

**SERVICE**  
**1A1 KEY TELEPHONE SYSTEM**  
**200F, G, AND K PACKAGED KEY TELEPHONE UNITS**

**1. GENERAL**

**1.01** This section provides connections for the 200F (MD), 200G (MD) and 200K (MD) type Key Telephone Units.

**1.02** Information in this section was formerly contained in Sections 518-210-400, 518-210-401, and 518-210-403, respectively, which are hereby canceled.

**1.03** Refer to Division 518, sections entitled: Reference, 1A1, Packaged Key Telephone Units, Identification, and Reference, 1A1, Key Telephone Units, for identification information and functional schematics of the various KTUs.

**2. CONNECTIONS**

**2.01** When 10 volts ac is used for station lamps, the KS-15900, List 1 interrupter may also be operated from the same source. The interrupter

motor load is approximately 300 milliamperes. This is equivalent to about eight 51A lamps.

**2.02** A J86731D, List 1 power plant is provided in the 200K-type key telephone unit to furnish 10-volt ac power.

**2.03** An externally mounted power unit must be provided for the 200F- and G-type KTUs.

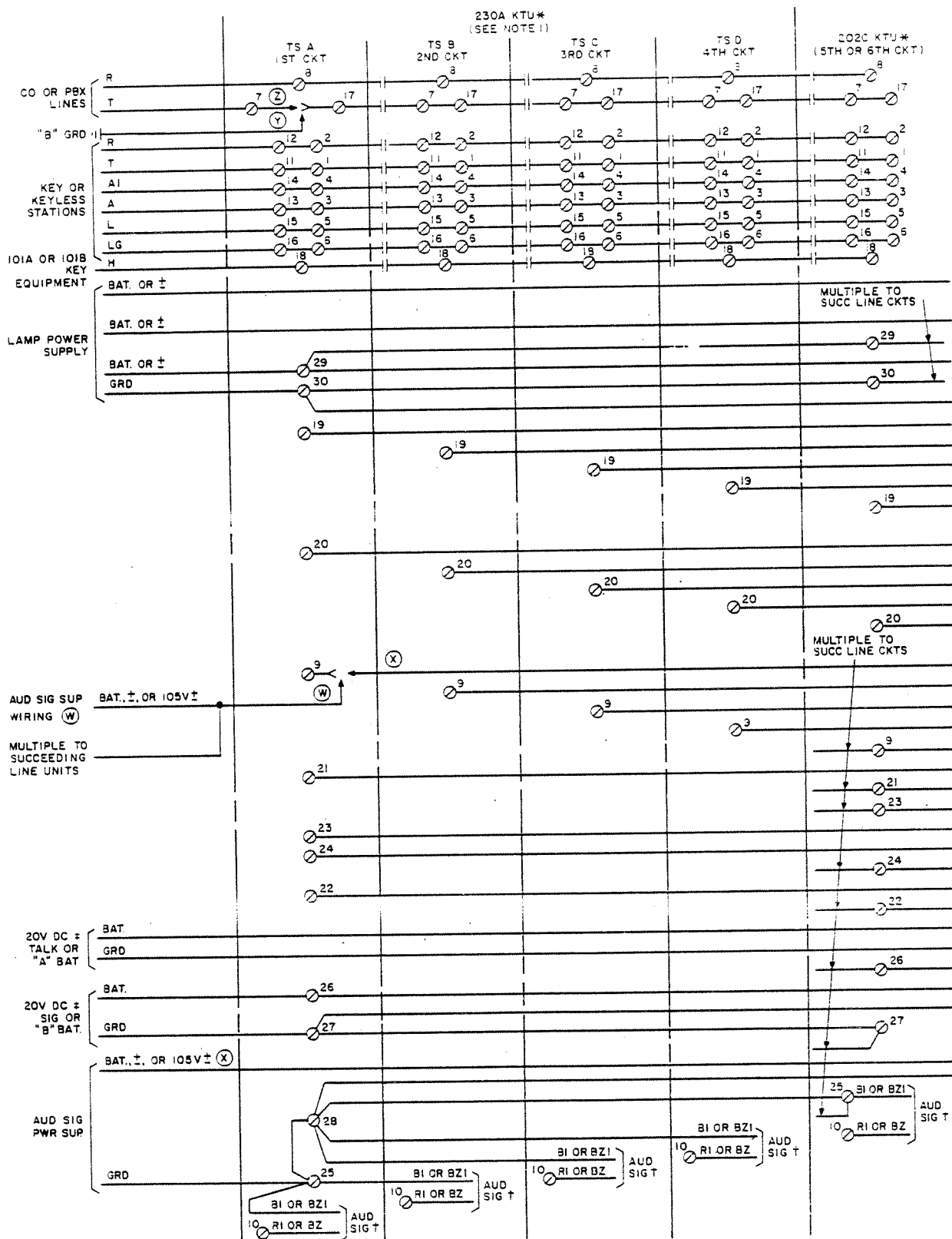
**2.04** Tables A, B, and C show the running cable connections for the 200F-, G-, and K-type KTUs, respectively.

**2.05** Fig. 1 and 2, 3 and 4, and 5 and 6 provide strapping between KTUs and power connections for the 200F-, G-, and K-type KTUs, respectively.

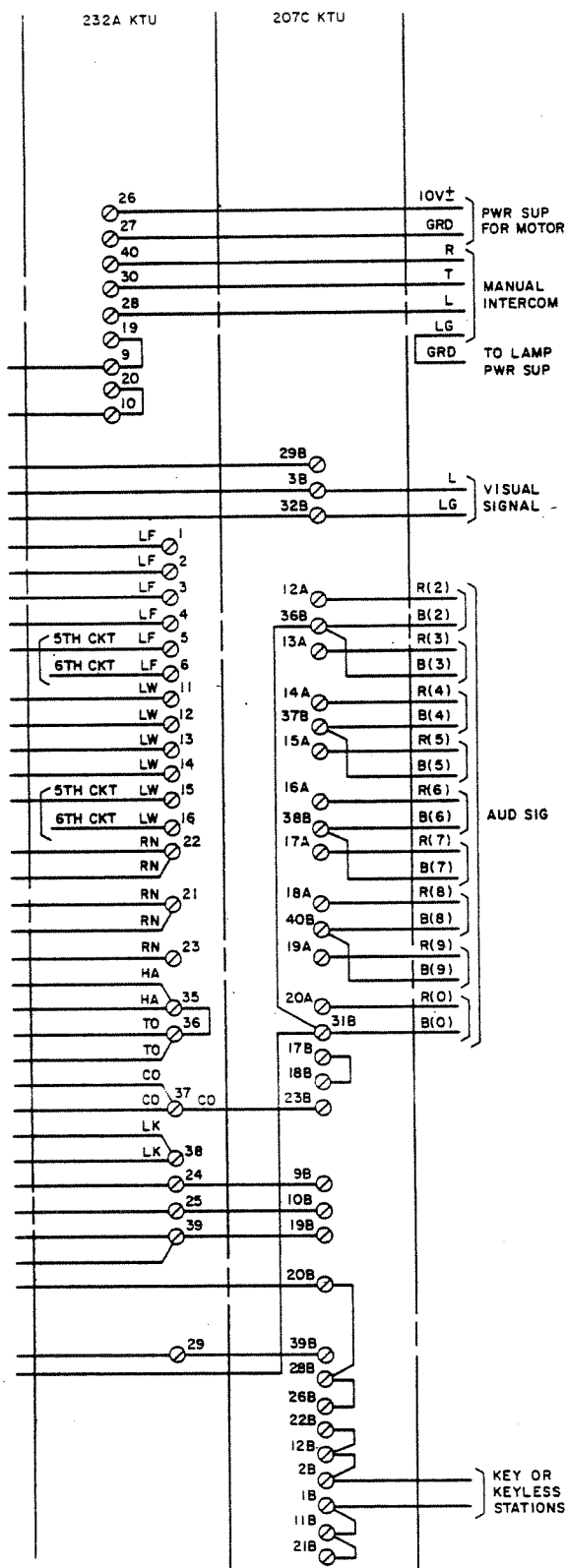
**2.06** Table D provides audible and visual signaling options for the 200-type KTUs.

**2.07** For further information, refer to CD- and SD-69352-01 for the 200F-, CD- and SD-69353-01 for the 200G- and CD- and SD-69361-01 for the 200K-type KTUs.

\*\*Reprinted to comply with modified final judgment.



**Fig. 1—200F-Type KTU (202C, 230A, 232A, and 207C) Connections and Strappings (Sheet 1)**



## NOTES:

1. SYMBOL ( || ) MEANS DO NOT STRAP ADJACENT TERMINALS. RUN LEADS TO LOCATION INDICATED BY LEGEND.
2. FOR THE 230A BATTERY AND GROUND ARE TERMINATED ON TERMINAL STRIP A AND STRAPPED INTERNALLY.
3. MAXIMUM 20 LAMPS PER L LEAD
4. WHEN STEADY HOLD LAMP IS REQUIRED INSTEAD OF LAMP WINK PROVIDE STRAPS AS FOLLOWS:  
202C KTU - TERM. 20 AND 29  
230A KTU - TERM. 20 A,B,C,D AND 29A

CAUTION: IF PACKAGE INTERRUPTER IS USED TO FURNISH LAMP WINK FOR OTHER SYSTEMS, DISCONNECT AND TAPE LW LEADS AT TERM. 20 OF EACH LINE CIRCUIT NOT USING THE WINK FEATURE.

\* FURNISHED WIRED FOR METALLIC RINGING AND INTERRUPTED AUDIBLE. CAN BE WIRED FOR GROUNDED RINGING, AND STEADY AUDIBLE SEE SECTION ENTITLED "REFERENCE-1A1 KEY TELEPHONE UNITS".

† FOR COMMON AUDIBLE, STRAP ALL NO. 10 TERMINALS.

\* A AND B GROUNDS MUST BE CONNECTED TOGETHER AT POWER SUPPLY.

Fig. 1—200F-Type KTU (202C, 230A, 2232A, and 207C) Connecting and Strappings (Sheet 2)

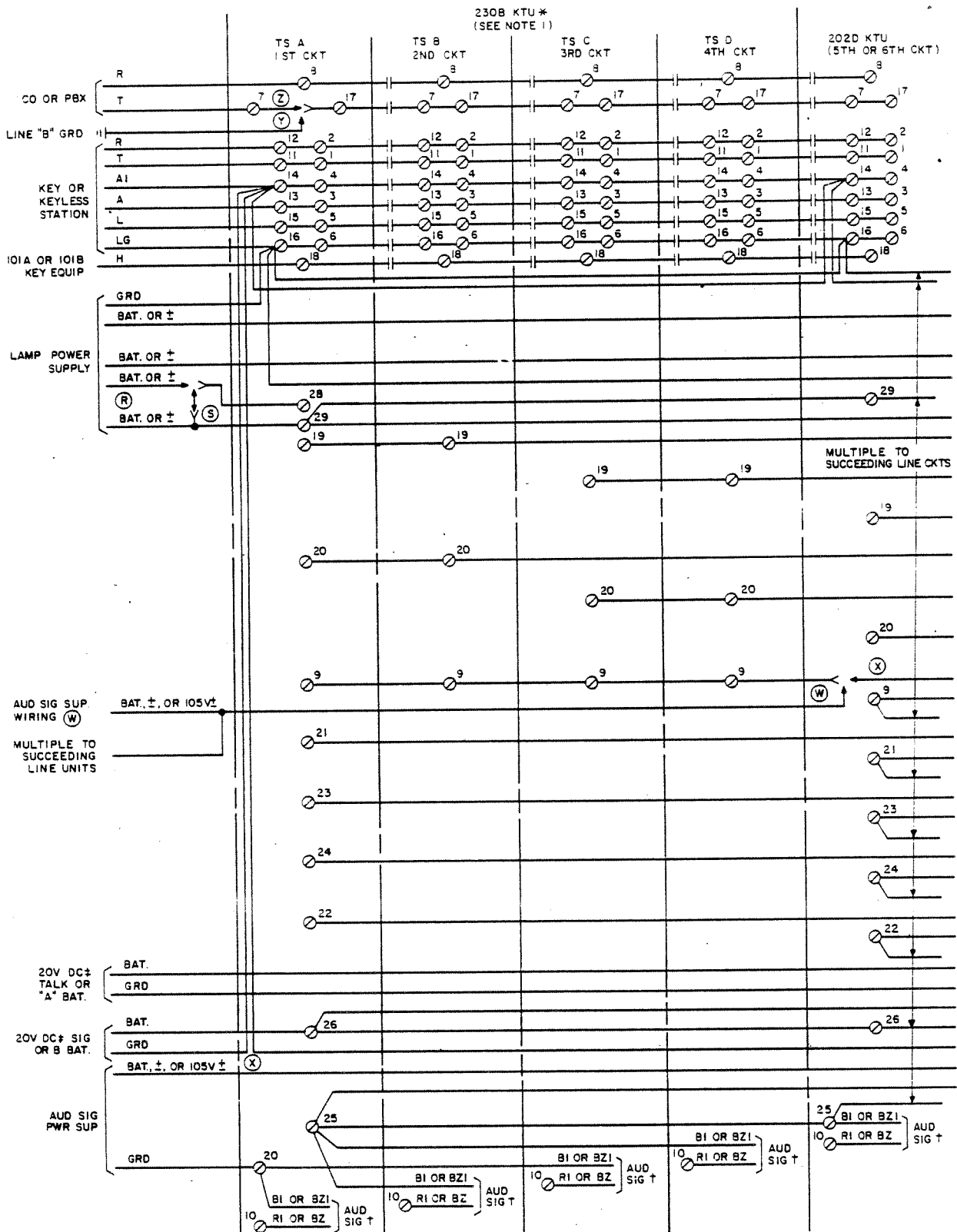
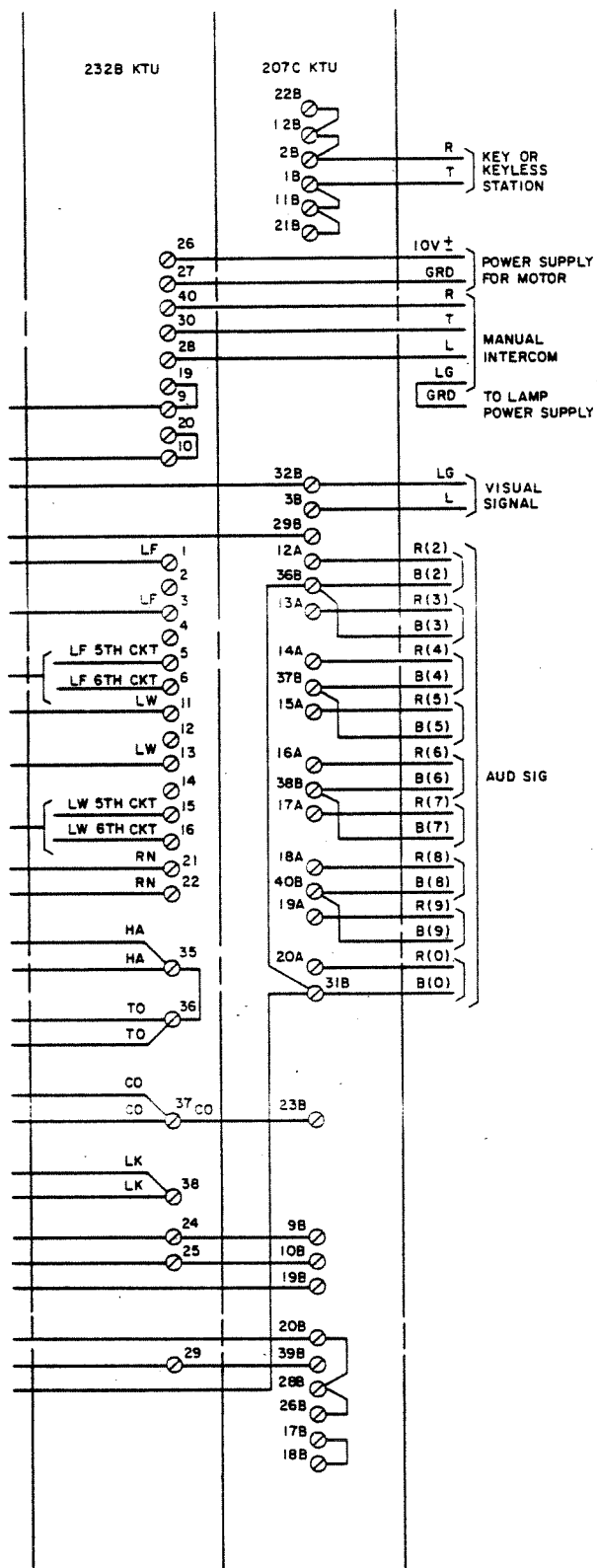


Fig. 2—200F-Type KTU (202D, 230B, 232B, and 207C) Connections and Strappings (Sheet 1)



## NOTES:

1. SYMBOL ( || ) MEANS DO NOT STRAP ADJACENT TERMINALS. RUN LEADS TO LOCATION INDICATED BY LEGEND.
2. FOR THE 230BKTU BATTERY AND GROUND TERMINATED ON TERMINAL STRIP A AND STRAPPED INTERNALLY.
3. MAXIMUM 20 LAMPS PER L LEAD.
4. WHEN STEADY HOLD LAMP IS REQUIRED INSTEAD OF LAMP WINK, PROVIDE STRAPS AS FOLLOWS:  
202D KTU - TERM. 20 AND 29  
230B KTU - TERM. 20 A,B, AND 29A  
TERM. 20 C,D AND 28A

CAUTION: IF PACKAGE INTERRUPTER IS USED TO FURNISH LAMP WINK FOR OTHER SYSTEMS, DISCONNECT AND TAPE LW LEADS AT TERMINAL 20 OF EACH LINE CIRCUIT NOT USING THE WINK FEATURE.

\* FURNISHED WIRED FOR METALLIC AND INTERRUPTED AUDIBLE. CAN BE WIRED FOR GROUNDED RINGING AND STEADY AUDIBLE. SEE SECTION ENTITLED "REFERENCE-1A1 KEY TELEPHONE UNITS"

† FOR COMMON AUDIBLE, STRAP ALL NO. 10 TERMINALS

\* A AND B GROUNDS MUST BE CONNECTED TOGETHER AT POWER SUPPLY.

Fig. 2—200F-Type KTU (202D, 230B, 232B, and 207C) Connections and Strappings (Sheet 2)



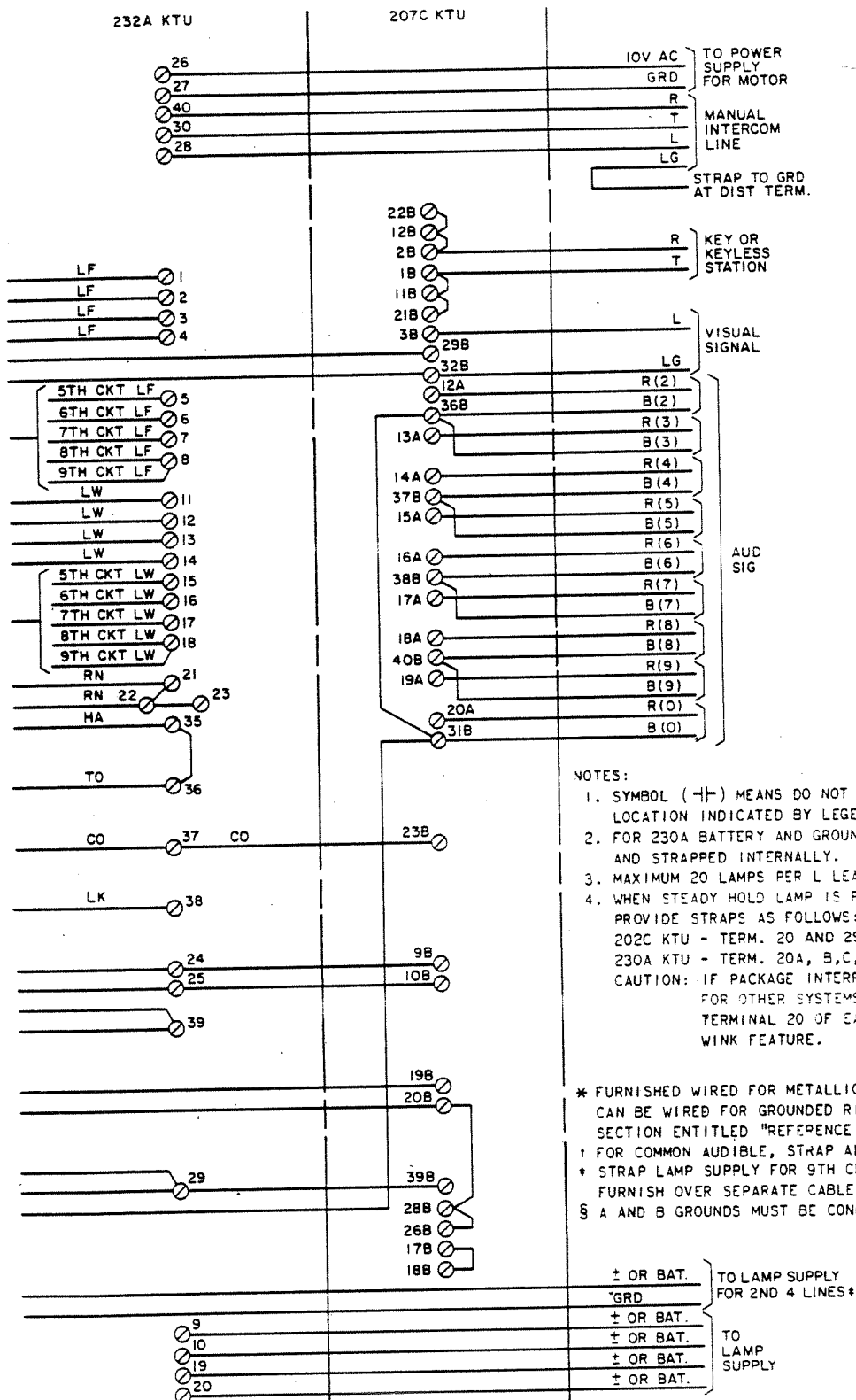


Fig. 3—200G-Type KTU (202C, 230A, 232A, and 207C) Connections and Strappings (Sheet 2)

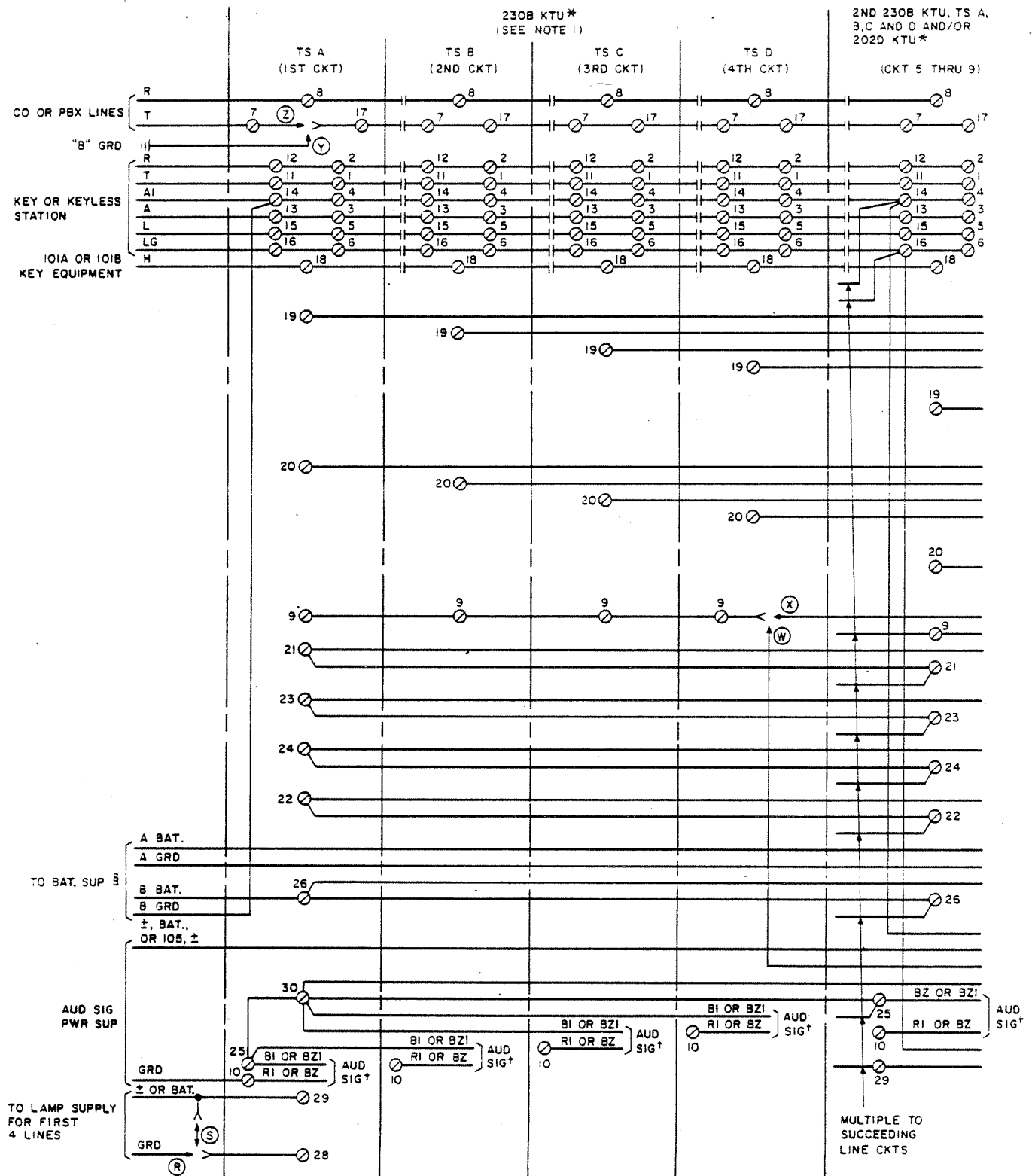
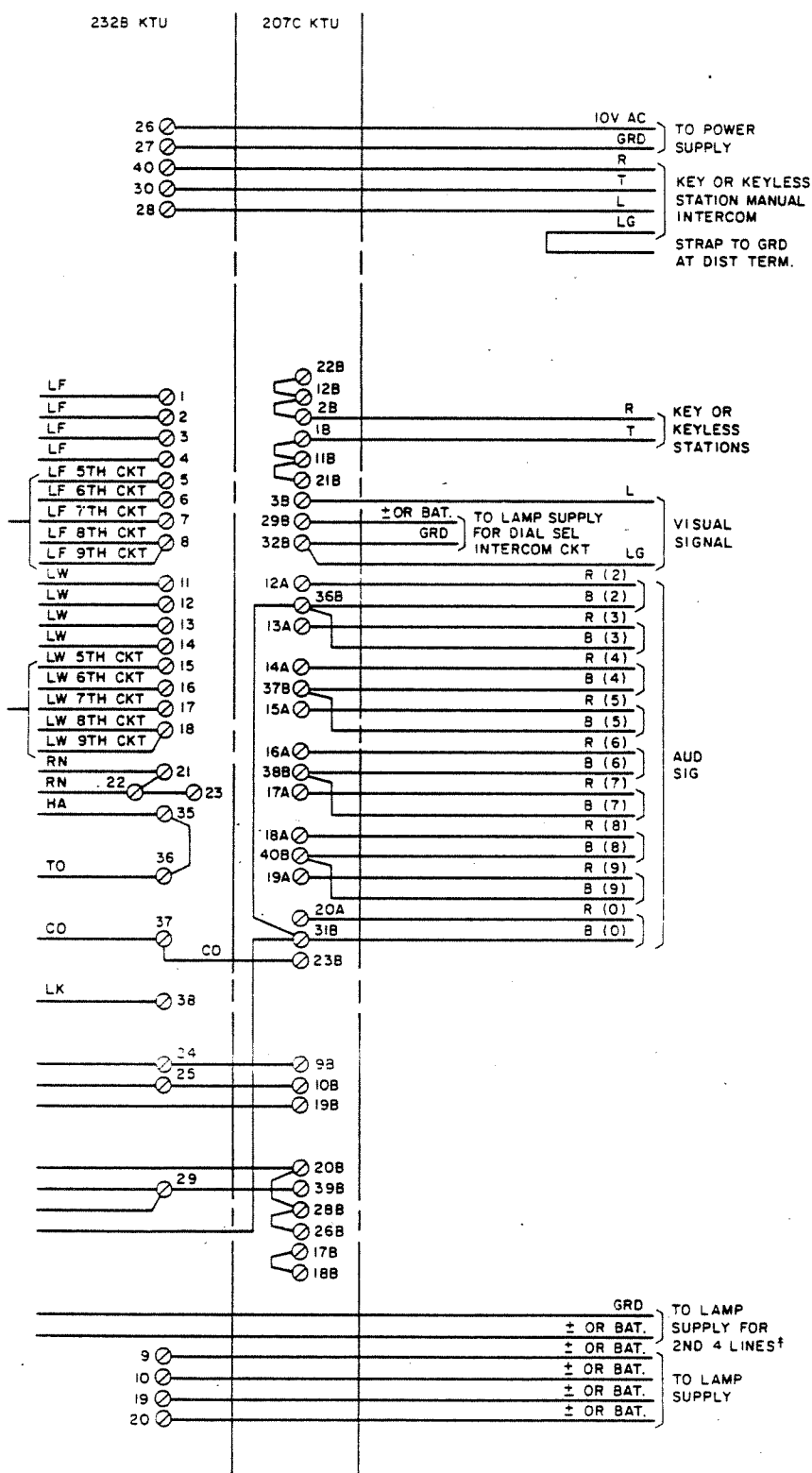


Fig. 4—200G-Type KTU (202D, 230B, 232B, and 207C) Connections and Strappings (Sheet 1)



## NOTES:

1. SYMBOL (11) MEANS DO NOT STRAP ADJACENT TERMINALS. RUN LEADS TO LOCATION INDICATED BY LEGEND.
2. ON 230B BATTERY AND GROUND ARE TERMINATED ON TERMINAL STRIP A AND STRAPPED INTERNALLY.
3. MAXIMUM 20 LAMPS PER L LEAD.
4. WHEN STEADY HOLD LAMP IS REQUIRED INSTEAD OF LAMP WINK, PROVIDE STRAPS AS FOLLOWS:  
202D KTU - TERM. 20 AND 29  
230B KTU - TERM. 20A, B AND 29A.  
TERM. 20C, D AND 28A  
CAUTION: IF PACKAGE INTERRUPTER IS USED TO FURNISH LAMP WINK FOR OTHER SYSTEMS, DISCONNECT AND TARE LW LEADS AT TERMINAL 20 OF EACH LINE CIRCUIT NOT USING THE WINK FEATURE.

\* FURNISHED WIRED FOR METALLIC RINGING AND INTERRUPTED AUDIBLE. CAN BE WIRED FOR GROUNDED RINGING, AND STEADY AUDIBLE SEE SECTION ENTITLED "REFERENCE - 1A1 KEY TELEPHONE UNITS".

† FOR COMMON AUDIBLE, STRAP ALL NO. 10 TERMINALS.

‡ STRAP LAMP SUPPLY FOR 9TH CKT FROM 207C KTU, WHEN PROVIDED, OR FURNISH OVER SEPARATE CABLE CONDUCTORS.

§ A AND B GROUNDS MUST BE CONNECTED TOGETHER.

Fig. 4—200G-Type KTU (202D, 230B, 232B, and 207C) Connections and Strappings (Sheet 2)

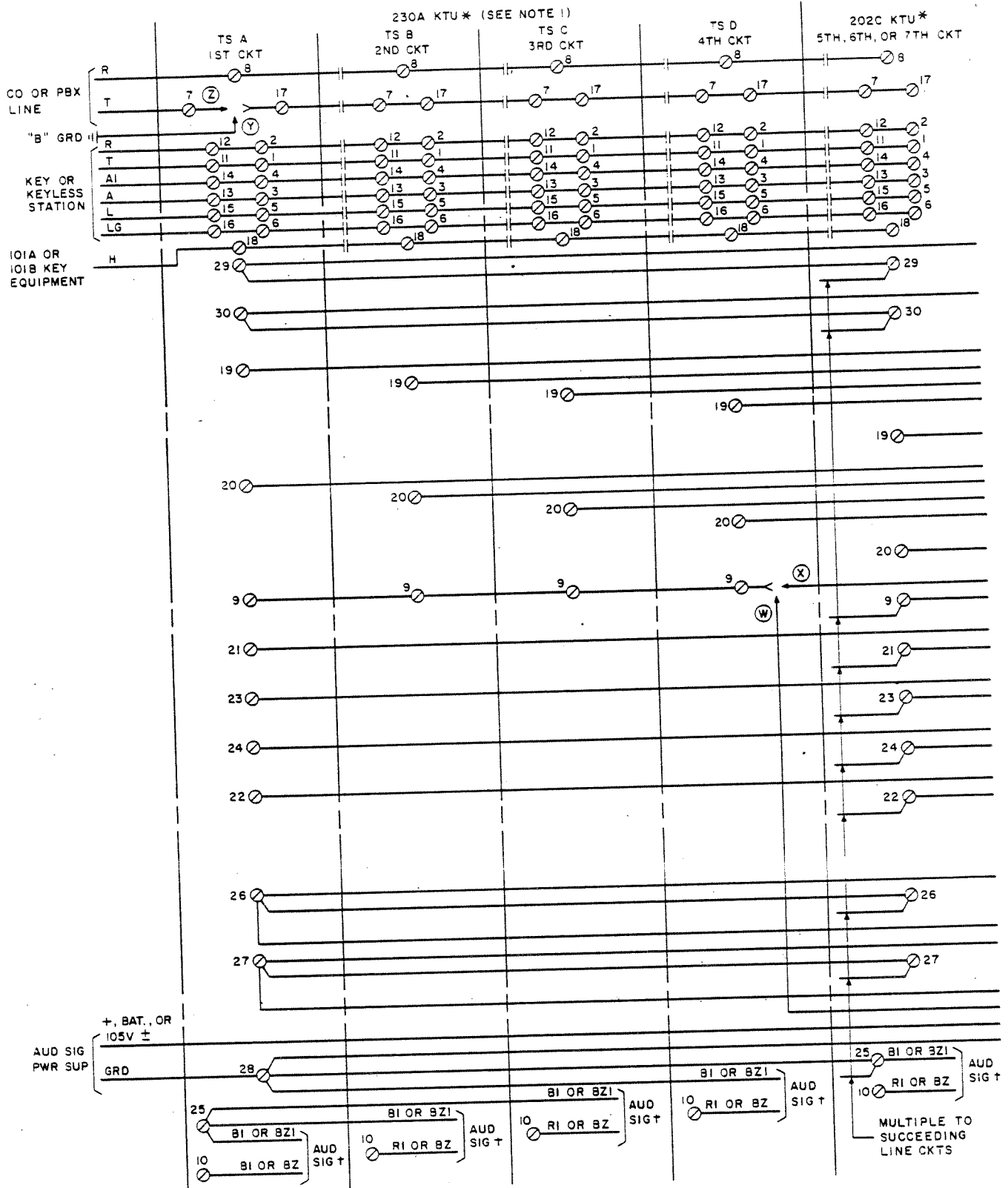
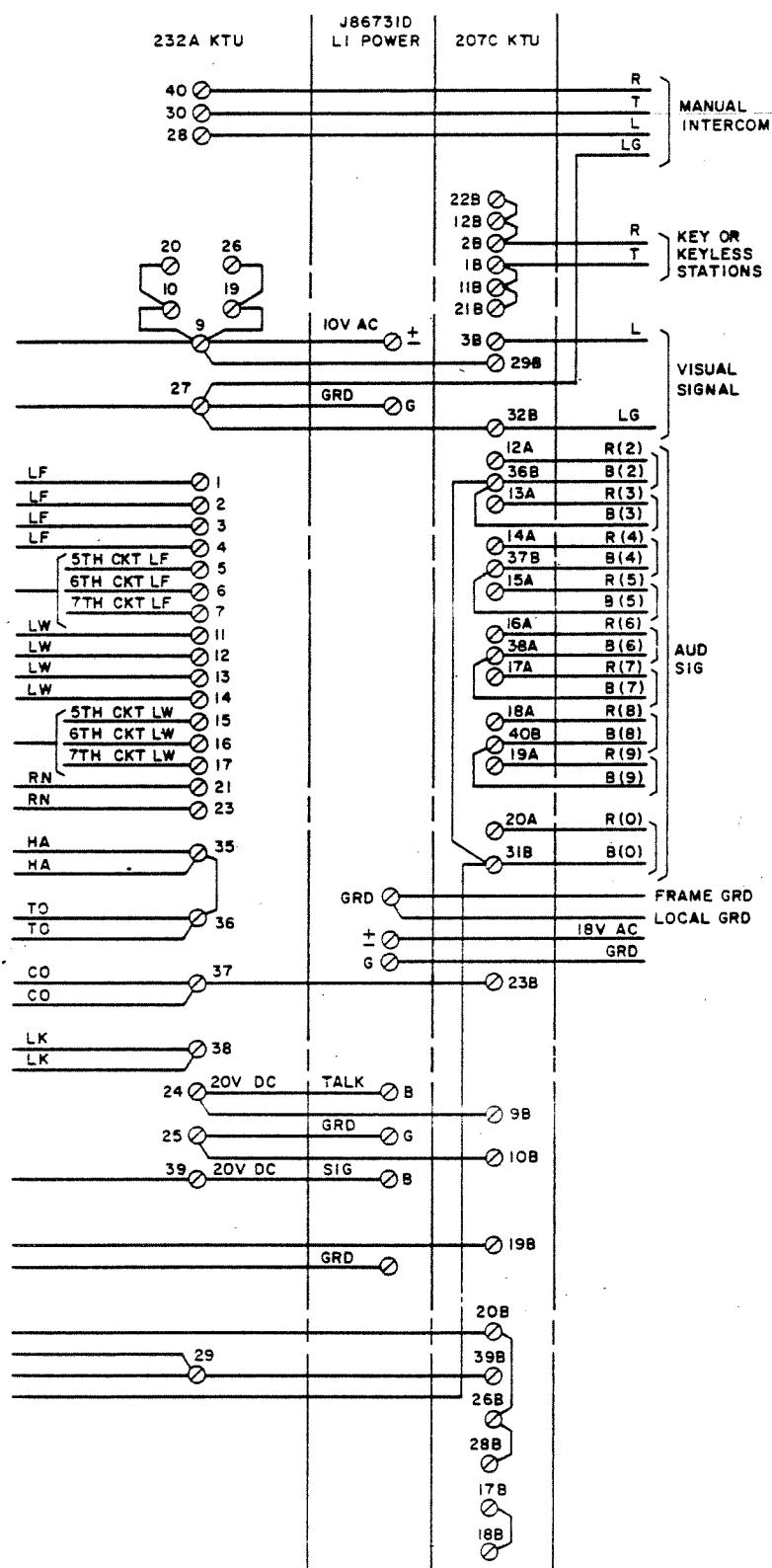


Fig. 5—200K-Type KTU (202C, 230A, 232A, and 207C) Connections and Strappings (Sheet 1)

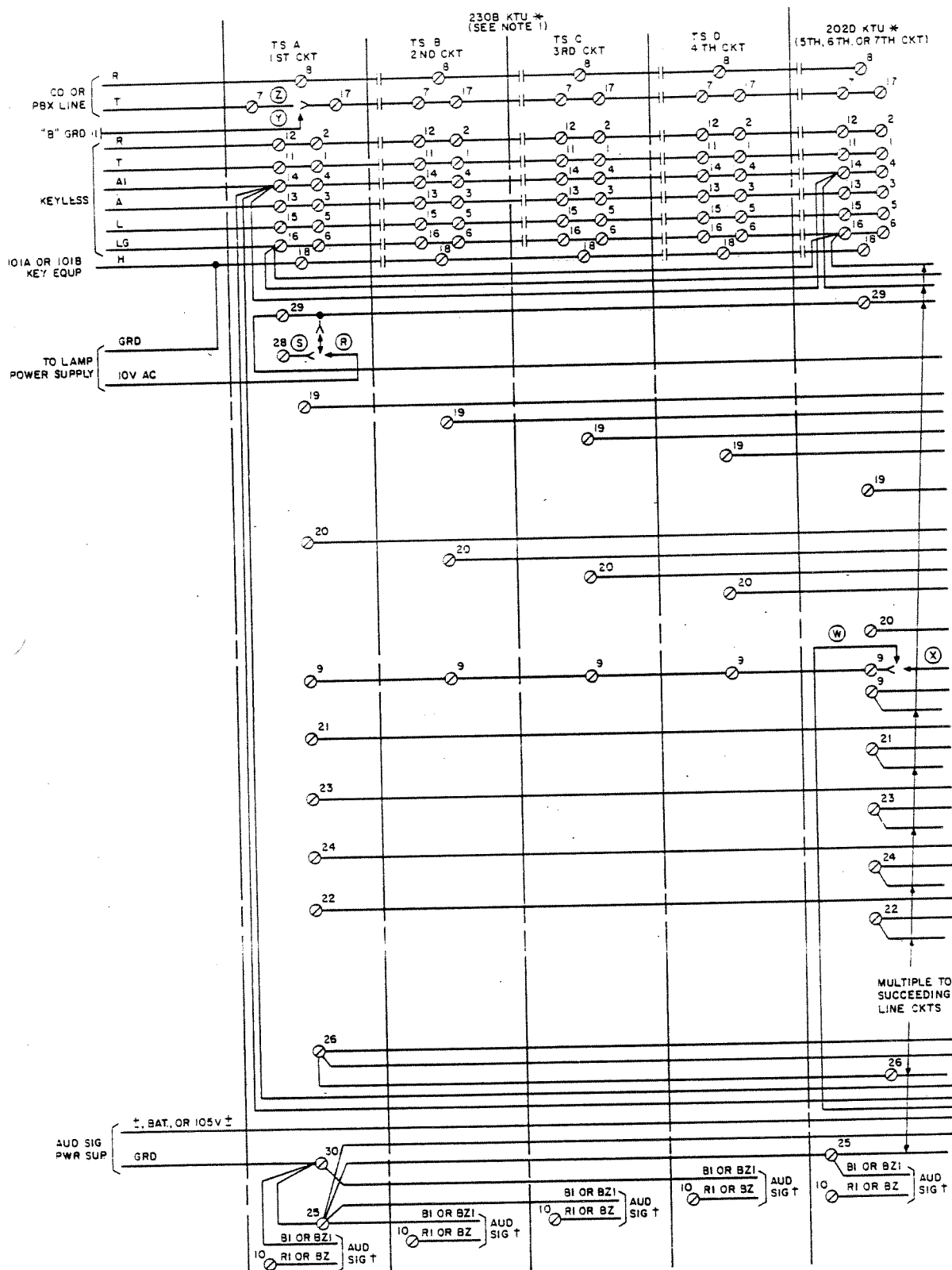


## NOTES:

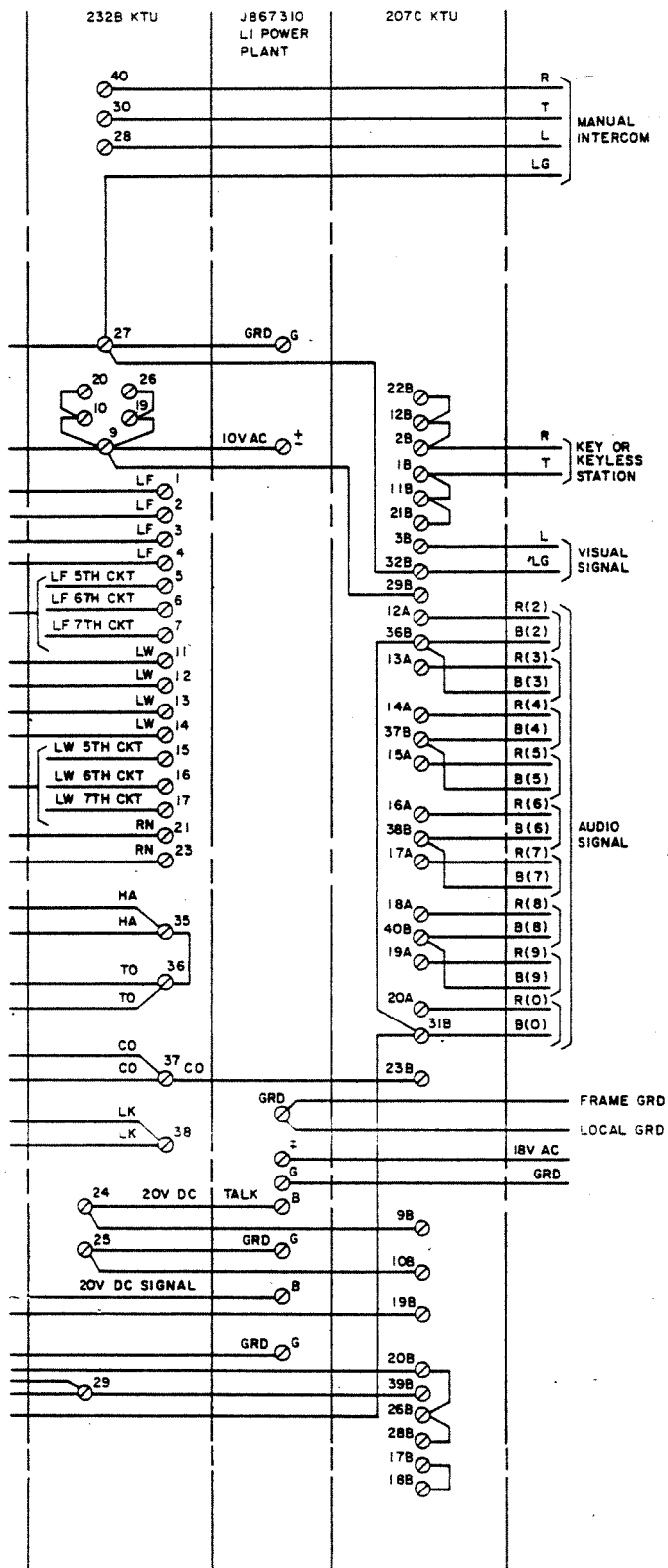
1. SYMBOL ( || ) MEANS DO NOT STRAP ADJACENT TERMINALS. RUN LEADS TO LOCATION INDICATED BY LEGEND
  2. FOR 230A BATTERY AND GROUND ARE TERMINATED ON TERMINAL STRIP A AND STRAPPED INTERNALLY.
  3. MAXIMUM 20 LAMPS PER L LEAD
  4. WHEN STEADY HOLD LAMP IS REQUIRED INSTEAD OF LAMP WINK. PROVIDE STRAPS AS FOLLOWS:  
202C KTU TERM. 20 AND 29.  
230A KTU TERM. 20A; B, C, D AND 29A  
CAUTION: IF PACKAGE INTERRUPTER IS USE TO FURNISH LAMP WINK FOR OTHER SYSTEMS, DISCONNECT AND TAPE LW LEADS AT TERMINAL 20 OF EACH LINE CIRCUIT NOT USING THE WINK FEATURE
- \* FURNISHED WIRED FOR METALLIC RINGING AND INTERRUPTED AUDIBLE. CAN BE WIRED FOR GROUNDED RINGING AND STEADY AUDIBLE. SEE SECTION ENTITLED "REFERENCE-1A1 KEY TELEPHONE UNITS".

+ FOR COMMON AUDIBLE, STRAP ALL NO. 10 TERMINALS.

Fig. 5—200K-Type KTU (202C, 230A, 232A, and 207C) Connections and Strappings (Sheet 2)



**Fig. 6—200K-Type KTU (202D, 230B, 232B, and 207C) Connections and Strappings (Sheet 1)**



## NOTES:

1. SYMBOL ( || ) MEANS DO NOT STRAP ADJACENT TERMINALS. RUN LEADS TO LOCATION INDICATED BY LEGEND.
2. FOR 230B BATTERY AND GROUND ARE TERMINATED ON TERMINAL STRIP A AND STRAPPED INTERNALLY
3. MAXIMUM 20 LAMPS PER L LEAD
4. WHEN STEADY HOLD LAMP IS REQUIRED INSTEAD OF LAMP WINK, PROVIDE STRAPS AS FOLLOWS:  
 202D KTU - TERM. 20 AND 29  
 230B KTU - TERM. 20 A,B, AND 29A  
 TERM. 20 C,D, AND 28A  
 CAUTION: IF PACKAGE INTERRUPTER IS USED TO FURNISH LAMP WINK FOR OTHER SYSTEMS, DISCONNECT AND TAPE LW LEADS AT TERMINAL 20 OF EACH LINE CIRCUIT NOT USING THE WINK FEATURE.

\* FURNISHED WIRED FOR METALLIC RINGING AND INTERRUPTED AUDIBLE. CAN BE WIRED FOR GROUNDED RINGING AND STEADY AUDIBLE. SEE SECTION ENTITLED "REFERENCE-1A1 KEY TELEPHONE UNITS"  
 † FOR COMMON AUDIBLE, STRAP ALL NO. 10 TERMINALS

Fig. 6—200K-Type KTU (202D, 230B, 232B, and 207C) Connections and Strappings (Sheet 2)

**TABLE A**  
**200F-TYPE KTU — CONNECTIONS**

| FEATURE                    | LEAD DESIGNATION   | 64A1-50 CABLE TERMINAL      |                                 | TERMINAL ON 232A OR B KTU* | TERMINAL ON KTU |           | TERMINAL ON 202C OR D KTU | TERMINAL ON 207C KTU |
|----------------------------|--------------------|-----------------------------|---------------------------------|----------------------------|-----------------|-----------|---------------------------|----------------------|
|                            |                    | 30-TYPE CONN BLOCK TERMINAL | INSIDE WIRING CABLE BLUE BINDER |                            | 230A            | 230B†     |                           |                      |
| Key or Keyless Stations    | Line 1             | T                           | 1T (W-BL) [W]                   |                            | 1A-11A          |           |                           |                      |
|                            |                    | R                           | 1R (BL-W) [BL]                  |                            | 2A-12A          |           |                           |                      |
|                            |                    | A                           | 2T (W-O) [W]                    |                            | 3A-13A          |           |                           |                      |
|                            |                    | A1                          | 2R (O-W) [O]                    |                            | 4A-14A          |           |                           |                      |
|                            |                    | LG                          | 3T (W-G) [W]                    |                            | 6A-16A          |           |                           |                      |
|                            | Line 2             | L                           | 3R (G-W) [G]                    |                            | 5A-15A          |           |                           |                      |
|                            |                    | T                           | 4T (W-BR) [W]                   |                            | 1B-11B          |           |                           |                      |
|                            |                    | R                           | 4R (BR-W) [BR]                  |                            | 2B-12B          |           |                           |                      |
|                            |                    | A                           | 5T (W-S) [W]                    |                            | 3B-13B          |           |                           |                      |
|                            |                    | A1                          | 5R (S-W) [S]                    |                            | 4B-14B          |           |                           |                      |
|                            | Line 3             | LG                          | 6T (R-BL) [R]                   |                            | 6B-16B          |           |                           |                      |
|                            |                    | L                           | 6R (BL-R) [BL]                  |                            | 5B-15B          |           |                           |                      |
|                            |                    | T                           | 7T (R-O) [R]                    |                            | 1C-11C          |           |                           |                      |
|                            |                    | R                           | 7R (O-R) [O]                    |                            | 2C-12C          |           |                           |                      |
|                            |                    | A                           | 8T (R-G) [R]                    |                            | 3C-13C          |           |                           |                      |
|                            | Line 4             | A1                          | 8R (G-R) [G]                    |                            | 4C-14C          |           |                           |                      |
|                            |                    | LG                          | 9T (R-BR) [R]                   |                            | 6C-16C          |           |                           |                      |
|                            |                    | L                           | 9R (BR-R) [BR]                  |                            | 5C-15C          |           |                           |                      |
|                            |                    | T                           | 10T (R-S) [R]                   |                            | 1D-11D          |           |                           |                      |
|                            |                    | R                           | 10R (S-R) [S]                   |                            | 2D-12D          |           |                           |                      |
|                            | Line 5             | A                           | 11T (BK-BL) [BK]                |                            | 3D-13D          |           |                           |                      |
|                            |                    | A1                          | 11R (BL-BK) [BL]                |                            | 4D-14D          |           |                           |                      |
|                            |                    | LG                          | 12T (BK-O) [BK]                 |                            | 6D-16D          |           |                           |                      |
|                            |                    | L                           | 12R (O-BK) [O]                  |                            | 5D-15D          |           |                           |                      |
|                            |                    | T                           | 13T (BK-G) [BK]                 |                            |                 |           | 1-11                      |                      |
|                            | Line 6             | R                           | 13R (G-BK) [G]                  |                            |                 |           | 2-12                      |                      |
|                            |                    | A                           | 14T (BK-BR) [BK]                |                            |                 |           | 3-13                      |                      |
|                            |                    | A1                          | 14R (BR-BK) [BR]                |                            |                 |           | 4-14                      |                      |
|                            |                    | LG                          | 15T (BK-S) [BK]                 |                            |                 |           | 6-16                      |                      |
|                            |                    | L                           | 15R (S-BK) [S]                  |                            |                 |           | 5-15                      |                      |
|                            | Line 6             | T                           | 16T (Y-BL) [Y]                  |                            |                 |           | 1-11                      |                      |
|                            |                    | R                           | 16R (BL-Y) [BL]                 |                            |                 |           | 2-12                      |                      |
|                            |                    | A                           | 17T (Y-O) [Y]                   |                            |                 |           | 3-13                      |                      |
|                            |                    | A1                          | 17R (O-Y) [O]                   |                            |                 |           | 4-14                      |                      |
|                            |                    | LG                          | 18T (Y-G) [Y]                   |                            |                 |           | 6-16                      |                      |
|                            |                    | L                           | 18R (G-Y) [G]                   |                            |                 |           | 5-15                      |                      |
| Motor Supply               | GRD<br>10V ±       | 19T                         | (Y-BR) [Y]                      | 27                         |                 |           |                           |                      |
|                            |                    | 19R                         | (BR-Y) [BR]                     | 26                         |                 |           |                           |                      |
| Spare                      |                    | 20T                         | (Y-S) [Y]                       |                            |                 |           |                           |                      |
|                            |                    | 20R                         | (S-Y) [S]                       |                            |                 |           |                           |                      |
| Lamp Supply                | ± or BAT.          | 21T‡                        | (V-BL) [V]                      | 9                          |                 |           |                           |                      |
|                            | ± or BAT.          | 21R‡                        | (BL-V) [BL]                     | 10                         |                 |           |                           |                      |
|                            | GRD                | 22T                         | (V-O) [V]                       |                            | 30A<br>29A      | 6A<br>29A |                           |                      |
|                            | ± or BAT.          | 22R‡                        | (O-V) [O]                       |                            |                 |           |                           |                      |
| Audible Signal Supply      | GRD                | 23T                         | (V-G) [V]                       |                            | 25A             | 30A       |                           |                      |
|                            | BAT., ±, or 105V ± | 23R                         | (G-V) [G]                       | 29                         |                 |           |                           |                      |
| 20V DC Talk or A Battery   | GRD                | 24T                         | (V-BR) [V]                      | 25                         |                 |           |                           |                      |
|                            | BAT.               | 24R                         | (BR-V) [BR]                     | 24                         |                 |           |                           |                      |
| 20V DC Signal or B Battery | GRD                | 25T                         | (V-S) [V]                       |                            | 27A<br>26A      | 4A<br>26A |                           |                      |
|                            | BAT.               | 25R                         | (S-V) [S]                       |                            |                 |           |                           |                      |

\* The 232B KTU is arranged internally to disable time-out feature when BF relay is operated.

† The 230B KTU is arranged for individual fusing of circuits 1 and 2 and circuits 3 and 4 lamp input power.

‡ With 1 to 72 lamps, strap 21R, 21T, and 22R; with 73 to 144 lamps, strap 21R and 22R and run separate power lead to 21T.

( ) Current Color Code.

[ ] MD Color Code

**TABLE A (Cont)**  
**200F-TYPE KTU — CONNECTIONS**

| FEATURE                      | LEAD DESIGNATION | 64A1-50 CABLE TERMINAL      |                                   | TERMINAL ON 232A OR B KTU* | TERMINAL ON KTU |            | TERMINAL ON 202C OR D KTU | TERMINAL ON 207C KTU |
|------------------------------|------------------|-----------------------------|-----------------------------------|----------------------------|-----------------|------------|---------------------------|----------------------|
|                              |                  | 30-TYPE CONN BLOCK TERMINAL | INSIDE WIRING CABLE ORANGE BINDER |                            | 230A            | 230B†      |                           |                      |
| Manual Intercom Line         | T                | 26T                         | (W-BL) [W]                        | 30                         |                 |            |                           |                      |
|                              | R                | 26R                         | (BL-W) [BL]                       | 40                         |                 |            |                           |                      |
|                              | LG               | 27T*                        | (W-O) [W]                         | †                          |                 |            |                           |                      |
|                              | L                | 27R                         | (O-W) [O]                         | 28                         |                 |            |                           |                      |
| Audible Signal               | Line 1           | B1 or BZ1<br>R1 or BZ       | 28T<br>28R                        | (W-G) [W]<br>(G-W) [G]     |                 | 25A<br>10A | 30A<br>10A                |                      |
|                              | Line 2           | B1 or BZ1<br>R1 or BZ       | 29T<br>29R                        | (W-BR) [W]<br>(BR-W) [BR]  |                 | 25A<br>10B |                           |                      |
|                              |                  | B1 or BZ1<br>R1 or BZ       | 30T<br>30R                        | (W-S) [W]<br>(S-W) [S]     |                 | 28A<br>10C | 30A<br>10C                |                      |
|                              | Line 4           | B1 or BZ1<br>R1 or BZ       | 31T<br>31R                        | (R-BL) [R]<br>(BL-R) [BL]  |                 | 28A<br>10D | 25A<br>10D                |                      |
|                              | Line 5           | B1 or BZ1<br>R1 or BZ       | 32T<br>32R                        | (R-O) [R]<br>(O-R) [O]     |                 |            | 25<br>10                  | 1st                  |
|                              | Line 6           | B1 or BZ1<br>R1 or BZ       | 33T<br>33R                        | (R-G) [R]<br>(G-R) [G]     |                 |            | 25<br>10                  | 2nd                  |
| Dial Selective Intercom Line | T                | 34T                         | (R-BR) [R]                        |                            |                 |            |                           | 1B-11B-21B           |
|                              | R                | 34R                         | (BR-R) [BR]                       |                            |                 |            |                           | 2B-12B-22B           |
|                              | LG               | 35T                         | (R-S) [R]                         |                            |                 |            |                           | 32B                  |
|                              | L                | 35R                         | (S-R) [S]                         |                            |                 |            |                           | 3B                   |
|                              | B(2)             | 36T                         | (BK-BL) [BK]                      |                            |                 |            |                           | 36B                  |
|                              | R(2)             | 36R                         | (BL-BK) [BL]                      |                            |                 |            |                           | 12A                  |
|                              | B(3)             | 37T                         | (BK-O) [BK]                       |                            |                 |            |                           | 36B                  |
|                              | R(3)             | 37R                         | (O-BK) [O]                        |                            |                 |            |                           | 13A                  |
|                              | B(4)             | 38T                         | (BK-G) [BK]                       |                            |                 |            |                           | 37B                  |
|                              | R(4)             | 38R                         | (G-BK) [G]                        |                            |                 |            |                           | 14A                  |
|                              | B(5)             | 39T                         | (BK-BR) [BK]                      |                            |                 |            |                           | 37B                  |
|                              | R(5)             | 39R                         | (BR-BK) [BR]                      |                            |                 |            |                           | 15A                  |
|                              | B(6)             | 40T                         | (BK-BL) [BK]                      |                            |                 |            |                           | 38B                  |
|                              | R(6)             | 40R                         | (BL-BK) [BL]                      |                            |                 |            |                           | 16A                  |
|                              | B(7)             | 41T                         | (Y-BL) [Y]                        |                            |                 |            |                           | 38B                  |
|                              | R(7)             | 41R                         | (BL-Y) [BL]                       |                            |                 |            |                           | 17A                  |
| CO or PBX                    | Line 1           | T<br>R                      | 45T<br>45R                        | (Y-S) [Y]<br>(S-Y) [S]     |                 | 7A<br>8A   |                           |                      |
|                              | Line 2           | T<br>R                      | 46T<br>46R                        | (V-BL) [V]<br>(BL-V) [BL]  |                 | 7B<br>8B   |                           |                      |
|                              | Line 3           | T<br>R                      | 47T<br>47R                        | (V-O) [V]<br>(O-V) [O]     |                 | 7C<br>8C   |                           |                      |
|                              | Line 4           | T<br>R                      | 48T<br>48R                        | (V-G) [V]<br>(G-V) [G]     |                 | 7D<br>8D   |                           |                      |
|                              | Line 5           | T<br>R                      | 49T<br>49R                        | (V-BR) [V]<br>(BR-V) [BR]  |                 |            | 7<br>8                    | 1st                  |
|                              | Line 6           | T<br>R                      | 50T<br>50R                        | (V-S) [V]<br>(S-V) [S]     |                 |            | 7<br>8                    | 2nd                  |

\* Strap to 22T or terminate LG lead to lamp ground if cable terminal is not provided.

† Not terminated.

( ) Current Color Code.

[ ] MD Color Code.

**TABLE B**  
**200G-TYPE KTU — CONNECTIONS**

200G-TYPE KTU

| FEATURE                    | LEAD DESIGNATION | 64B1-75 CABLE TERMINAL |                                       | TERMINAL*<br>ON<br>KTU |      | TERMINAL†<br>ON<br>KTU |      | TERMINAL‡<br>ON<br>KTU |      | TERMINAL<br>ON 207C<br>KTU |
|----------------------------|------------------|------------------------|---------------------------------------|------------------------|------|------------------------|------|------------------------|------|----------------------------|
|                            |                  | TERMINAL<br>STRIP<br>A | INSIDE WIRING<br>CABLE<br>BLUE BINDER | 232A                   | 232B | 230A                   | 230B | 202C                   | 202D |                            |
|                            |                  |                        |                                       |                        |      |                        |      |                        |      |                            |
| Line 1                     | T                | 1                      | (W-BL) [W]                            |                        |      | 1A-11A                 |      |                        |      |                            |
|                            | R                | 2                      | (BL-W) [BL]                           |                        |      | 2A-12A                 |      |                        |      |                            |
|                            | A                | 3                      | (W-O) [W]                             |                        |      | 3A-13A                 |      |                        |      |                            |
|                            | A1               | 4                      | (O-W) [O]                             |                        |      | 4A-14A                 |      |                        |      |                            |
| Line 2                     | LG               | 5                      | (W-G) [W]                             |                        |      | 6A-16A                 |      |                        |      |                            |
|                            | L                | 6                      | (G-W) [G]                             |                        |      | 5A-15A                 |      |                        |      |                            |
|                            | T                | 7                      | (W-BR) [W]                            |                        |      | 1B-11B                 |      |                        |      |                            |
|                            | R                | 8                      | (BR-W) [BR]                           |                        |      | 2B-12B                 |      |                        |      |                            |
| Line 3                     | A                | 9                      | (W-S) [W]                             |                        |      | 3B-13B                 |      |                        |      |                            |
|                            | A1               | 10                     | (S-W) [S]                             |                        |      | 4B-14B                 |      |                        |      |                            |
|                            | LG               | 11                     | (R-BL) [R]                            |                        |      | 6B-16B                 |      |                        |      |                            |
|                            | L                | 12                     | (BL-R) [BL]                           |                        |      | 5B-15B                 |      |                        |      |                            |
| Line 4                     | T                | 13                     | (R-O) [R]                             |                        |      | 1C-11C                 |      |                        |      |                            |
|                            | R                | 14                     | (O-R) [O]                             |                        |      | 2C-12C                 |      |                        |      |                            |
|                            | A                | 15                     | (R-G) [R]                             |                        |      | 3C-13C                 |      |                        |      |                            |
|                            | A1               | 16                     | (G-R) [G]                             |                        |      | 4C-14C                 |      |                        |      |                            |
| Line 5                     | LG               | 17                     | (R-BR) [R]                            |                        |      | 6C-16C                 |      |                        |      |                            |
|                            | L                | 18                     | (BR-R) [BR]                           |                        |      | 5C-15C                 |      |                        |      |                            |
|                            | T                | 19                     | (R-S) [R]                             |                        |      | 1D-11D                 |      |                        |      |                            |
|                            | R                | 20                     | (S-R) [S]                             |                        |      | 2D-12D                 |      |                        |      |                            |
| Line 6                     | A                | 21                     | (BK-BL) [BK]                          |                        |      | 3D-13D                 |      |                        |      |                            |
|                            | A1               | 22                     | (BL-BK) [BL]                          |                        |      | 4D-14D                 |      |                        |      |                            |
|                            | LG               | 23                     | (BK-O) [BK]                           |                        |      | 6D-16D                 |      |                        |      |                            |
|                            | L                | 24                     | (O-BK) [O]                            |                        |      | 5D-15D                 |      |                        |      |                            |
| Line 7                     | T                | 25                     | (BK-G) [BK]                           |                        |      | 1A-11A                 |      | 1-11                   |      |                            |
|                            | R                | 26                     | (G-BK) [G]                            |                        |      | 2A-12A                 |      | 2-12                   |      |                            |
|                            | A                | 27                     | (BK-BR) [BK]                          |                        |      | 3A-13A                 |      | 3-13                   |      |                            |
|                            | A1               | 28                     | (BR-BK) [BR]                          |                        |      | 4A-14A                 |      | 4-14                   |      |                            |
| Line 8                     | LG               | 29                     | (BK-S) [BK]                           |                        |      | 6A-16A                 |      | 6-16                   |      |                            |
|                            | L                | 30                     | (S-BK) [S]                            |                        |      | 5A-15A                 |      | 5-15                   |      |                            |
|                            | T                | 31                     | (Y-BL) [Y]                            |                        |      | 1B-11B                 |      | 1-11                   |      |                            |
|                            | R                | 32                     | (BL-Y) [BL]                           |                        |      | 2B-12B                 |      | 2-12                   |      |                            |
| Line 9                     | A                | 33                     | (Y-O) [Y]                             |                        |      | 3B-13B                 |      | 3-13                   |      |                            |
|                            | A1               | 34                     | (O-Y) [O]                             |                        |      | 4B-14B                 |      | 4-14                   |      |                            |
|                            | LG               | 35                     | (Y-G) [Y]                             |                        |      | 6B-16B                 |      | 6-16                   |      |                            |
|                            | L                | 36                     | (G-Y) [G]                             |                        |      | 5B-15B                 |      | 5-15                   |      |                            |
| Manual<br>Intercom<br>Line | T                | 37                     | (Y-BR) [Y]                            | 30                     |      |                        |      |                        |      |                            |
|                            | R                | 38                     | (BR-Y) [BR]                           | 40                     |      |                        |      |                        |      |                            |
|                            | LG               | 39§                    | (Y-S) [Y]                             |                        |      |                        |      |                        |      |                            |
|                            | L                | 40                     | (S-Y) [S]                             | 28                     |      |                        |      |                        |      |                            |

\* 232B KTU is arranged internally to disable time-out feature when BF relay is operated.

† 230B KTU is arranged for individual fusing of circuits 1 and 2 and circuits 3 and 4 lamp input power.

‡ If second 230A or B KTU is not used for lines 5 through 8, terminate leads on 202C or D key telephone units as shown.

§ Strap to terminal strip A, punching 5.

( ) Current Color Code.

[ ] MD Color Code.

**TABLE B (Cont)**  
**200G-TYPE KTU — CONNECTIONS**

| FEATURE                      | LEAD DESIGNATION | 64B1-75 CABLE TERMINAL |                     | TERMINAL ON KTU |      | TERMINAL ON KTU |        | TERMINAL ON KTU |      | TERMINAL ON 207C KTU |            |
|------------------------------|------------------|------------------------|---------------------|-----------------|------|-----------------|--------|-----------------|------|----------------------|------------|
|                              |                  | TERMINAL STRIP A       | INSIDE WIRING CABLE | 232A            | 232B | 230A            | 230B   | 202C            | 202D |                      |            |
|                              |                  |                        |                     |                 |      |                 |        |                 |      |                      |            |
| Line 7                       | T                | 1                      | (V-BL) [V]          | BLUE BINDER     |      |                 | 1C-11C |                 | 1-11 | 3rd                  |            |
|                              | R                | 2                      | (BL-V) [BL]         |                 |      |                 | 2C-12C |                 | 2-12 |                      |            |
|                              | A                | 3                      | (V-O) [V]           |                 |      |                 | 3C-13C |                 | 3-13 |                      |            |
|                              | A1               | 4                      | (O-V) [O]           |                 |      |                 | 4C-14C |                 | 4-14 |                      |            |
|                              | LG               | 5                      | (V-G) [V]           |                 |      |                 | 6C-16C |                 | 6-16 |                      |            |
|                              | L                | 6                      | (G-V) [G]           |                 |      |                 | 5C-15C |                 | 5-15 |                      |            |
| Line 8                       | T                | 7                      | (V-BR) [V]          |                 |      |                 | 1D-11D | 2nd             | 1-11 | 4th                  |            |
|                              | R                | 8                      | (BR-V) [BR]         |                 |      |                 | 2D-12D |                 | 2-12 |                      |            |
|                              | A                | 9                      | (V-S) [V]           |                 |      |                 | 3D-13D |                 | 3-13 |                      |            |
|                              | A1               | 10                     | (S-V) [S]           |                 |      |                 | 4D-14D |                 | 4-14 |                      |            |
|                              | LG               | 11                     | (W-BL) [W]          |                 |      |                 | 6D-16D |                 | 6-16 |                      |            |
|                              | L                | 12                     | (BL-W) [BL]         |                 |      |                 | 5D-15D |                 | 5-15 |                      |            |
| Line 9                       | T                | 13                     | (W-O) [W]           | ORANGE BINDER   |      |                 |        | 1-11            | 5th  |                      |            |
|                              | R                | 14                     | (O-W) [O]           |                 |      |                 |        | 2-12            |      |                      |            |
|                              | A                | 15                     | (W-G) [W]           |                 |      |                 |        | 3-13            |      |                      |            |
|                              | A1               | 16                     | (G-W) [G]           |                 |      |                 |        | 4-14            |      |                      |            |
|                              | LG               | 17                     | (W-BR) [W]          |                 |      |                 |        | 6-16            |      |                      |            |
|                              | L                | 18                     | (BR-W) [BR]         |                 |      |                 |        | 5-15            |      |                      |            |
| Dial Selective Intercom Line | T                | 19                     | (W-S) [W]           |                 |      |                 |        |                 |      |                      | 1B-11B-21B |
|                              | R                | 20                     | (S-W) [S]           |                 |      |                 |        |                 |      |                      | 2B-12B-22B |
|                              | LG               | 21                     | (R-BL) [R]          |                 |      |                 |        |                 |      |                      | 32B        |
|                              | L                | 22                     | (BL-R) [BL]         |                 |      |                 |        |                 |      |                      | 3B         |
|                              | B(2)             | 23                     | (R-O) [R]           |                 |      |                 |        |                 |      |                      | 36B        |
|                              | R(2)             | 24                     | (O-R) [O]           |                 |      |                 |        |                 |      |                      | 12A        |
|                              | B(3)             | 25                     | (R-G) [R]           |                 |      |                 |        |                 |      |                      | 36B        |
|                              | R(3)             | 26                     | (G-R) [G]           |                 |      |                 |        |                 |      |                      | 13A        |
|                              | B(4)             | 27                     | (R-BR) [R]          |                 |      |                 |        |                 |      |                      | 37B        |
|                              | R(4)             | 28                     | (BR-R) [BR]         |                 |      |                 |        |                 |      |                      | 14A        |
|                              | B(5)             | 29                     | (R-S) [R]           |                 |      |                 |        |                 |      |                      | 37B        |
|                              | R(5)             | 30                     | (S-R) [S]           |                 |      |                 |        |                 |      |                      | 15A        |
|                              | B(6)             | 31                     | (BK-BL) [BK]        |                 |      |                 |        |                 |      |                      | 38B        |
|                              | R(6)             | 32                     | (BL-BK) [BL]        |                 |      |                 |        |                 |      |                      | 16A        |
|                              | B(7)             | 33                     | (BK-O) [BK]         |                 |      |                 |        |                 |      |                      | 38B        |
|                              | R(7)             | 34                     | (O-BK) [O]          |                 |      |                 |        |                 |      |                      | 17A        |
|                              | B(8)             | 35                     | (BK-G) [BK]         |                 |      |                 |        |                 |      |                      | 40B        |
|                              | R(8)             | 36                     | (G-BK) [G]          |                 |      |                 |        |                 |      |                      | 18A        |
| B(9)                         | 37               | (BK-BR) [BK]           |                     |                 |      |                 |        |                 |      | 40B                  |            |
| R(9)                         | 38               | (BR-BK) [BR]           |                     |                 |      |                 |        |                 |      | 19A                  |            |
| B(0)                         | 39               | (BK-S) [BK]            |                     |                 |      |                 |        |                 |      | 31B                  |            |
| R(0)                         | 40               | (S-BK) [S]             |                     |                 |      |                 |        |                 |      | 20A                  |            |

† If second 230A or B KTU is not used for lines 5 through 8, terminate leads on 202C or D key telephone units as shown.  
 ( ) Current Color Code.  
 [ ] MD Color Code.

**TABLE B (Cont)**  
**200G-TYPE KTU — CONNECTIONS**

| FEATURE   | LEAD DESIGNATION | 6481-75 CABLE TERMINAL |                     | TERMINAL ON KTU           |      | TERMINAL ON KTU |            | TERMINAL† ON KTU |          | TERMINAL ON 207C KTU |
|-----------|------------------|------------------------|---------------------|---------------------------|------|-----------------|------------|------------------|----------|----------------------|
|           |                  | TERMINAL STRIP A       | INSIDE WIRING CABLE | 232A                      | 232B | 230A            | 230B       | 202C             | 202D     |                      |
| Aud Sig   | Line 1           | B1 or BZ1<br>R1 or BZ  | 1<br>2              | (Y-BL) [Y]<br>(BL-Y) [BL] |      | 25A<br>10A      |            |                  |          |                      |
|           | Line 2           | B1 or BZ1<br>R1 or BZ  | 3<br>4              | (Y-O) [Y]<br>(O-Y) [O]    |      | 25A<br>10B      |            |                  |          |                      |
|           | Line 3           | B1 or BZ1<br>R1 or BZ  | 5<br>6              | (Y-G) [Y]<br>(G-Y) [G]    |      | 28A<br>10C      | 30A<br>10C |                  |          |                      |
|           | Line 4           | B1 or BZ1<br>R1 or BZ  | 7<br>8              | (Y-BR) [Y]<br>(BR-Y) [BR] |      | 28A<br>10D      | 30A<br>10D |                  |          |                      |
|           | Line 5           | B1 or BZ1<br>R1 or BZ  | 9<br>10             | (Y-S) [Y]<br>(S-Y) [S]    |      | 25A<br>10A      |            | 25<br>10         | 1st      |                      |
|           | Line 6           | B1 or BZ1<br>R1 or BZ  | 11<br>12            | (V-BL) [V]<br>(BL-V) [BL] |      | 25A<br>10B      | 30A<br>10B | 25<br>10         | 30<br>10 | 2nd                  |
|           | Line 7           | B1 or BZ1<br>R1 or BZ  | 13<br>14            | (V-O) [V]<br>(O-V) [O]    |      | 28A<br>10C      | 25A<br>10C | 25<br>10         |          | 3rd                  |
|           | Line 8           | B1 or BZ1<br>R1 or BZ  | 15<br>16            | (V-G) [V]<br>(G-V) [G]    |      | 28A<br>10D      | 30A<br>10D | 25<br>10         | 30<br>10 | 4th                  |
|           | Line 9           | B1 or BZ1<br>R1 or BZ  | 17<br>18            | (V-BR) [V]<br>(BR-V) [BR] |      |                 |            | 25<br>10         | 5th      |                      |
| CO or PBX | Line 1           | T<br>R                 | 19<br>20            | (V-S) [V]<br>(S-V) [S]    |      | 7A<br>8A        |            |                  |          |                      |
|           | Line 2           | T<br>R                 | 21<br>22            | (W-BL) [W]<br>(BL-W) [BL] |      | 7B<br>8B        |            |                  |          |                      |
|           | Line 3           | T<br>R                 | 23<br>24            | (W-O) [W]<br>(O-W) [O]    |      | 7C<br>8C        |            |                  |          |                      |
|           | Line 4           | T<br>R                 | 25<br>26            | (W-G) [W]<br>(G-W) [G]    |      | 7D<br>8D        |            |                  |          |                      |
|           | Line 5           | T<br>R                 | 27<br>28            | (W-BR) [W]<br>(BR-W) [BR] |      | 7A<br>8A        |            | 7<br>8           | 1st      |                      |
|           | Line 6           | T<br>R                 | 29<br>30            | (W-S) [W]<br>(S-W) [S]    |      | 7B<br>8B        |            | 7<br>8           | 2nd      |                      |
|           | Line 7           | T<br>R                 | 31<br>32            | (R-BL) [R]<br>(BL-R) [BL] |      | 7C<br>8C        |            | 7<br>8           | 3rd      |                      |
|           | Line 8           | T<br>R                 | 33<br>34            | (R-O) [R]<br>(O-R) [O]    |      | 7D<br>8D        |            | 7<br>8           | 4th      |                      |
|           | Line 9           | T<br>R                 | 35<br>36            | (R-G) [R]<br>(G-R) [G]    |      |                 |            | 7<br>8           | 5th      |                      |
|           | Spare            |                        | 37<br>38            | (R-BR) [R]<br>(BR-R) [BR] |      |                 |            |                  |          |                      |
|           |                  |                        | 39<br>40            | (R-S) [R]<br>(S-R) [S]    |      |                 |            |                  |          |                      |

† If second 230A or B KTU is not used for lines 5 through 8, terminate leads on 202C or D key telephone units as shown.  
 [ ] MD Color Code.  
 ( ) Current Color Code.

TABLE B (Cont)  
200G-TYPE KTU — CONNECTIONS

| FEATURE                                          | LEAD DESIGNATION       | 6481-75 CABLE TERMINAL |                                  | TERMINAL ON KTU |      | TERMINAL ON KTU |      | TERMINAL† ON KTU |      |    | TERMINAL ON 207C KTU |
|--------------------------------------------------|------------------------|------------------------|----------------------------------|-----------------|------|-----------------|------|------------------|------|----|----------------------|
|                                                  |                        | TERMINAL STRIP E       | INSIDE WIRING CABLE GREEN BINDER | 232A            | 232B | 230A            | 230B | 202C             | 202D |    |                      |
|                                                  |                        |                        |                                  |                 |      |                 |      |                  |      |    |                      |
| 20V DC Talk (A Bat.)                             | GRD BAT.               | 1                      | (BK-BL) [BK]                     | 25              |      |                 |      |                  |      |    |                      |
|                                                  |                        | 2                      | (BL-BK) [BL]                     | 24              |      |                 |      |                  |      |    |                      |
| 20V DC Sig (B Bat.)                              | GRD BAT.               | 3                      | (BK-O) [BK]                      |                 |      | 27A             | 14A  |                  |      |    |                      |
|                                                  |                        | 4                      | (O-BK) [O]                       | 39              |      | 26A             |      |                  |      |    |                      |
| Motor Supply                                     | GRD 10V ±              | 5                      | (BK-G) [BK]                      | 27              |      |                 |      | 1st              |      |    |                      |
|                                                  |                        | 6                      | (G-BK) [G]                       | 26              |      |                 |      |                  |      |    |                      |
| Aud Sig Supply                                   | GRD BAT., ±, or 105V ± | 7                      | (BK-BR) [BK]                     |                 |      |                 |      |                  |      |    |                      |
|                                                  |                        | 8                      | (BR-BK) [BR]                     | 29              |      | 25A             |      |                  |      |    |                      |
| Lamp Supply 1st 4 Lines                          | GRD ± or BAT.          | 9                      | (BK-S) [BK]                      |                 |      | 30A             | 16A  |                  |      |    |                      |
|                                                  |                        | 10                     | (S-BK) [S]                       |                 |      | 29A             | 29A  |                  |      |    |                      |
| Lamp Supply 2nd 4 Lines                          | GRD ± or BAT.          | 11                     | (Y-BL) [Y]                       |                 |      | 30A             | 16A  | 2nd†             | 30   | 6  | 1st                  |
|                                                  |                        | 12                     | (BL-Y) [BL]                      |                 |      | 29A             | 29A  |                  | 29   | 29 |                      |
| Lamp Supply 9th Line and Dial Selective Intercom | GRD ± or BAT.          | 13                     | (Y-O) [Y]                        |                 |      |                 |      |                  | 30   | 6  |                      |
|                                                  |                        | 14                     | (O-Y) [O]                        |                 |      |                 |      |                  | 29   | 29 | 5th                  |
| Lamp Supply                                      | ± or BAT.              | 15                     | (Y-G) [Y]                        | 9               |      |                 |      |                  |      |    |                      |
|                                                  | ± or BAT.              | 16                     | (G-Y) [G]                        | 10              |      |                 |      |                  |      |    |                      |
|                                                  | ± or BAT.              | 17                     | (Y-BR) [Y]                       | 19              |      |                 |      |                  |      |    |                      |
|                                                  | ± or BAT.              | 18                     | (BR-Y) [BR]                      | 20              |      |                 |      |                  |      |    |                      |
| Spare                                            |                        | 19                     | (Y-S) [Y]                        |                 |      |                 |      |                  |      |    |                      |
|                                                  |                        | 20                     | (S-Y) [S]                        |                 |      |                 |      |                  |      |    |                      |
|                                                  |                        | 21                     | (V-BL) [V]                       |                 |      |                 |      |                  |      |    |                      |
|                                                  |                        | 22                     | (BL-V) [BL]                      |                 |      |                 |      |                  |      |    |                      |
|                                                  |                        | 23                     | (V-O) [V]                        |                 |      |                 |      |                  |      |    |                      |
|                                                  |                        | 24                     | (O-V) [O]                        |                 |      |                 |      |                  |      |    |                      |
|                                                  |                        | 25                     | (V-G) [V]                        |                 |      |                 |      |                  |      |    |                      |
|                                                  |                        | 26                     | (G-V) [G]                        |                 |      |                 |      |                  |      |    |                      |
|                                                  |                        | 27                     | (V-BR) [V]                       |                 |      |                 |      |                  |      |    |                      |
|                                                  |                        | 28                     | (BR-V) [BR]                      |                 |      |                 |      |                  |      |    |                      |
|                                                  |                        | 29                     | (V-S) [V]                        |                 |      |                 |      |                  |      |    |                      |
|                                                  |                        | 30                     | (S-V) [S]                        |                 |      |                 |      |                  |      |    |                      |
| Vacant                                           |                        | 31                     |                                  |                 |      |                 |      |                  |      |    |                      |
|                                                  |                        | 32                     |                                  |                 |      |                 |      |                  |      |    |                      |
|                                                  |                        | 33                     |                                  |                 |      |                 |      |                  |      |    |                      |
|                                                  |                        | 34                     |                                  |                 |      |                 |      |                  |      |    |                      |
|                                                  |                        | 35                     |                                  |                 |      |                 |      |                  |      |    |                      |
|                                                  |                        | 36                     |                                  |                 |      |                 |      |                  |      |    |                      |
|                                                  |                        | 37                     |                                  |                 |      |                 |      |                  |      |    |                      |
|                                                  |                        | 38                     |                                  |                 |      |                 |      |                  |      |    |                      |
|                                                  |                        | 39                     |                                  |                 |      |                 |      |                  |      |    |                      |
|                                                  |                        | 40                     |                                  |                 |      |                 |      |                  |      |    |                      |

† If second 230A or B KTU is not used for lines 5 through 8, terminate leads on 202C or D key telephone units as shown.  
( ) Current Color Code.  
[ ] MD Color Code.

**TABLE C**  
**200K-TYPE KTU — CONNECTIONS**

| FEATURE                      | LEAD DESIGNATION | 64A1-50 CABLE TERMINAL      |                                 | TERMINAL ON 232A OR B KTU* | TERMINAL ON 230A OR B KTU† | TERMINAL ON 202C OR D KTU | TERMINAL ON 207C KTU     |
|------------------------------|------------------|-----------------------------|---------------------------------|----------------------------|----------------------------|---------------------------|--------------------------|
|                              |                  | 30-TYPE CONN BLOCK TERMINAL | INSIDE WIRING CABLE BLUE BINDER |                            |                            |                           |                          |
| Line 1                       | T<br>R           | 1T<br>1R                    | (W-BL) [W]<br>(BL-W) [BL]       |                            | 1A-11A<br>2A-12A           |                           |                          |
|                              | A<br>A1          | 2T<br>2R                    | (W-O) [W]<br>(O-W) [O]          |                            | 3A-13A<br>4A-14A           |                           |                          |
|                              | LG<br>L          | 3T<br>3R                    | (W-G) [W]<br>(G-W) [G]          |                            | 6A-16A<br>5A-15A           |                           |                          |
| Line 2                       | T<br>R           | 4T<br>4R                    | (W-BR) [W]<br>(BR-W) [BR]       |                            | 1B-11B<br>2B-12B           |                           |                          |
|                              | A<br>A1          | 5T<br>5R                    | (W-S) [W]<br>(S-W) [S]          |                            | 3B-13B<br>4B-14B           |                           |                          |
|                              | LG<br>L          | 6T<br>6R                    | (R-BL) [R]<br>(BL-R) [BL]       |                            | 6B-16B<br>5B-15B           |                           |                          |
| Line 3                       | T<br>R           | 7T<br>7R                    | (R-O) [R]<br>(O-R) [O]          |                            | 1C-11C<br>2C-12C           |                           |                          |
|                              | A<br>A1          | 8T<br>8R                    | (R-G) [R]<br>(G-R) [G]          |                            | 3C-13C<br>4C-14C           |                           |                          |
|                              | LG<br>L          | 9T<br>9R                    | (R-BR) [R]<br>(BR-R) [BR]       |                            | 6C-16C<br>5C-15C           |                           |                          |
| Line 4                       | T<br>R           | 10T<br>10R                  | (R-S) [R]<br>(S-R) [S]          |                            | 1D-11D<br>2D-12D           |                           |                          |
|                              | A<br>A1          | 11T<br>11R                  | (BK-BL) [BK]<br>(BL-BK) [BL]    |                            | 3D-13D<br>4D-14D           |                           |                          |
|                              | LG<br>L          | 12T<br>12R                  | (BK-O) [BK]<br>(O-BK) [O]       |                            | 6D-16D<br>5D-15D           |                           |                          |
| Line 5                       | T<br>R           | 13T<br>13R                  | (BK-G) [BK]<br>(G-BK) [G]       |                            |                            | 1-11<br>2-12              | 1st                      |
|                              | A<br>A1          | 14T<br>14R                  | (BK-BR) [BK]<br>(BR-BK) [BR]    |                            |                            | 3-13<br>4-14              |                          |
|                              | LG<br>L          | 15T<br>15R                  | (BL-S) [BK]<br>(S-BL) [S]       |                            |                            | 6-16<br>5-15              |                          |
| Line 6                       | T<br>R           | 16T<br>16R                  | (Y-BL) [Y]<br>(BL-Y) [BL]       |                            |                            | 1-11<br>2-12              | 2nd                      |
|                              | A<br>A1          | 17T<br>17R                  | (Y-O) [Y]<br>(O-Y) [O]          |                            |                            | 3-13<br>4-14              |                          |
|                              | LG<br>L          | 18T<br>18R                  | (Y-G) [Y]<br>(G-Y) [G]          |                            |                            | 6-16<br>5-15              |                          |
| Line 7                       | T<br>R           | 19T<br>19R                  | (Y-BR) [Y]<br>(BR-Y) [BR]       |                            |                            | 1-11<br>2-12              | 3rd                      |
|                              | A<br>A1          | 20T<br>20R                  | (Y-S) [Y]<br>(S-Y) [S]          |                            |                            | 3-13<br>4-14              |                          |
|                              | LG<br>L          | 21T<br>21R                  | (V-BL) [V]<br>(BL-V) [BL]       |                            |                            | 6-16<br>5-15              |                          |
| Manual Intercom Line         | T<br>R           | 22T<br>22R                  | (V-O) [V]<br>(O-V) [O]          | 30<br>40                   |                            |                           |                          |
|                              | LG<br>L          | 23T<br>23R                  | (V-G) [V]<br>(G-V) [G]          | 27<br>28                   |                            |                           |                          |
| Dial Selective Intercom Line | T<br>R           | 24T<br>24R                  | (V-BR) [V]<br>(BR-V) [BR]       |                            |                            |                           | 1B-11B-21B<br>2B-12B-22B |
|                              | LG<br>L          | 25T<br>25R                  | (V-S) [V]<br>(S-V) [S]          |                            |                            |                           | 32B<br>3B                |

\* 232B KTU is arranged internally to disable time-out feature when BF relay is operated.

† 230B KTU is arranged for individual fusing of Circuits 1 and 2 and Circuits 3 and 4 lamp input power.

( ) Current Color Code.

[ ] MD Color Code.

**TABLE C (Cont)**  
**200K-TYPE KTU — CONNECTIONS**

| FEATURE                      | LEAD DESIGNATION       | 64A1-50 CABLE TERMINAL      |                                   | TERMINAL ON 232A OR B KTU* | TERMINAL ON 230A OR B KTU† |            | TERMINAL ON 202C OR D KTU |     | TERMINAL ON 207C KTU |
|------------------------------|------------------------|-----------------------------|-----------------------------------|----------------------------|----------------------------|------------|---------------------------|-----|----------------------|
|                              |                        | 30-TYPE CONN BLOCK TERMINAL | INSIDE WIRING CABLE ORANGE BINDER |                            |                            |            |                           |     |                      |
| Dial Selective Intercom Line | B(2)<br>R(2)           | 26T<br>26R                  | (W-BL) [W]<br>(BL-W) [BL]         |                            |                            |            |                           |     | 36B<br>12A           |
|                              | B(3)<br>R(3)           | 27T<br>27R                  | (W-O) [W]<br>(O-W) [O]            |                            |                            |            |                           |     | 36B<br>13A           |
|                              | B(4)<br>R(4)           | 28T<br>28R                  | (W-G) [W]<br>(G-W) [G]            |                            |                            |            |                           |     | 37B<br>14A           |
|                              | B(5)<br>R(5)           | 29T<br>29R                  | (W-BR) [W]<br>(BR-W) [BR]         |                            |                            |            |                           |     | 37B<br>15A           |
|                              | B(6)<br>R(6)           | 30T<br>30R                  | (W-S) [W]<br>(S-W) [S]            |                            |                            |            |                           |     | 38B<br>16A           |
|                              | B(7)<br>R(7)           | 31T<br>31R                  | (R-BL) [R]<br>(BL-R) [BL]         |                            |                            |            |                           |     | 38B<br>17A           |
|                              | B(8)<br>R(8)           | 32T<br>32R                  | (R-O) [R]<br>(O-R) [O]            |                            |                            |            |                           |     | 40B<br>18A           |
|                              | B(9)<br>R(9)           | 33T<br>33R                  | (R-G) [R]<br>(G-R) [G]            |                            |                            |            |                           |     | 40B<br>19A           |
|                              | B(0)<br>R(0)           | 34T<br>34R                  | (R-BR) [R]<br>(BR-R) [BR]         |                            |                            |            |                           |     | 31B<br>20A           |
| Line 1                       | B1 or BZ1<br>R1 or BZ  | 35T<br>35R                  | (R-S) [R]<br>(S-R) [S]            |                            | 25A<br>10A                 | 30A<br>10A |                           |     |                      |
| Line 2                       | B1 or BZ1<br>R1 or BZ  | 36T<br>36R                  | (BK-BL) [BK]<br>(BL-BK) [BL]      |                            | 25A<br>10B                 |            |                           |     |                      |
| Line 3                       | B1 or BZ1<br>R1 or BZ  | 37T<br>37R                  | (BK-O) [BK]<br>(O-BK) [O]         |                            | 25A<br>10C                 |            |                           |     |                      |
| Line 4                       | B1 or BZ1<br>R1 or BZ  | 38T<br>38R                  | (BK-G) [BK]<br>(G-BK) [G]         |                            | 28A<br>10D                 | 30A<br>10D |                           |     |                      |
| Line 5                       | B1 or BZ1<br>B1 or BZ1 | 39T<br>39R                  | (BK-BR) [BK]<br>(BR-BK) [BR]      |                            |                            |            | 25<br>10                  | 1st |                      |
| Line 6                       | R1 or BZ<br>R1 or BZ   | 40T<br>40R                  | (BK-S) [BK]<br>(S-BK) [S]         |                            |                            |            | 25<br>10                  | 2nd |                      |
| Line 7                       | B1 or BZ1<br>R1 or BZ  | 41T<br>41R                  | (Y-BL) [Y]<br>(BL-Y) [BL]         |                            |                            |            | 25<br>10                  | 3rd |                      |
| CO or PBX                    | Line 1<br>T<br>R       | 42T<br>42R                  | (Y-O) [Y]<br>(O-Y) [O]            |                            | 7A<br>8A                   |            |                           |     |                      |
|                              | Line 2<br>T<br>R       | 43T<br>43R                  | (Y-G) [Y]<br>(G-Y) [G]            |                            | 7B<br>8B                   |            |                           |     |                      |
|                              | Line 3<br>T<br>R       | 44T<br>44R                  | (Y-BR) [Y]<br>(BR-Y) [BR]         |                            | 7C<br>8C                   |            |                           |     |                      |
|                              | Line 4<br>T<br>R       | 45T<br>45R                  | (Y-S) [Y]<br>(S-Y) [S]            |                            | 7D<br>8D                   |            |                           |     |                      |
|                              | Line 5<br>T<br>R       | 46T<br>46R                  | (V-BL) [V]<br>(BL-V) [BL]         |                            |                            |            | 7<br>8                    | 1st |                      |
|                              | Line 6<br>T<br>R       | 47T<br>47R                  | (V-O) [V]<br>(O-V) [O]            |                            |                            |            | 7<br>8                    | 2nd |                      |
|                              | Line 7<br>T<br>R       | 48T<br>48R                  | (V-G) [V]<br>(G-V) [G]            |                            |                            |            | 7<br>8                    | 3rd |                      |
| Ringing Supply               | GRD<br>105V±           | 49T<br>49R*                 | (V-BR) [V]<br>(BR-V) [BR]         | 29                         | 28A                        | 30A        |                           |     |                      |
| Local Ground                 | GRD<br>GRD             | 50T<br>50R                  | (V-S) [V]<br>(S-V) [S]            |                            |                            |            |                           |     |                      |

\* If J86731C, List 1 (frequency-generator) power plant is installed locally, disconnect and tape (V-BR) [V] and (BR-V) [BR] cable pair.  
 ( ) Current, Color Code.  
 [ ] MD Color Code.

**TABLE D**  
**200-TYPE KTU OPTIONS**

| WIRING FOR CO OR PBX LINES             |                             | OPTION |
|----------------------------------------|-----------------------------|--------|
| Metalic Ringing (Furnished)            |                             | Z      |
| Grounded Ringing                       |                             | Y      |
| Interrupted Audible Sig<br>(Furnished) |                             | X      |
| Steady Audible Signal                  |                             | W      |
| Lamp<br>Max                            | Max 40 Lamps<br>(Furnished) | S      |
|                                        | Max 80 Lamps                | R      |