

3A SPEAKERPHONE SYSTEM

560 SERIES

CONNECTIONS

1.00 GENERAL

1.01 This section shows the connections between components in the 3A speakerphone system and the following station sets:

- 565G telephone set (Fig. 1).
- 565H telephone set (Fig. 2).
- 565HD and 565LD telephone sets using 148A adapter (Fig. 3).
- 565HD and 565LD telephone sets using 149A adapter (Fig. 4).
- 565L telephone set (Fig. 5).
- 566M/B telephone set (Fig. 6).

1.02 Telephone set conversions for 1A or 1A1 key systems are shown in Table A.

1.03 Line connections to the station equipment have been deleted from the figures and will be found in the appropriate C Sections.

1.04 The information in this section was formerly in C70.202.03, Issue 2, entitled 3A Speakerphone System, Connections.

TABLE A
1A AND 1A1 KEY TELEPHONE SET CONVERSIONS
 (With and Without Station Busy Lamps)

Tele- phone Set	Station Busy LP Circuit	Key Tel Sys	Switch			Hold. Key		Dial Leads		Cord Conductors		M1W Cord
			S-W	S-G	S-Y	Y	Y-BK	Y	Y	O-R [•] G-V [■]	O [•] V-S [■]	
565HA 565HB 565LA 565LB	No	1A	SG	L2*	N	R	M	ON	ON1	N	†	
		1A1	1B	N	R	M	N	ON	ON1	R	N	
	Yes	1A	SG	L2*	N	R	M	ON	ON1	N	L2*	
		1A1	1B	L2*	R	M	N	ON	ON1	R	L2*	G* to N
565GA 565GB	No	1A	SG	L2*	N			ON	‡	N	M	
		1A1	1B	M	N			ON	‡	N	M	
	Yes	1A	SG	L2*	N			ON	‡	N	L2*	
		1A1	1B	L2*	N			ON	‡	N	L2*	G* to M
565HD PLUG ENDED	No	1A	1B	1B	N	R	M	ON	ON1	N	†	
		1A1	1B	N	R	M	N	ON	ON1	R	N	
	Yes	1A	SG	L2*	N	R	M	ON	ON1	N	L2*	
		1A1	1B	L2*	R	M	N	ON	ON1	R	L2*	G to L2
565LDR PLUG ENDED	No	1A	SG	L2*	N	R	M	ON	ON1	N	†	
		1A1	1B	N	R	M	N	ON	ON1	R	N	
	Yes	1A	SG	L2*	N	R	M	ON	ON1	N	L2*	
		1A1	1B	L2*	R	M	N	ON	ON1	R	L2*	G* to N

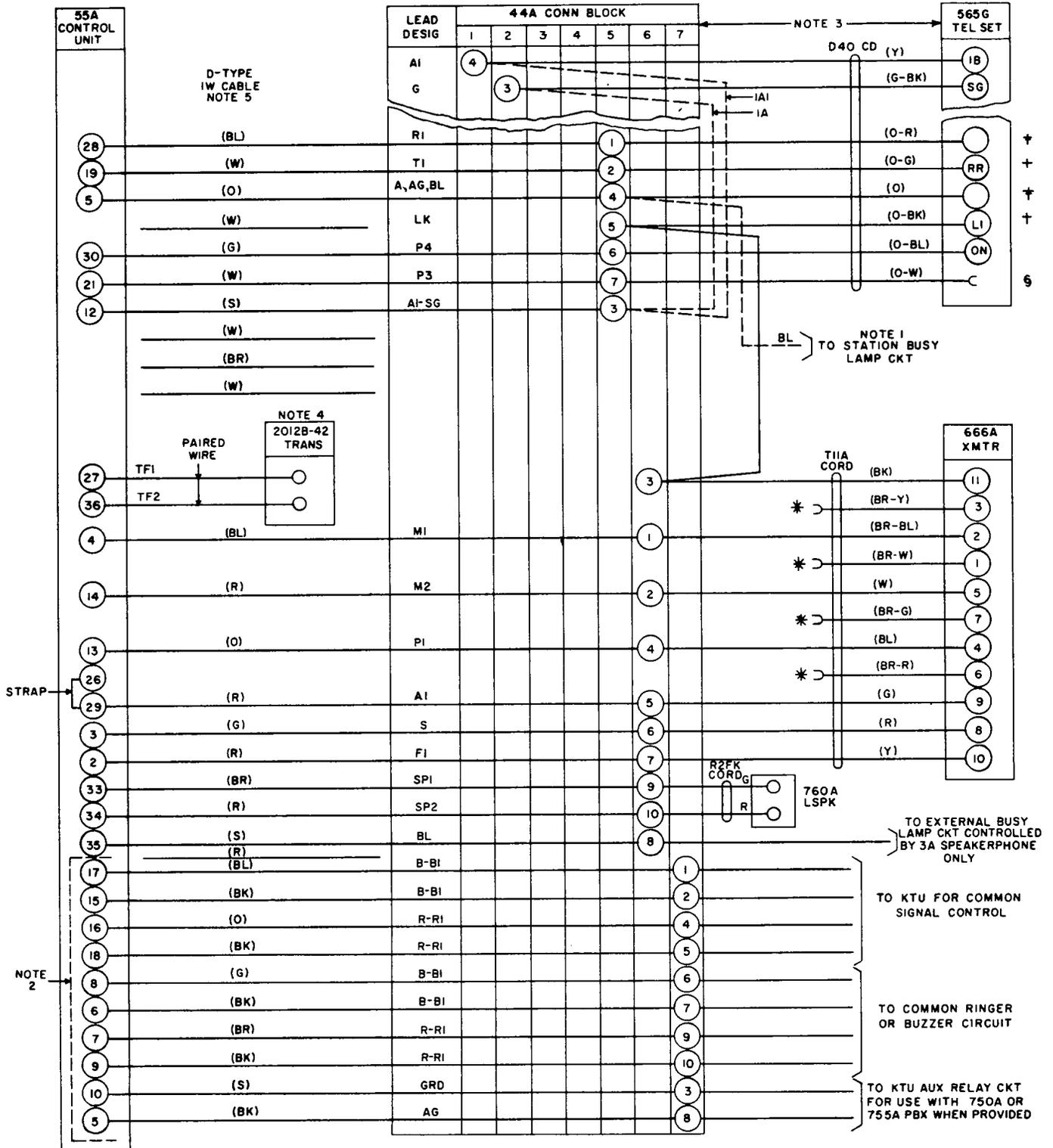
• All telephone sets except plug-ended sets.

■ Plug-ended set connections.

* On network.

† Place KS-19147, List 1 cord-tip insulator and store.

‡ Terminal not provided—connect to O-W conductor of mounting cord with D-161488 connector, or equivalent.



Note 1: For connections with and without station busy lamp, refer to Table A.
Note 2: Connect to 44A block 7 using IW cable, or connect direct to control unit as required.
Note 3: For telephone connections, refer to appropriate C Section.
Note 4: Due to the lower voltage rating, the 2012A transformer should *not* be used to power the 55A control unit.
Note 5: Speakerphone leads need not be run in separate IW cable if length does not exceed 100 feet.

Spare terminals on control unit:

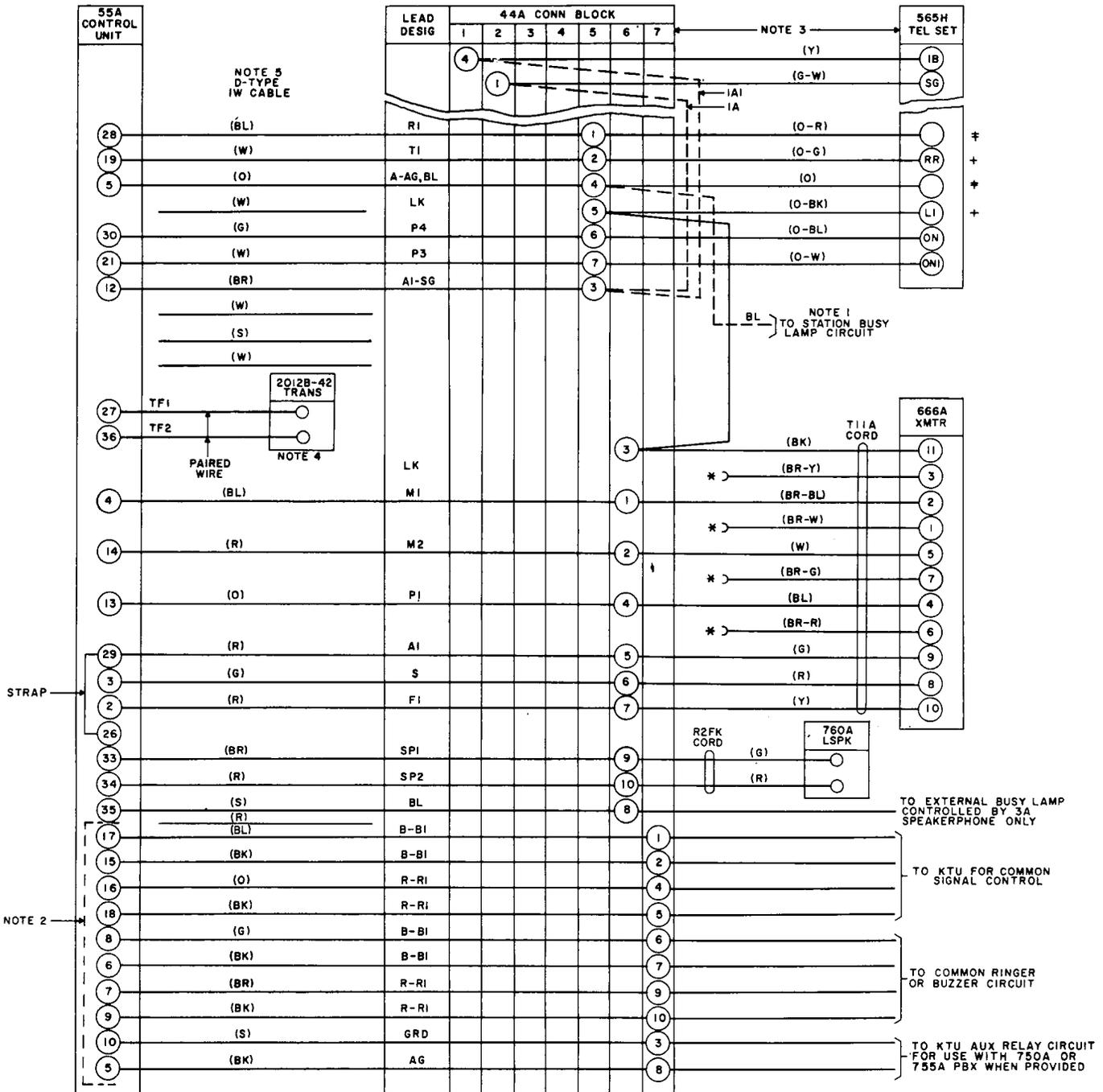
① 11 20 25 32

INTERNAL STRAP

- * Place KS-19147, List 1 cord-tip insulator and store.
- † Terminals on network.
- ‡ See Table A.
- § Connect to Y dial cord with D-161488 connector.

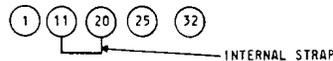
Fig. 1 - 565G Telephone Set

SECTION C70.202.05



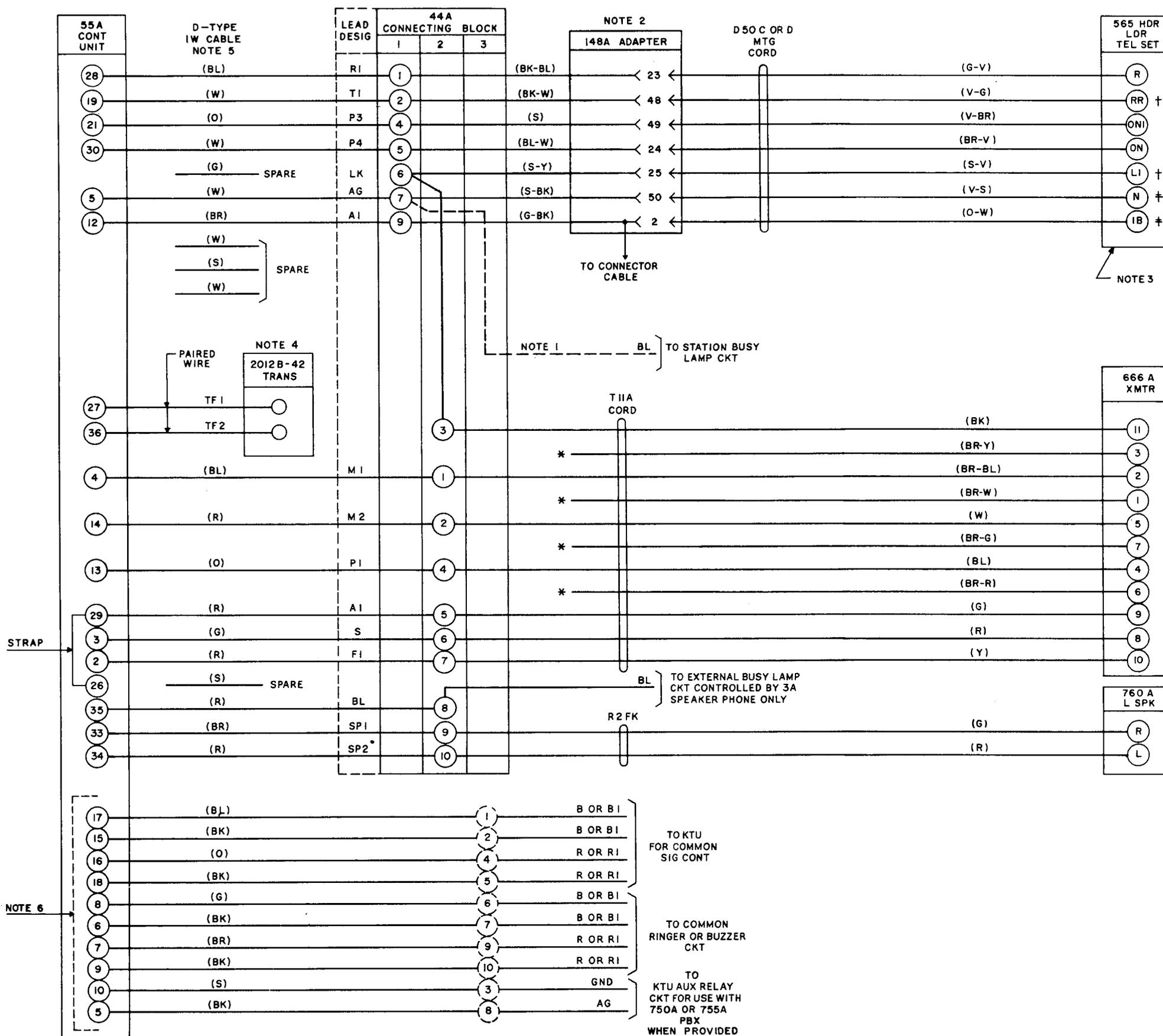
- Note 1:** For connections with and without station busy lamps, refer to Table A.
- Note 2:** Connect to 44A block No. 7 using IW cable, or connect directly to control unit as required.
- Note 3:** For telephone set connections, refer to appropriate C Section.
- Note 4:** Due to the lower voltage rating, the 2012A transformer should not be used to power the 55A control unit.
- Note 5:** Speakerphone leads need not be run in separate IW cable if length does not exceed 100 feet.

Spare terminals on control unit:



- * Place KS-19147, List 1 cord-tip insulator and store.
- † Terminals on network.
- ‡ See Table A.

Fig. 2 — 565H Telephone Set



Note 1: For connection with and without station busy lamp, refer to Table B.

Note 2: Use 148A adapter to extend speakerphone leads to connecting block for connecting to control unit.

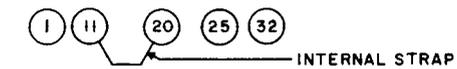
Note 3: For telephone set connections, refer to appropriate C Section.

Note 4: Due to the lower voltage rating, the 2012A transformer should never be used to power the 55A control unit.

Note 5: Speakerphone leads need not be run in separate IW cable if length does not exceed 100 feet. Adapter is not required if control unit is in same location as station key equipment.

Note 6: Connect to 44A connecting block using IW cable or connect direct to control unit as required.

Spare terminals on 55A control unit:

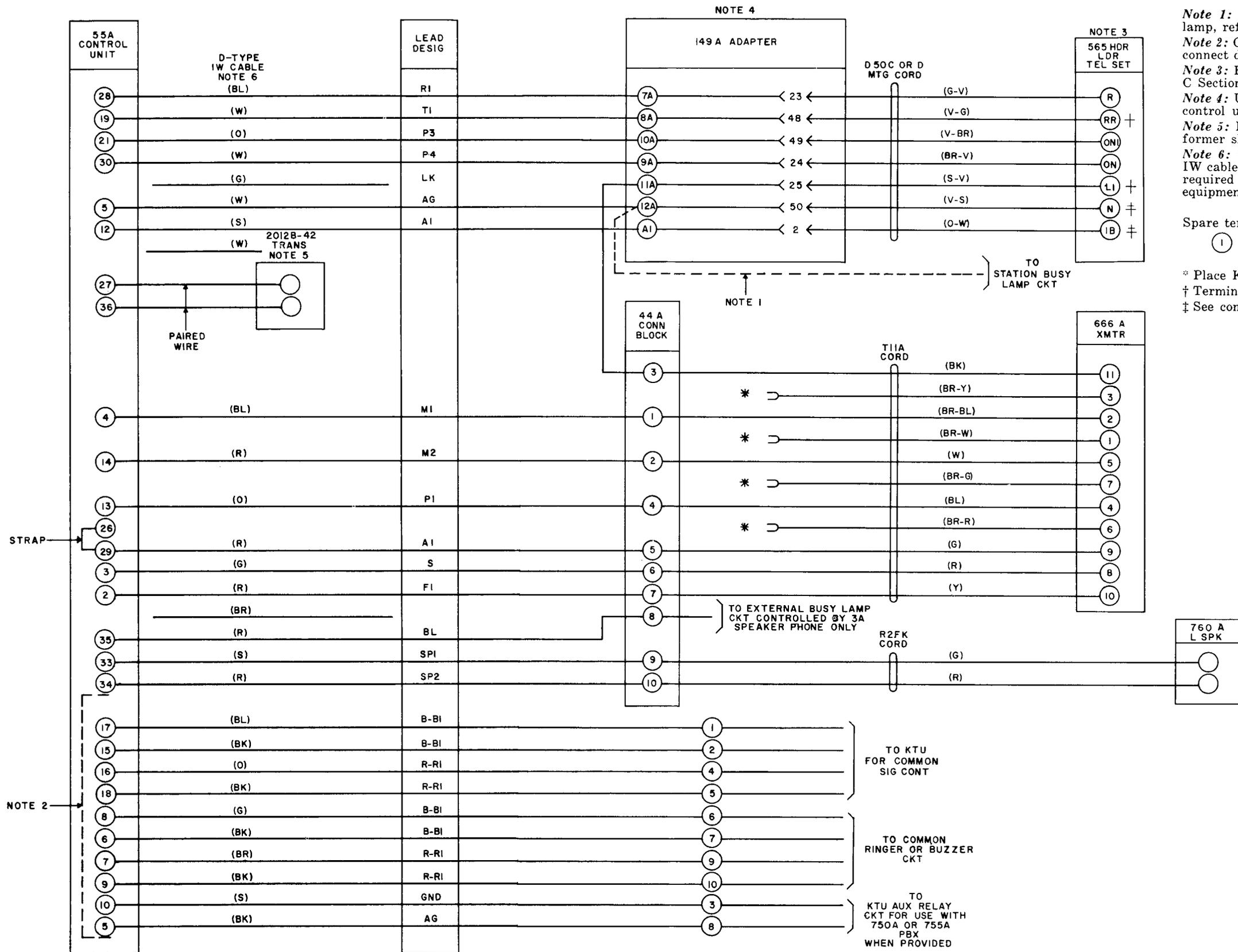


* Place KS-19147, List 1 cord-tip insulator and store.

† Terminals on network.

‡ See conversion table.

Fig. 3 — 565HD and 565LD Telephone Sets (Plug-Ended) Using 148A Adapter



Note 1: For connections with and without station busy lamp, refer to Table A.

Note 2: Connect to 44A connecting block using IW cable, or connect direct to control unit as required.

Note 3: For telephone set connections, refer to appropriate C Section.

Note 4: Use 149A adapter to extend speakerphone leads to control unit.

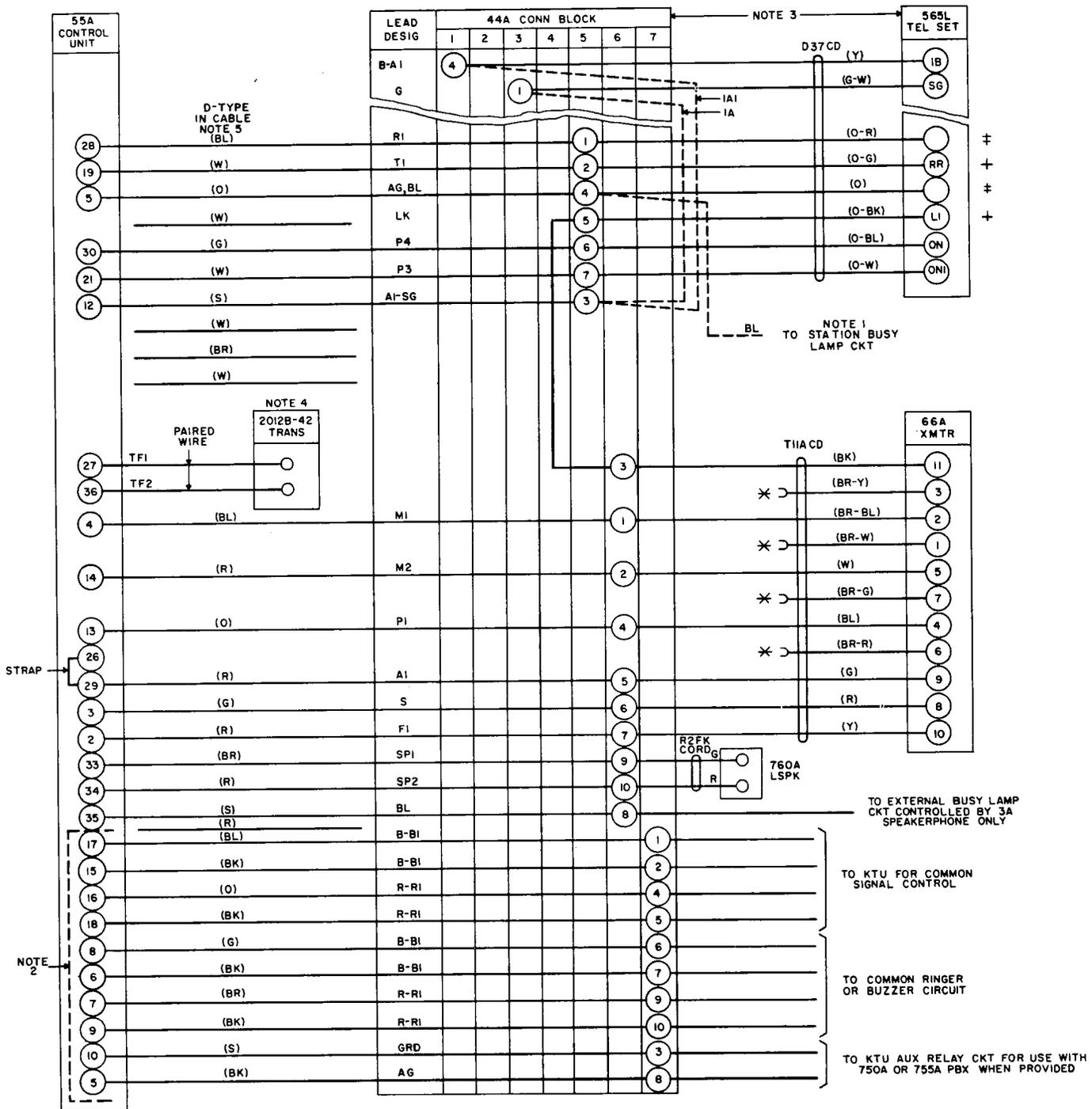
Note 5: Due to the lower voltage rating, the 2012A transformer should not be used to power the 55A control unit.

Note 6: Speakerphone leads need not be run in separate IW cable if length does not exceed 100 feet. Adapter is not required if control unit is in same location as station key equipment.

Spare terminals on 55 control unit:
 (1) (11) (20) (25) (32)
 INTERNAL STRAP
 * Place KS-19147, List 1 cord-tip insulator and store.
 † Terminals on network.
 ‡ See conversion table.

Fig. 4 — 565HD and 565LD Telephone Set (Plug-Ended) Using 149A Adapter

SECTION C70.202.05



Note 1: For connections with and without station busy lamp, refer to Table A.

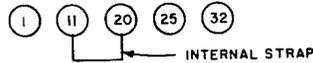
Note 2: Connect to 44 connecting block using IW cable, or connect direct to control unit as required.

Note 3: For telephone set connections, refer to appropriate C Section.

Note 4: Due to the lower voltage rating, the 2012A transformer should not be used to power the 55A control unit.

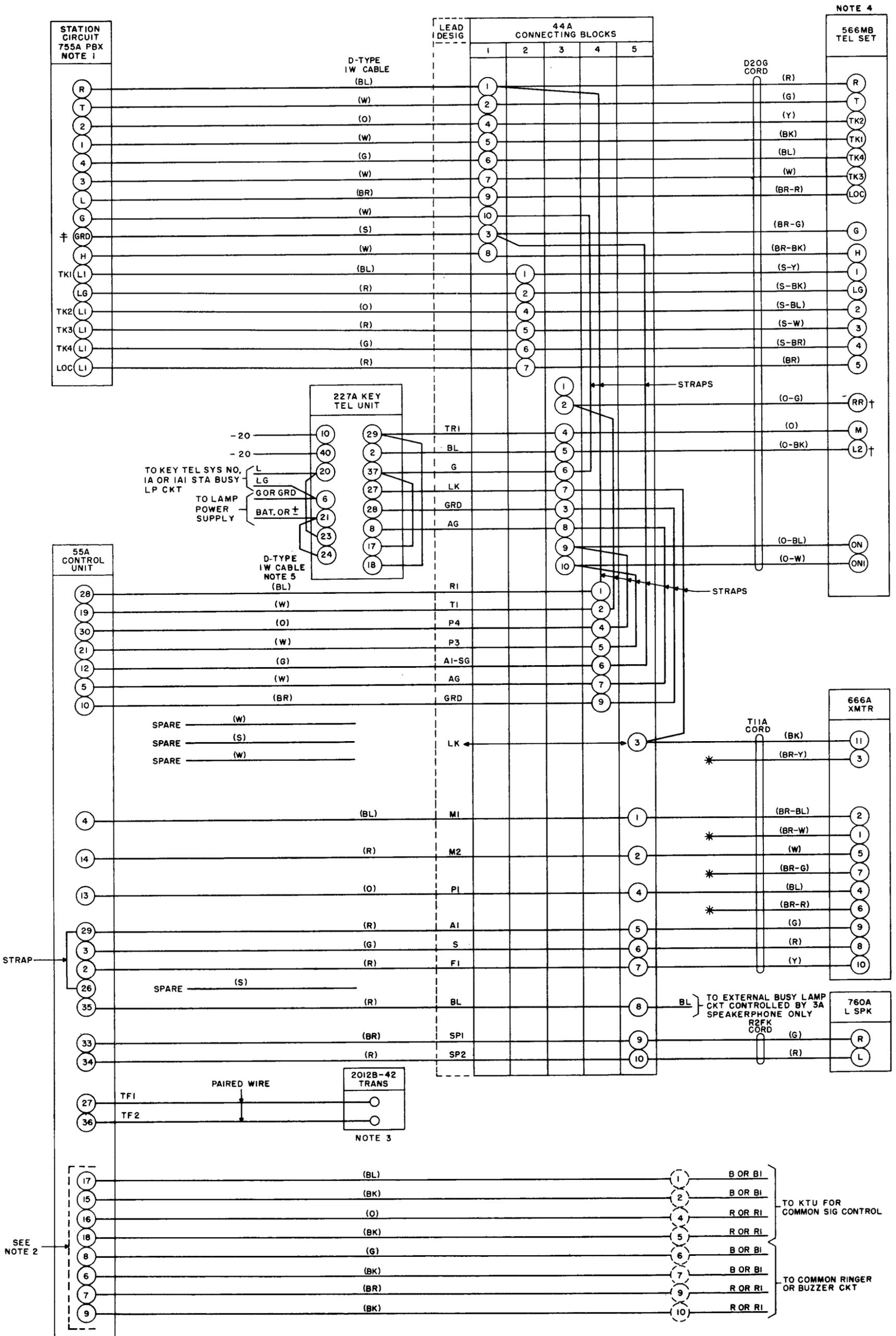
Note 5: Speakerphone leads need not be run in separate IW cable if length does not exceed 100 feet.

Spare terminals on control unit:



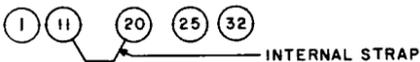
- * Place KS-19147, List 1 cord-tip insulator and store.
- † Terminals on network.
- ‡ See conversion Table A.

Fig. 5 - 565L Telephone Set



- Note 1:** For use with 750A dial PBX, see C Section entitled Telephone Sets Used with 750A and 755A Dial PBX, Connections.
- Note 2:** Connect to 44A block No. 6 using IW cable or connect direct to control unit using IW wire as required.
- Note 3:** Due to the lower voltage rating, the 2012A transformer should never be used to power the 55A control unit.
- Note 4:** For telephone set connections, refer to appropriate C Section.
- Note 5:** Speakerphone leads need not be run in separate IW cable if length does not exceed 100 feet.

Spare terminals on 55A control unit:



- * Place KS-19147, List 1 cord-tip insulator and store.
- † Terminals on network.
- ‡ Any available PBX ground.

Fig. 6 — 3A Speakerphone Connections, 566MB Telephone Set