

BELL SYSTEM PRACTICES
Teletypewriter and Data Stations

SECTION P34.317
Issue 4, April, 1961
AT&T Co Standard

28F, F-1, H, AND J ELECTRICAL SERVICE UNITS WIRING DIAGRAM

1. GENERAL

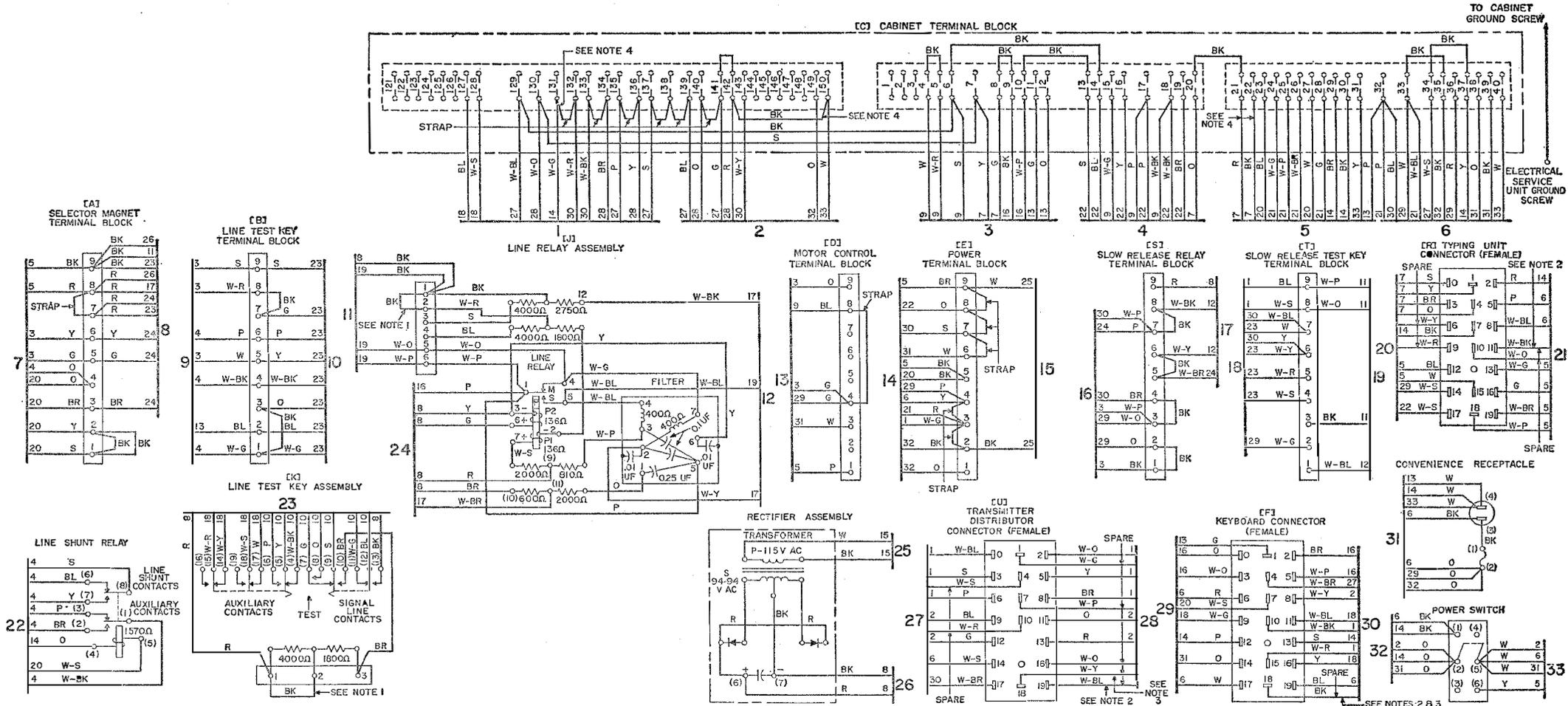
1.01 This section shows the wiring of the 28F, F-1, H, and J electrical service units for use with the 28G cabinet used with the 28 automatic send-receive set.

1.02 This section is reissued to incorporate the addendum and to add Note 5 to the wiring for the 28H electrical service unit.

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28F Electrical Service Unit

28F ELECTRICAL SERVICE UNIT

NOTES:

1. CIRCUITS SHOWN FOR .060 AMP NEUTRAL SIGNAL LINE OPERATION. FOR .020 AMP OPERATION REMOVE AND ADD CONNECTIONS AS TABULATED BELOW:

SIGNAL LINE CURRENT	.020 AMP
CONNECTION REMOVED	K1-K2, J1-J2
CONNECTIONS ADDED	J3-J4

2. 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.
3. SPARE LEADS FROM F-18 AND U18 ARE RESERVED FOR POLAR OPERATION OF KEYBOARD AND TRANSMITTER DISTRIBUTOR SIGNAL GENERATORS.
4. ELECTRICAL SERVICE UNIT AND CABINET ARE SHOWN WIRED FOR OPERATION OF START MAGNET OF 28E OR 28H TRANSMITTER DISTRIBUTOR ON AC. WHEN 120 VOLTS DC IS TO BE USED WIRE AS FOLLOWS:

OMIT C-131 TO C-132
C-142 TO C-150

ADD C-21 TO C-142
C-22 TO C-132

IF A 28F OR 28G TRANSMITTER DISTRIBUTOR UNIT IS INSTALLED ALSO ADD:

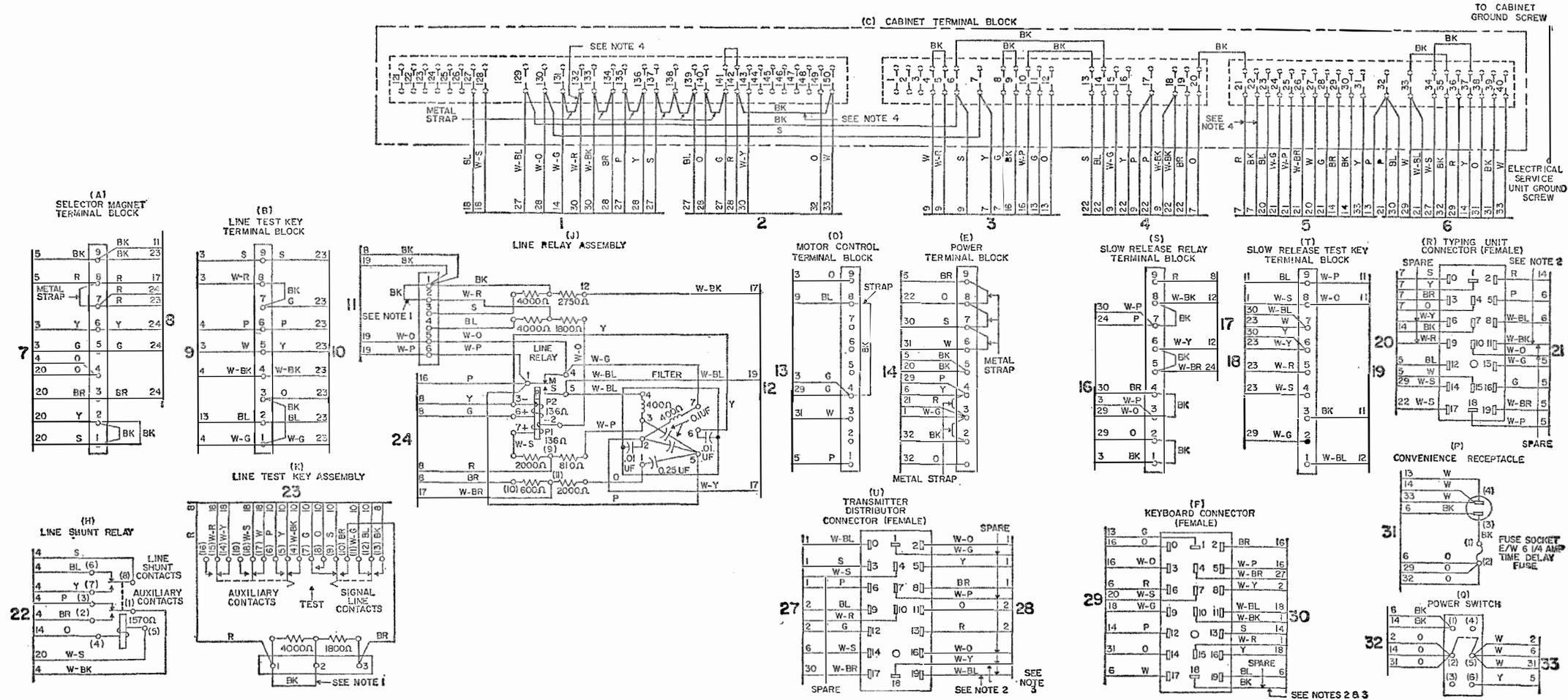
C-83* TO C-132
C-82* TO C-142

*C-82 AND C-83 ARE SHOWN ON 28F AND 28G TRANSMITTER DISTRIBUTOR HOUSING DRAWING.

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28F-1 Electrical Service Unit

28F-1 ELECTRICAL SERVICE UNIT

NOTES:

1. CIRCUITS SHOWN FOR .060 AMP NEUTRAL SIGNAL LINE OPERATION. FOR .020 AMP OPERATION REMOVE AND ADD CONNECTIONS AS TABULATED BELOW:

SIGNAL LINE CURRENT	.020 AMP
CONNECTION REMOVED	K1-K2, J1-J2
CONNECTIONS ADDED	J3-J4

2. 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.
3. SPARE LEADS FROM F-18 AND U18 ARE RESERVED FOR POLAR OPERATION OF KEYBOARD AND TRANSMITTER DISTRIBUTOR SIGNAL GENERATORS.
4. ELECTRICAL SERVICE UNIT AND CABINET ARE SHOWN WIRED FOR OPERATION OF START MAGNET OF 28E OR 28H TRANSMITTER DISTRIBUTOR ON AC. WHEN 120 VOLTS DC IS TO BE USED WIRE AS FOLLOWS:

OMIT C-131 TO C-132
C-142 TO C-150

ADD C-21 TO C-142
C-22 TO C-132

IF A 28F OR 28G TRANSMITTER DISTRIBUTOR UNIT IS INSTALLED ALSO ADD:

C-83* TO C-132
C-82* TO C-142

*C-82 AND C-83 ARE SHOWN ON 28F AND 28G TRANSMITTER DISTRIBUTOR HOUSING DRAWING.

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28H ELECTRICAL SERVICE UNIT

NOTES:

1. CIRCUITS SHOWN FOR 0.060 AMP NEUTRAL SIGNAL LINE OPERATION. FOR 0.020 AMP OPERATION, REMOVE AND ADD CONNECTIONS AS TABULATED BELOW:

SIGNAL LINE CURRENT	0.020 AMP
CONNECTION REMOVED	A1-A4, A2-A3, K1-K2
CONNECTIONS ADDED	A1-A2

2. 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.
3. SPARE LEADS FROM F-18 AND U-18 ARE RESERVED FOR POLAR OPERATION OF KEYBOARD AND TRANSMITTER DISTRIBUTOR SIGNAL GENERATORS.
4. TERMINALS C1-C3 RESERVED FOR CUSTOMERS USE.
5. 28H WIRED FOR USE WITH THE 28E OR 28H TRANS-DIST UNIT. WHEN THE 28F OR 28G TRANS-DIST UNIT IS USED OMIT:
C-131 TO C-132
C-142 TO C-150

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