

3A SPEAKERPHONE SYSTEM

CONNECTIONS

1.00 GENERAL

This section covers the connections between speakerphone components. Refer to Table A - Index for Speakerphone Components.

- For additional connection information, refer to SD-69403-01.
- For internal wiring of telephone sets, refer to the appropriate C Section.

TABLE A

INDEX FOR SPEAKERPHONE COMPONENTS

Telephone Set and Components	Fig.
Key Telephone Set Conversions	Table B
211N/P Telephone Set	1
500R/S Telephone Set	2
511C/D Telephone Set	3
558C/D Telephone Set	4
565G Telephone Set	5
565H Telephone Set	6
565L Telephone Set	7
566M/B Telephone Set	8
600A, 600B, 601A or 630, 631, and 632 Telephone Sets with 666A Transmitter Unit	9
600A, 600B, 601A or 630, 631, and 632 Telephone Sets with 667A Transmitter Unit	10
600C, 601C or 634 and 635 Telephone Sets with 667A Transmitter	11
711B Telephone Set	12
666A Transmitter Unit	13
55A Control Unit	14

TABLE B

## 1A AND 1A1 KEY TELEPHONE SET CONVERSIONS

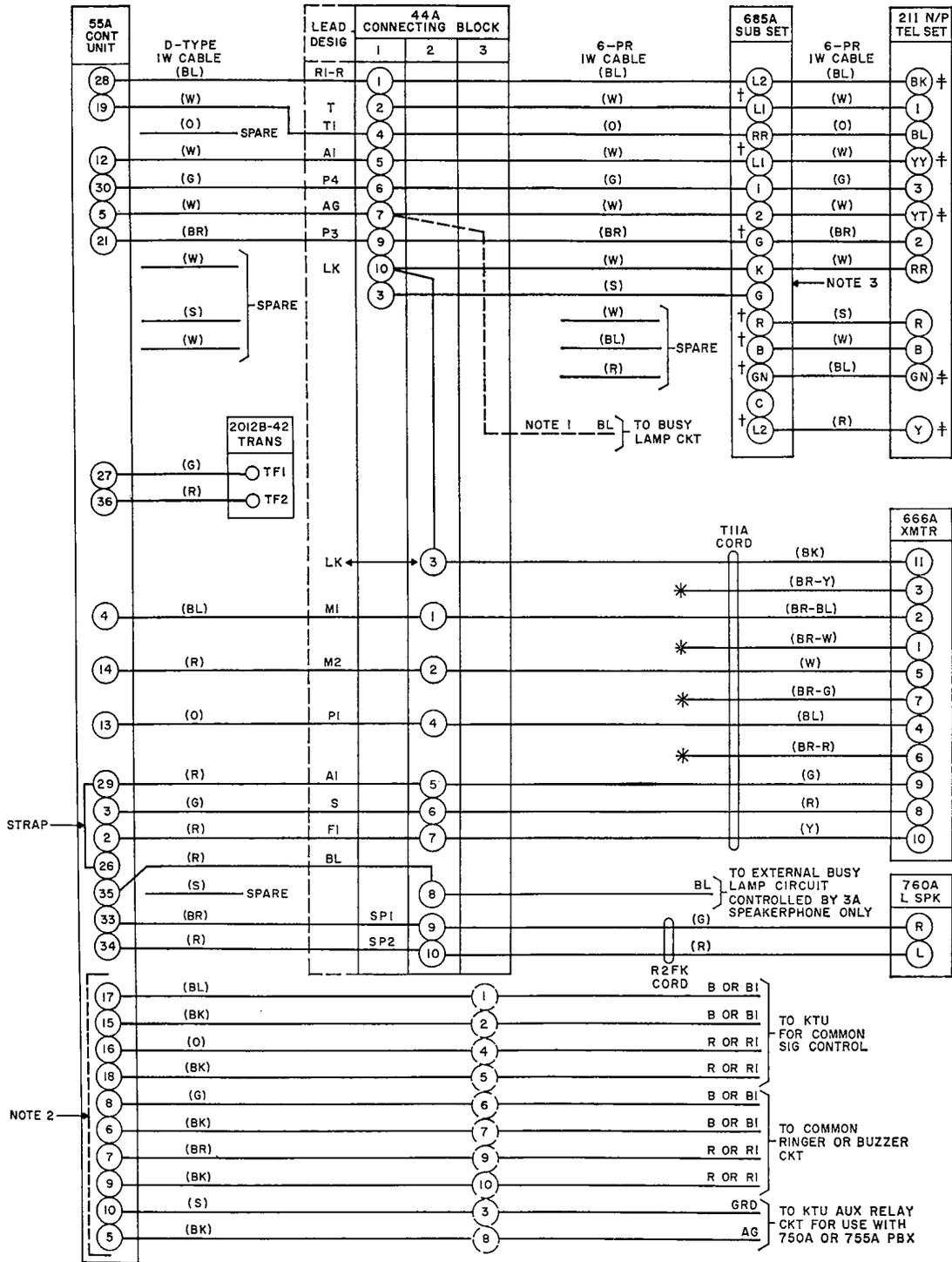
(With and Without Station Busy Lamps)

Tele- phone Set	Station Busy LP Circuit	Key Tel Sys	Switch			Hold Key		Dial Leads		Cord Conductors		MLW Cord
			S-W	S-G	S-Y	Y	Y-BK	Y	Y	O-R	O	
565HA 565HB 565LA 565LB	No	1A	SG	L2*	N	R	M	ON	ONL	N	†	
		1A1	1B	N	R	M	N	ON	ONL	R	N	
	Yes	1A	SG	L2*	N	R	M	ON	ONL	N	L2*	
		1A1	1B	L2*	R	M	N	ON	ONL	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*

\* On network.

† Tape and store.

‡ Terminal not provided - connect to O-W conductor of mounting cord with D161488 connector, or equivalent.



NOTE 1: WHEN STATION BUSY LAMP FEATURE IS REQUIRED, CONNECT BL LEAD TO AG LEAD AT CONNECTING BLOCK. USE ONE STATION BUSY LAMP CONTROL UNIT FOR EACH TELEPHONE SET AND 55A UNIT.

NOTE 2: CONNECT TO 44A BLOCK NO. 3 USING IW CABLE OR CONNECT DIRECT TO CONTROL UNIT WITH INSIDE WIRE AS REQUIRED.

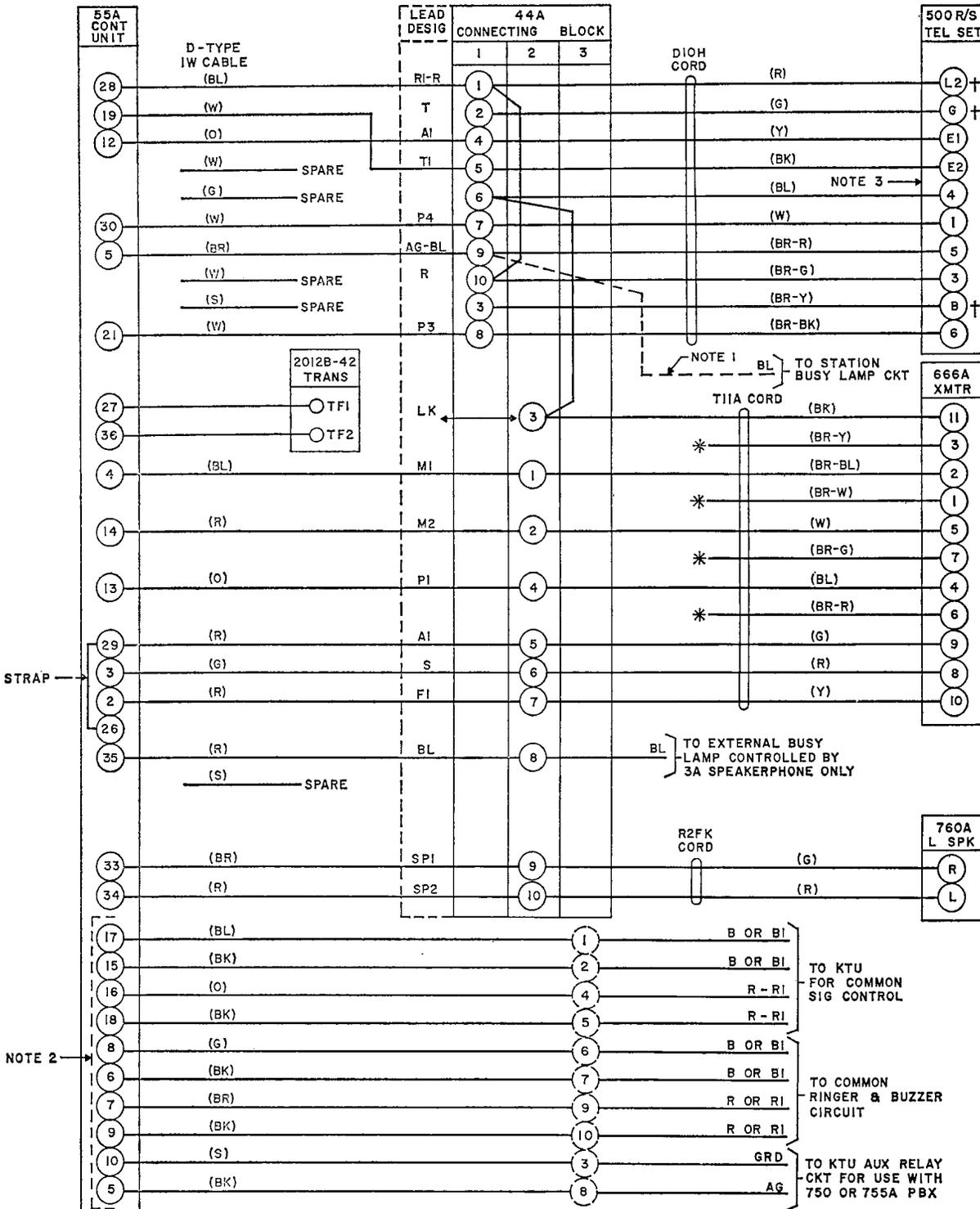
NOTE 3: FOR TELEPHONE SET CONNECTIONS, REFER TO THE APPROPRIATE C SECTION.

\* TAPE AND STORE.

† TERMINALS ON NETWORK.

‡ TERMINALS ON SWITCHHOOK.

Fig. 1 - 211N/P Telephone Set



NOTE 1: WHEN STATION BUSY LAMP FEATURE IS REQUIRED, CONNECT BL LEAD TO AG LEAD AT CONNECTING BLOCK. USE ONE STATION BUSY LAMP CONTROL UNIT FOR EACH TELEPHONE SET AND 55A UNIT.

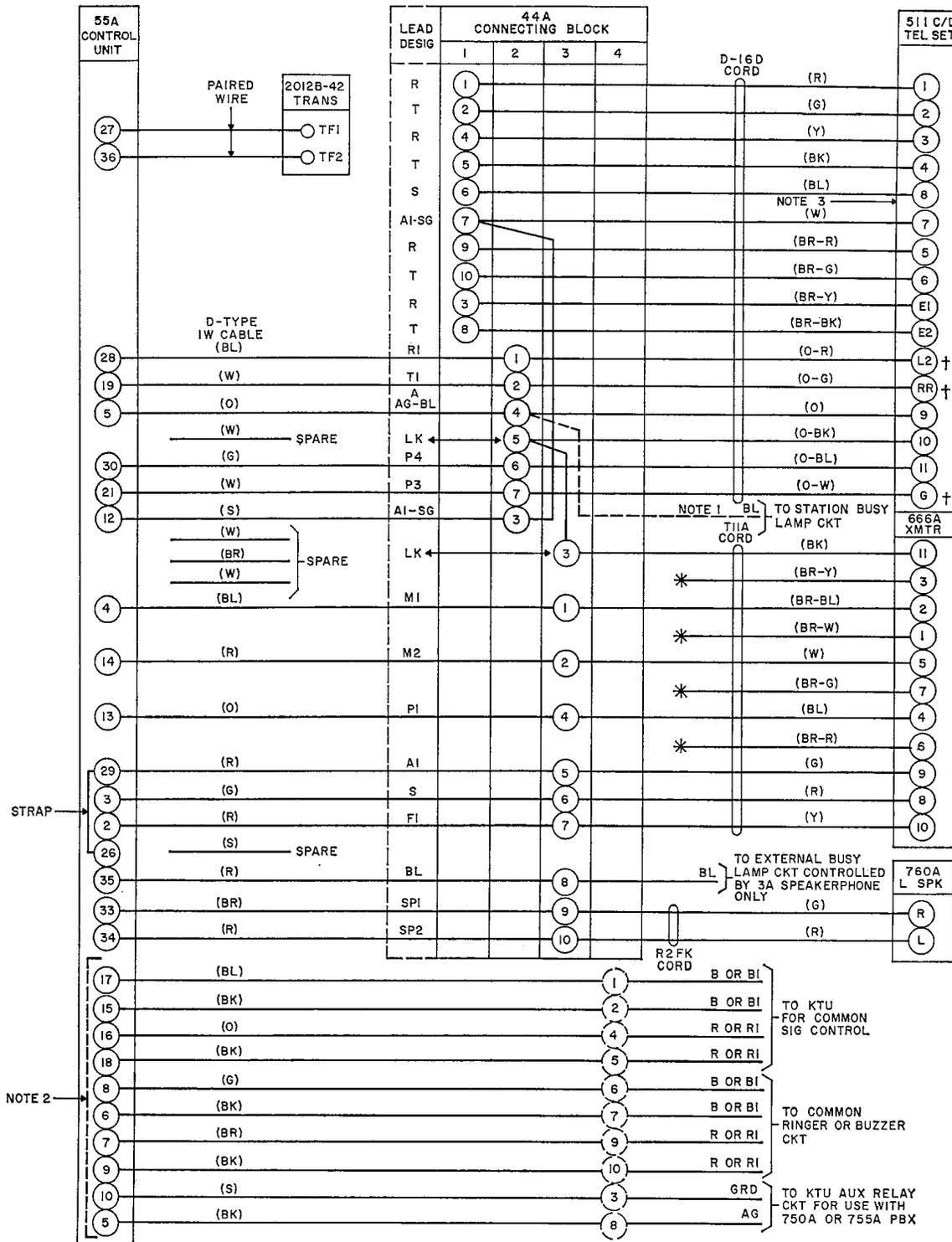
NOTE 2: CONNECT TO 44A BLOCK NO. 3 USING IW CABLE OR CONNECT DIRECT TO CONTROL UNIT USING INSIDE WIRE AS REQUIRED.

NOTE 3: FOR TELEPHONE SET CONNECTIONS, REFER TO THE APPROPRIATE C SECTION.

\* TAPE AND STORE.

+ TERMINALS ON NETWORK.

Fig. 2 - 500R/S Telephone Set



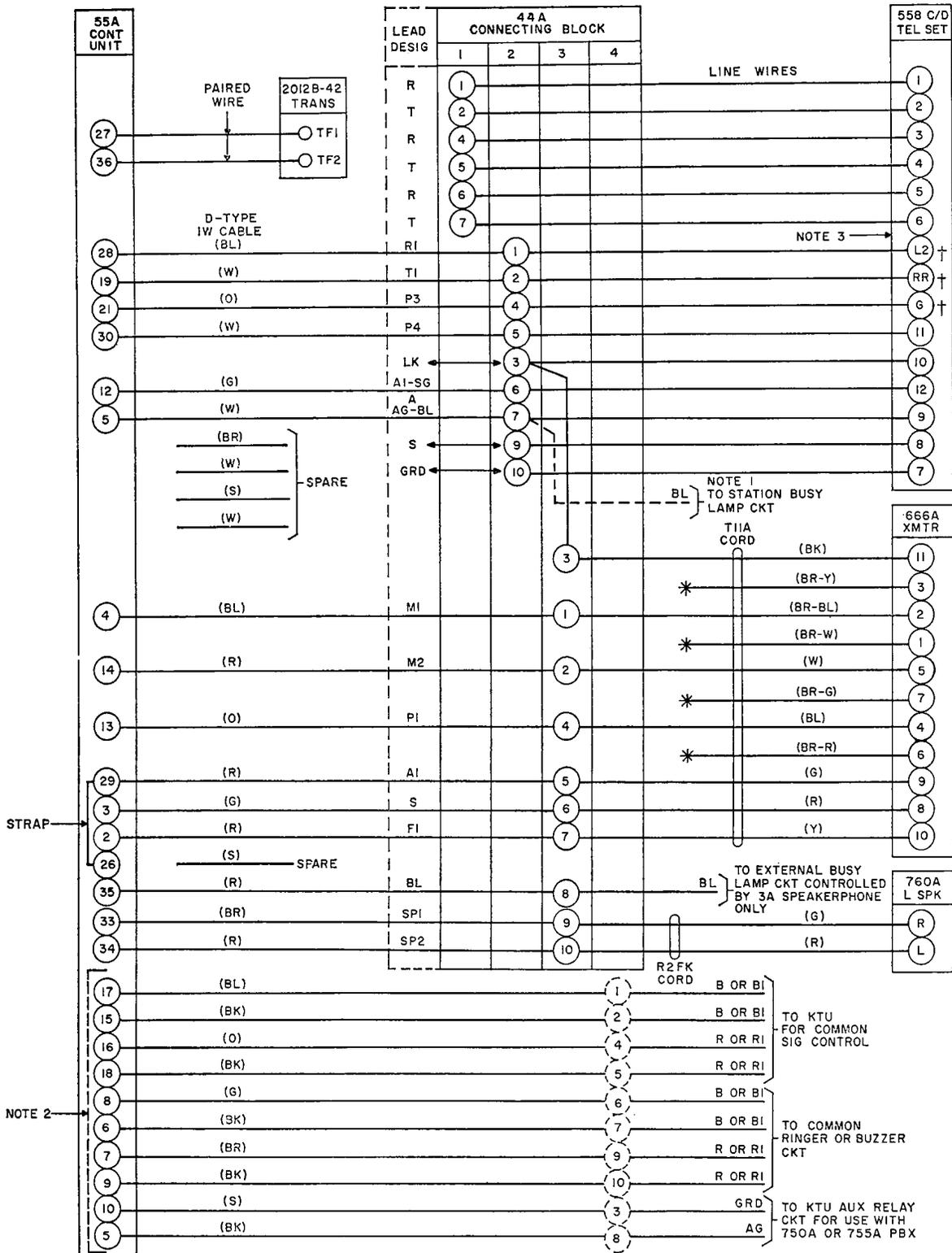
NOTE 1: WHEN STATION BUSY LAMP FEATURE IS REQUIRED CONNECT BL LEAD TO AG LEAD AT CONNECTING BLOCK. USE ONE STATION BUSY LAMP CONTROL UNIT FOR EACH TELEPHONE SET AND 55A UNIT.

NOTE 2: CONNECT TO 44A BLOCK NO. 4 USING IW CABLE OR CONNECT DIRECT TO CONTROL UNIT USING INSIDE WIRE AS REQUIRED.

NOTE 3: FOR TELEPHONE SET CONNECTIONS, REFER TO APPROPRIATE C SECTION.

\* TAPE AND STORE.  
 † TERMINALS ON NETWORK.

Fig. 3 - 511C/D Telephone Set.



NOTE 1: WHEN STATION BUSY LAMP FEATURE IS REQUIRED, CONNECT BL LEAD TO AG LEAD AT CONNECTING BLOCK. USE ONE STATION BUSY LAMP CONTROL UNIT FOR EACH TELEPHONE SET AND 55A UNIT.

NOTE 2: CONNECT TO 44A BLOCK NO. 4 USING IW CABLE OR CONNECT DIRECT TO CONTROL UNIT USING INSIDE WIRE AS REQUIRED.

NOTE 3: FOR TELEPHONE SET CONNECTIONS, REFER TO APPROPRIATE C SECTION.

\* TAPE AND STORE.

† TERMINALS ON NETWORK.

Fig. 4 - 558C/D Telephone Set







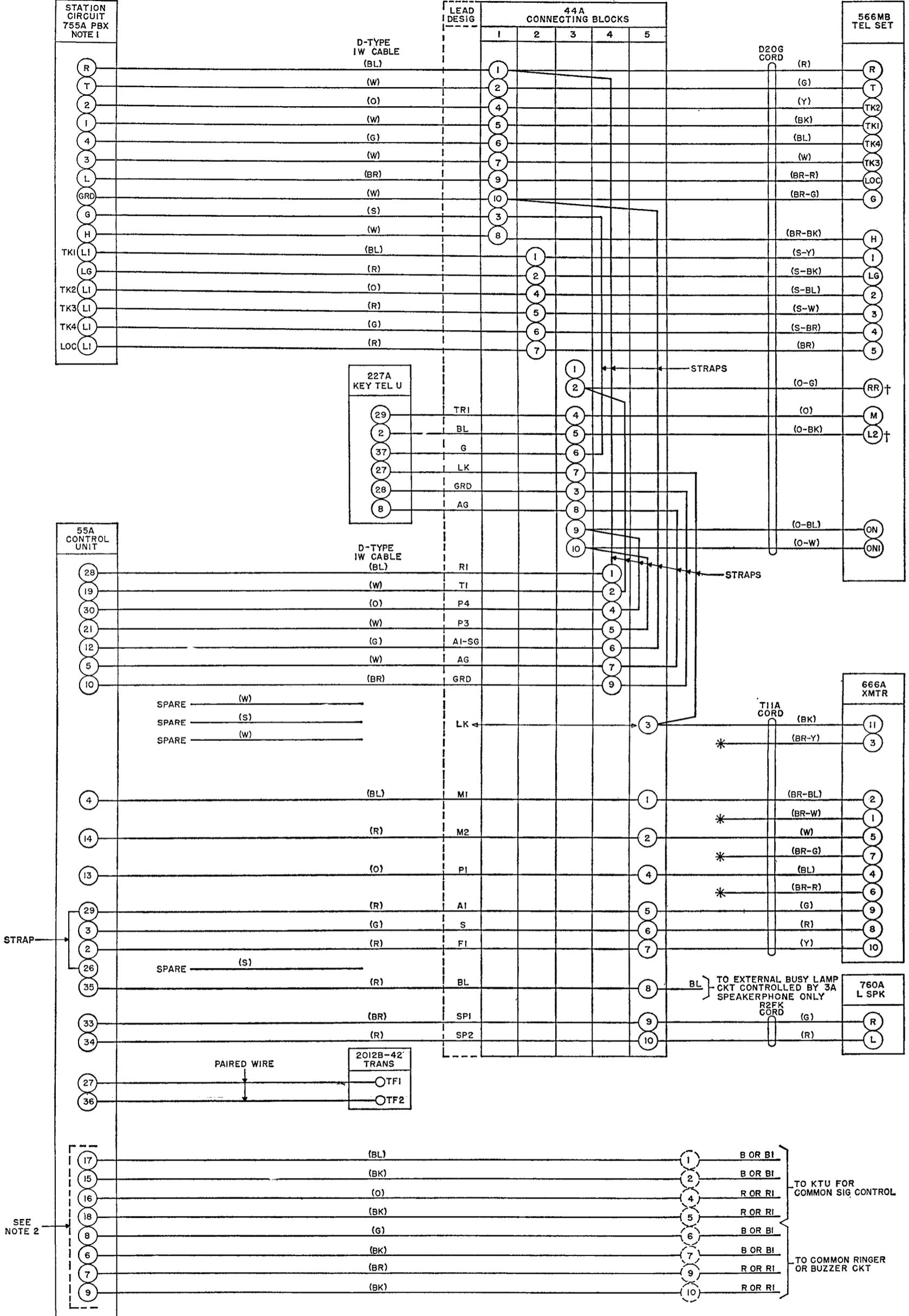
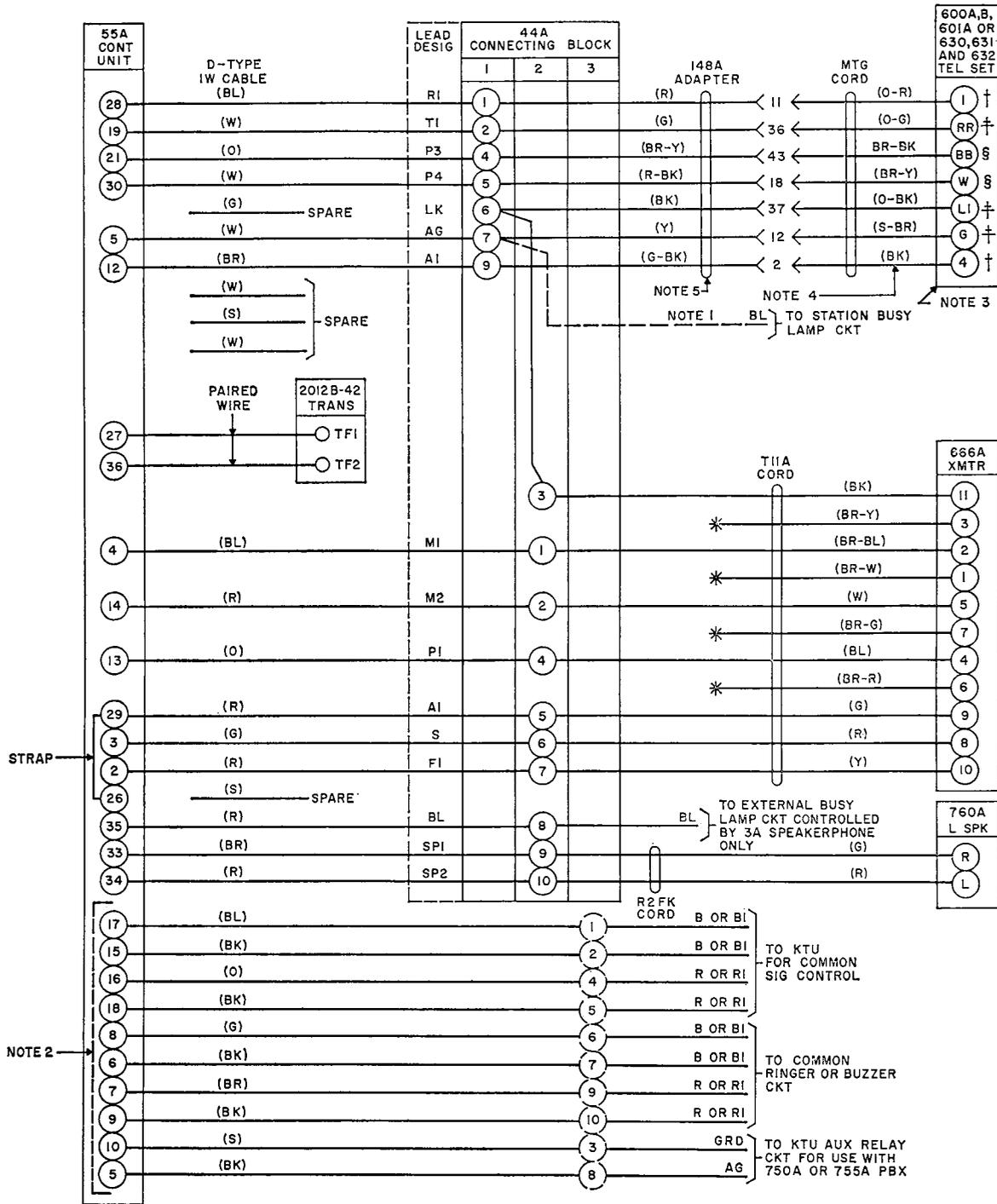


Fig. 8 - 566M/B Telephone Set

SEE NOTE 2

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 1W CABLE OR CONNECT DIRECT TO CONTROL UNIT USING 1W WIRE AS REQUIRED.  
 \* TAPE AND STORE.  
 † TERMINALS ON NETWORK.



NOTE 1: WHEN STATION BUSY LAMP FEATURE IS REQUIRED, CONNECT BL LEAD TO AG LEAD AT CONNECTING BLOCK. USE ONE STATION BUSY LAMP CONTROL UNIT FOR EACH TELEPHONE SET AND 55A CONTROL UNIT.

NOTE 2: CONNECT TO 44A BLOCK NO. 3 USING IW CABLE, OR CONNECT DIRECT TO CONTROL UNIT USING INSIDE WIRE AS REQUIRED.

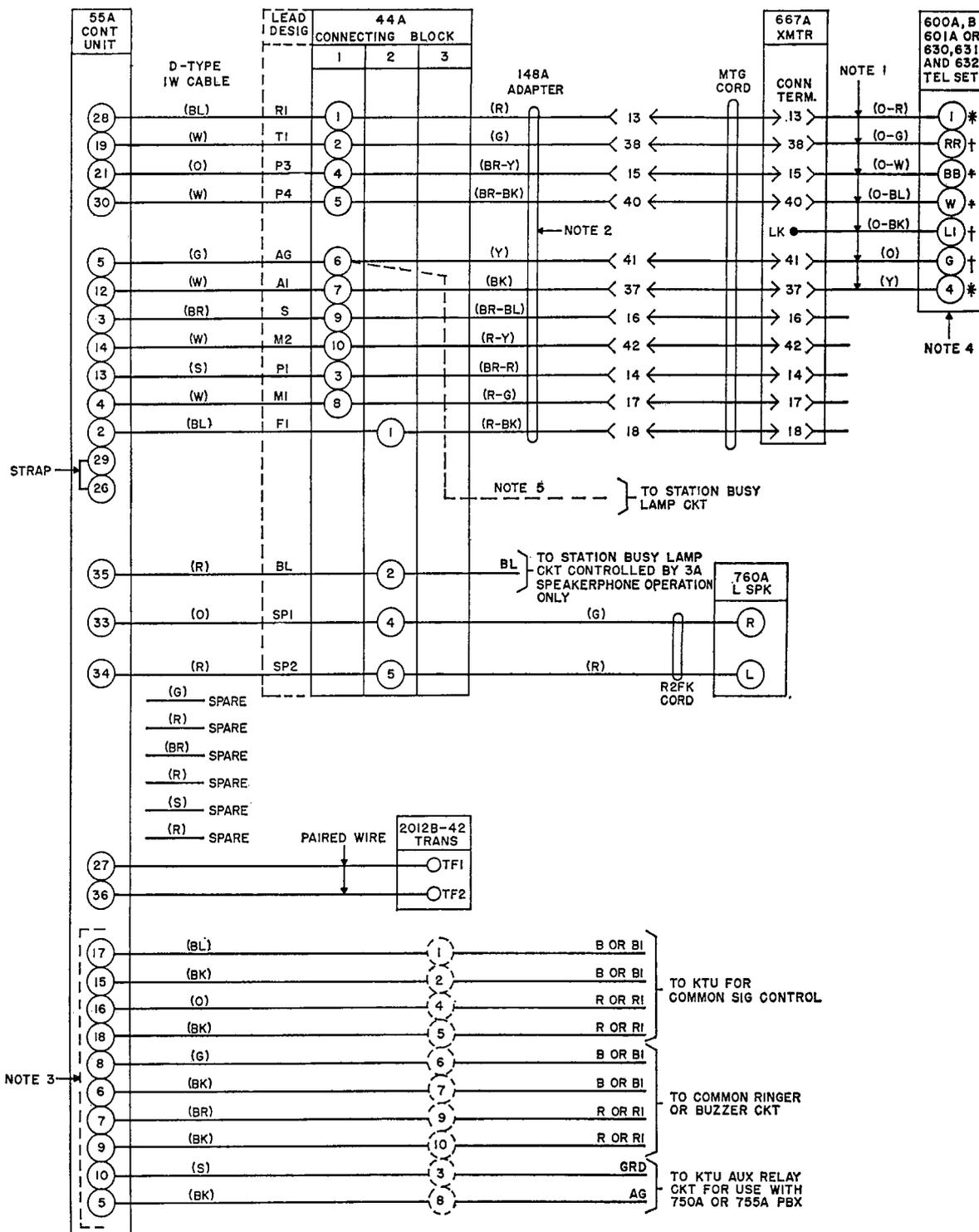
NOTE 3: FOR TELEPHONE SET CONNECTIONS REFER TO APPROPRIATE C SECTION.

NOTE 4: LEADS ARE STORED IN FIRST MODULE POSITION OF TELEPHONE SET.

NOTE 5: USE I48A ADAPTER TO EXTEND MOUNTING CORD LEADS TO A CONNECTING BLOCK FOR CONNECTING TO CONTROL UNIT.

- \* TAPE AND STORE,
- † TERMINALS ON RINGER TERMINAL STRIP.
- ‡ TERMINALS ON NETWORK.
- § TERMINALS ON DIAL.

Fig. 9 - 600A, 600B, 601A or 630, 631, and 632 Telephone Sets with 666A Transmitter Unit



NOTE 1: LEADS ARE SPADE TIPPED AND OF SUFFICIENT LENGTH TO REACH NETWORK OR DIAL TERMINALS. WHEN TRANSMITTER IS IN LAST MODULE POSITION OF TELEPHONE SET.

NOTE 2: USE 148A ADAPTER TO EXTEND TRANSMITTER LEADS TO CONNECTING BLOCK FOR CONNECTING TO CONTROL UNIT.

NOTE 3: CONNECT TO 44A BLOCK NO. 3 USING IW CABLE OR CONNECT TO CONTROL UNIT USING INSIDE WIRE AS REQUIRED.

NOTE 4: FOR TELEPHONE SET CONNECTIONS REFER TO APPROPRIATE C SECTION.

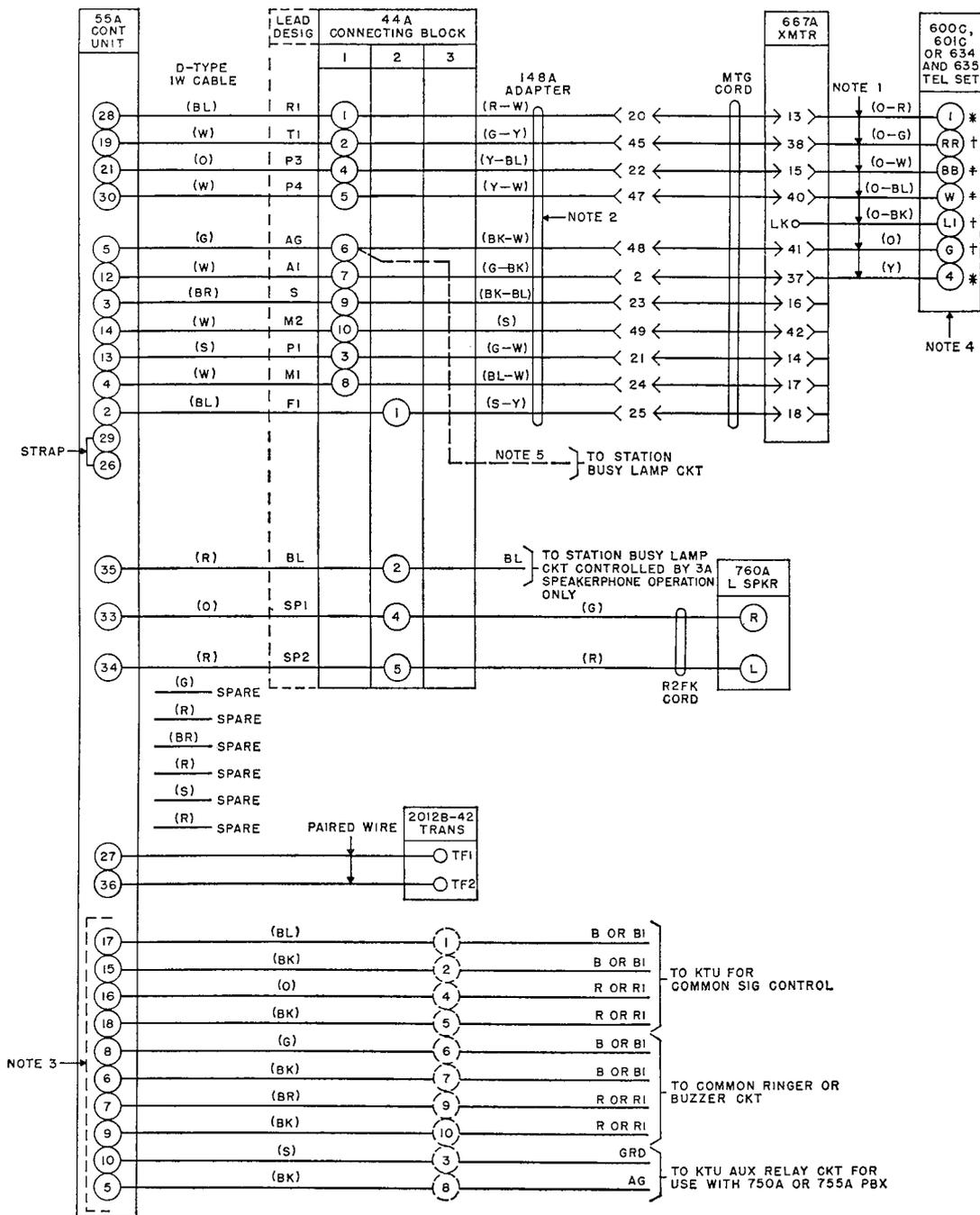
NOTE 5: WHEN BUSY LAMP FEATURE IS REQUIRED, CONNECT BL LEAD TO AG LEAD AT CONNECTION BLOCK.

\* TERMINALS ON RINGER TERMINAL STRIP.

† TERMINALS ON NETWORK.

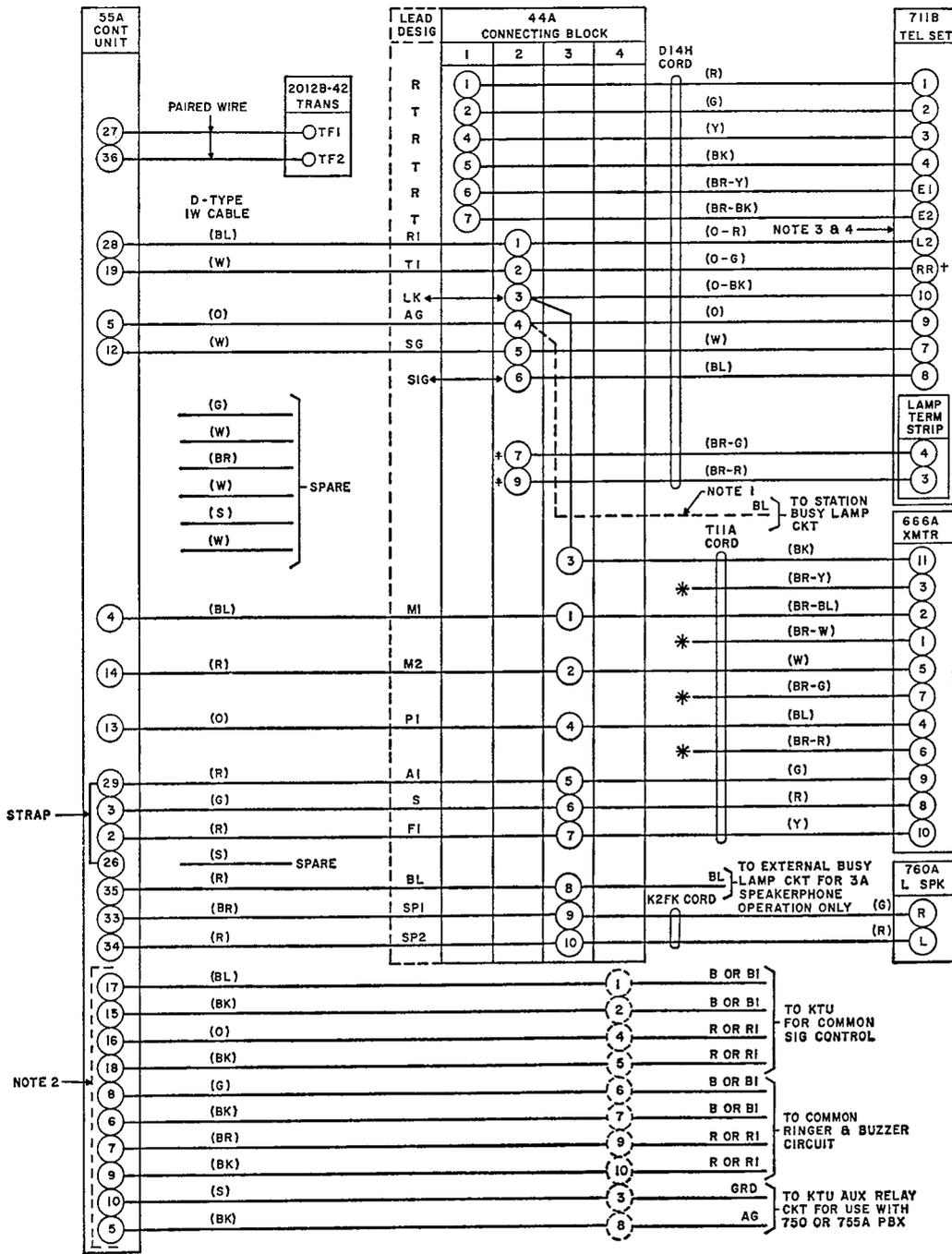
‡ TERMINALS ON DIAL.

Fig. 10 - 600A, 600B, 601A or 630, 631, and 632 Telephone Sets with 667A Transmitter Unit



- NOTE 1: LEADS ARE SPADE TIPPED AND OF SUFFICIENT LENGTH TO REACH NETWORK OR DIAL TERMINAL WHEN TRANSMITTER IS IN LAST MODULE POSITION OF TELEPHONE SET.
- NOTE 2: USE 148A ADAPTER TO EXTEND TRANSMITTER LEADS TO CONNECTING BLOCK FOR CONNECTING TO CONTROL UNIT.
- NOTE 3: CONNECT TO 44A BLOCK NO. 3 USING IW CABLE OR CONNECT DIRECT TO CONTROL UNIT USING INSIDE WIRE AS REQUIRED.
- NOTE 4: FOR TELEPHONE SET CONNECTIONS, REFER TO APPROPRIATE C SECTION.
- NOTE 5: WHEN STATION BUSY LAMP FEATURE IS REQUIRED, CONNECT BL LEAD TO AG LEAD AT CONNECTING BLOCK.
- \* TERMINALS ON RINGER TERMINAL STRIP.
  - † TERMINALS ON NETWORK.
  - ‡ TERMINALS ON DIAL.

Fig. 11 - 600C, 601C or 634 and 635 Telephone Sets with 667A Transmitter



NOTE 1: WHEN STATION BUSY LAMP FEATURE IS REQUIRED, CONNECT BL LEAD TO AG LEAD AT CONNECTING BLOCK. USE ONE BUSY LAMP CONTROL UNIT FOR EACH TELEPHONE SET AND 55A CONTROL UNIT.

NOTE 2: CONNECT TO 44A BLOCK NO. 4 USING IW CABLE OR CONNECT DIRECT TO CONTROL UNIT USING INSIDE WIRE AS REQUIRED.

NOTE 3: FOR TELEPHONE SET CONNECTIONS, REFER TO APPROPRIATE C SECTION.

NOTE 4: OUTGOING CALLS ARE MADE WITH THE HANDSET OFF HOOK AND TRANSFERRED TO SPEAKERPHONE. TO TRANSFER THE "ON" BUTTON OF THE 666A TRANSMITTER IS DEPRESSED AND HELD DOWN UNTIL THE HANDSET IS RETURNED TO THE CRADLE.

\* TAPE AND STORE.  
 † TERMINALS ON NETWORK.  
 ‡ TRANSFORMER LEADS FOR NITE-LITE FEATURE.

Fig. 12 - 711B Telephone Set

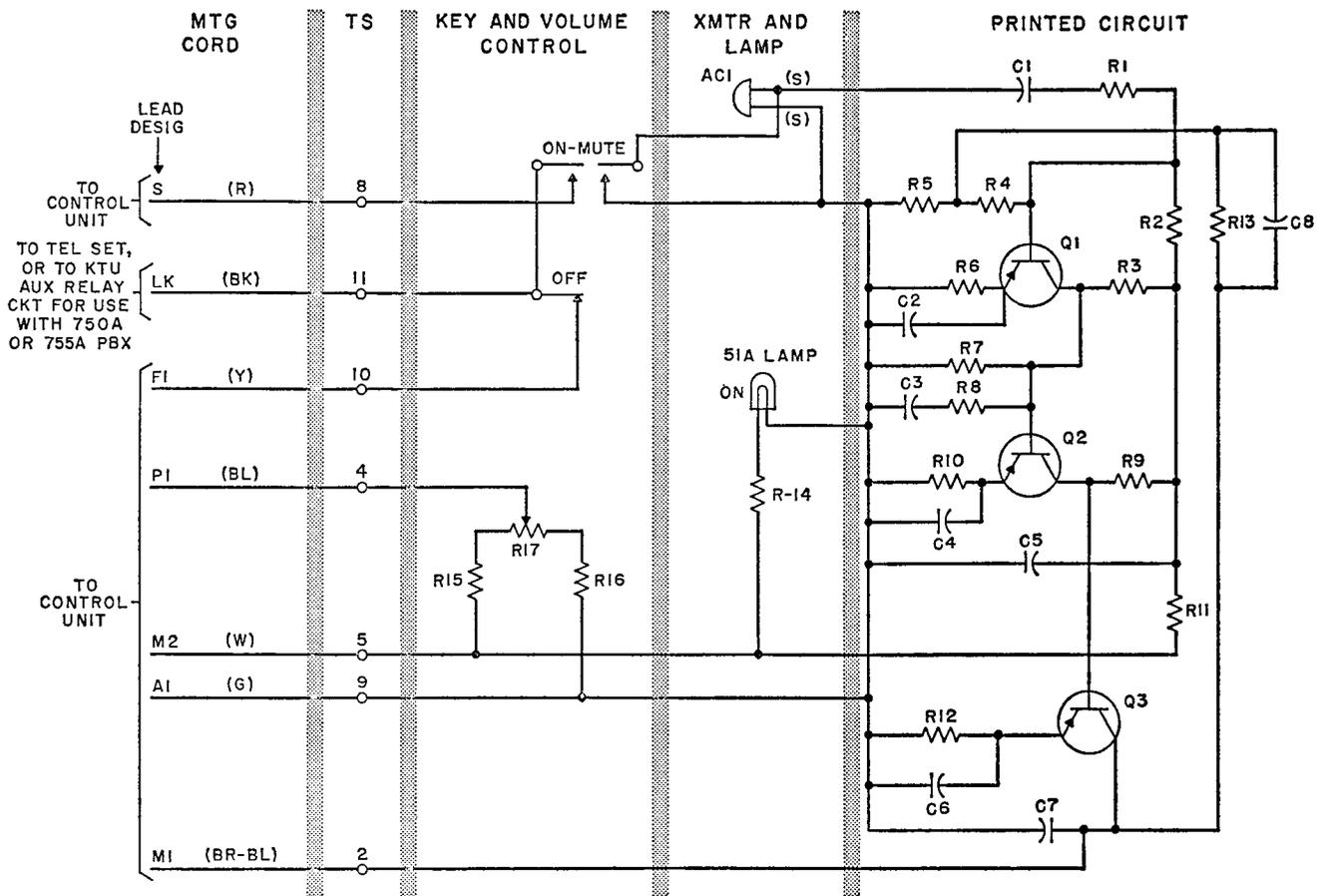


Fig. 13 - 666A Transmitter Unit

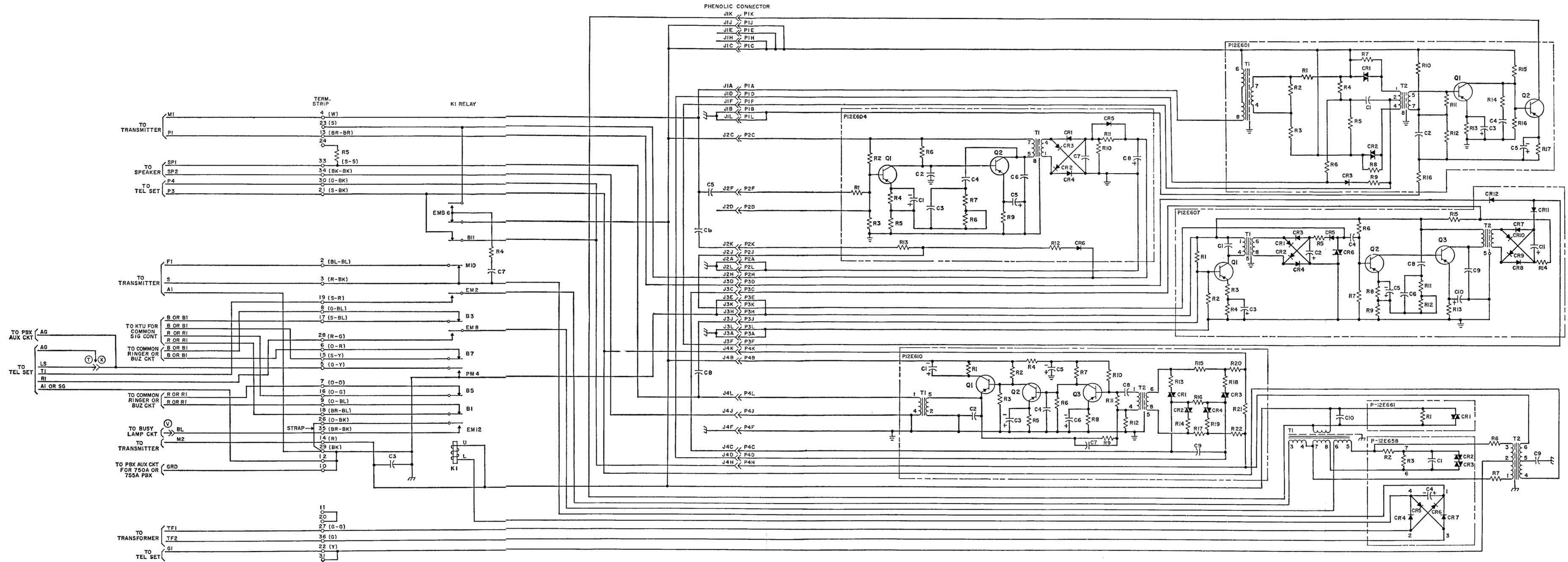


Fig. 14 - 55A Control Unit