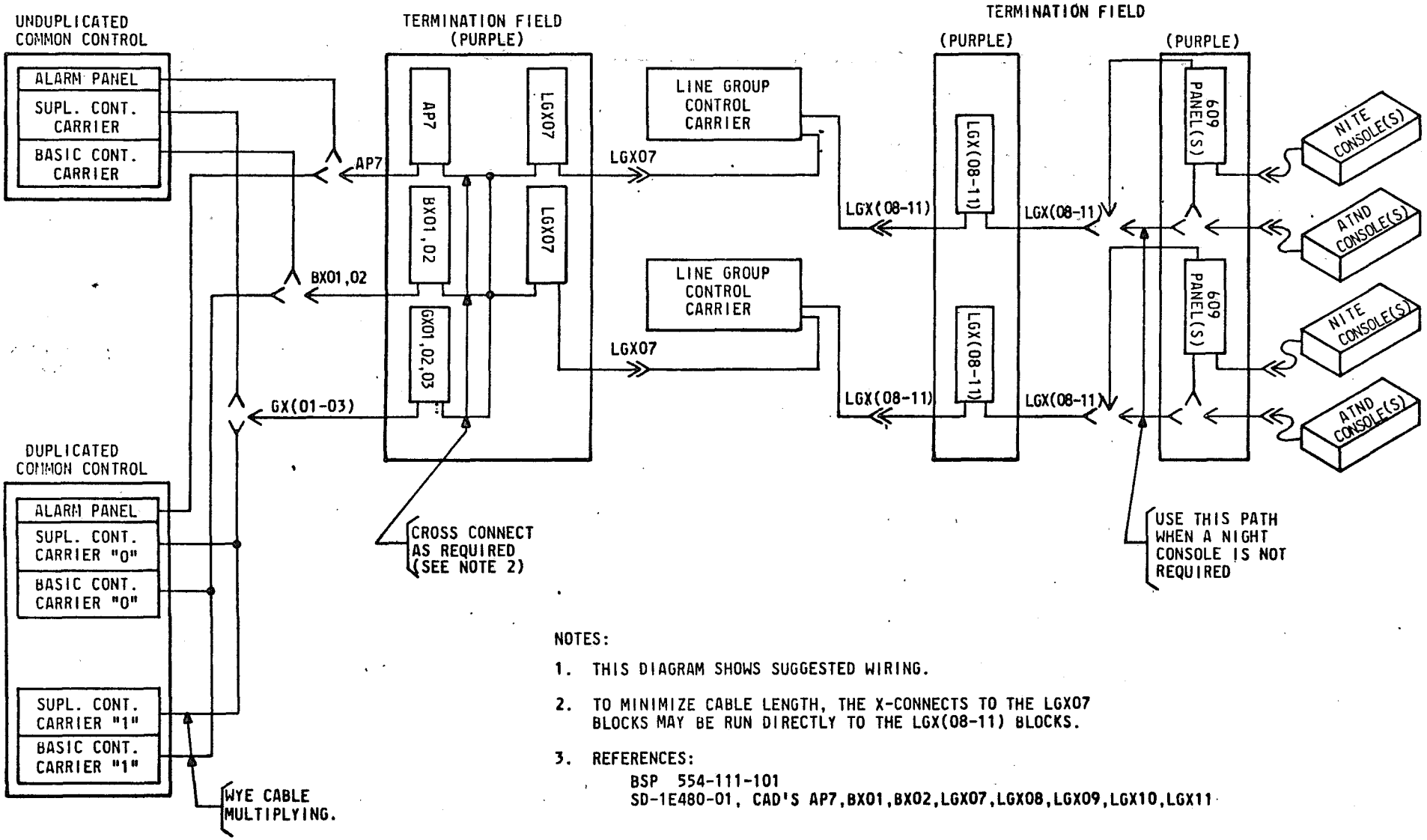
TABLE D

NIGHT TRANSFER PANEL CONNECTIONS

TERM BLK	TERM CONN.	LEAD COLOR	LGX(08-11) AND (CONSOLE) LEAD DESIGNATION	TO PBX 609A	TO PBX 609B		TO ATND CONSOLE 609A	TO ATND CONSOLE 609B		TO NIGHT CONSOLE 609A	TO NIGHT CONSOLE 609B
				TBA			TBA			TBA	
1	26	W-BL	10XA0(+DATA IN)	1	1A		6	6A		4	4A
2	1	BL-W	10XB0(-DATA IN)	2	2A		7	7A		5	5A
3	27	W-O	10RA0(+DATA OUT)	11	1B		16	6B		14	4B
4	2	O-W	10RB0(-DATA IN)	12	2B		17	7B		15	5B
5	28	W-G	T(+SPEECH IN)	21	1C		26	6C		24	4C
6	3	G-W	R(-SPEECH IN)	22	2C		27	7C		25	5C
7	29	W-BR	T1(+SPEECH OUT)	31	1D		36	6D		34	4D
8	4	BR-W	R1(-SPEECH OUT)	32	2D		37	7D		35	5D
9	30	W-S	GRDCF								
10	5	S-W	GRDCF								
11	31	R-BL	AMN* (MINOR ALARM)								
12	6	BL-R	AMJ* (MAJOR ALARM)								
13	32	R-O	+5C								
14	7	O-R	-48C1 RES	41	1E		46	6E		44	4E
15	33	R-G	GRD-48								
16	8	G-R	-48C1	SEE			SEE			SEE	
17	34	R-BR	GRD-48	NOTE			NOTE			NOTE	
18	9	BR-R	-48C1	1,4			2,4			3,4	
19	35	R-S	GRD-48								
20	10	S-R	-48C1								
21	36	BK-BL	GRD-48								
22	11	BL-BK	-48C1								
23	37	BK-O	GRD-48								
24	12	O-BK	-48C1								
25	38	BK-G	GRD-48								
26	13	G-BK	-48C1								
27	39	BK-BR	GRD-48								
28	14	BR-BK	-48C1								
29	40	BK-S	GRD-48								
30	15	S-BK	-48C1								
31	41	Y-BL	GRD-48								
32	16	BL-Y	-48C1								
33	42	Y-O	GRD-48								
34	17	O-Y	-48C1								
35	43	Y-G	GRD-48								
36	18	G-Y	-48C1								
37	44	Y-BR	GRD-48								
38	19	BR-Y	-48C1								
39	45	Y-S	GRD-48								
40	20	S-Y	-48C1								
41	46	V-BL	GRD-48								
42	21	BL-V	-48C1								
43	47	V-O	GRD-48								
44	22	O-V	-48C								
45	48	V-G	GRD-48								
46	23	G-V	-48C1								
47	49	V-BR	GRD-48								
48	24	BR-V	-48C1								
49	50	V-S	GRD-48								
50	25	S-V	-48C1								

(1) CONNECT TO LGX08,09,10, OR 11 CONNECTOR.
(2) CONNECT TO B COLUMN OF NIGHT CONSOLE CONNECTING BLOCK.
(3) CONNECT TO C COLUMN OF NIGHT CONSOLE CONNECTING BLOCK.
(4) CONNECT LGX08,09,10 OR 11 CONNECTOR TERMINALS (9-13,15-50) TO COLUMN B RESPECTIVELY, AND BRIDGE COLUMN C TO D.

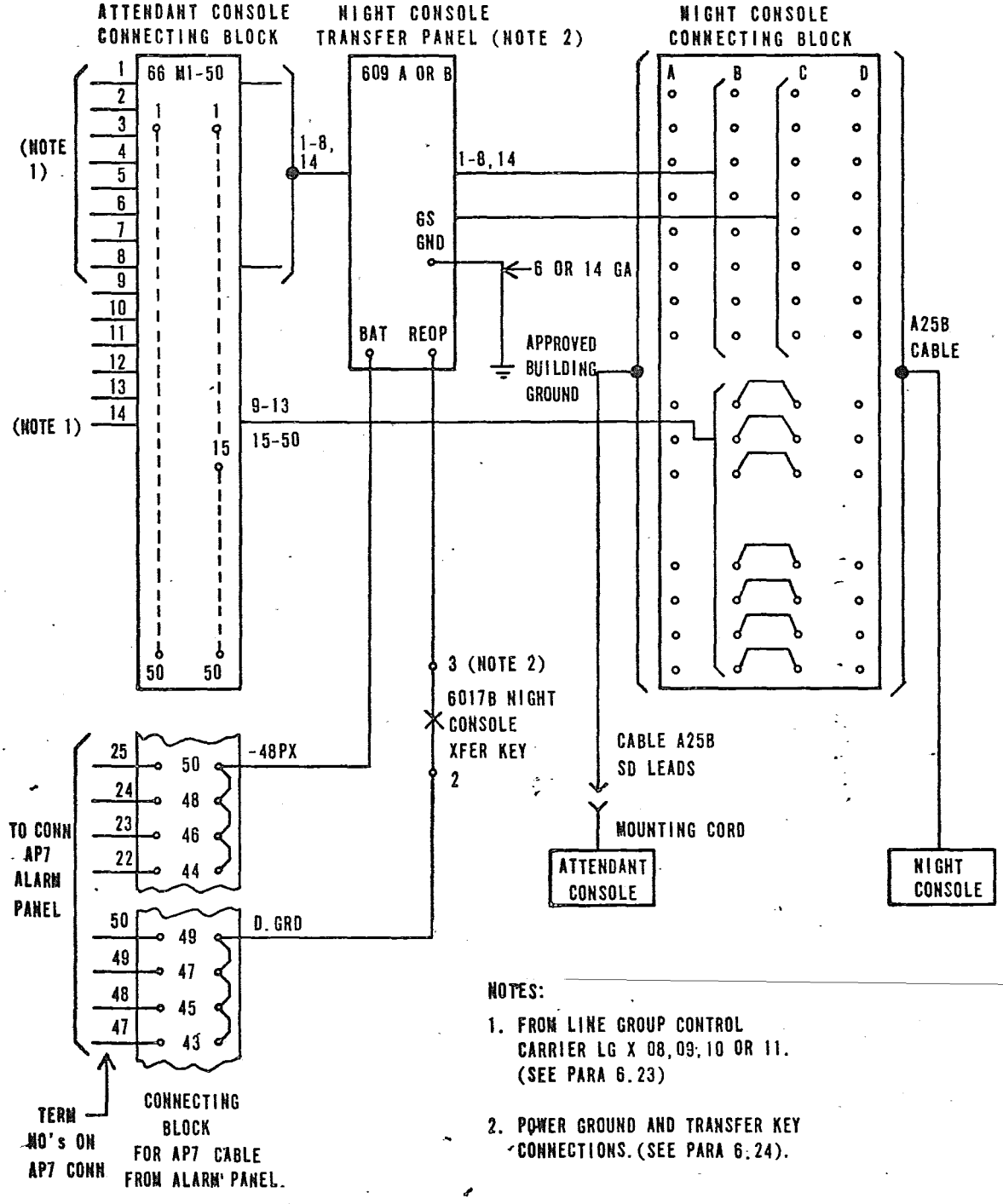
ATTENDANT AND NITE CONSOLE(S) CROSS CONNECTIONS BLOCK DIAGRAM (SEE NOTE 1)



NOTES:

1. THIS DIAGRAM SHOWS SUGGESTED WIRING.
2. TO MINIMIZE CABLE LENGTH, THE X-CONNECTS TO THE LGX07 BLOCKS MAY BE RUN DIRECTLY TO THE LGX(08-11) BLOCKS.
3. REFERENCES:
   BSP 554-111-101
   SD-1E480-01, CAD'S AP7,BX01,BX02,LGX07,LGX08,LGX09,LGX10,LGX11

FIGURE 1



NOTES:

1. FROM LINE GROUP CONTROL CARRIER LG X 08, 09, 10 OR 11. (SEE PARA 6.23)
2. POWER GROUND AND TRANSFER KEY CONNECTIONS. (SEE PARA 6.24).

FIGURE 2

Reason for issue:
New Section

Manager, Denver PBX PECC