

NOTES

WIRING LEGEND:

1 DISTANT TERMINATING AREA
 2 DISTANT TERMINAL DESIGNATION
 3 WIRE COLOR CODE

COLOR CODE:

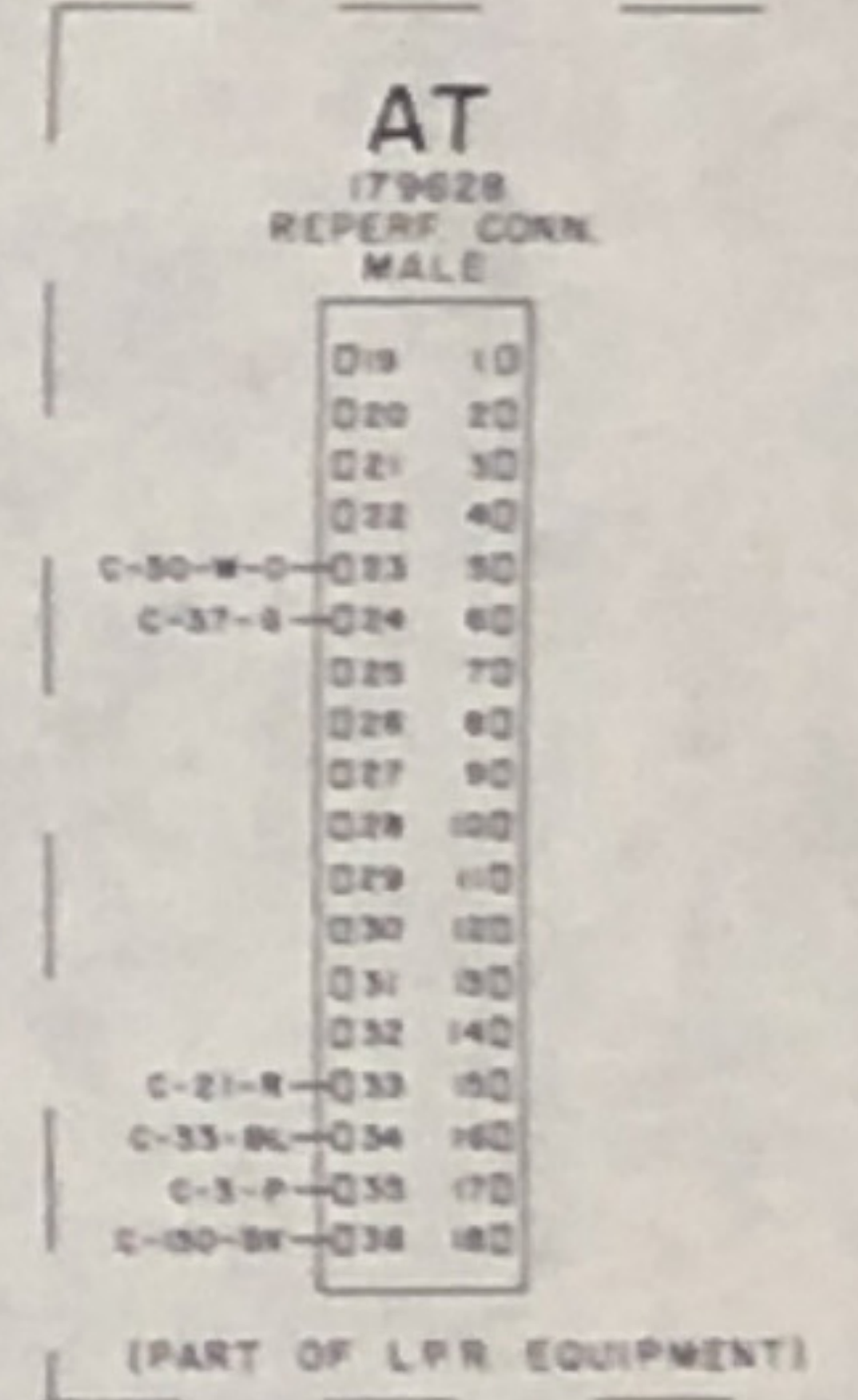
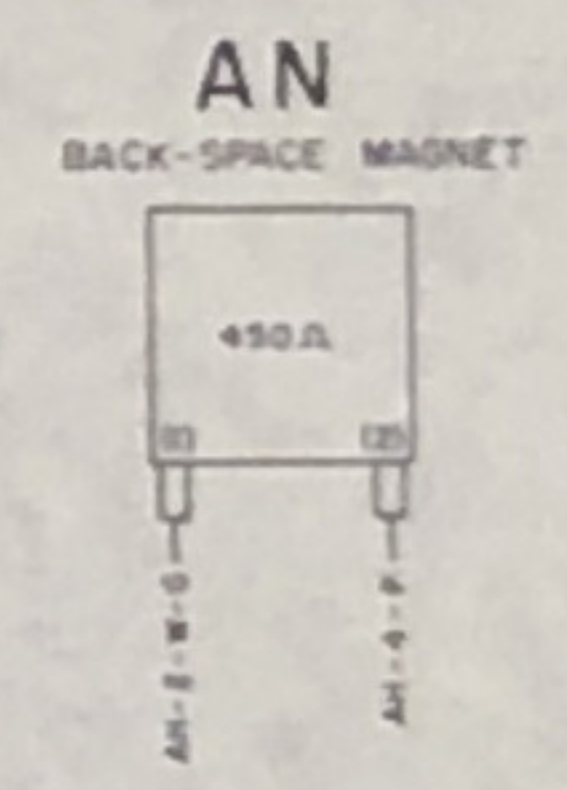
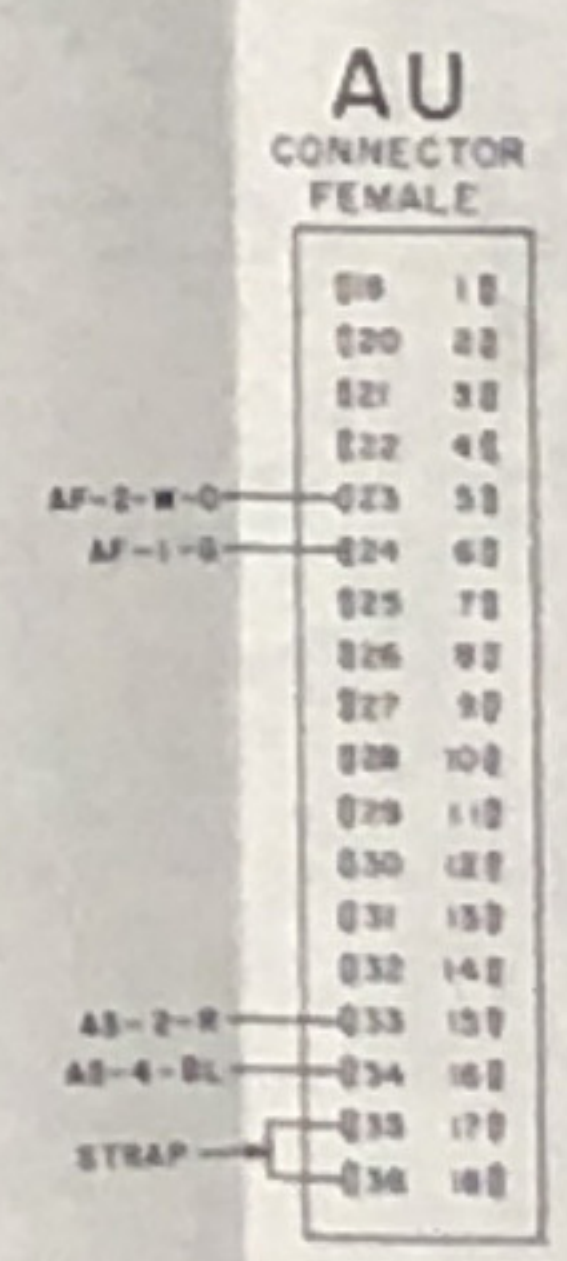
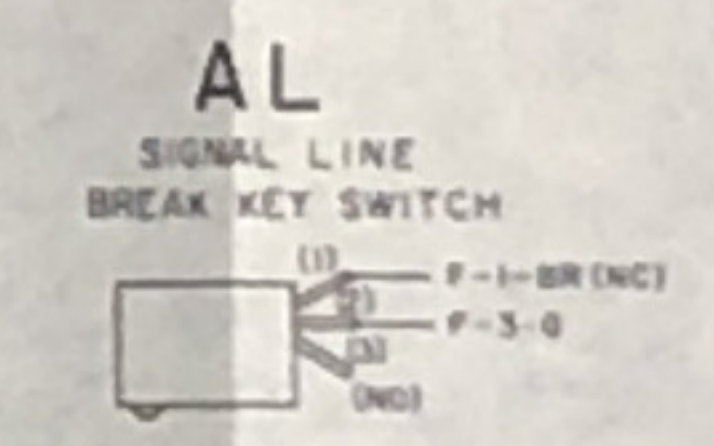
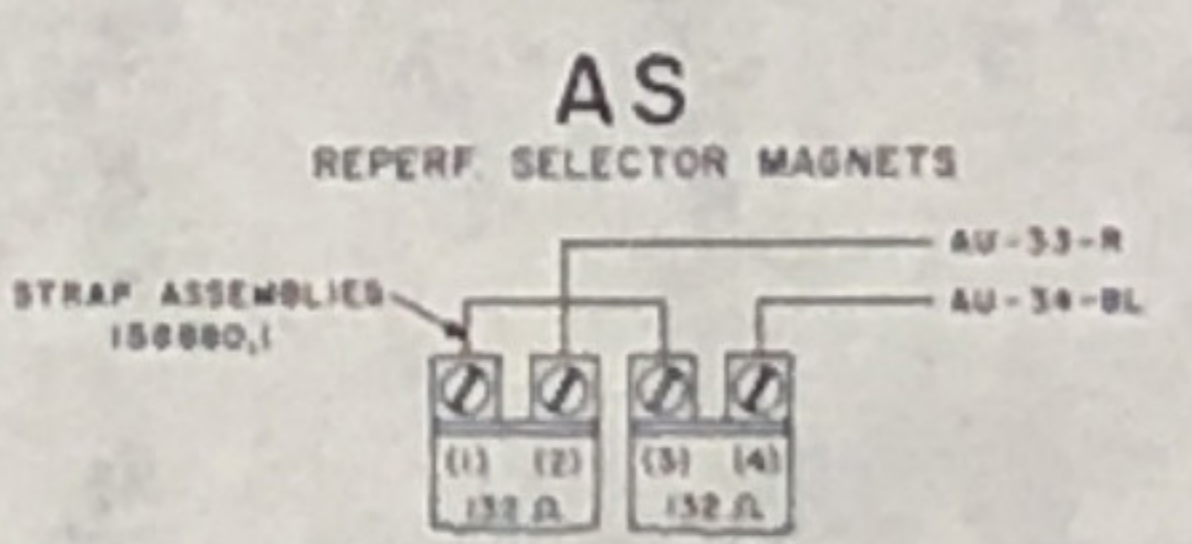
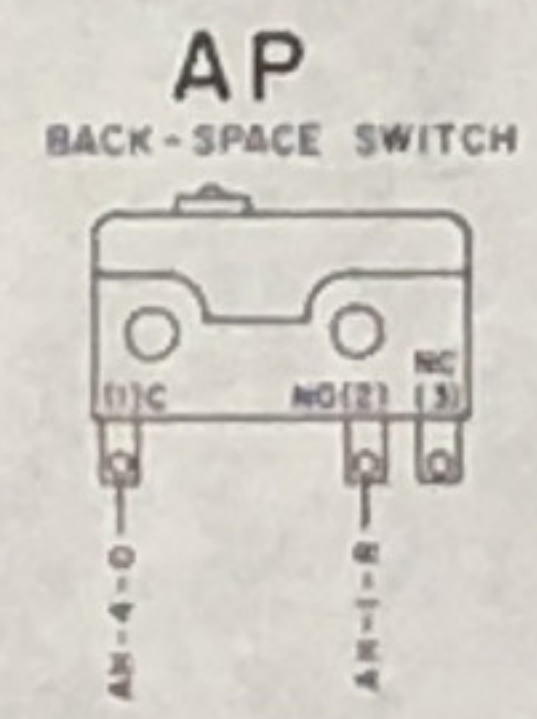
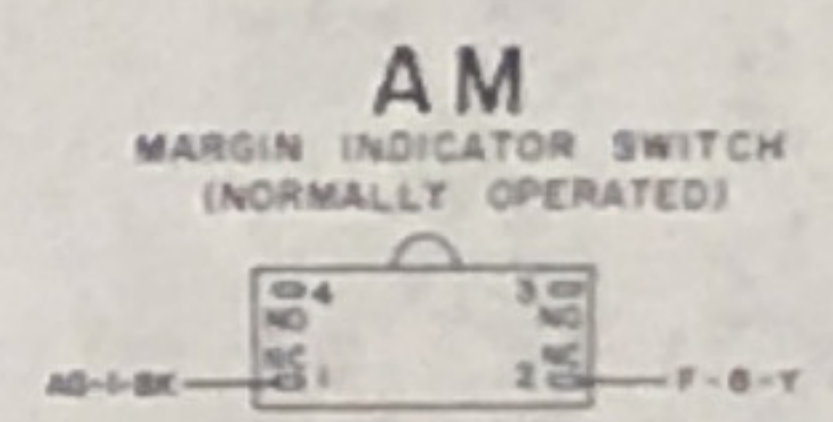
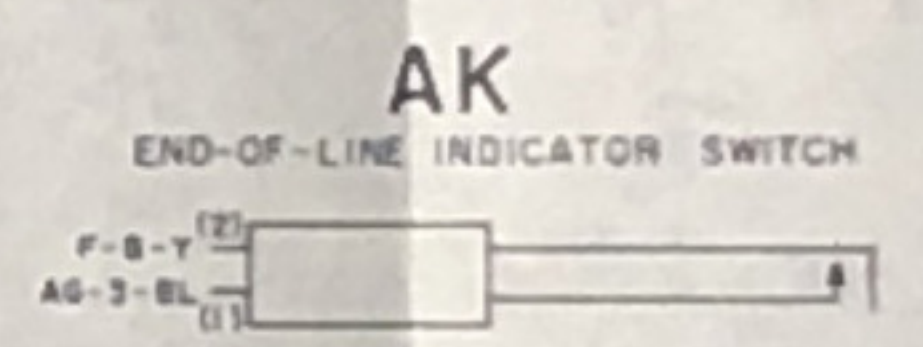
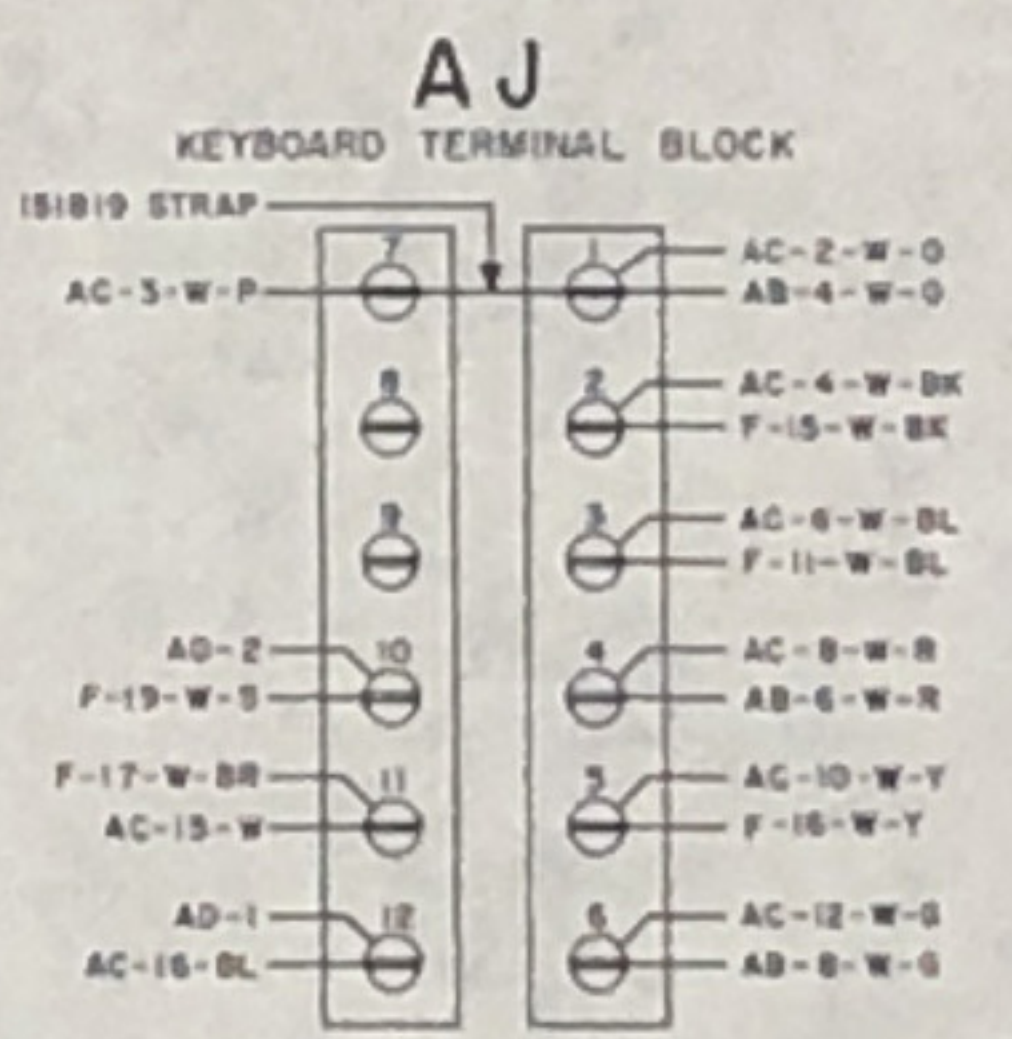
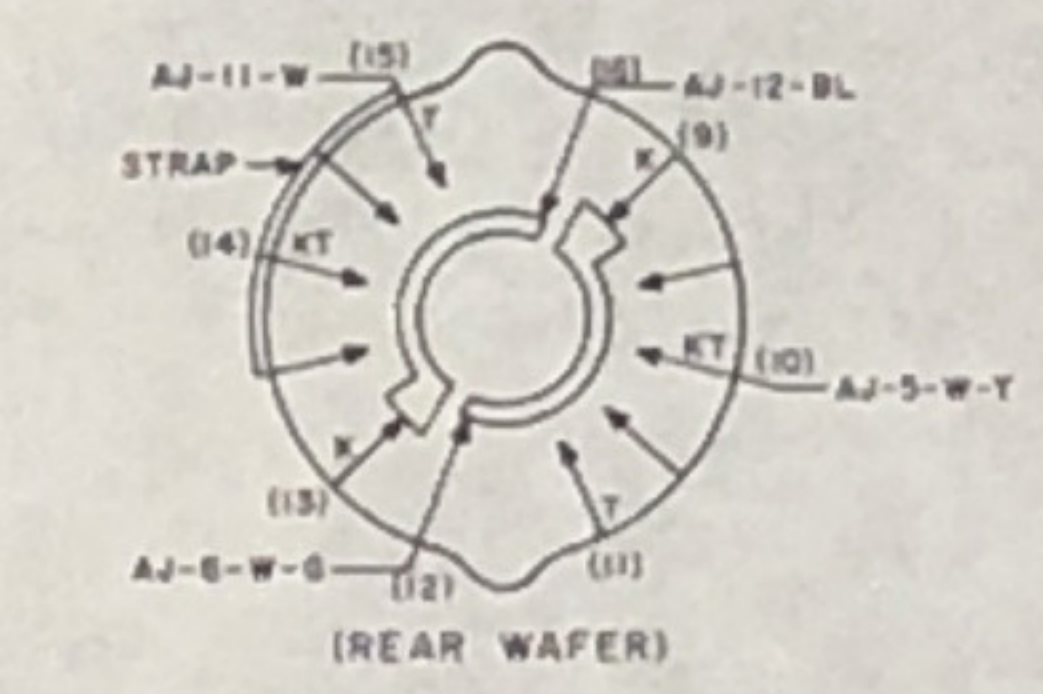
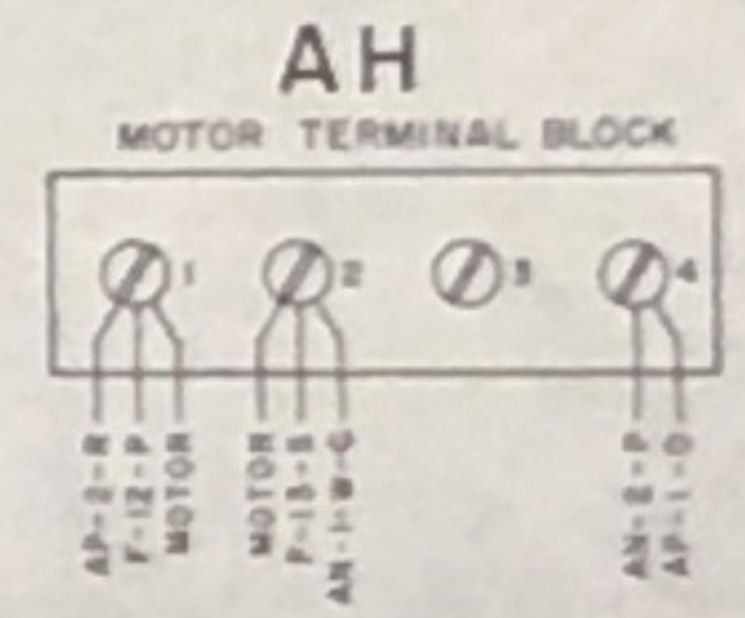
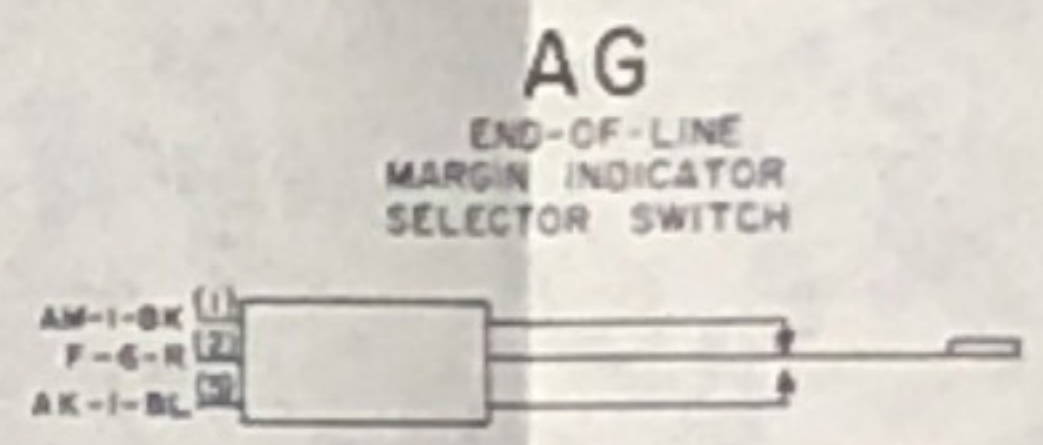
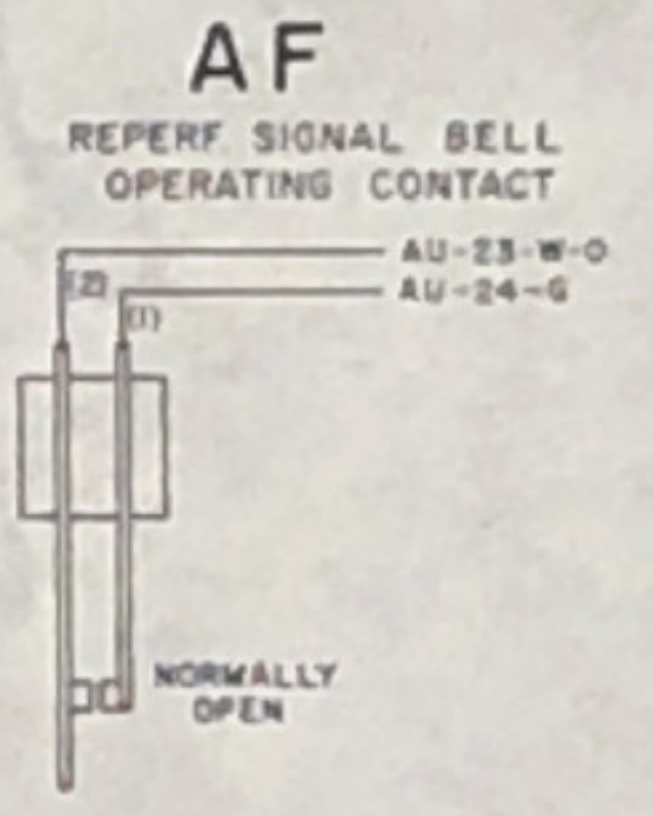
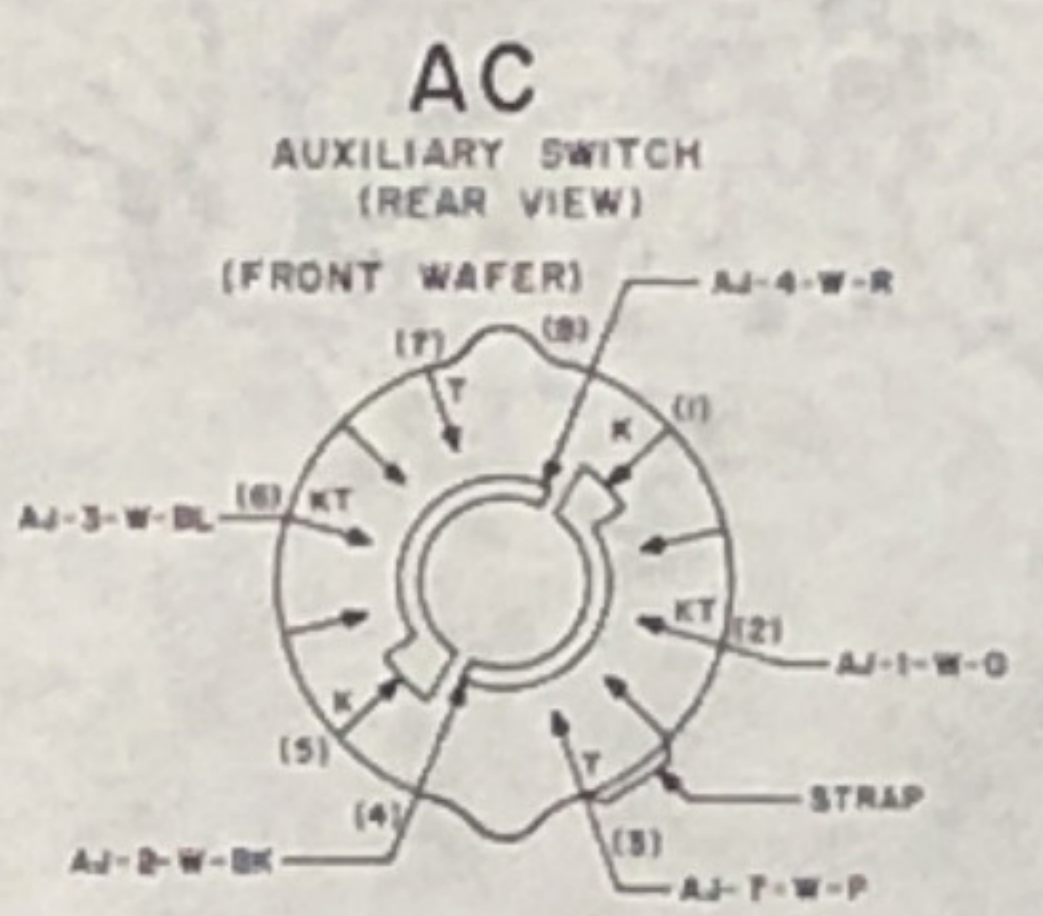
2 BK-BLACK O-ORANGE BL-BLUE BR-BROWN
 Y-YELLOW P-PURPLE R-RED G-GREEN
 W-WHITE S-SLATE

3 UNIT WIRED FOR 115 VOLTS 60%-(121%) POWER INPUT

4 PLUGS VIEWED FROM SOLDER TERMINAL ENDS

5 THE LOCK BAR SWITCH IS AN OPTIONAL UNIT AND MAY NOT BE INCLUDED IN ALL ASSEMBLIES.

6 SPARE LEAD FROM F18 IS RESERVED FOR POLAR OPERATION OF SIGNAL GENERATOR.

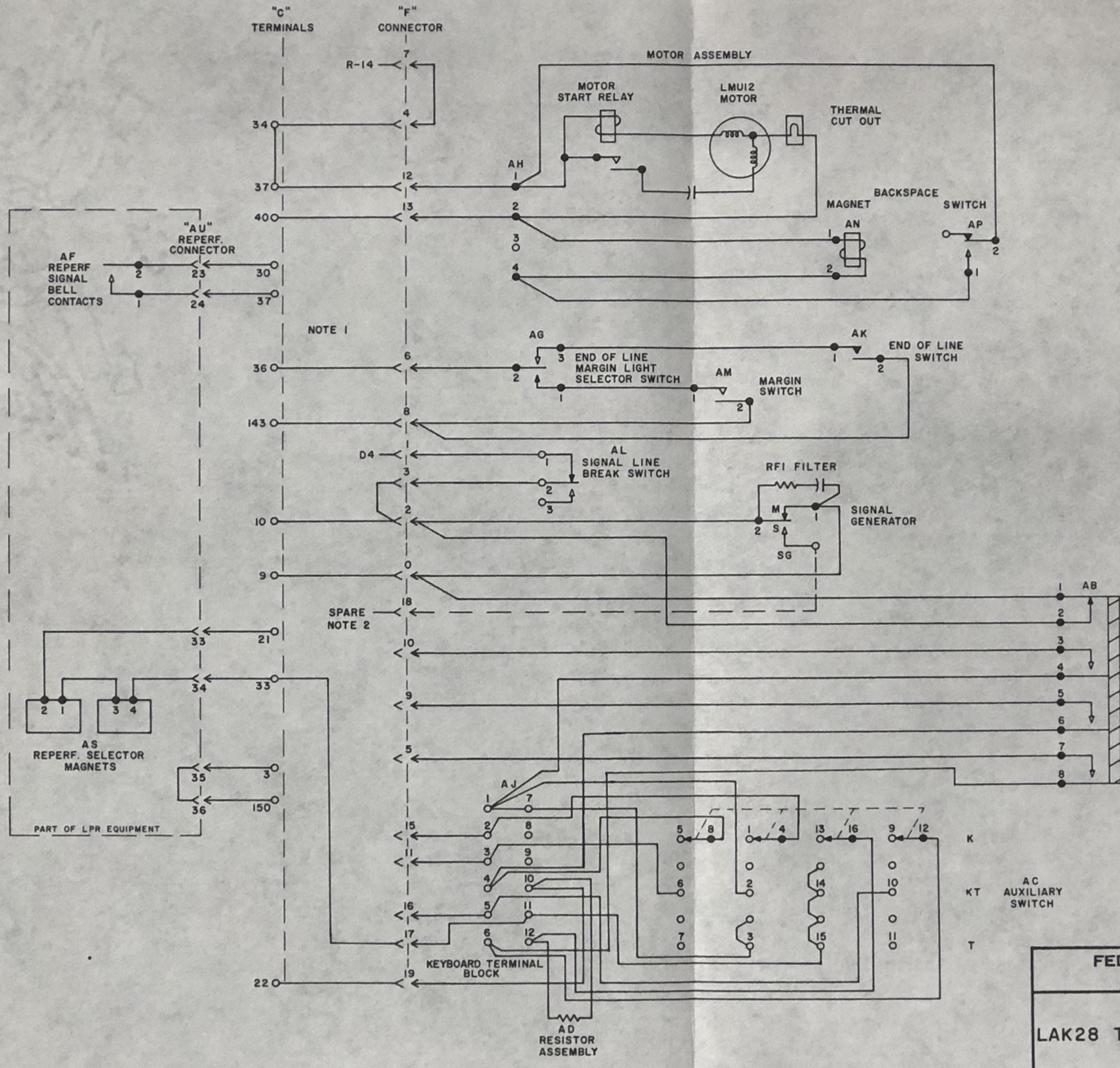


FEDERAL AVIATION AGENCY FAA DEPOT	
FAA STANDARD LAK 28 TELETYPEWRITER KEYBOARD WIRING DIAGRAM	
TECHNICAL APPROVAL BY: <i>[Signature]</i>	FINAL REVIEW BY: <i>[Signature]</i>
SUBMITTED BY: <i>[Signature]</i>	DRAWING NO:
DRAWN BY: <i>[Signature]</i>	DATE: 9-28-65
NO.	REVISION
DATE CK'D	DAVENPORT
IMD-C-533-1	

FIGURE 20. IMD C 533-1 FAA Standard LAK 28 Teletypewriter Keyboard Wiring Diagram.

NOTES

- 1 INTERM. TERMINALS BETWEEN "F" CONNECTOR AND "C" TERMINALS HAVE BEEN OMITTED.
- 2 SPARE LEAD FROM FIB IS RESERVED FOR POLAR OPERATION OF SIGNAL GENERATOR.



FEDERAL AVIATION AGENCY
 FAA DEPOT
 FAA STANDARD
 LAK28 TELETYPEWRITER KEYBOARD
 WIRING SCHEMATIC

TECHNICAL APPROVAL BY: <i>5200/44/10/10</i>		FINAL REVIEW BY: <i>Roy S. Taylor</i>	
SUBMITTED BY: <i>Frank L. Jones</i>		DRAWING NO. IMD-C-533-2	
DRAWN BY: DAVENPORT	DATE: 9-28-65	NO.	REVISION

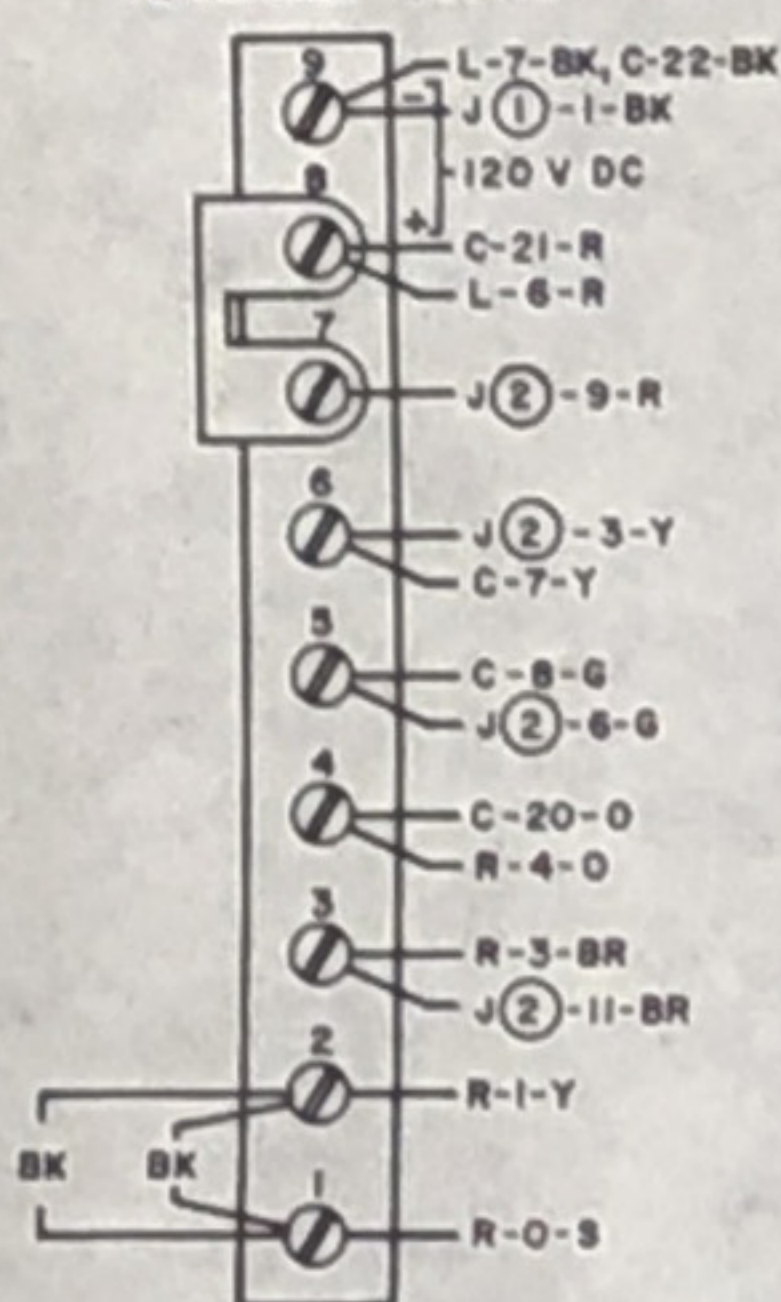
FIGURE 21. IMD C 533-2 LAK 28 Teletypewriter Keyboard Wiring Schematic.

NOTES

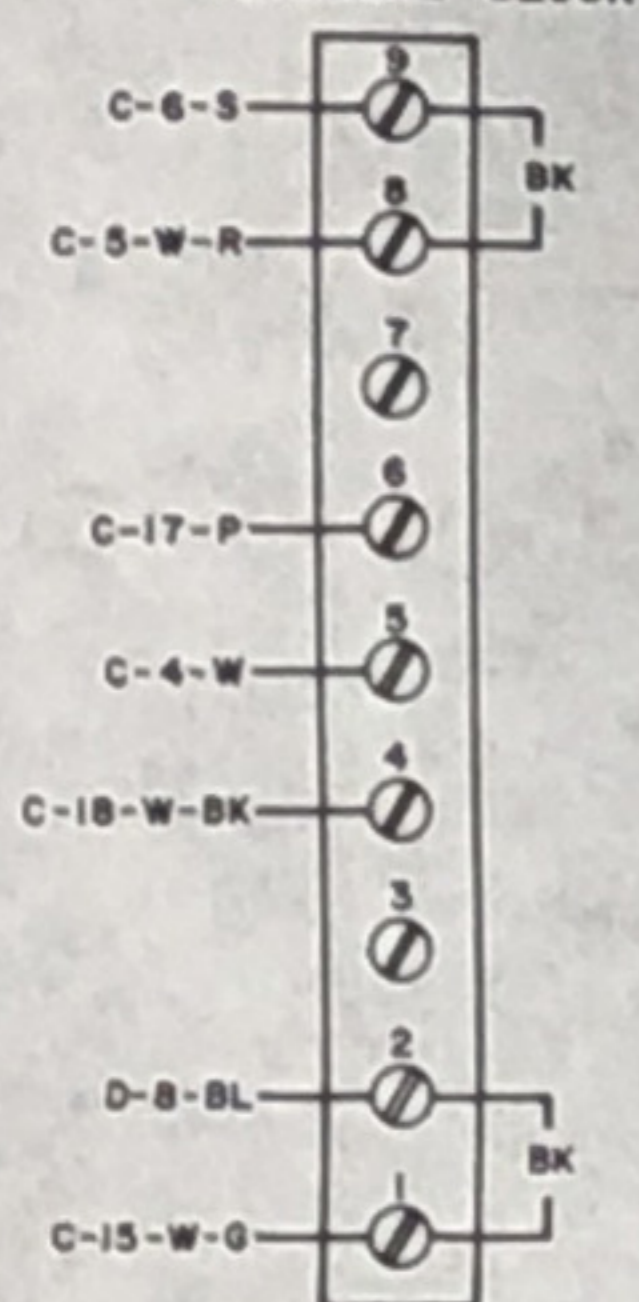
1. WIRING LEGEND:
2. COLOR CODE:
 BK-BLACK O-ORANGE BL-BLUE BR-BROWN W-WHITE
 Y-YELLOW P-PURPLE R-RED G-GREEN S-SLATE
3. CABINET POWER MUST BE 115 VAC 60 Hz (±1%).
4. CONNECTORS VIEWED FROM SOLDER TERMINAL ENDS.
5. CIRCUITS SHOWN FOR .020 AMP. NEUTRAL SIGNAL LINE OPERATION FOR .020 AMP. OPERATION REMOVE AND ADD CONNECTIONS AS TABULATED BELOW.

SIGNAL LINE CURRENT	CONNECTION REMOVED	CONN. ADDED
.020 AMP.	J(1) - J(2)	J(3) - J(4)
6. RECTIFIER SHOWN CONTROLLED BY POWER SWITCH. FOR CONTINUOUS OPERATION, REMOVE LEAD L-2-BK FROM TERMINAL E-2 AND CONNECT TO TERMINAL E-1.
7. * INDICATES SPARE LEADS TIED BACK TO CABLE. THE SPARE LEADS FROM THE KEYBOARD AND TRANSMITTER DISTRIBUTOR UNITS CONNECTOR PLUGS ARE TERMINATED IN THE RIGHT END OF THE ELECTRICAL SERVICE UNIT. THE SPARE LEADS FROM THE TYPING UNIT PLUG ARE TERMINATED IN THE LEFT END OF THE ELECTRICAL SERVICE UNIT.
8. -W- DENOTES SPliced AND TAPED WIRES.
 * INDICATES TAPED WIRES.
9. SPLICE AND TAPE THE FOLLOWING LEADS.
 R-6-W-Y TO F-9-W-Y
 R-9-W-R TO F-10-W-R
 R-10-W-O TO F-15-W-O
 R-11-W-BK TO F-11-W-BK
10. SPLICE 155785 CABLE ASSEMBLY AS INDICATED.
11. "T" TERMINALS ON LIGHT TRANSFORMER.
12. PART OF CABINET SIGNAL LIGHT SYSTEM.
13. FIB RESERVED FOR POLAR OPERATION.

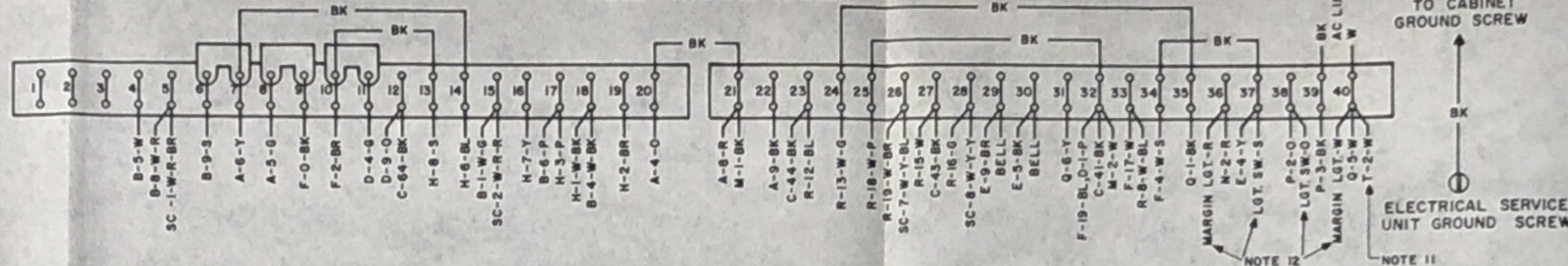
A SELECTOR MAGNET TERMINAL BLOCK



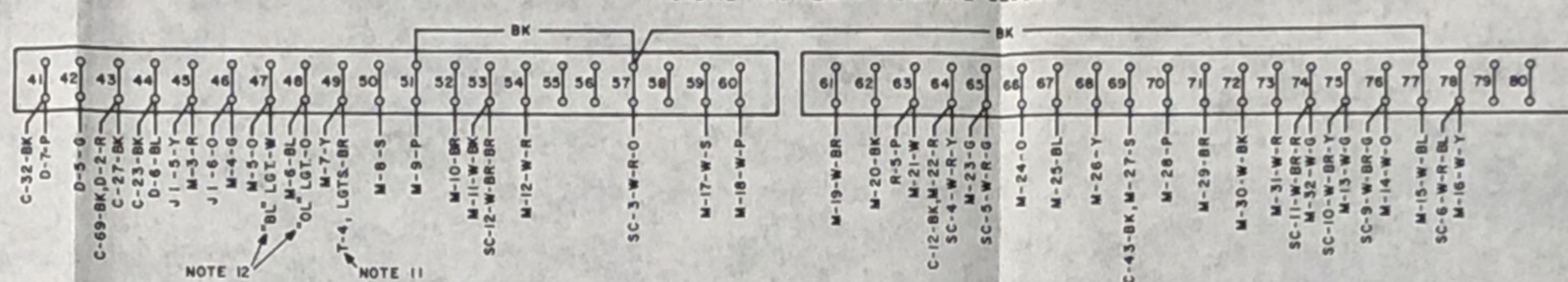
B LINE TEST TERMINAL BLOCK



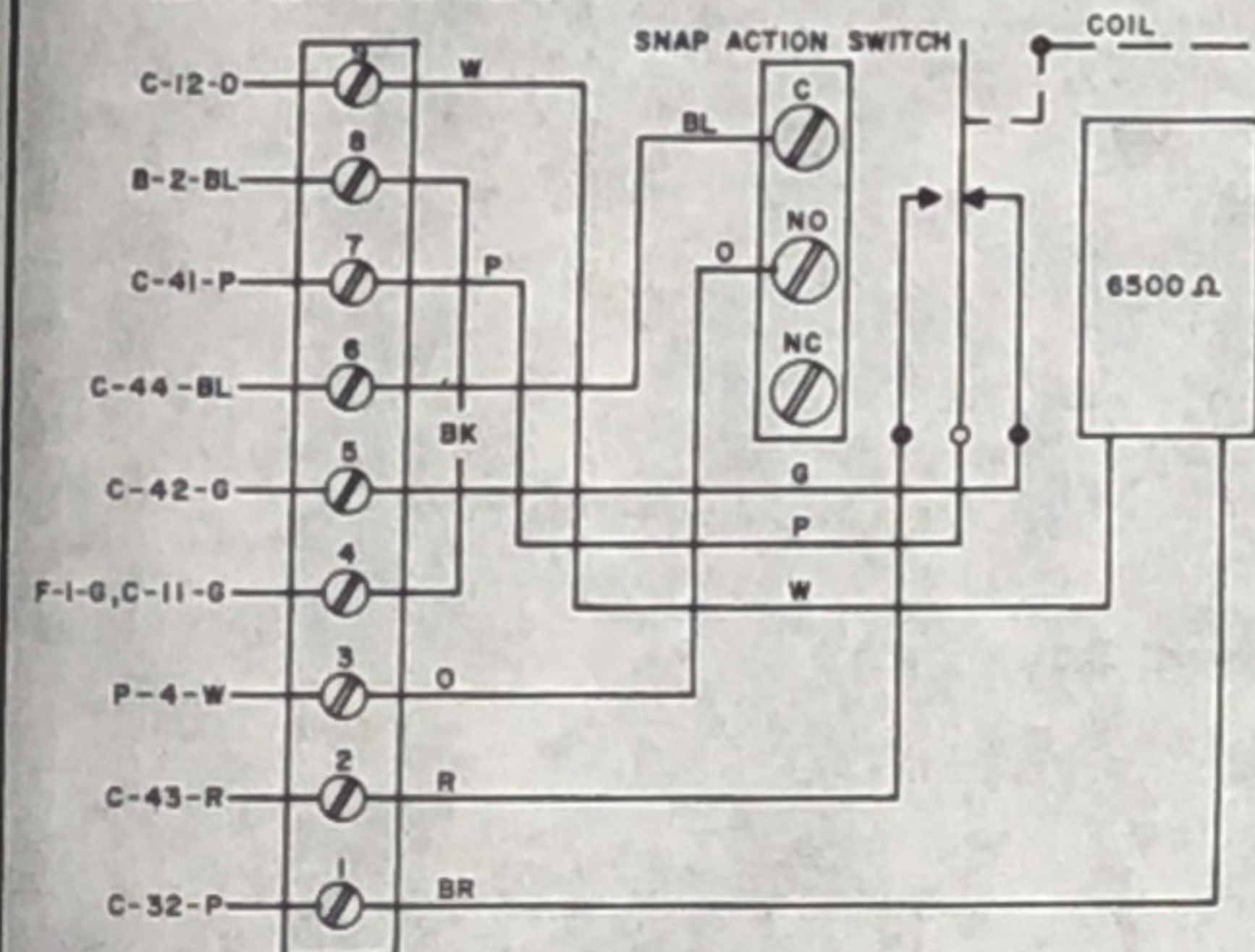
C CABINET TERMINAL BLOCKS



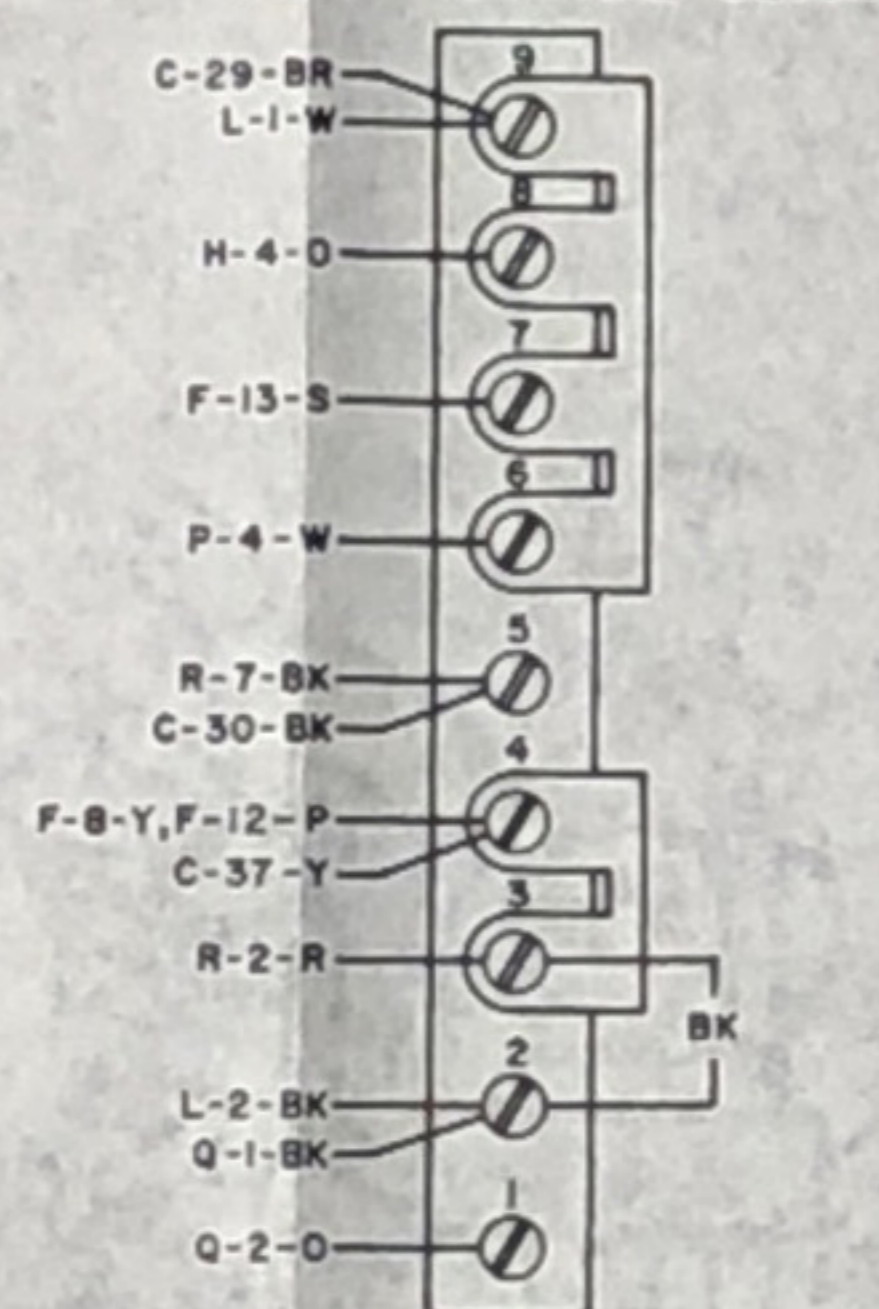
C CABINET AUXILIARY TERMINAL BLOCKS



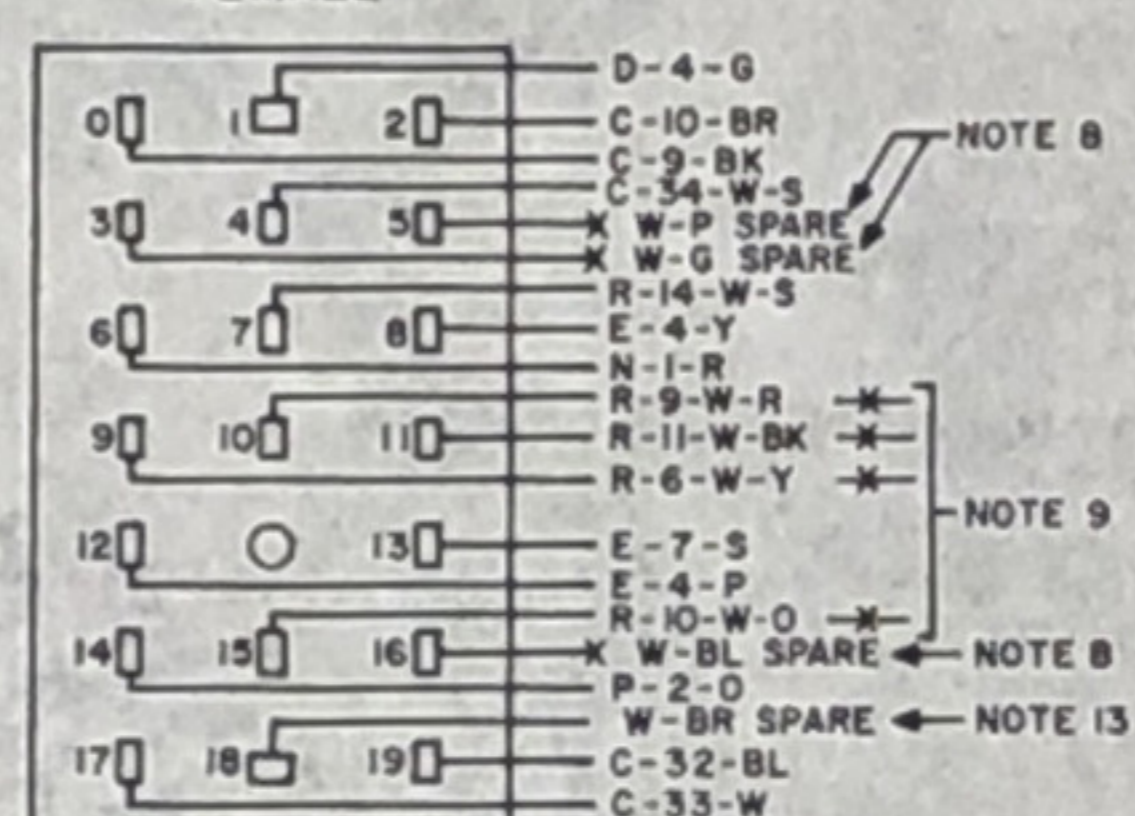
D D.C. CONTROL RELAY TERMINAL BLOCK



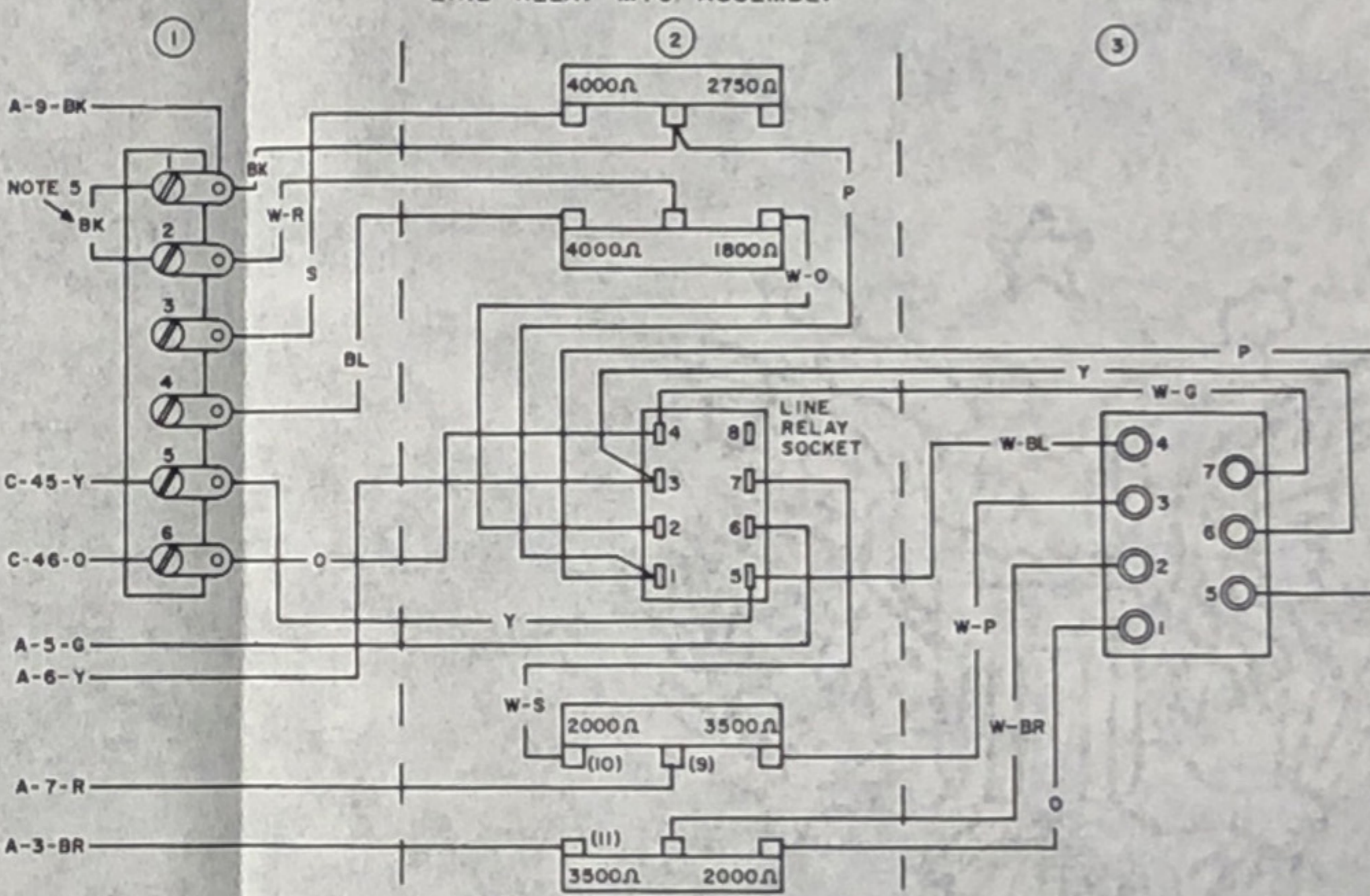
E POWER TERMINAL BLOCK



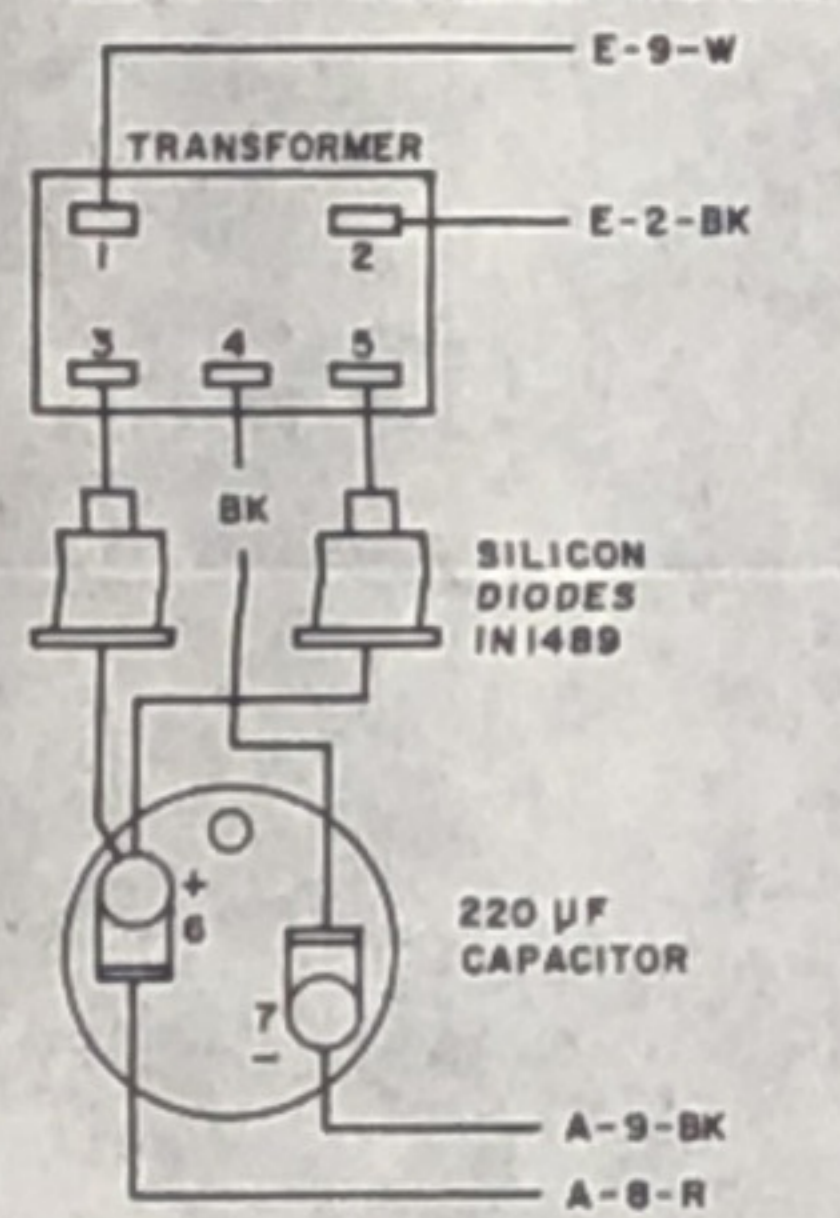
F KEYBOARD CONNECTOR FEMALE



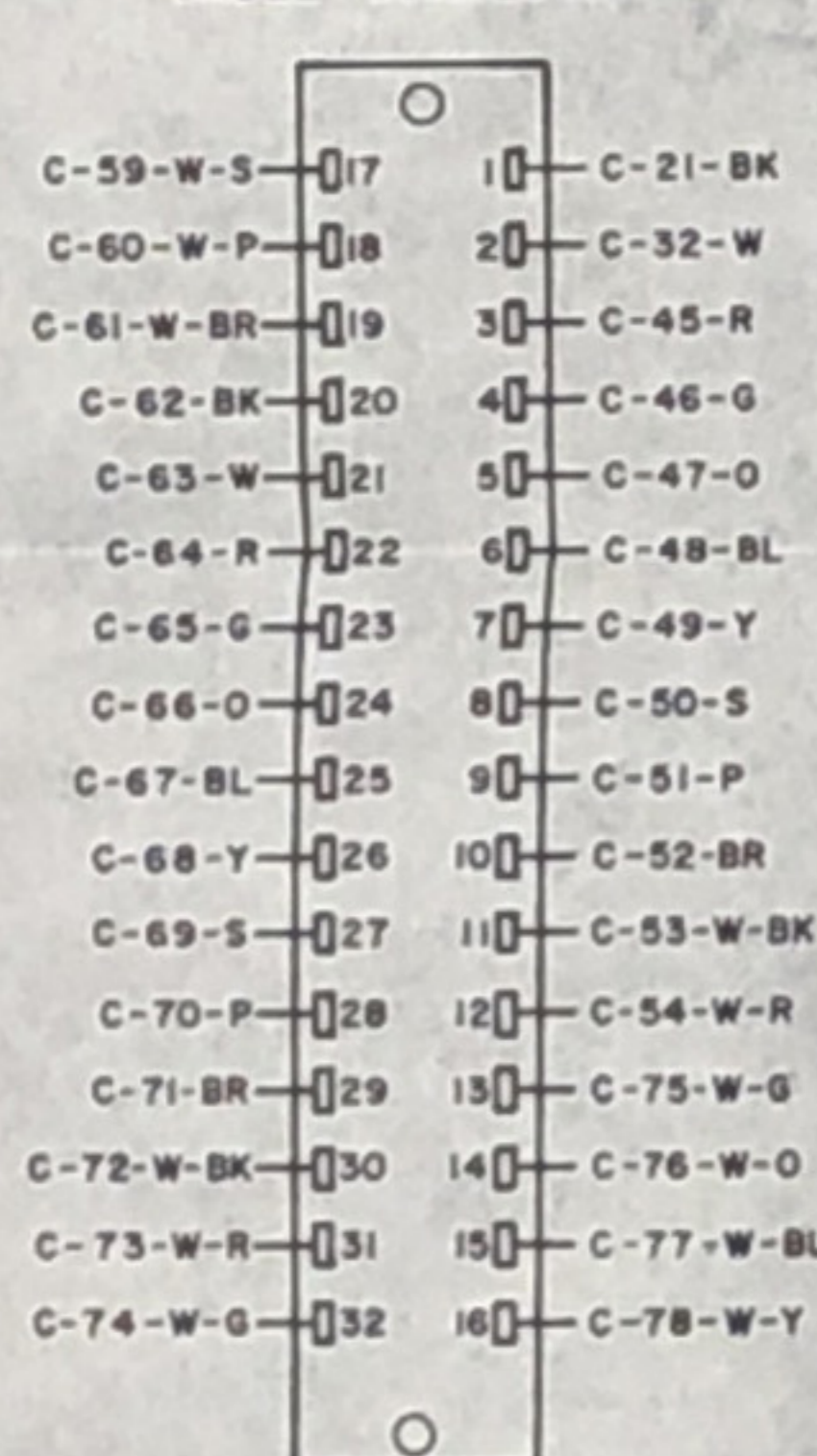
J LINE RELAY MTG ASSEMBLY



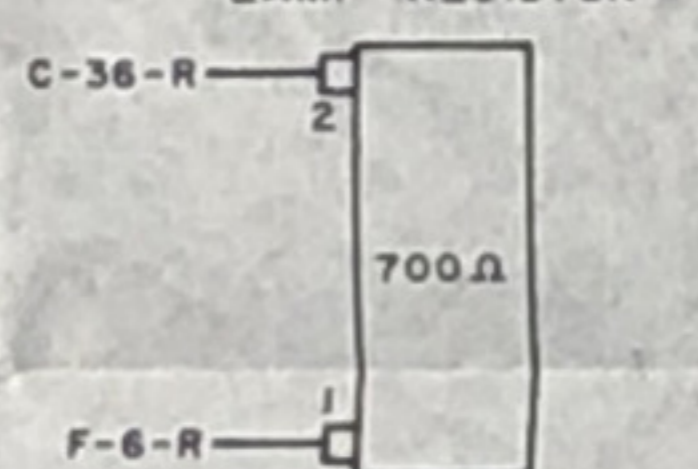
L RECTIFIER ASSEMBLY (NOTE 6)



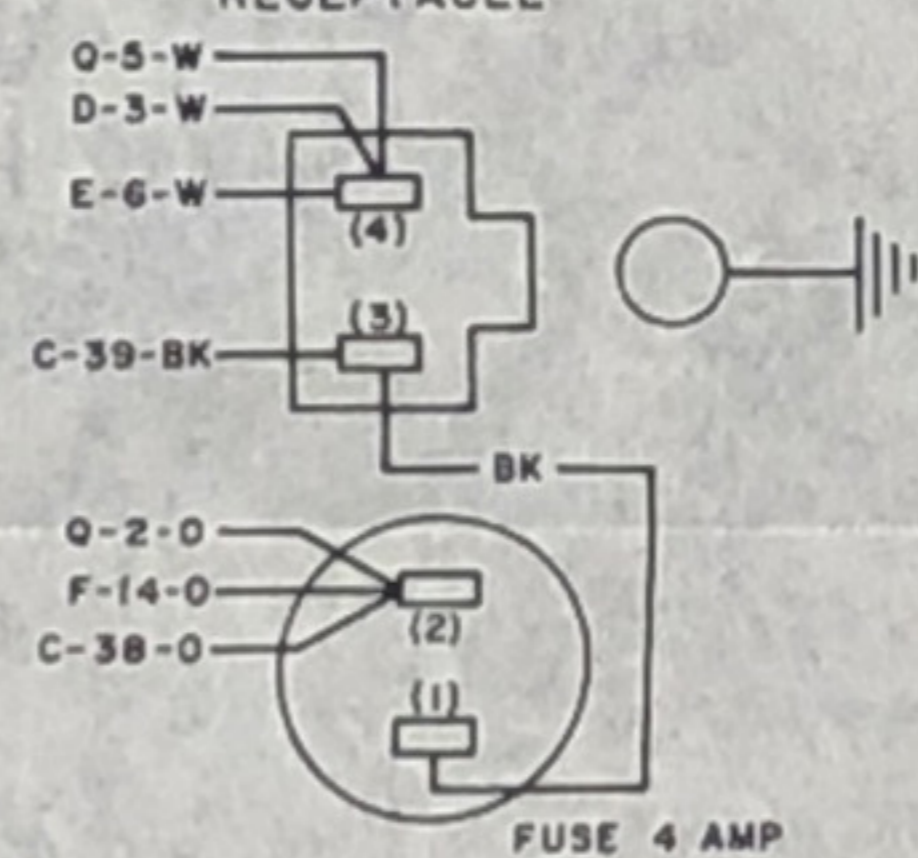
M CABLE CONNECTOR



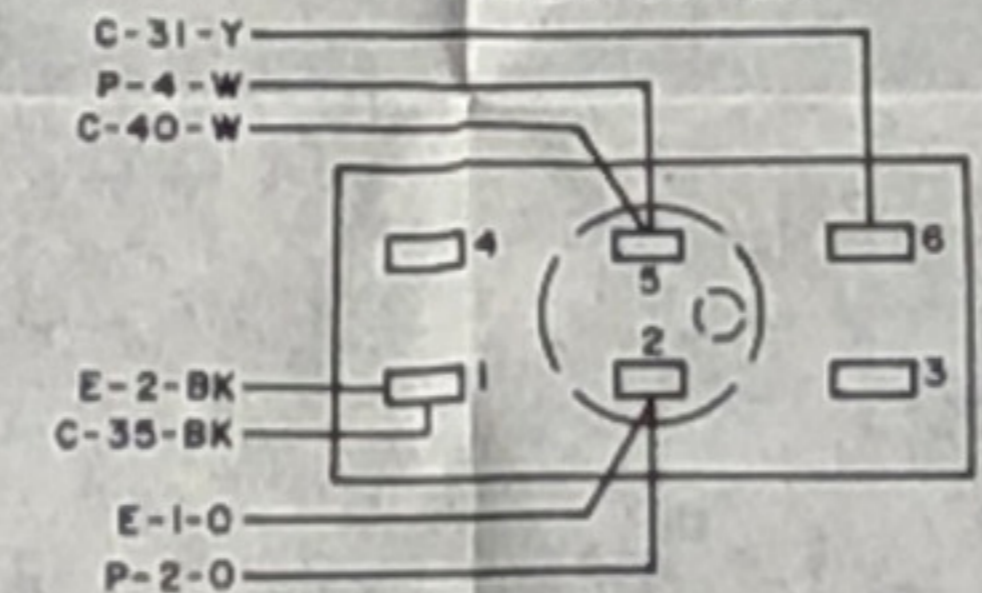
N MARGIN INDICATOR LAMP RESISTOR



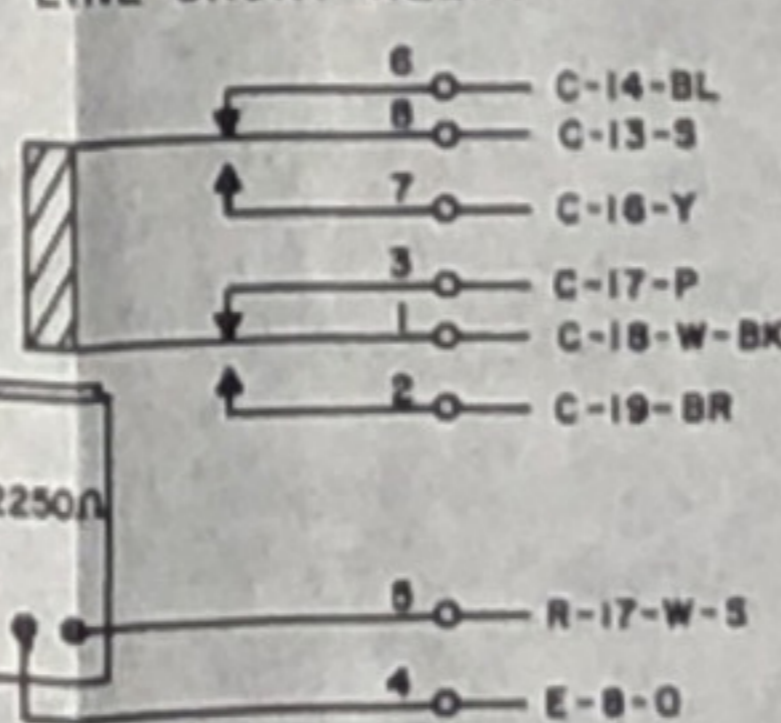
P CONVENIENCE RECEPTACLE



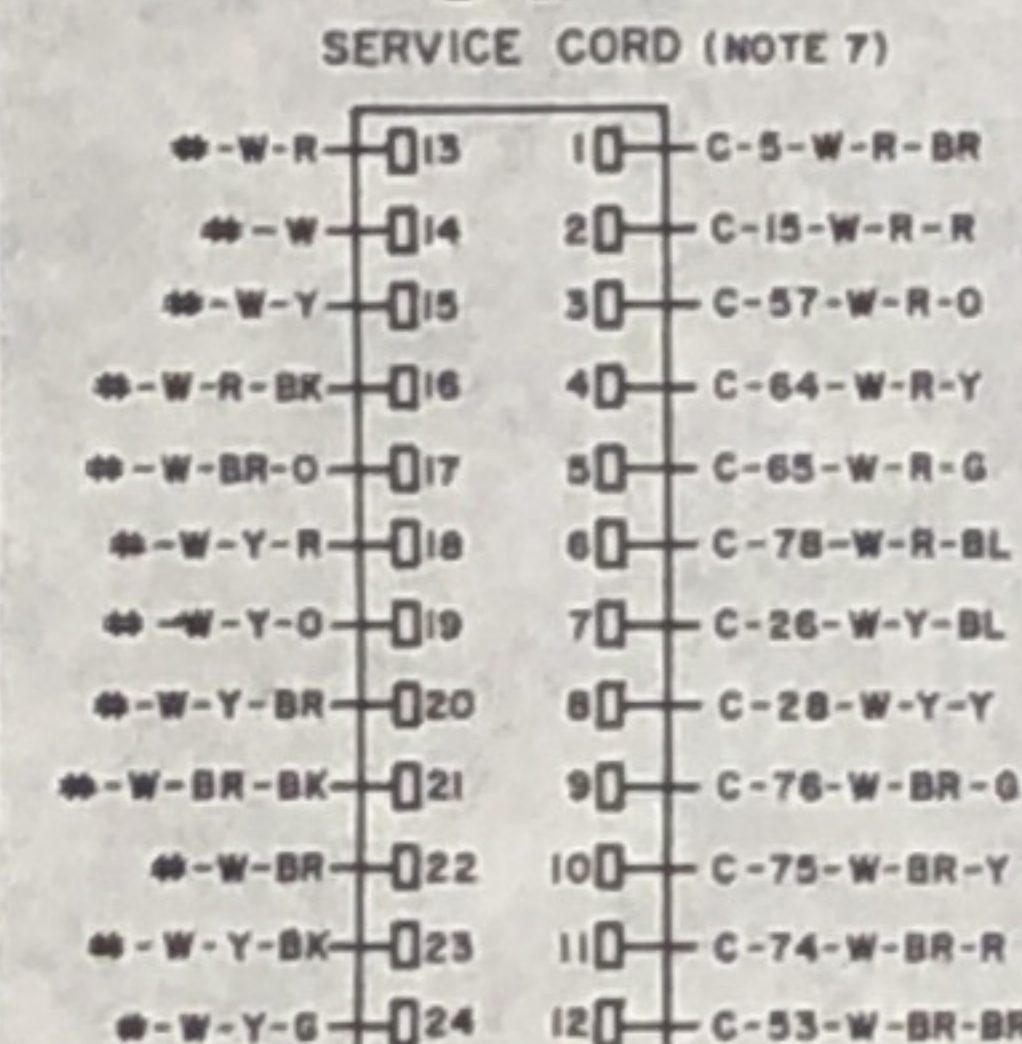
Q POWER SWITCH



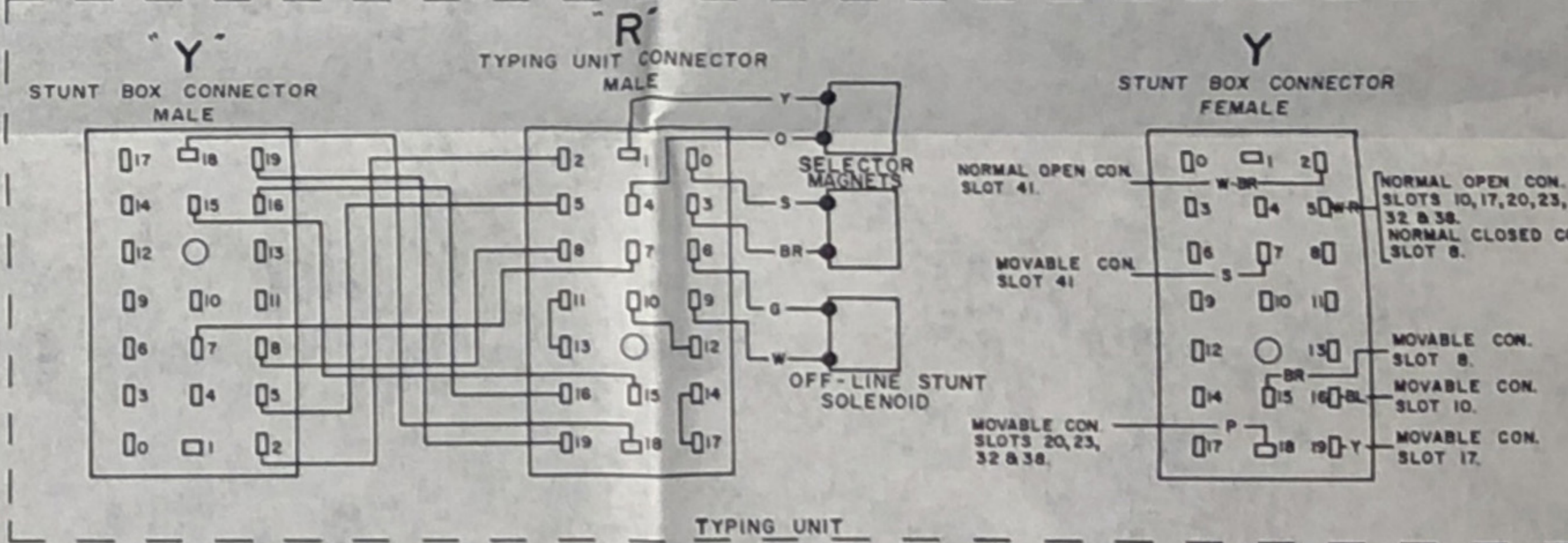
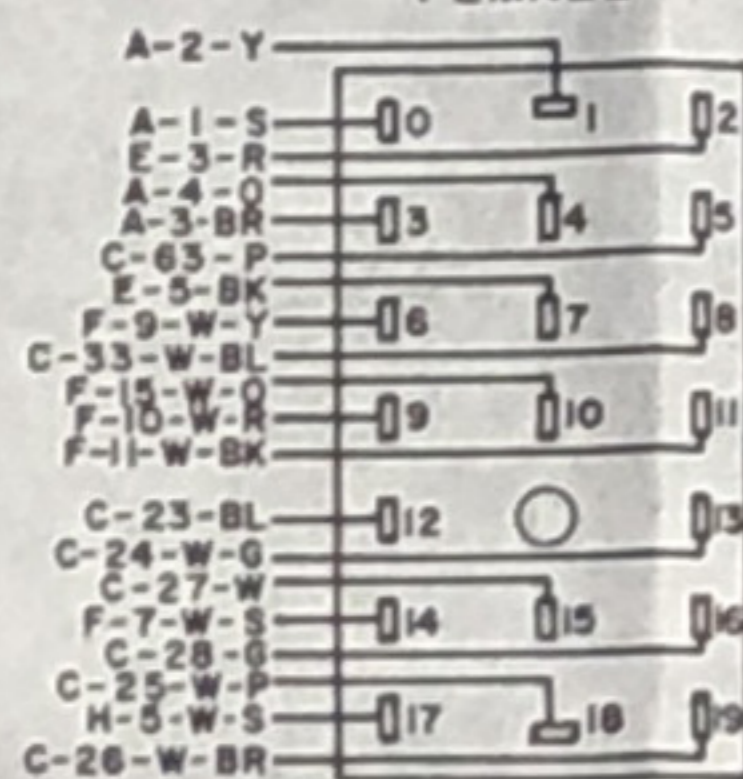
H LINE SHUNT RELAY



SC SERVICE CORD (NOTE 7)



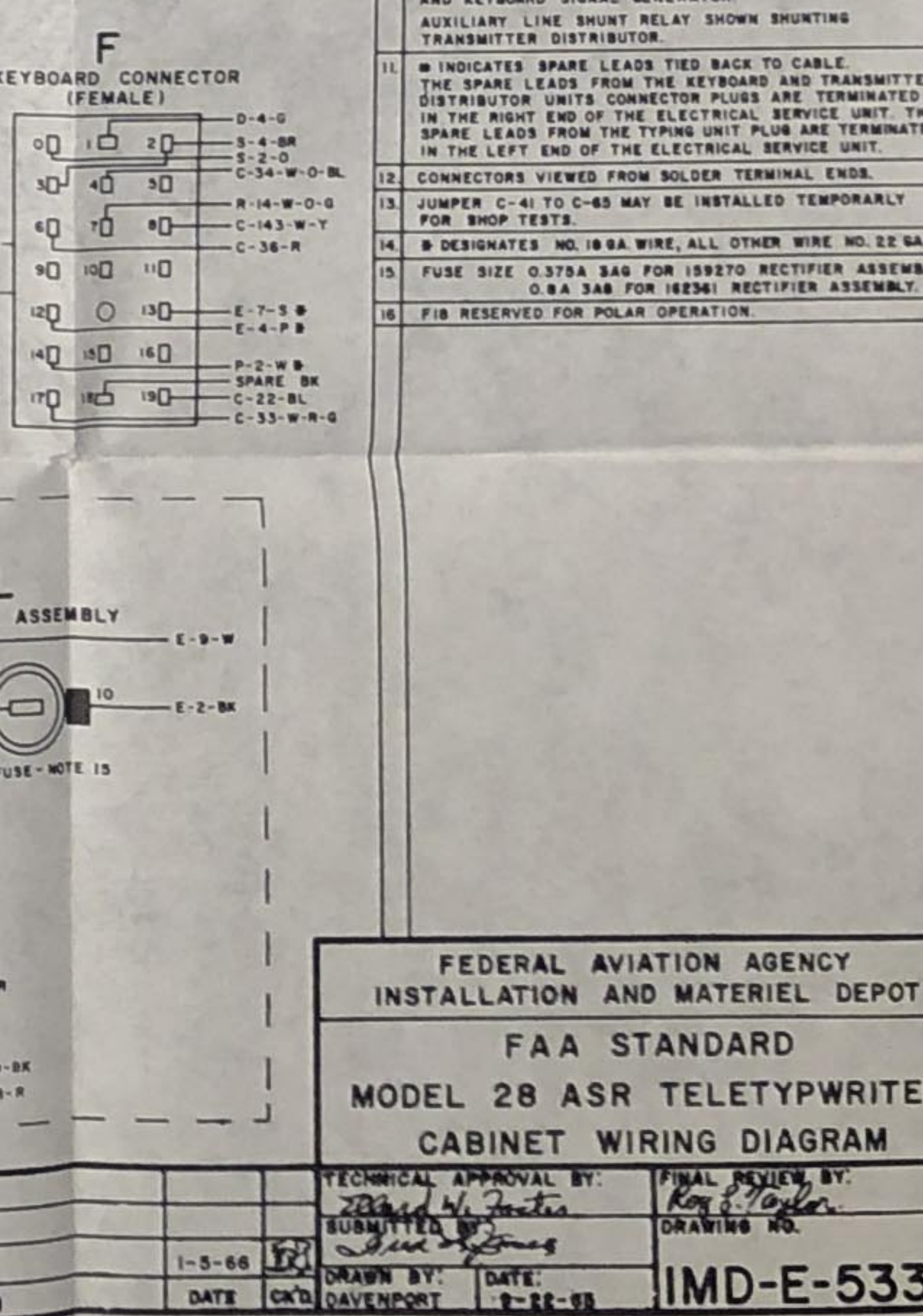
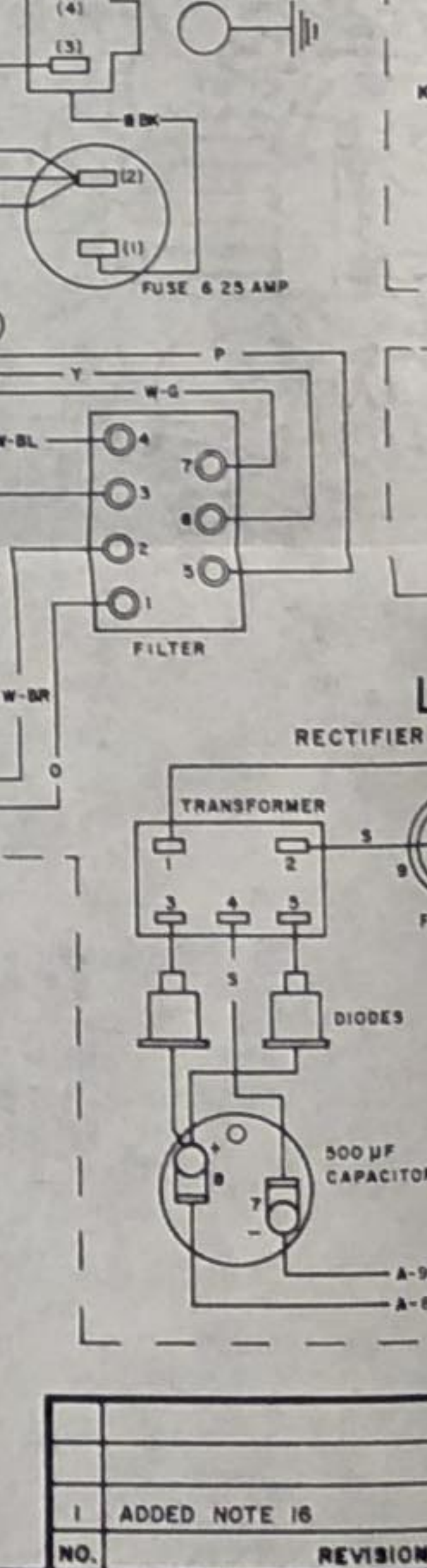
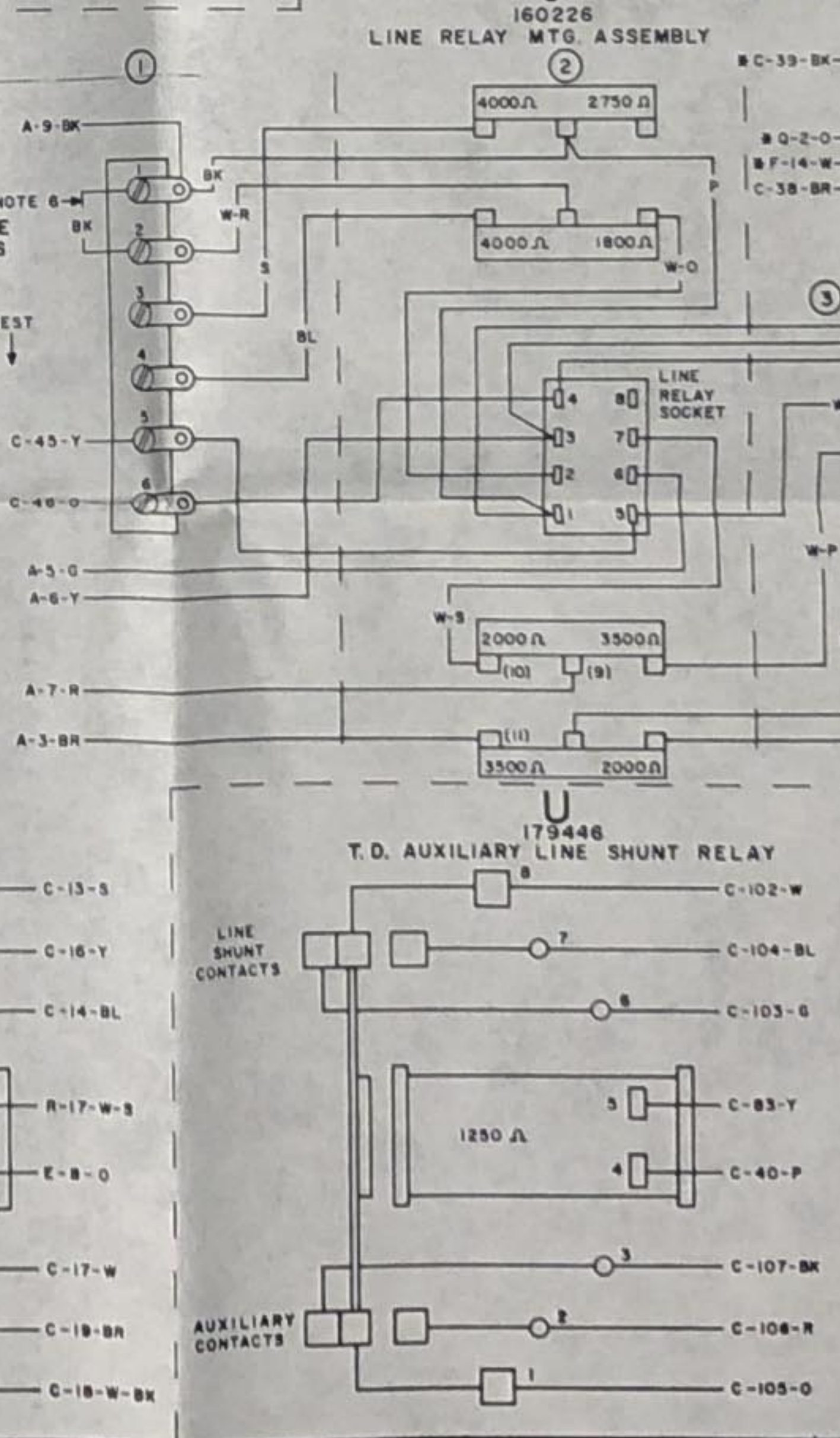
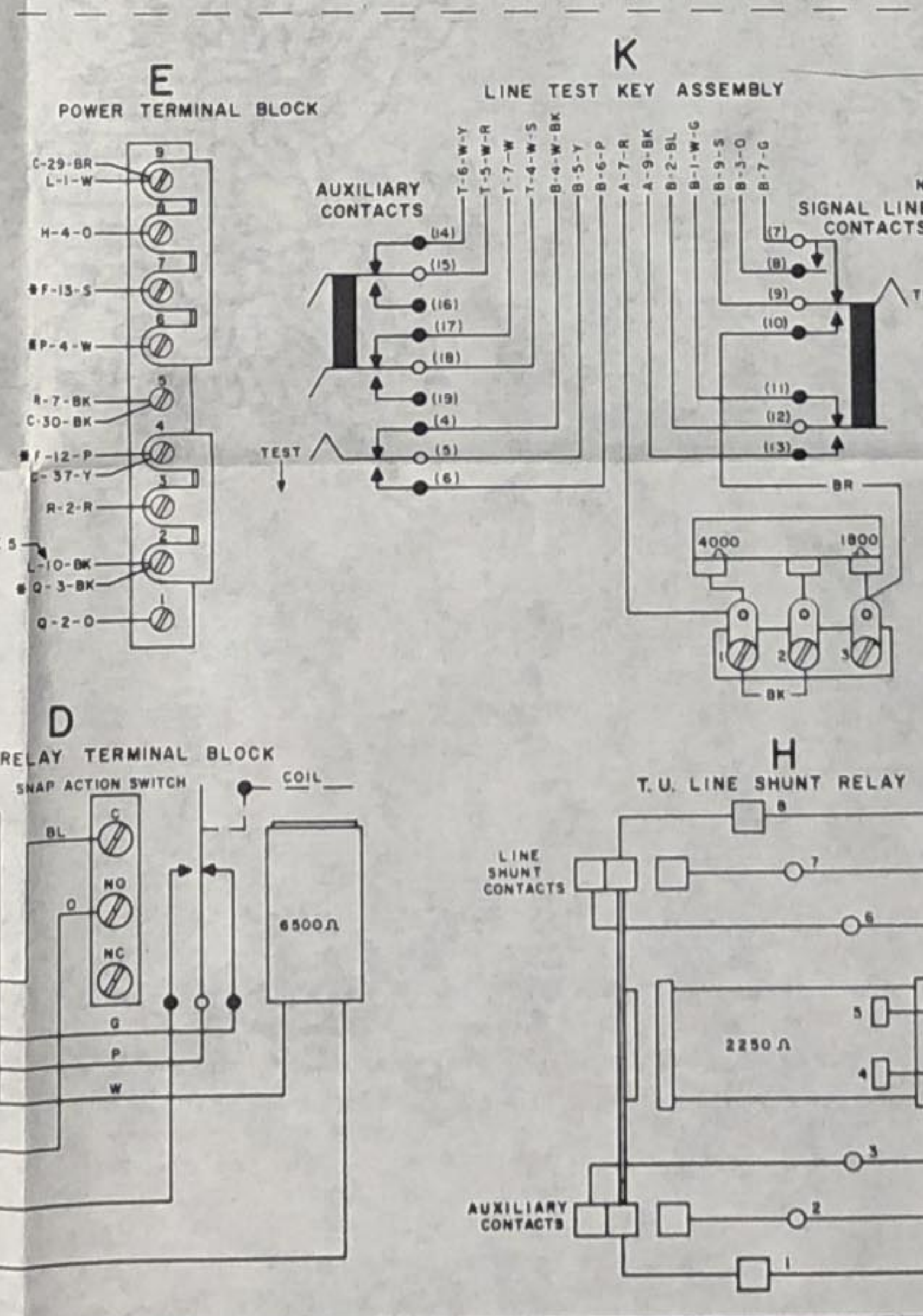
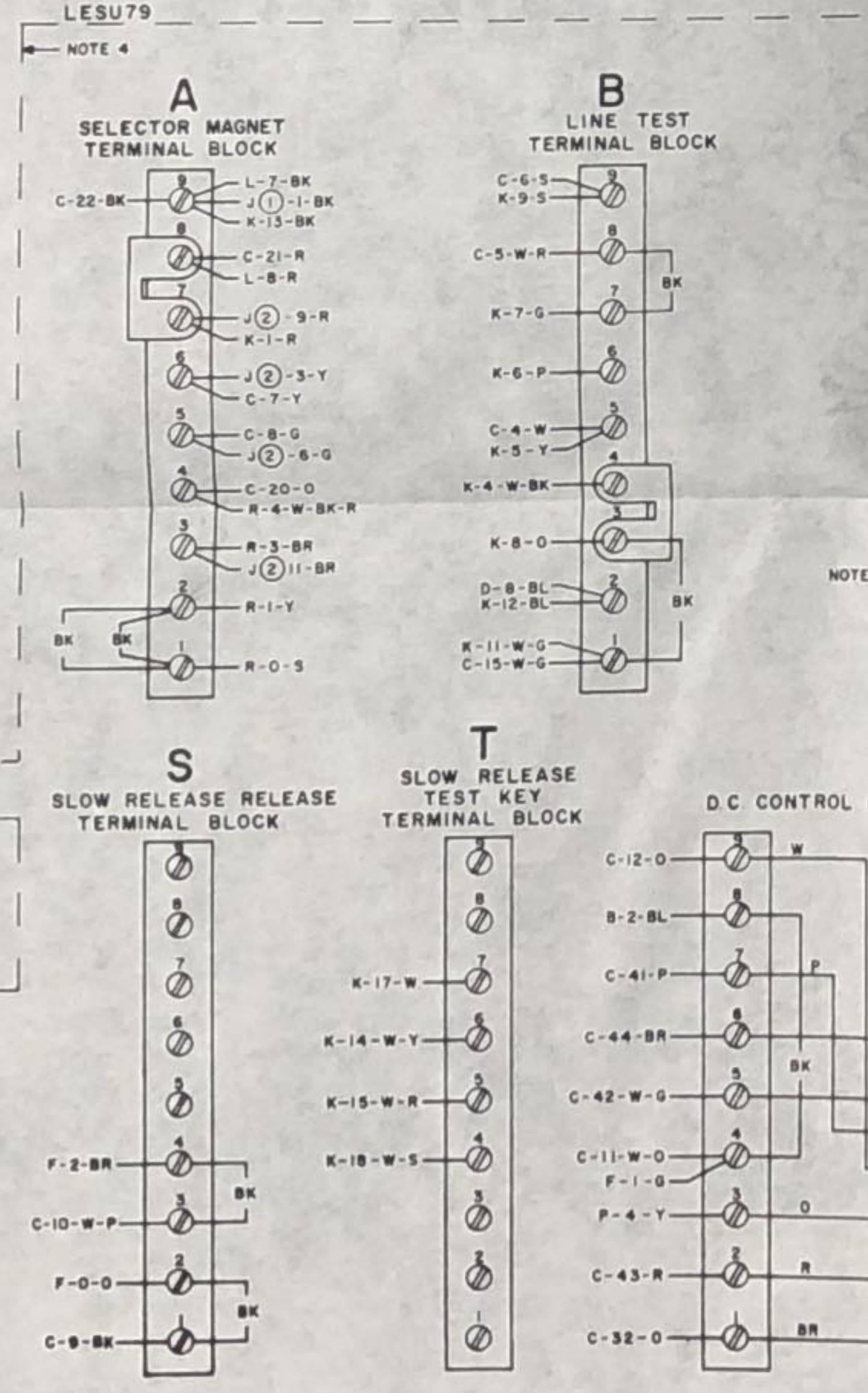
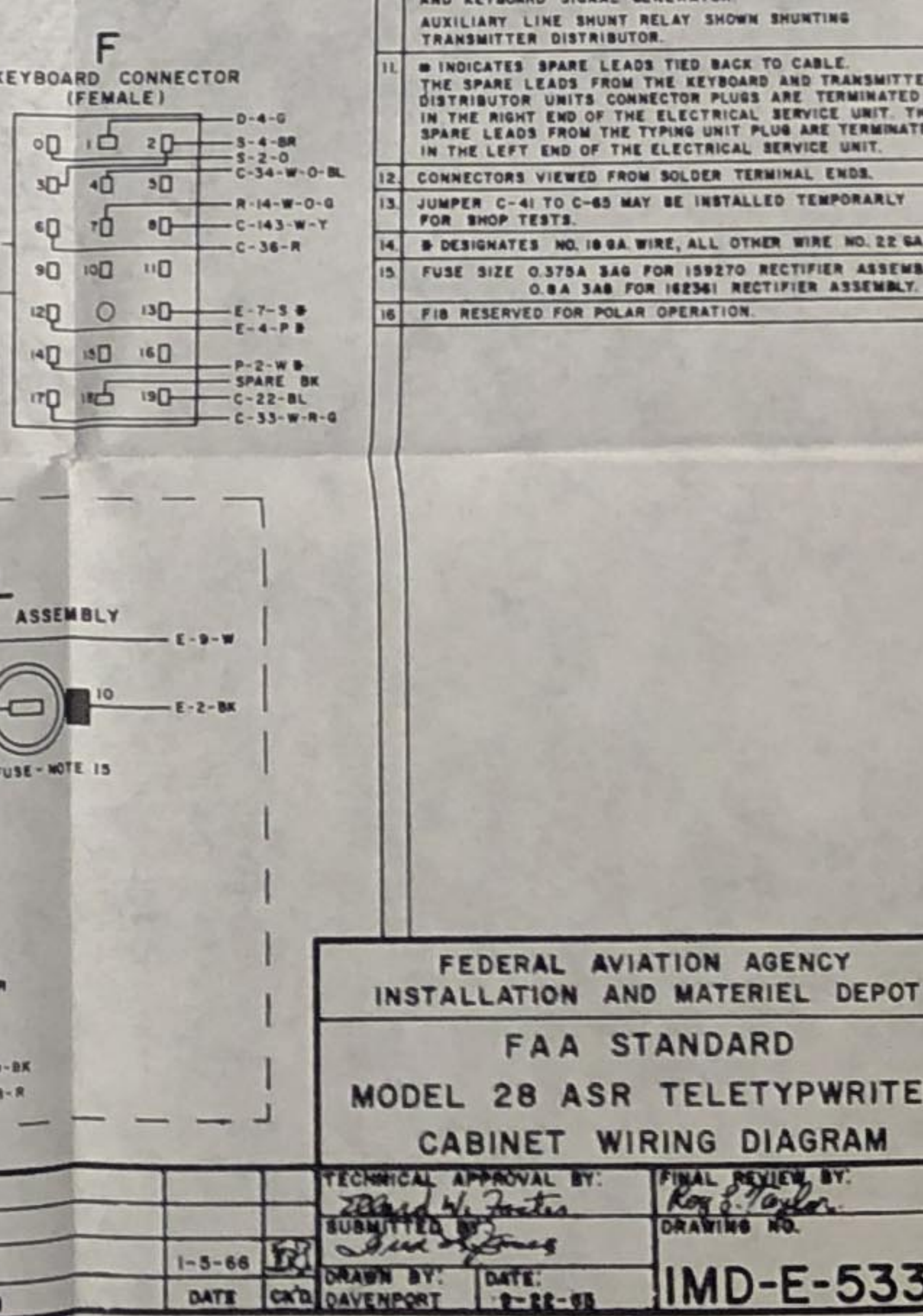
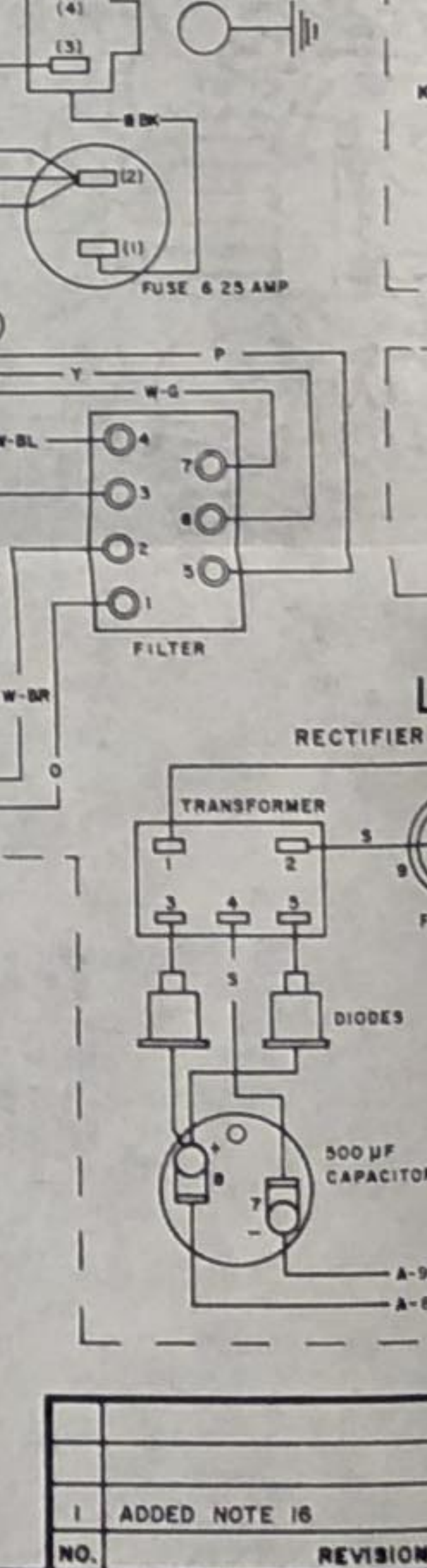
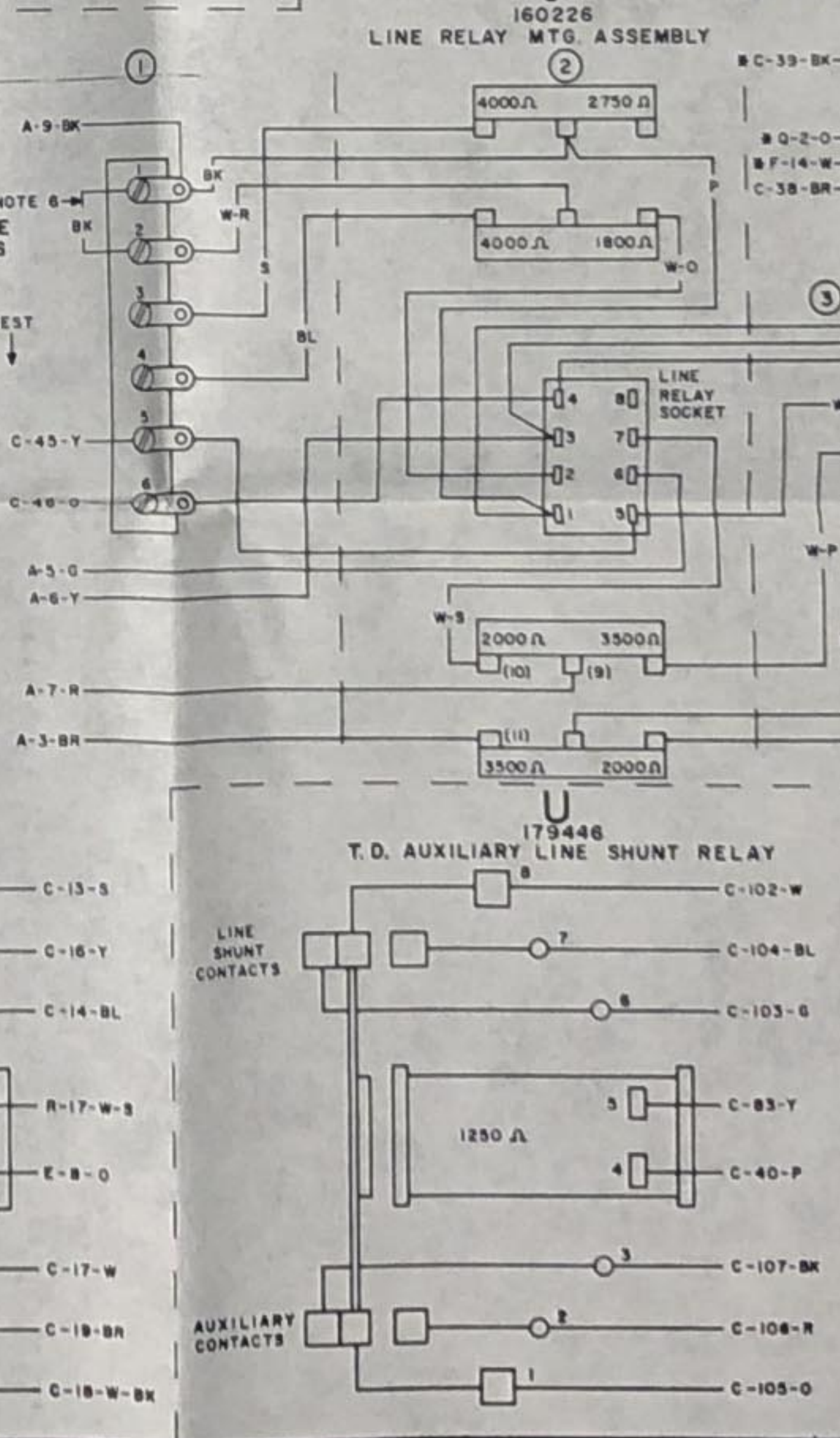
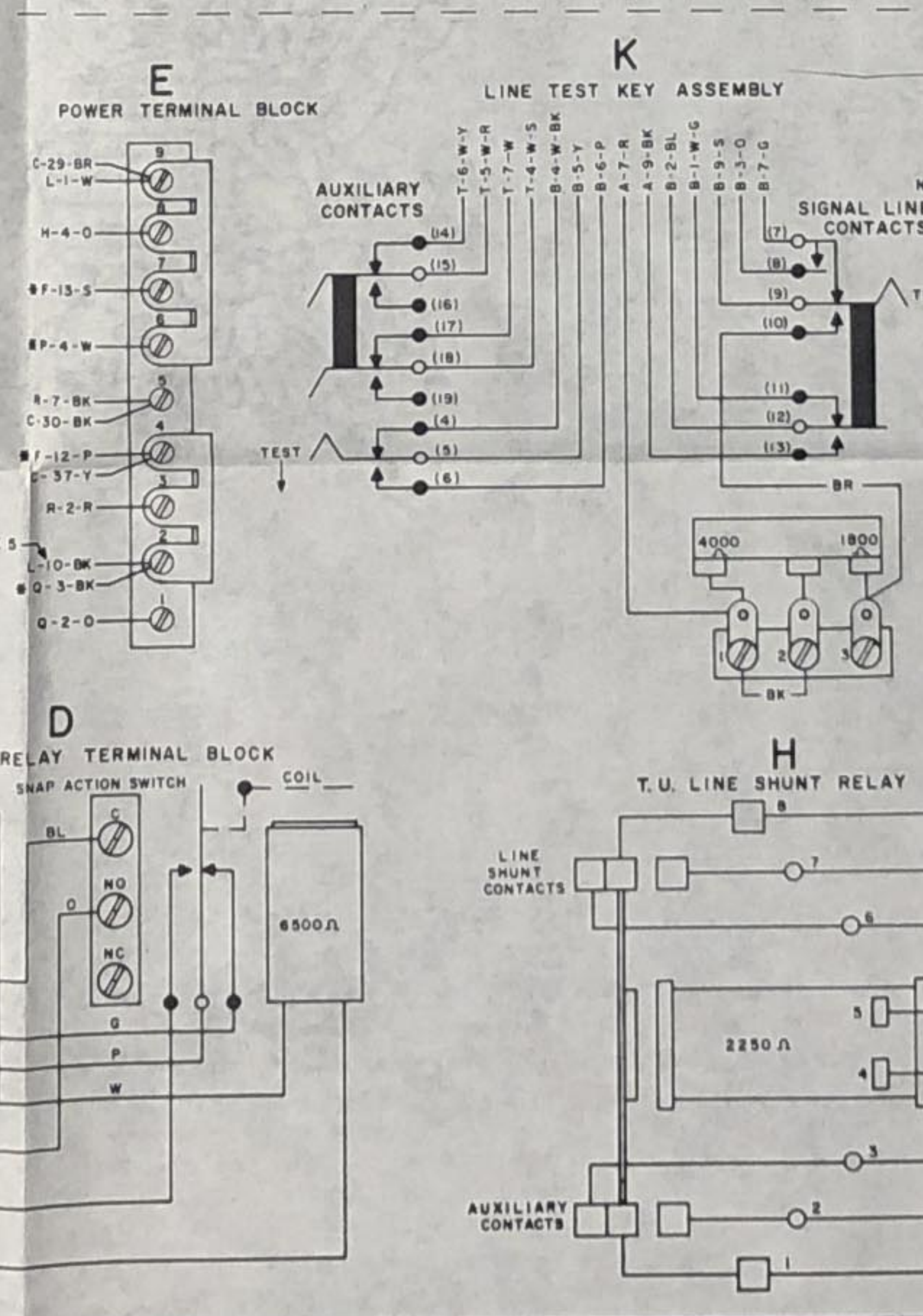
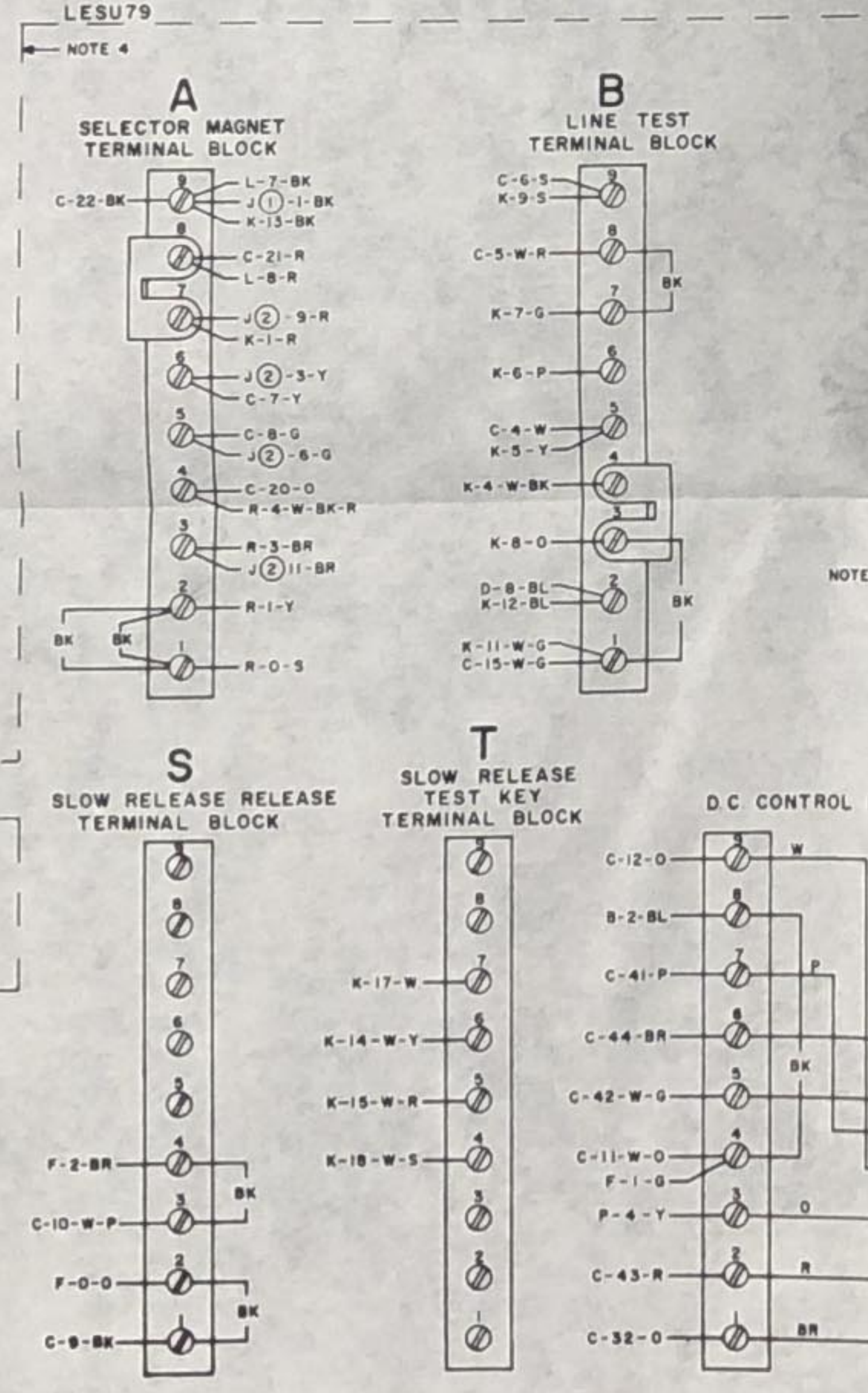
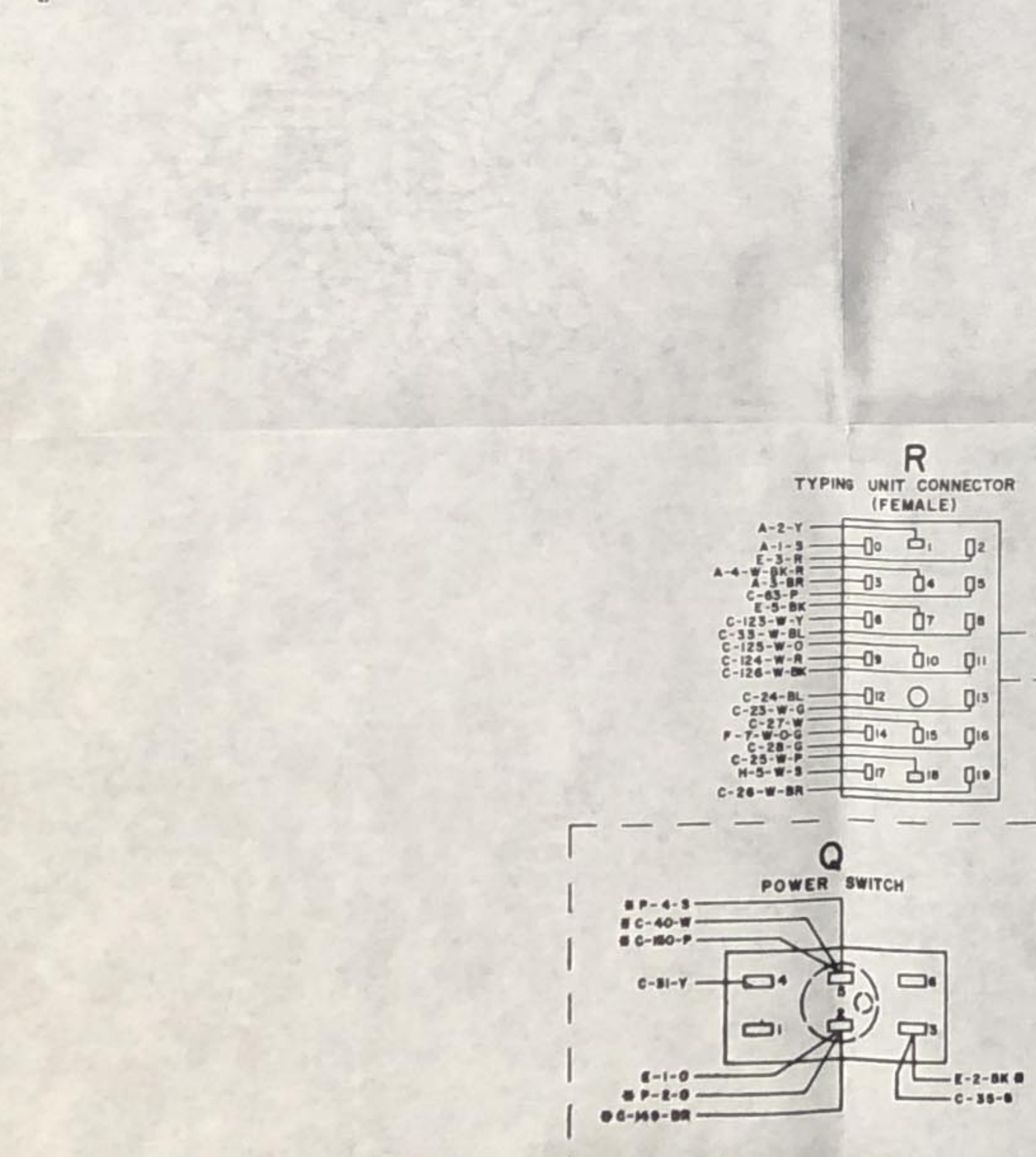
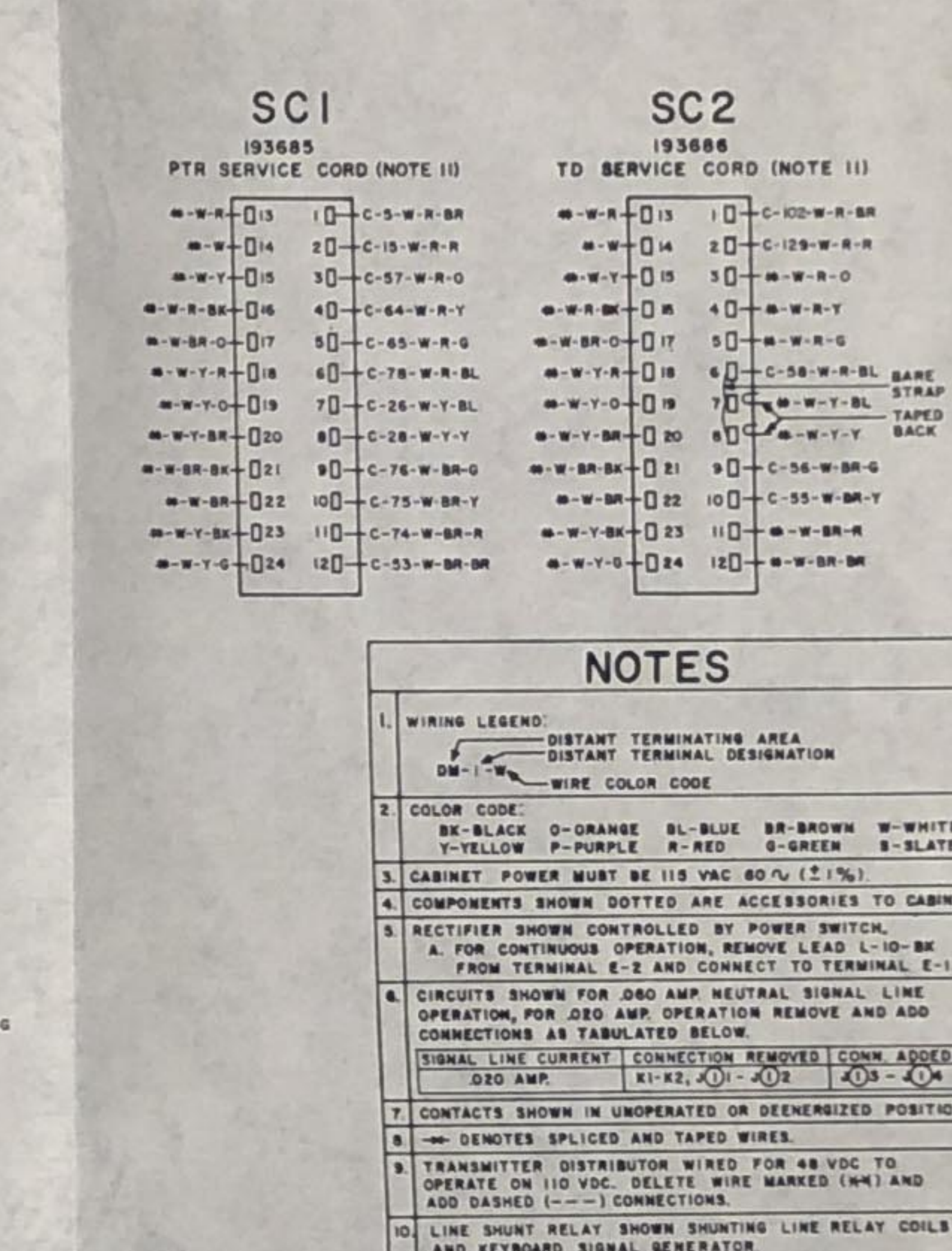
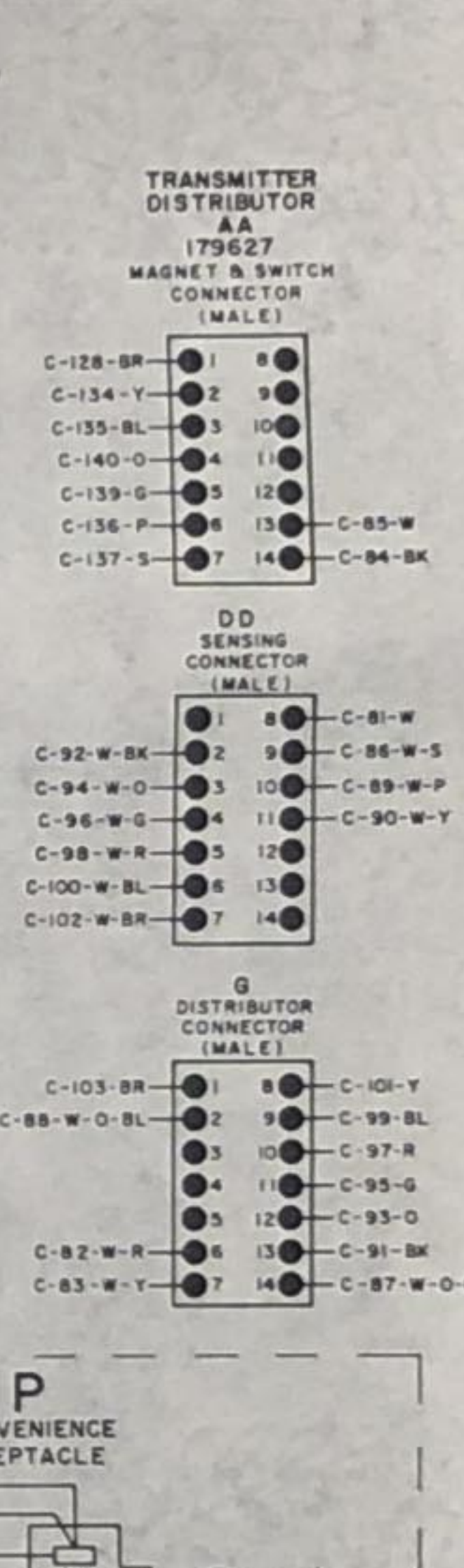
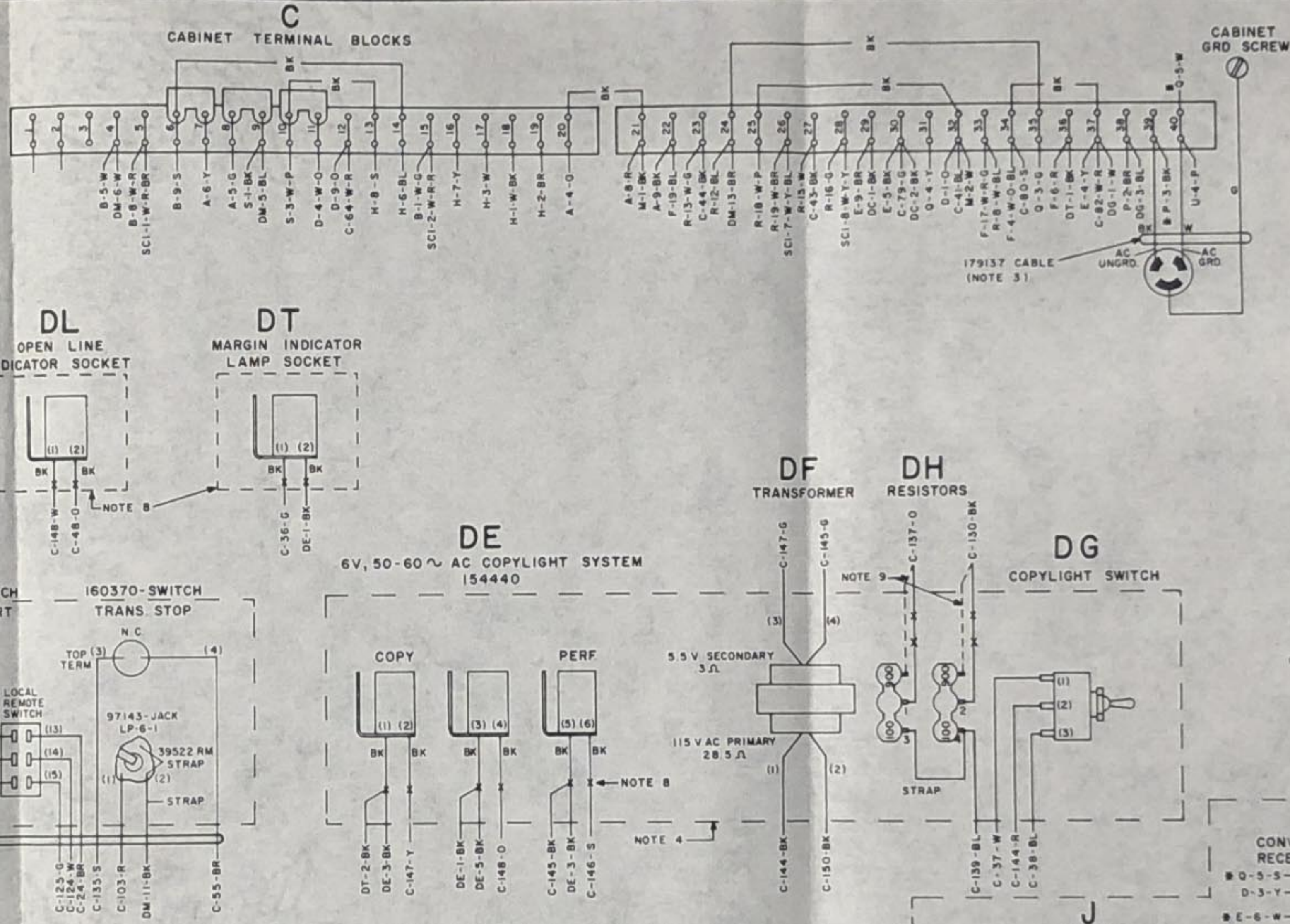
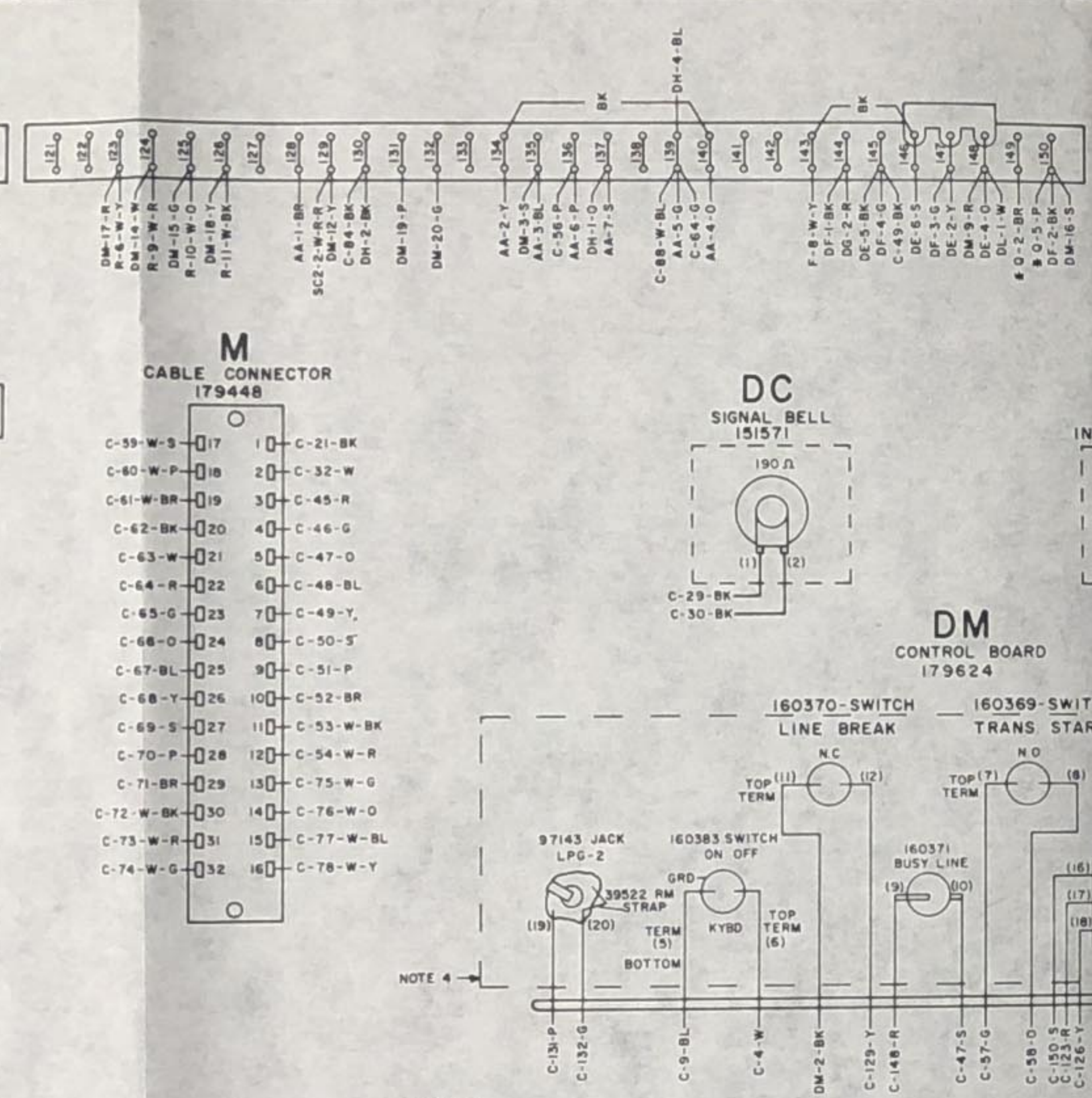
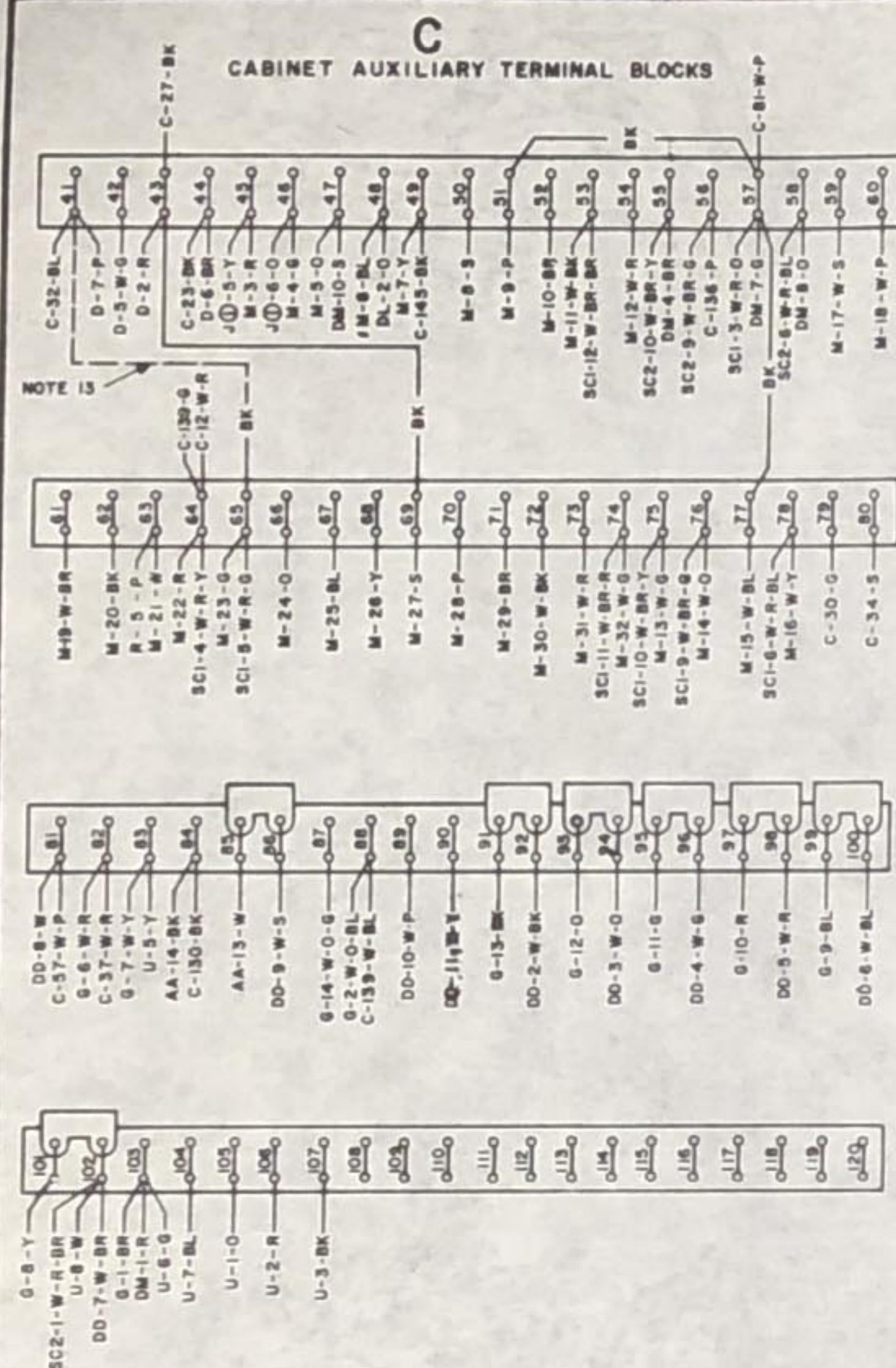
R TYPING UNIT CONNECTOR FEMALE



FEDERAL AVIATION AGENCY
FAA DEPOT

FAA STANDARD
R/O AND KSR TELETYPEWRITER
CABINET WIRING DIAGRAM

TECHNICAL APPROVAL BY: <i>[Signature]</i>	FINAL REVIEW BY: <i>[Signature]</i>
SUBMITTED BY: <i>[Signature]</i>	DRAWING NO. FAAD-D-114
NO.	REVISION
DATE	CK'D
DAVENPORT	DATE: 10-14-65



- ### NOTES
- WIRING LEGEND:
 - DISTANT TERMINATING AREA
 - DISTANT TERMINAL DESIGNATION
 - DM - WIRE COLOR CODE
 - COLOR CODE:
 - BK-BLACK O-ORANGE BL-BLUE BR-BROWN W-WHITE
 - Y-YELLOW P-PURPLE R-RED G-GREEN S-SLATE
 - CABINET POWER MUST BE 115 VAC 60 Hz (2 1/2%)
 - COMPONENTS SHOWN DOTTED ARE ACCESSORIES TO CABINET
 - RECTIFIER SHOWN CONTROLLED BY POWER SWITCH. A. FOR CONTINUOUS OPERATION, REMOVE LEAD L-10-BK FROM TERMINAL E-2 AND CONNECT TO TERMINAL E-1.
 - CIRCUITS SHOWN FOR .050 AMP NEUTRAL SIGNAL LINE OPERATION, FOR .020 AMP OPERATION REMOVE AND ADD CONNECTIONS AS TABULATED BELOW.

SIGNAL LINE CURRENT	CONNECTION REMOVED	CONN. ADDED
.020 AMP.	K1-K2, X1, X2	X3-X4, X4
 - CONTACTS SHOWN IN UNOPERATED OR DEENERGIZED POSITION.
 - DENOTES SPLICED AND TAPED WIRES.
 - TRANSMITTER DISTRIBUTOR WIRED FOR 48 VDC TO OPERATE ON 110 VDC. DELETE WIRE MARKED (W) AND ADD DASHED (---) CONNECTIONS.
 - LINE SHUNT RELAY SHOWN SHUNTING LINE RELAY COILS AND KEYBOARD SIGNAL GENERATOR. AUXILIARY LINE SHUNT RELAY SHOWN SHUNTING TRANSMITTER DISTRIBUTOR.
 - INDICATES SPARE LEADS TIED BACK TO CABLE. THE SPARE LEADS FROM THE KEYBOARD AND TRANSMITTER DISTRIBUTOR UNITS CONNECTOR PLUS ARE TERMINATED IN THE RIGHT END OF THE ELECTRICAL SERVICE UNIT. THE SPARE LEADS FROM THE TYPING UNIT PLUS ARE TERMINATED IN THE LEFT END OF THE ELECTRICAL SERVICE UNIT.
 - CONNECTORS VIEWED FROM SOLDER TERMINAL ENDS.
 - JUMPER C-41 TO C-65 MAY BE INSTALLED TEMPORARILY FOR SHOP TESTS.
 - B DESIGNATES NO. 18 GA WIRE, ALL OTHER WIRE NO. 22 GA.
 - FUSE SIZE 0.375A 3A4 FOR 193670 RECTIFIER ASSEMBLY. 0.8A 3A4 FOR 1823M RECTIFIER ASSEMBLY.
 - FIB RESERVED FOR POLAR OPERATION.

FEDERAL AVIATION AGENCY
INSTALLATION AND MATERIEL DEPOT

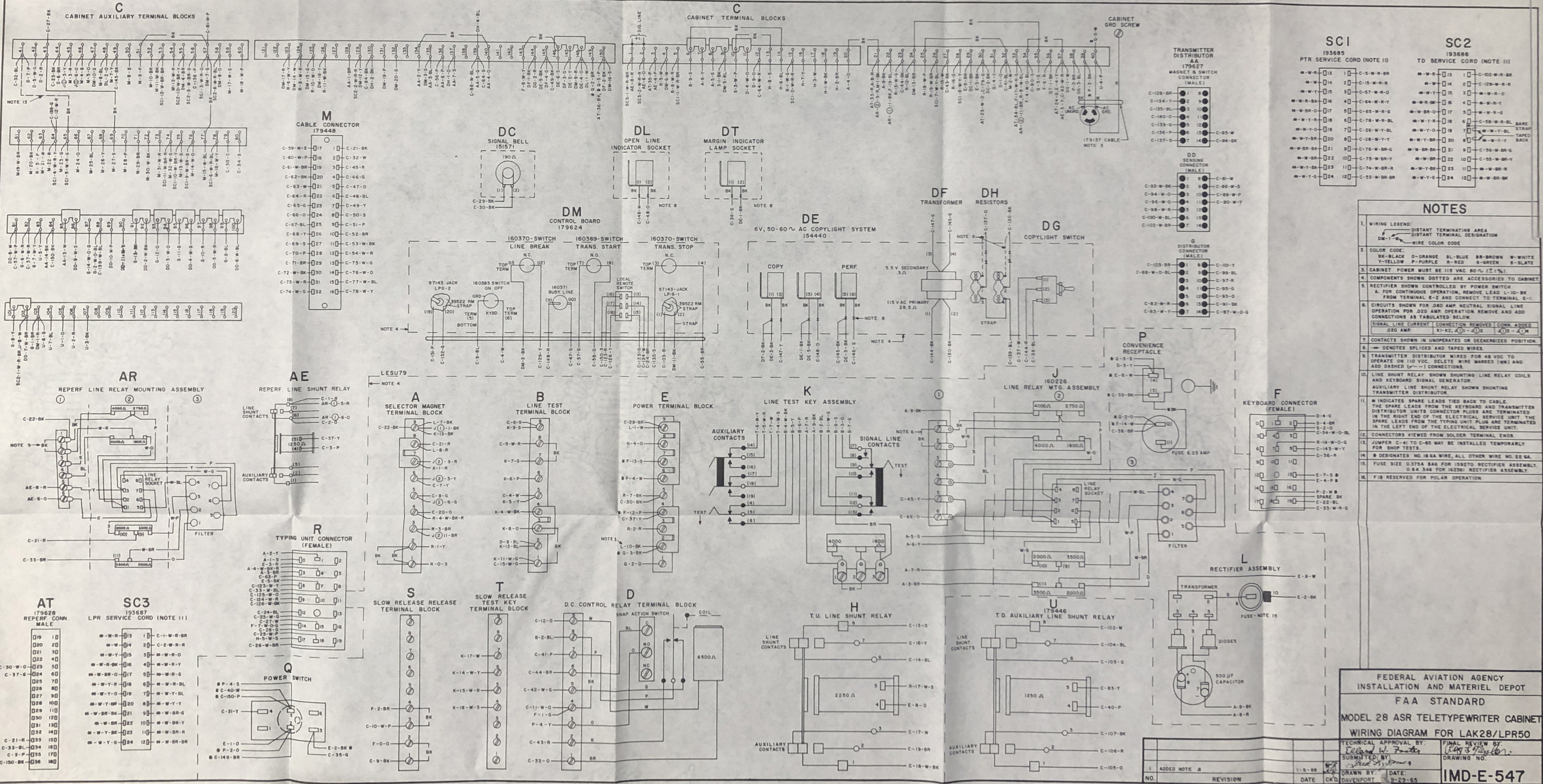
FAA STANDARD
MODEL 28 ASR TELETYPEWRITER
CABINET WIRING DIAGRAM

TECHNICAL APPROVAL BY: *[Signature]* FINAL REVIEW BY: *[Signature]*

1-5-66 DATE: 8-22-65

NO. REVISION

IMD-E-533



SCI 193685		SCI 193686	
PTR SERVICE CORD (NOTE 11)		TD SERVICE CORD (NOTE 11)	
W-R	13	C-5-W-R-BR	1
W-R	14	C-5-W-R-R	2
W-Y	15	C-5-W-R-O	3
W-R-BK	16	C-64-W-R-Y	4
W-SR-O	17	C-65-W-R-G	5
W-Y-R	18	C-78-W-R-BL	6
W-Y-O	19	C-26-W-Y-BL	7
W-T-BR	20	C-26-W-Y-Y	8
W-BR-BK	21	C-76-W-BR-G	9
W-BK	22	C-75-W-BR-Y	10
W-Y-BK	23	C-74-W-BR-R	11
W-Y-G	24	C-53-W-BR-BR	12

- ### NOTES
- WIRING LEGEND: DISTANT TERMINATING AREA DESIGNATION (DM-1) WIRE COLOR CODE
 - COLOR CODE: BK-BLACK O-ORANGE BL-BLUE BR-BROWN W-WHITE Y-YELLOW P-PURPLE R-RED G-GREEN S-SLATE
 - CABINET POWER MUST BE 115 VAC 60 Hz (±1%)
 - COMPONENTS SHOWN DOTTED ARE ACCESSORIES TO CABINET
 - RECTIFIER SHOWN CONTROLLED BY POWER SWITCH A. FOR CONTINUOUS OPERATION, REMOVE LEAD L-10-BK FROM TERMINAL E-2 AND CONNECT TO TERMINAL E-1.
 - CIRCUITS SHOWN FOR .020 AMP NEUTRAL SIGNAL LINE OPERATION FOR .020 AMP OPERATION REMOVE AND ADD CONNECTIONS AS TABULATED BELOW.
- | SIGNAL LINE CURRENT | CONNECTION REMOVED | CONN. ADDED |
|---------------------|----------------------|--------------|
| .020 AMP | K-1-K2, C-102, C-103 | C-103, C-104 |
- CONTACTS SHOWN IN UNOPERATED OR DEENERGIZED POSITION
 - DENOTES SPLICED AND TAPED WIRES
 - TRANSFORMER DISTRIBUTOR WIRED FOR 48 VDC TO OPERATE ON 110 VDC. DELETE WIRE MARKED (NR) AND ADD DASHED (—) CONNECTIONS.
 - LINE SHUNT RELAY SHUNTING LINE RELAY COILS AND KEYBOARD SIGNAL GENERATOR
 - AUXILIARY LINE SHUNT RELAY SHOWN SHUNTING TRANSMITTER DISTRIBUTOR
 - INDICATES SPARE LEADS TIED BACK TO CABLE. THE SPARE LEADS FROM THE KEYBOARD AND TRANSMITTER DISTRIBUTOR UNITS CONNECTOR PLUGS ARE TERMINATED IN THE RIGHT END OF THE ELECTRICAL SERVICE UNIT. THE SPARE LEADS FROM THE TYPING UNIT PLUG ARE TERMINATED IN THE LEFT END OF THE ELECTRICAL SERVICE UNIT.
 - CONNECTORS VIEWED FROM SOLDER TERMINAL ENDS
 - JUMPER C-41 TO C-65 MAY BE INSTALLED TEMPORARILY FOR SHOP TESTS.
 - DESIGNATES NO. 18 GA. WIRE, ALL OTHER WIRE NO. 22 GA.
 - FUSE SIZE 0.375A 3AG FOR 193670 RECTIFIER ASSEMBLY. 0.5A 3AG FOR 193671 RECTIFIER ASSEMBLY.
 - FIB RESERVED FOR POLAR OPERATION

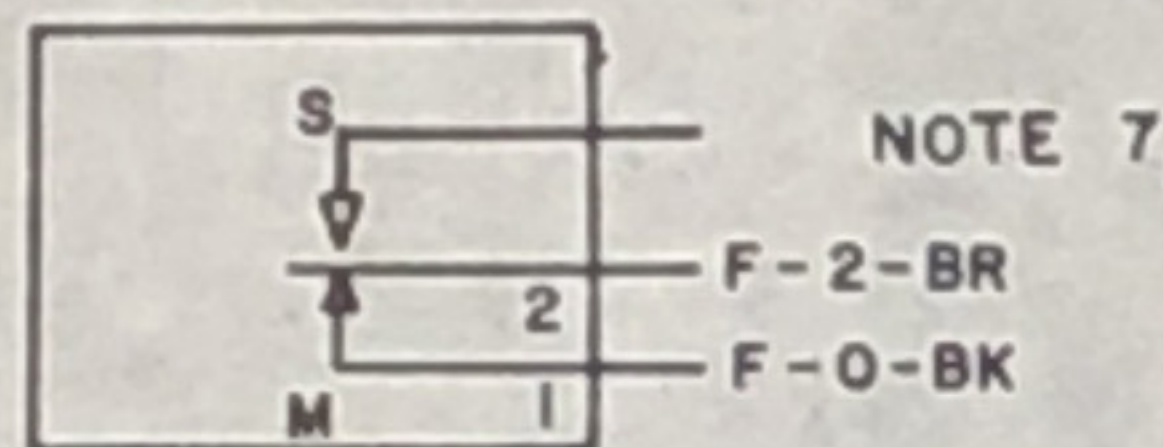
FEDERAL AVIATION AGENCY
INSTALLATION AND MATERIEL DEPOT
FAA STANDARD
MODEL 28 ASR TELETYPEWRITER CABINET
WIRING DIAGRAM FOR LAK28/LPR50

TECHNICAL APPROVAL BY: <i>Edward W. Zentler</i>	FINAL REVIEW BY: <i>Ray S. Taylor</i>
SUBMITTED BY: <i>Ray S. Taylor</i>	DRAWING NO.
ADDED NOTE #	REVISION
DATE	DATE
DAVENPORT	8-29-65

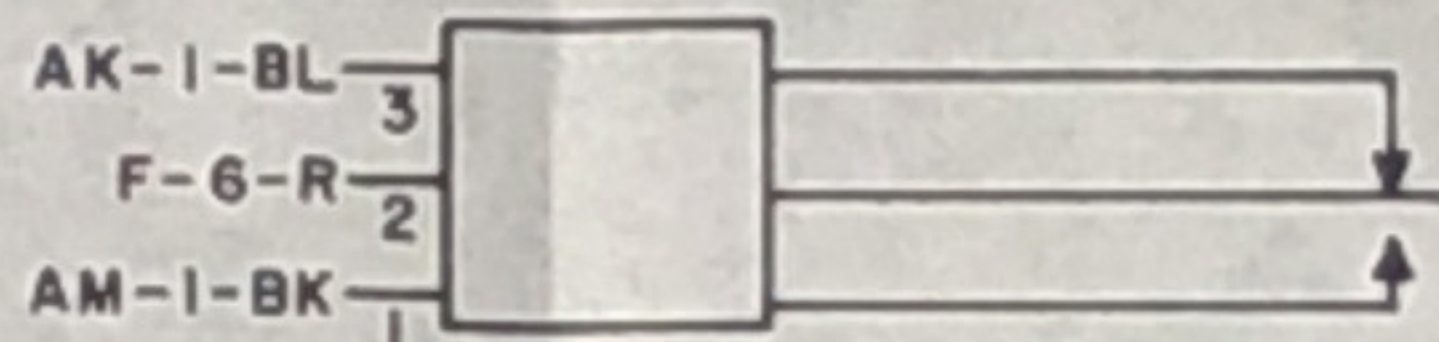
IMD-E-547

FIGURE 24. IMD E 547 FAA Standard Model 28 ASR Teletype Cabinet Wiring Diagram for LAK 28/LPR 50

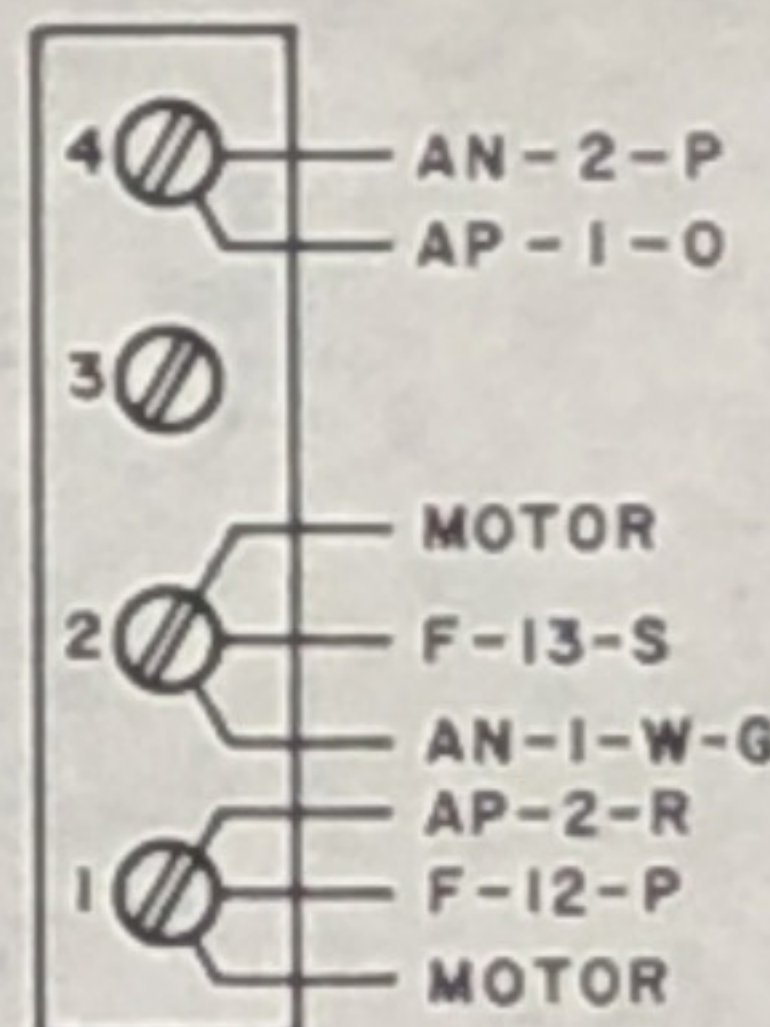
SG KEYBOARD SIGNAL GENERATOR



AG END-OF-LINE MARGIN INDICATOR SELECTOR SWITCH

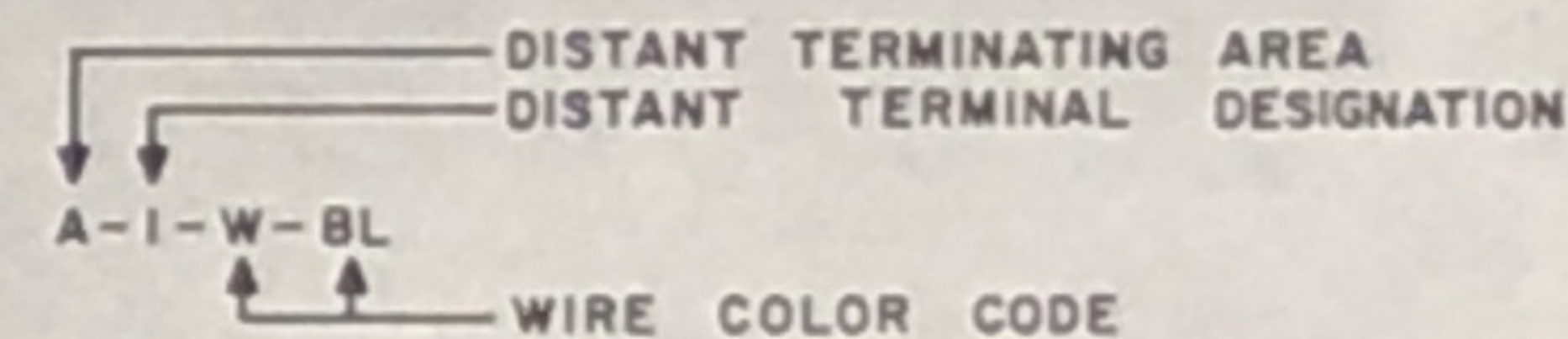


AH MOTOR TERMINAL BLOCK



NOTES

WIRING LEGEND:

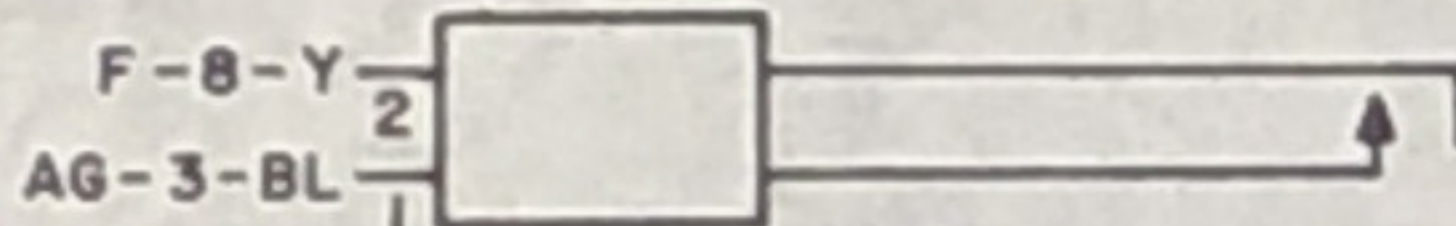


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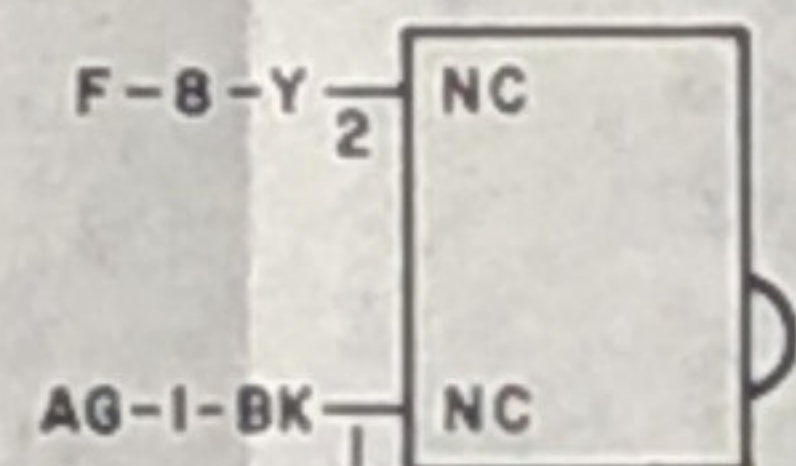
2 BK-BLACK O-ORANGE BL-BLUE BR-BROWN
Y-YELLOW P-PURPLE R-RED G-GREEN
W-WHITE S-SLATE

- 3 PLUGS VIEWED FROM SOLDER TERMINAL ENDS.
- 4 ALL CONTACTS SHOWN IN UNOPERATED POSITION.
- 5 UNIT WIRED FOR 115 VOLTS 60 Hz (±1%) POWER INPUT.
- 6 160324 CABLE.
- 7 F18 RESERVED FOR POLAR OPERATION.

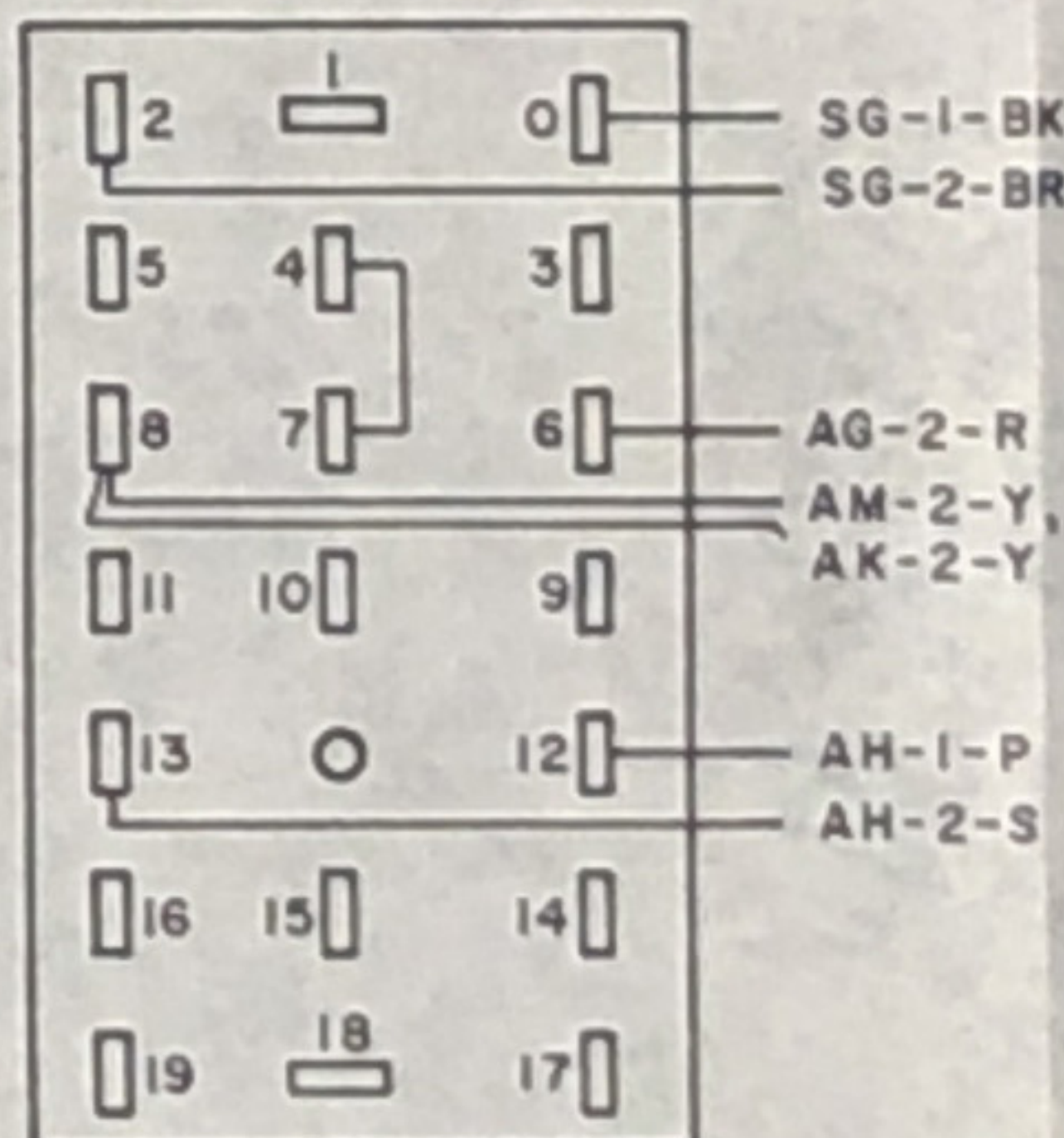
AK END-OF-LINE INDICATOR SWITCH



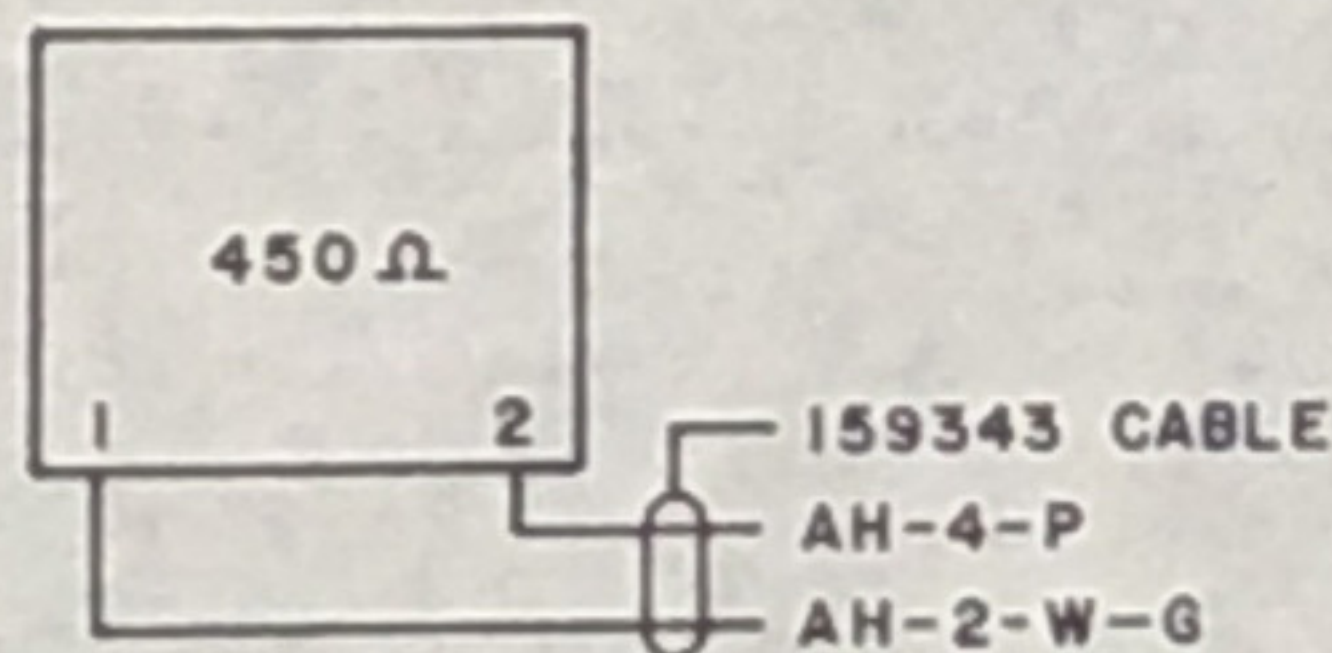
AM MARGIN INDICATOR SWITCH



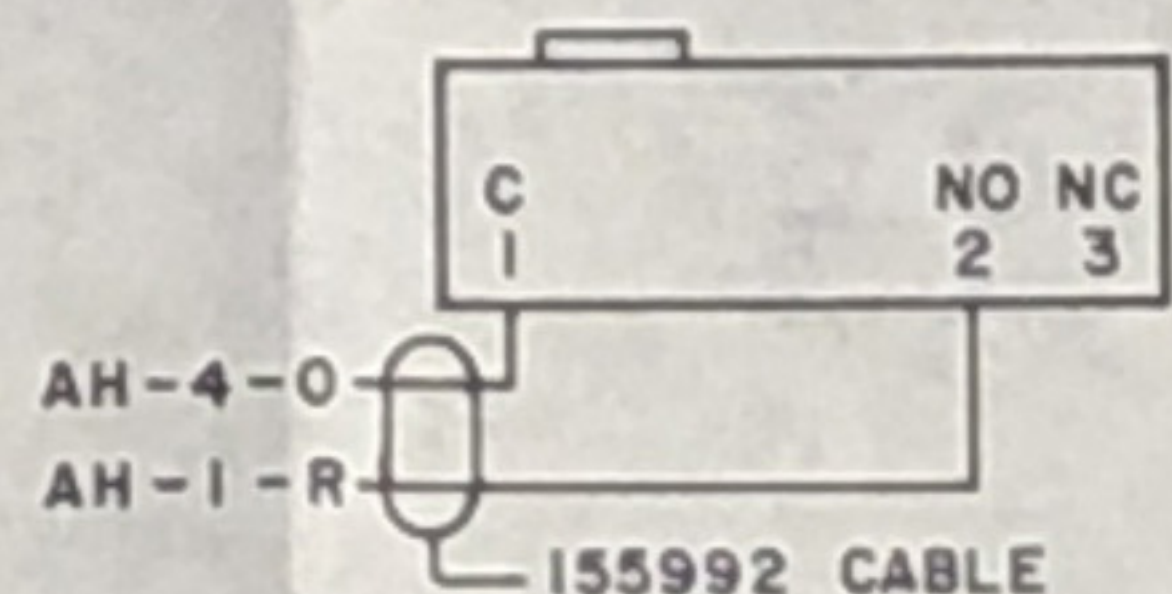
F NOTE 6 KEYBOARD CONNECTOR MALE



AN BACK-SPACE MAGNET



AP BACK-SPACE SWITCH



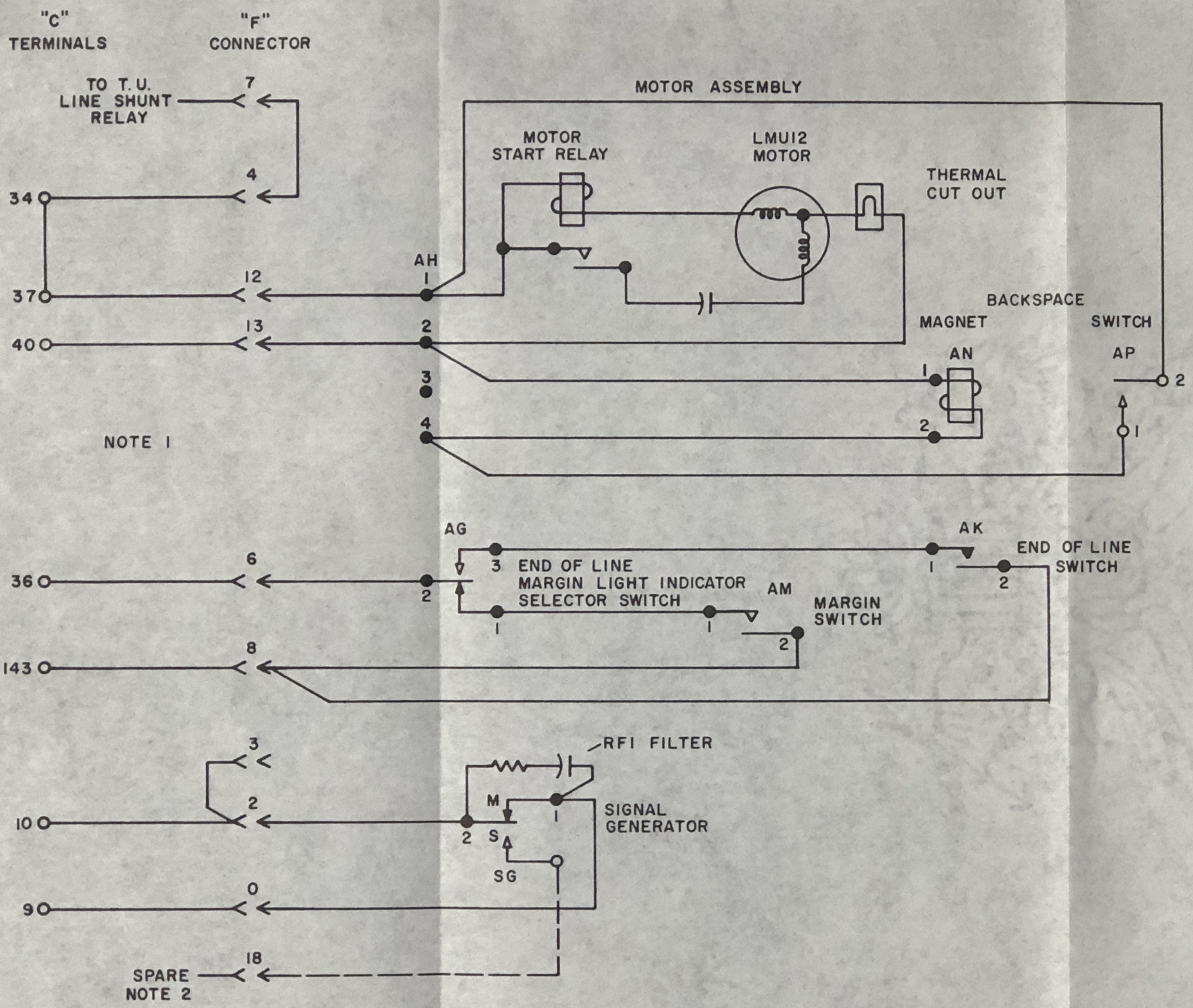
FEDERAL AVIATION AGENCY
INSTALLATION AND MATERIEL DEPOT

FAA STANDARD TELETYPEWRITER
ASR KEYBOARD (LAK6XL)

WIRING DIAGRAM

		TECHNICAL APPROVAL BY: <i>Edward W. Foster</i>		FINAL REVIEW BY: <i>Roy L. Taylor</i>	
		SUBMITTED BY: <i>Paul James</i>		DRAWING NO.	
1 ADDED NOTE NO. 7.		1-5-66		IMD-B-544	
NO.	REVISION	DATE	CK'D	DRAWN BY: DAVENPORT	DATE: 9-27-65

FIGURE 25. IMD B 544 FAA Standard Teletypewriter ASR Keyboard (LAK6XL) Wiring Diagram.



NOTE 1

SPARE NOTE 2

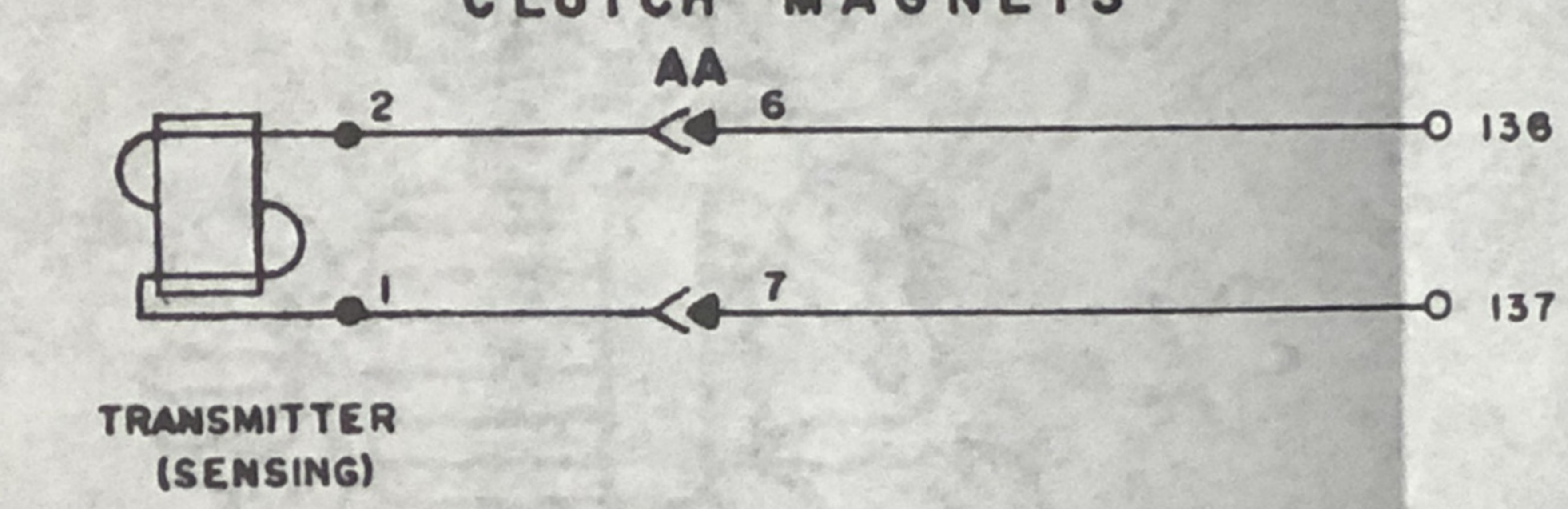
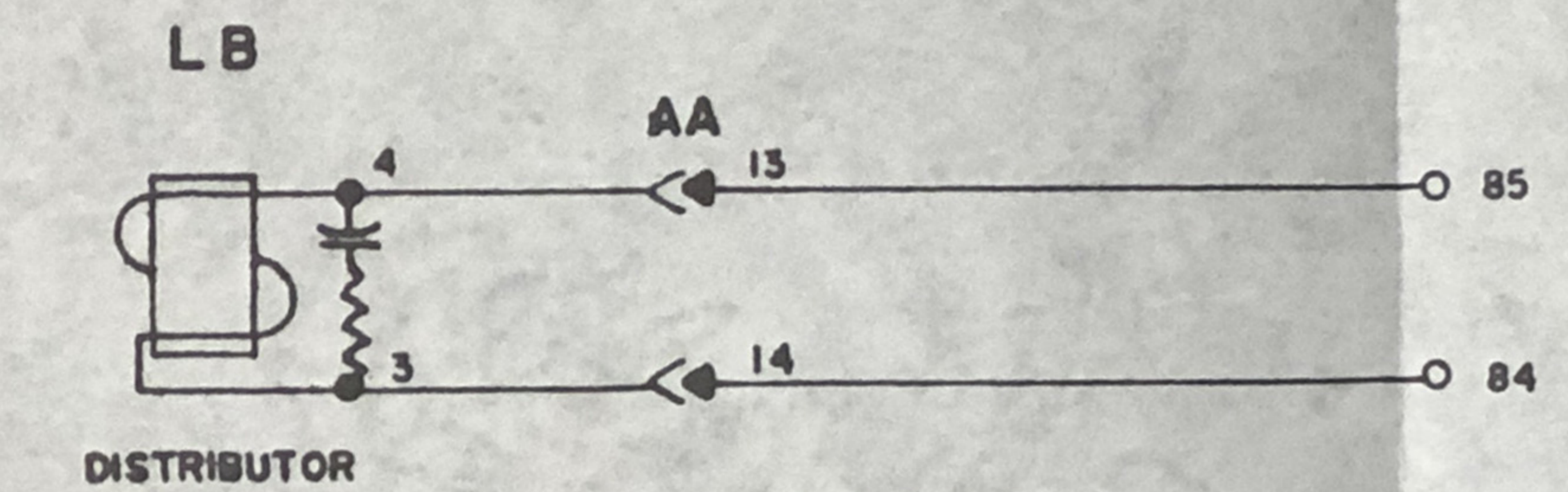
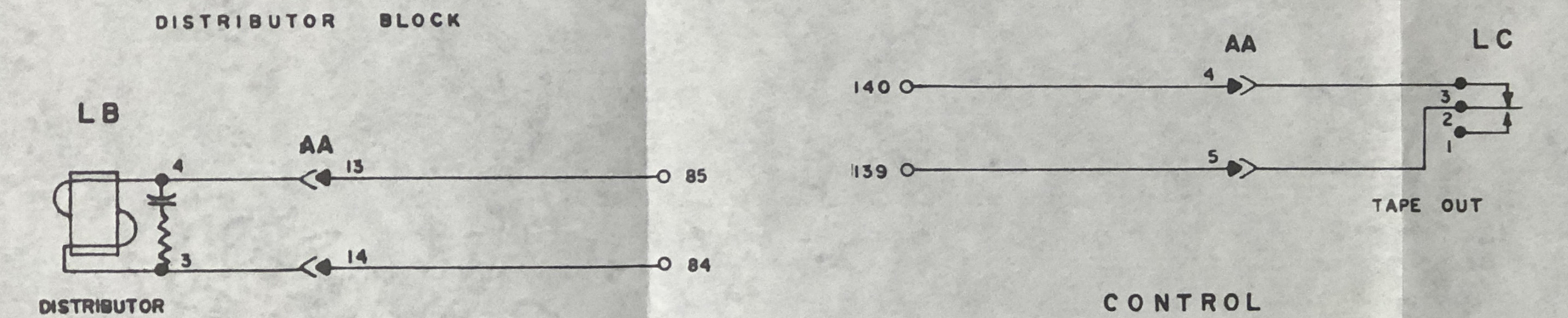
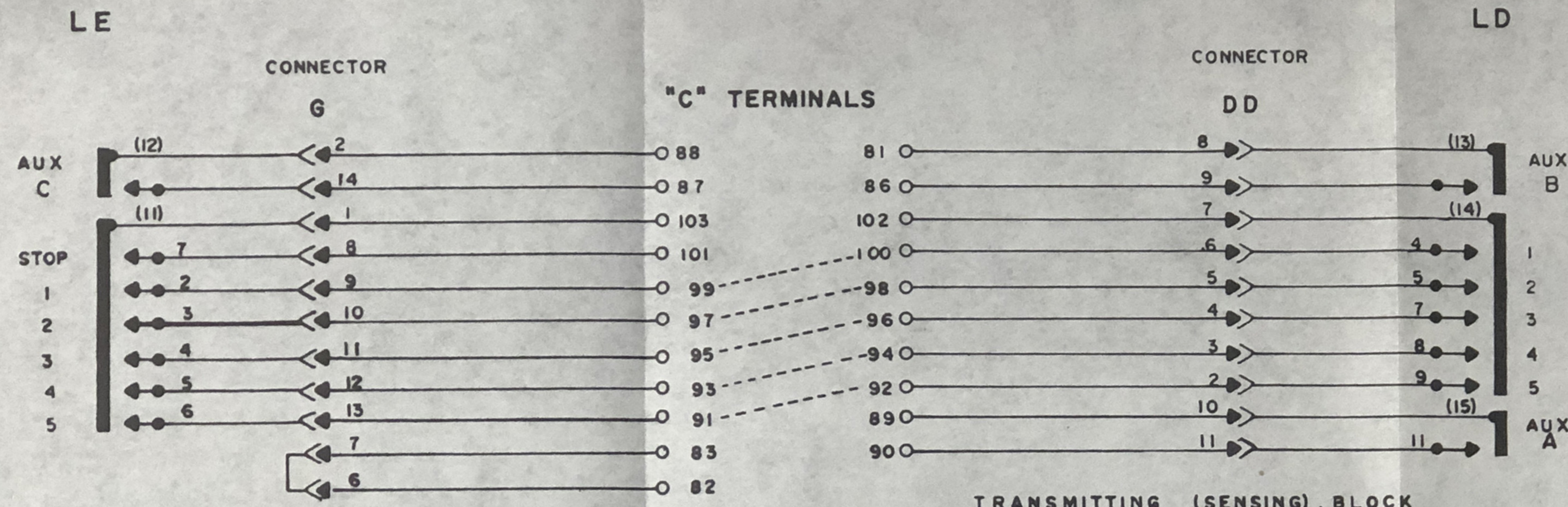
NOTES

1. INTERM TERMINAL BETWEEN "F" CONNECTOR AND "C" TERMINALS HAVE BEEN OMITTED.
2. SPARE LEAD FROM F18 IS RESERVED FOR POLAR OPERATION OF SIGNAL GENERATOR.

FEDERAL AVIATION AGENCY FAA DEPOT			
FAA STANDARD ASR KEYBOARD LAK6XL TELETYPEWRITER WIRING SCHEMATIC			
TECHNICAL APPROVAL BY <i>[Signature]</i>		FINAL REVIEW BY <i>[Signature]</i>	
SUBMITTED BY <i>[Signature]</i>		DRAWING NO.	
NO.	REVISION	DATE	CK'D
		DR. BY LED	DATE 9-27-65
			IMD-B-544-1

FIGURE 26. IMD B 544-1 FAA Standard ASR Keyboard LAK6XL Teletypewriter Wiring Schematic.

NO	NOTES



FEDERAL AVIATION AGENCY
FAA DEPOT

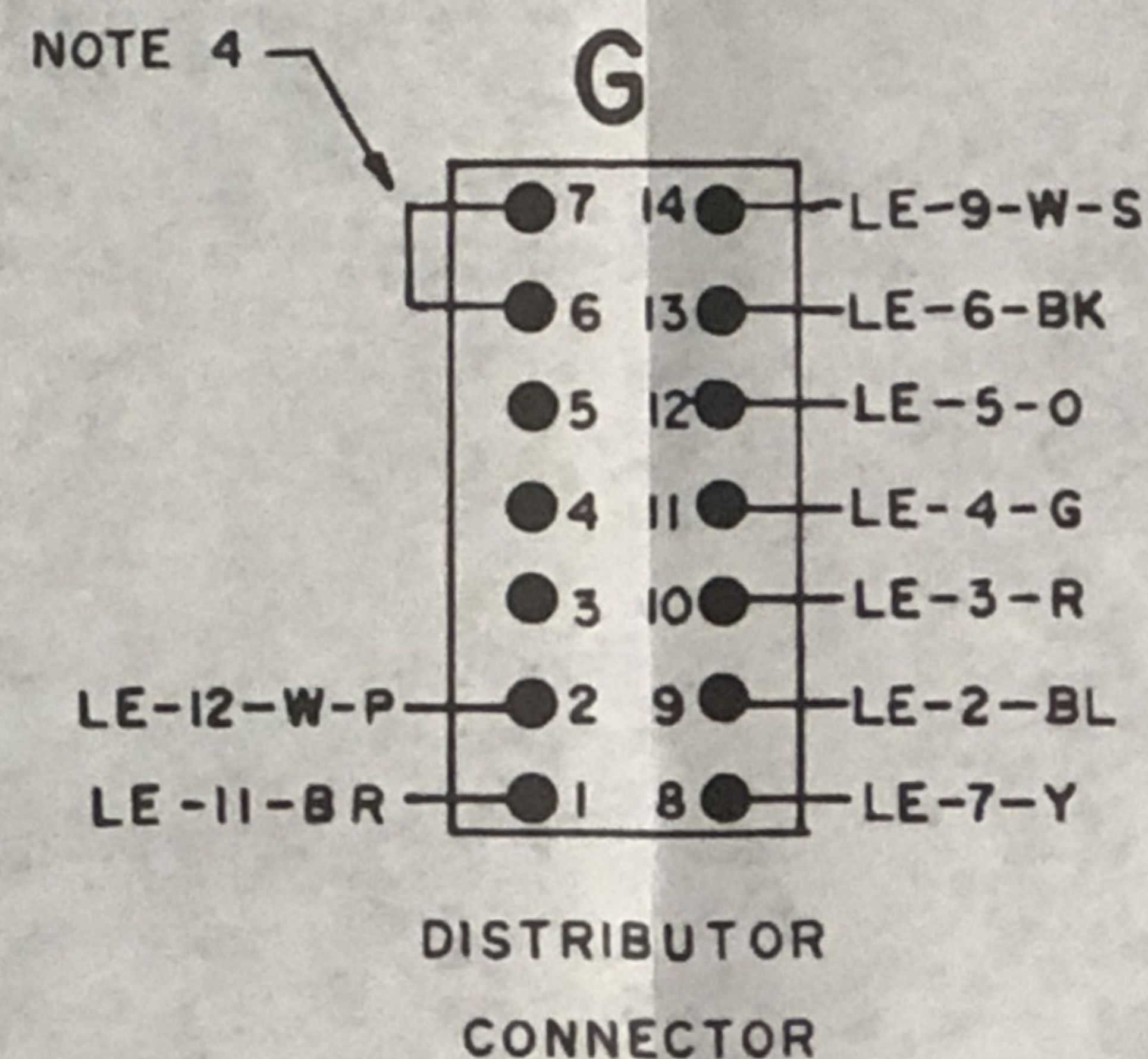
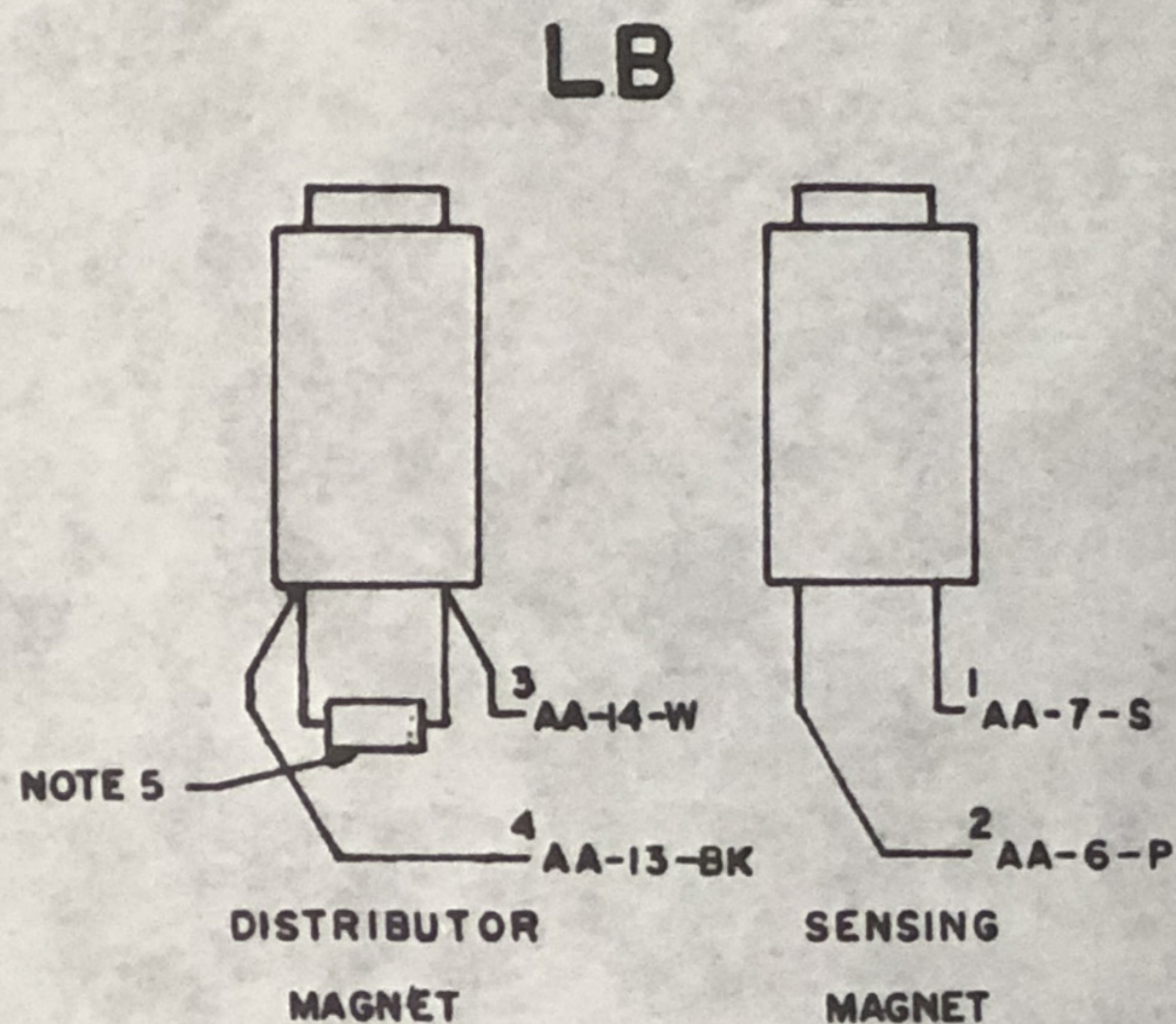
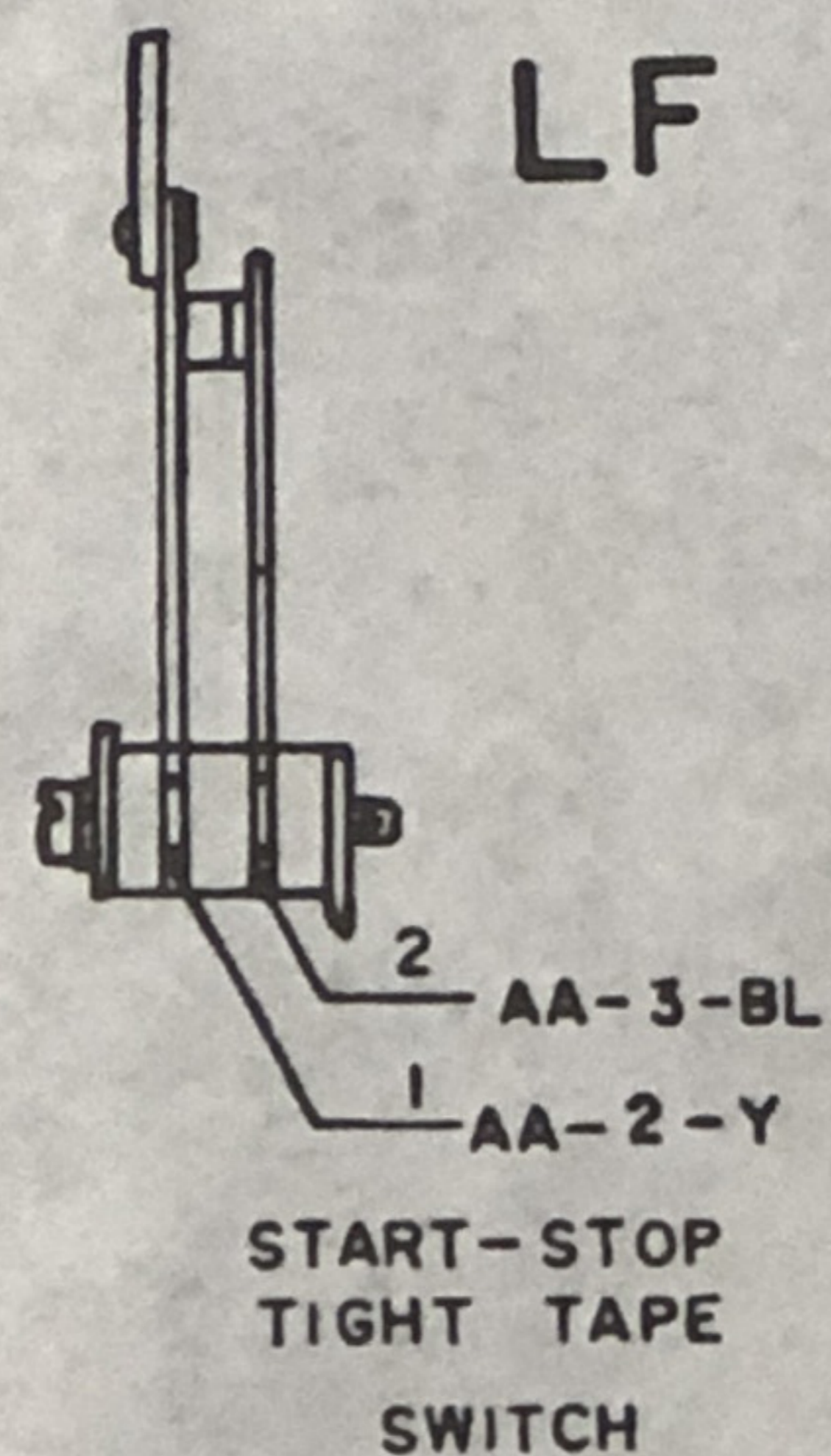
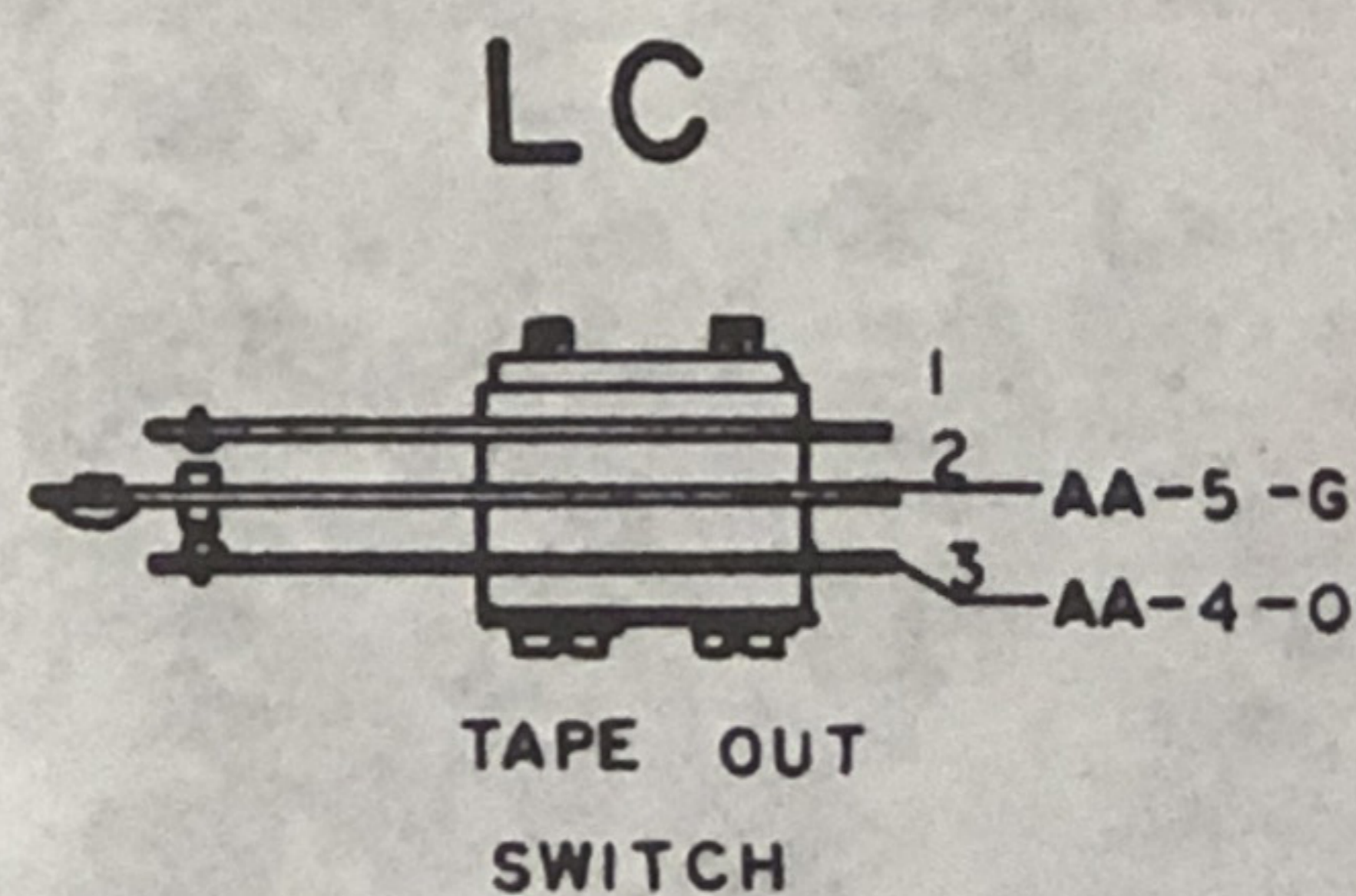
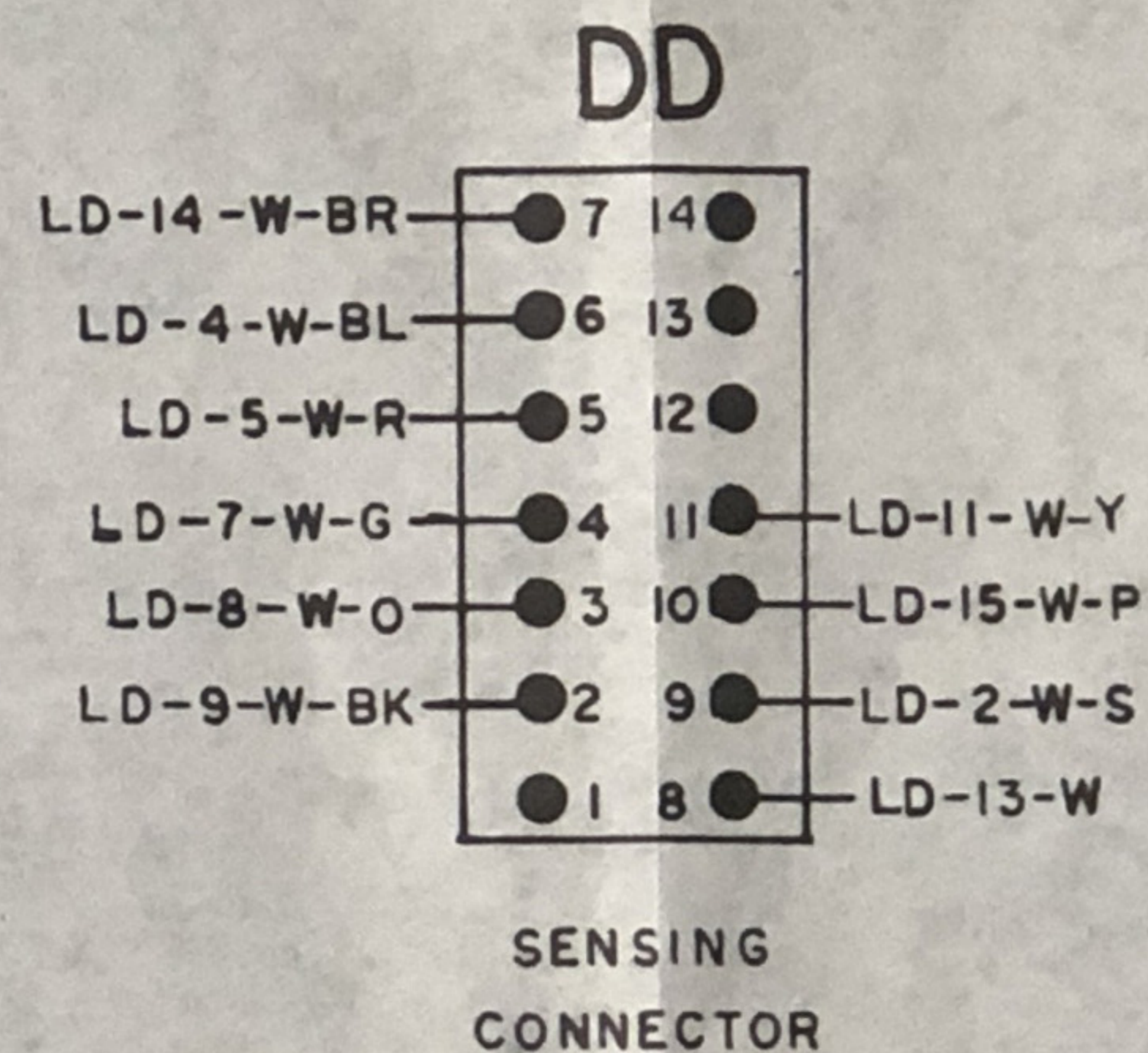
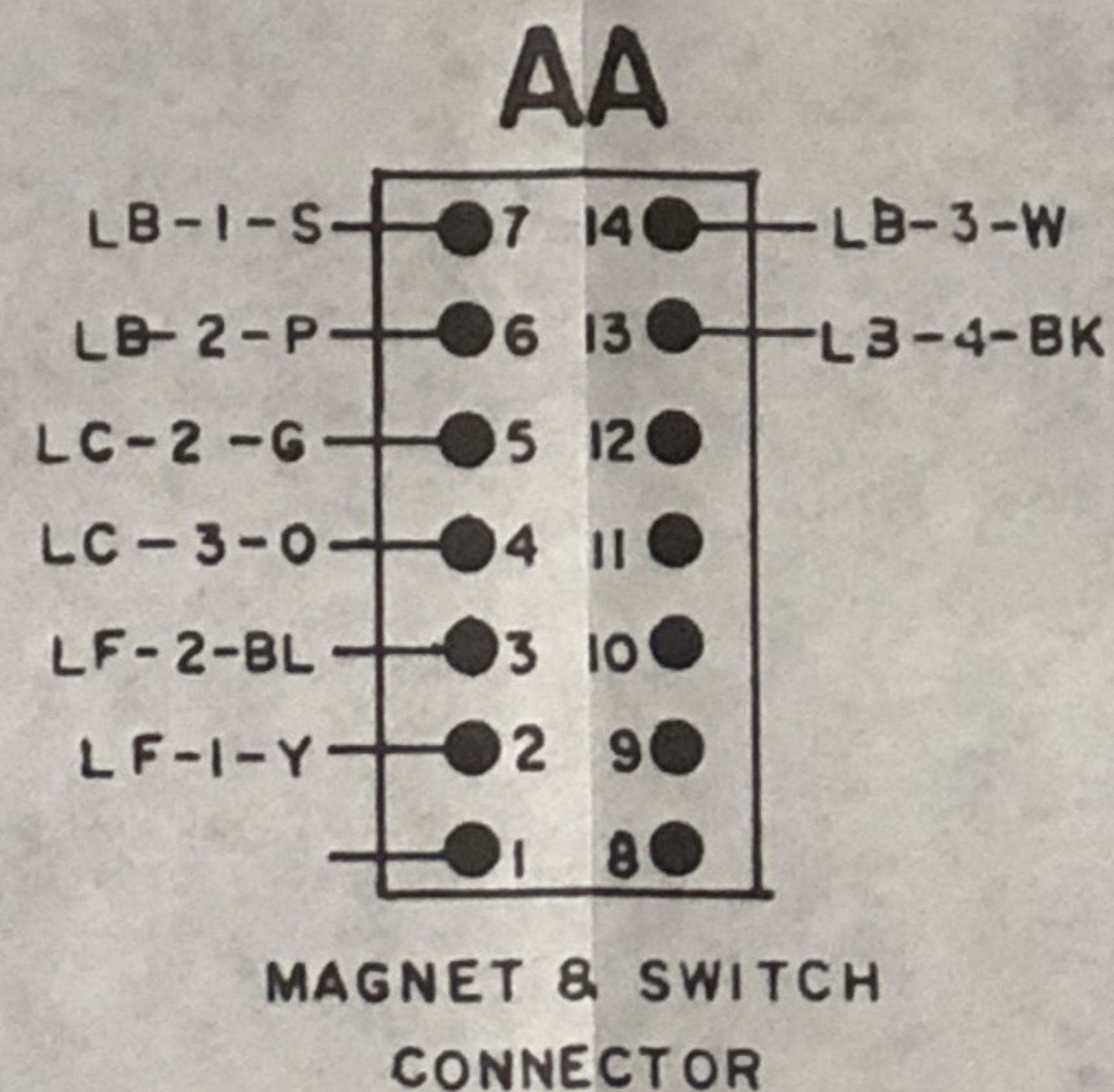
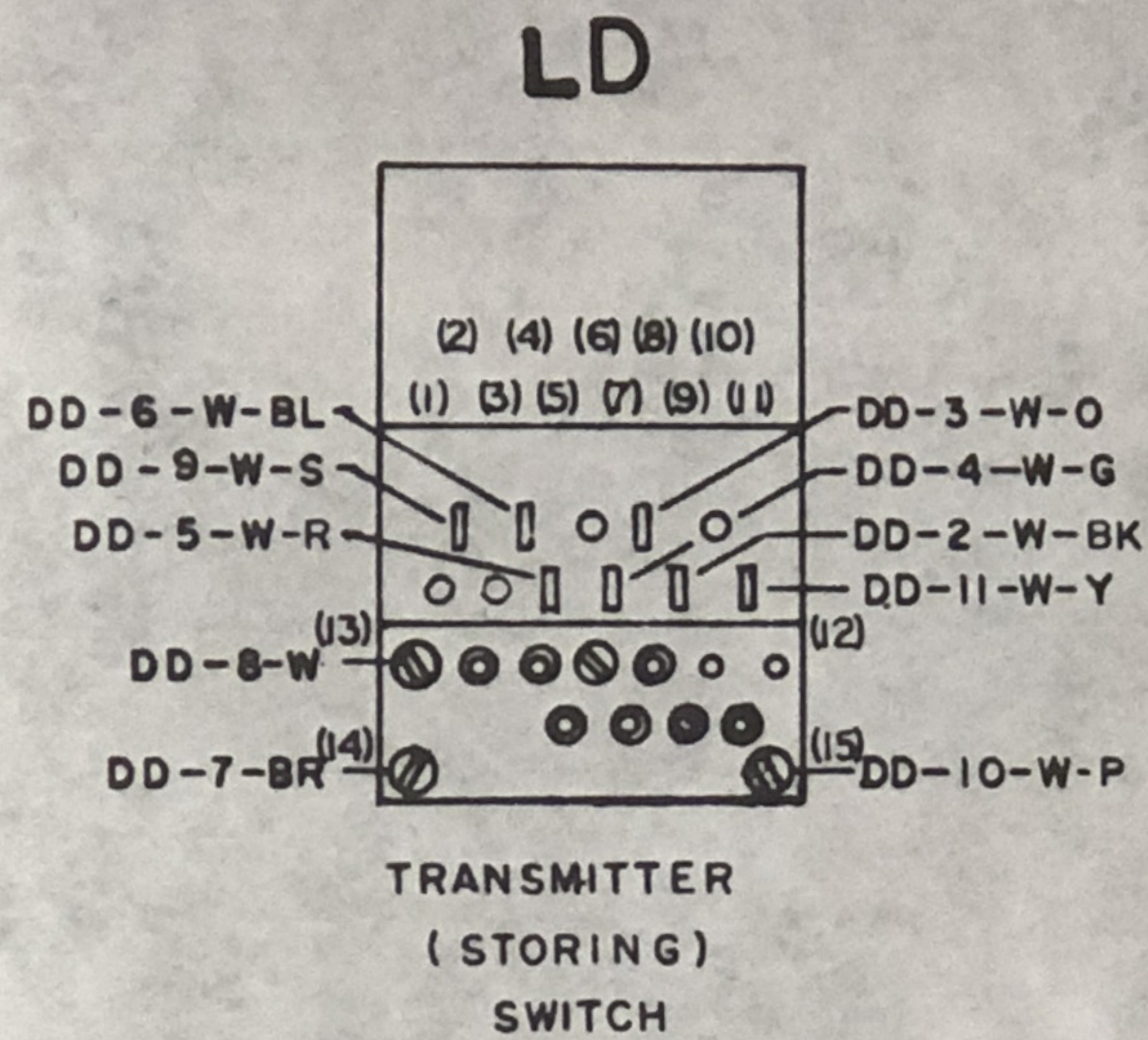
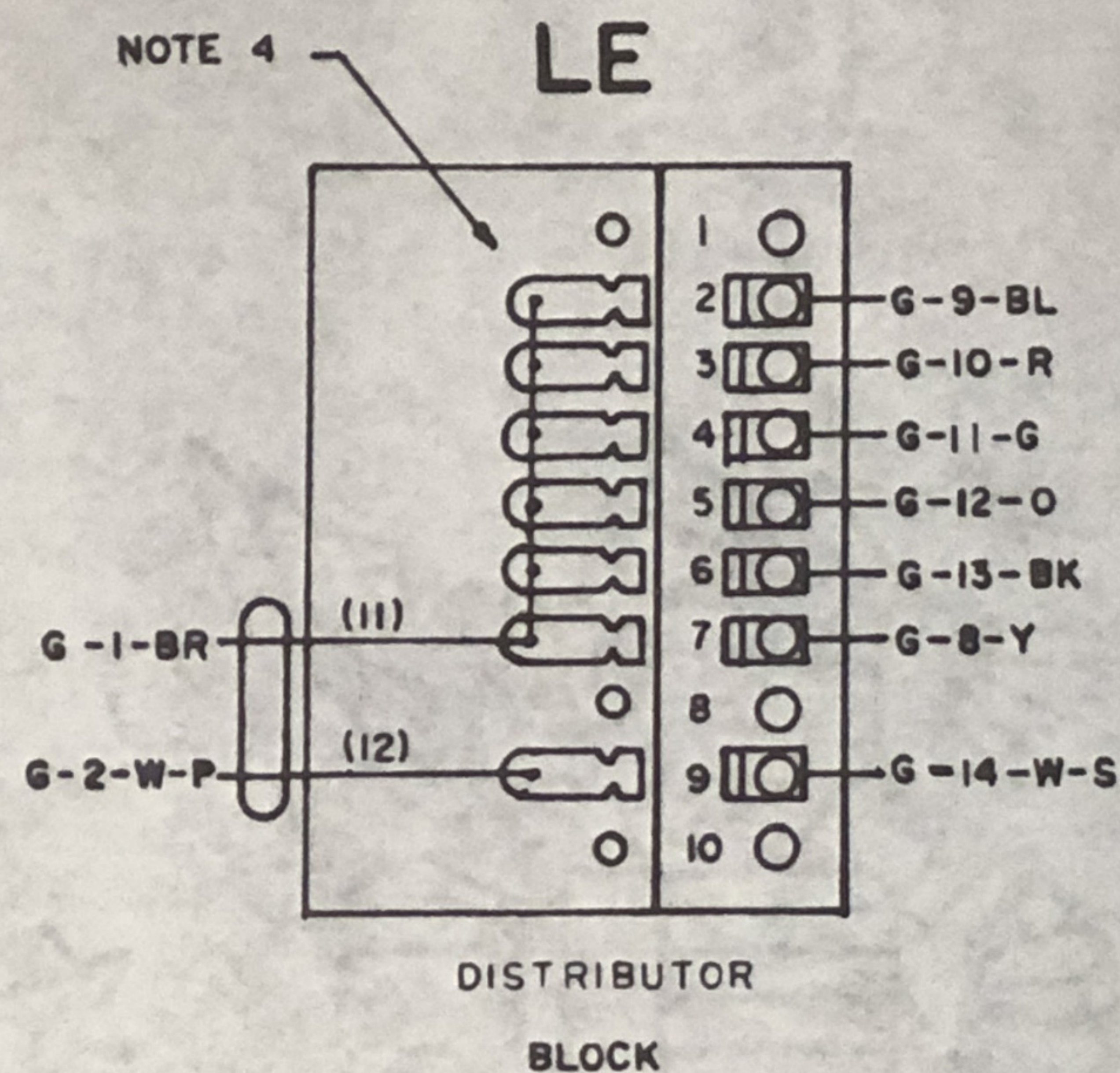
FAA STANDARD
ASR TRANSMITTER DISTRIBUTOR
—LBXD4 SCHEMATIC—

TECHNICAL APPROVAL BY <i>[Signature]</i>	FINAL REVIEW BY <i>[Signature]</i>
SUBMITTED BY <i>[Signature]</i>	DRAWING NO.
DR. BY F. L. J.	DATE II-3-65

FAAD-B-123

NO.	REVISION	DATE	CK'D

FIGURE 27. FAAD B 123 FAA Standard ASR Transmitter Distributor LBXD4 Schematic.



NO.	NOTES																		
1.	<p>WIRING LEGEND:</p> <p>DISTANT TERMINAL AREA</p> <p>DISTANT TERMINAL DESIGNATED</p> <p>WIRE COLOR</p>																		
2.	<p>COLOR CODE</p> <table border="0"> <tr> <td>BK-BLACK</td> <td>W-BK-WHITE BLACK</td> </tr> <tr> <td>BL-BLUE</td> <td>W-BL-WHITE BLUE</td> </tr> <tr> <td>BR-BROWN</td> <td>W-BR-WHITE BROWN</td> </tr> <tr> <td>G-GREEN</td> <td>W-G-WHITE GREEN</td> </tr> <tr> <td>O-ORANGE</td> <td>W-O-WHITE ORANGE</td> </tr> <tr> <td>P-PURPLE</td> <td>W-P-WHITE PURPLE</td> </tr> <tr> <td>R-RED</td> <td>W-R-WHITE RED</td> </tr> <tr> <td>S-SLATE</td> <td>W-S-WHITE SLATE</td> </tr> <tr> <td>W-WHITE</td> <td>W-Y-WHITE YELLOW</td> </tr> </table>	BK-BLACK	W-BK-WHITE BLACK	BL-BLUE	W-BL-WHITE BLUE	BR-BROWN	W-BR-WHITE BROWN	G-GREEN	W-G-WHITE GREEN	O-ORANGE	W-O-WHITE ORANGE	P-PURPLE	W-P-WHITE PURPLE	R-RED	W-R-WHITE RED	S-SLATE	W-S-WHITE SLATE	W-WHITE	W-Y-WHITE YELLOW
BK-BLACK	W-BK-WHITE BLACK																		
BL-BLUE	W-BL-WHITE BLUE																		
BR-BROWN	W-BR-WHITE BROWN																		
G-GREEN	W-G-WHITE GREEN																		
O-ORANGE	W-O-WHITE ORANGE																		
P-PURPLE	W-P-WHITE PURPLE																		
R-RED	W-R-WHITE RED																		
S-SLATE	W-S-WHITE SLATE																		
W-WHITE	W-Y-WHITE YELLOW																		
3.	CONNECTORS VIEWED FROM SOLDER TERMINAL END.																		
4.	# 22 WIRE STRAP.																		
5.	ARC SUPPRESSION NETWORK.																		

FEDERAL AVIATION AGENCY FAA DEPOT	
FAA STANDARD ASR TRANSMITTER DISTRIBUTOR LBXD4 WIRING DIAGRAM	
TECHNICAL APPROVAL BY <i>[Signature]</i> SUBMITTED BY <i>[Signature]</i>	FINAL REVIEW BY <i>[Signature]</i> DRAWING NO. FAAD-B-122
NO.	REVISION
DATE	CK'D
DR. BY FLJ	DATE 10-29-65

FIGURE 28. FAAD B 122 FAA Standard ASR Transmitter Distributor LBXD4 Wiring Schematic.