

6A KEY TELEPHONE SYSTEM

SELECTOR ONLY

CONNECTIONS

1. GENERAL

1.01 This section is reissued to:

- Show 207B, 217A, and 226A KTUs MD.
- Add connections for TOUCH-TONE® off-premise stations.
- Add CD and SD references.

1.02 Identification and installation information for this arrangement is covered in Section 518-410-100.

2. CONNECTIONS

2.01 The connection diagrams serve as a guide to the installer in connecting the 6A system key telephone units to provide the desired features.

2.02 When using a 247A (MD) KTU to provide TOUCH-TONE dialing, adjust H and L relays before placing unit in service. See Section 518-310-113 for adjustment.

2.03 Connection Index:

Table A—Selector Only Wiring Options

Fig. 1—Connections for Selector Circuit [207B (MD) or 207C] to Transfer Circuit (216A KTU)

Fig. 2—Addition of Add-On Conference Circuit [226A (MD) or 226B KTU]

Fig. 3—Addition of Preset Conference Circuit [217A (MD) or 217B KTU]

Fig. 4—Addition of Long Line Circuit (225A KTU)

Fig. 5—Addition of Auxiliary Relay Busy Lamp Circuit [227A (MD) or 227B KTU]

Fig. 6—Addition of TOUCH-TONE Adapter Circuit [247A (MD) KTU]

Fig. 7—Addition of TOUCH-TONE Adapter Circuit (247B KTU)

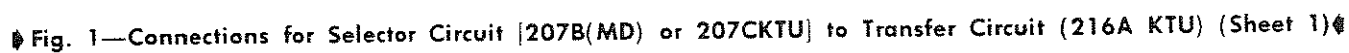
2.04 For additional information refer to the following:

- CD- and SD-69286—6A Key Telephone System
- CD- and SD-69447—247A (MD) KTU
- CD- and SD-69529—247B KTU.

TABLE A
SELECTOR ONLY WIRING OPTIONS

WIRING	OPTION
X	Without Transfer Circuit (Max Nine Codes)
W	With Transfer Circuit (over Nine Codes)
K	System with Preset Conference Circuit
H	Under 40 Lamps on System (without Aux Rel Busy Lamp Ckt)
M	Over 40 Lamps on System (with Aux Rel Busy Lamp Ckt)
R	Long Line Ckt Associated with Preset Conference Ckt

**Reprinted to comply with modified final judgment.



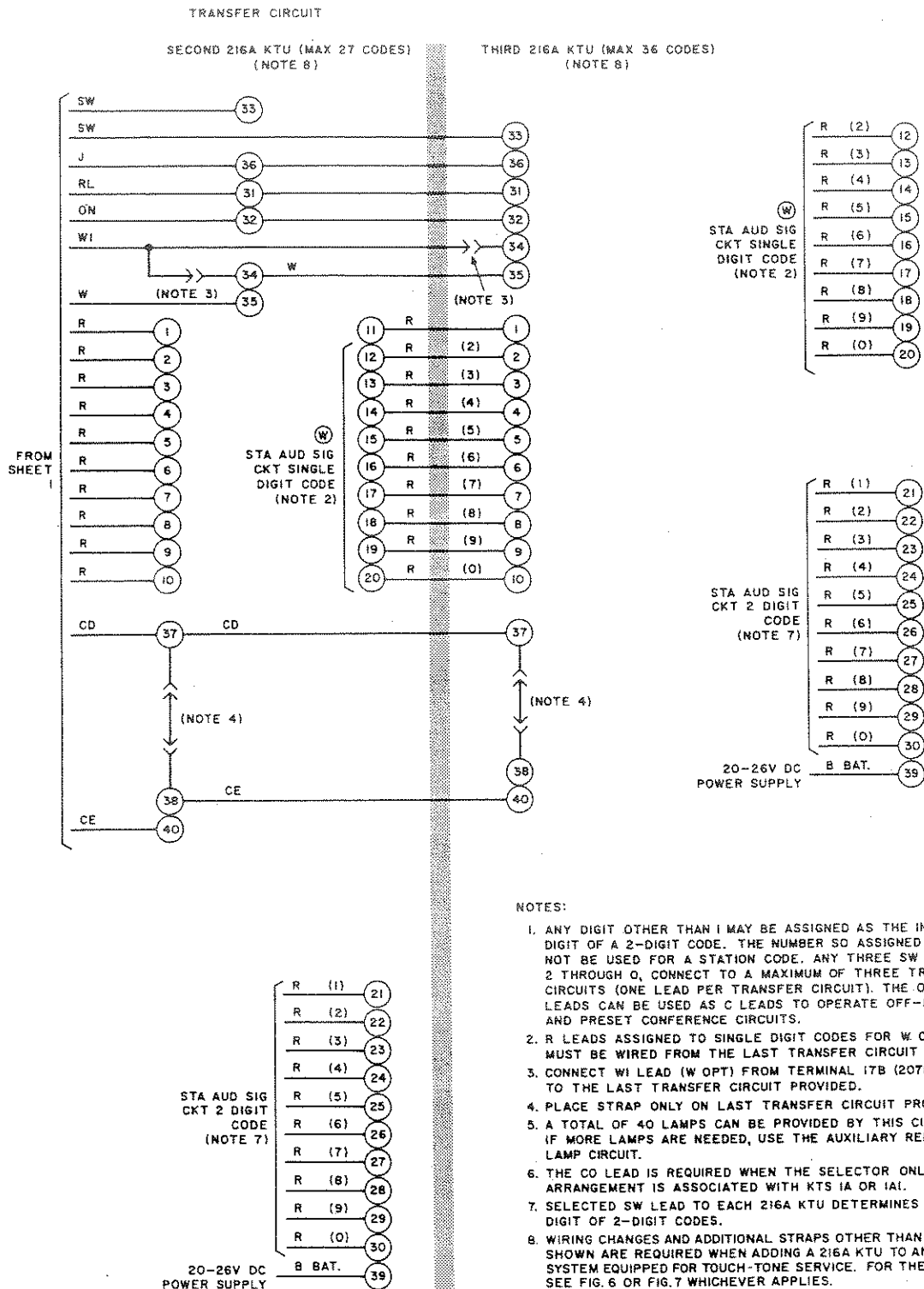
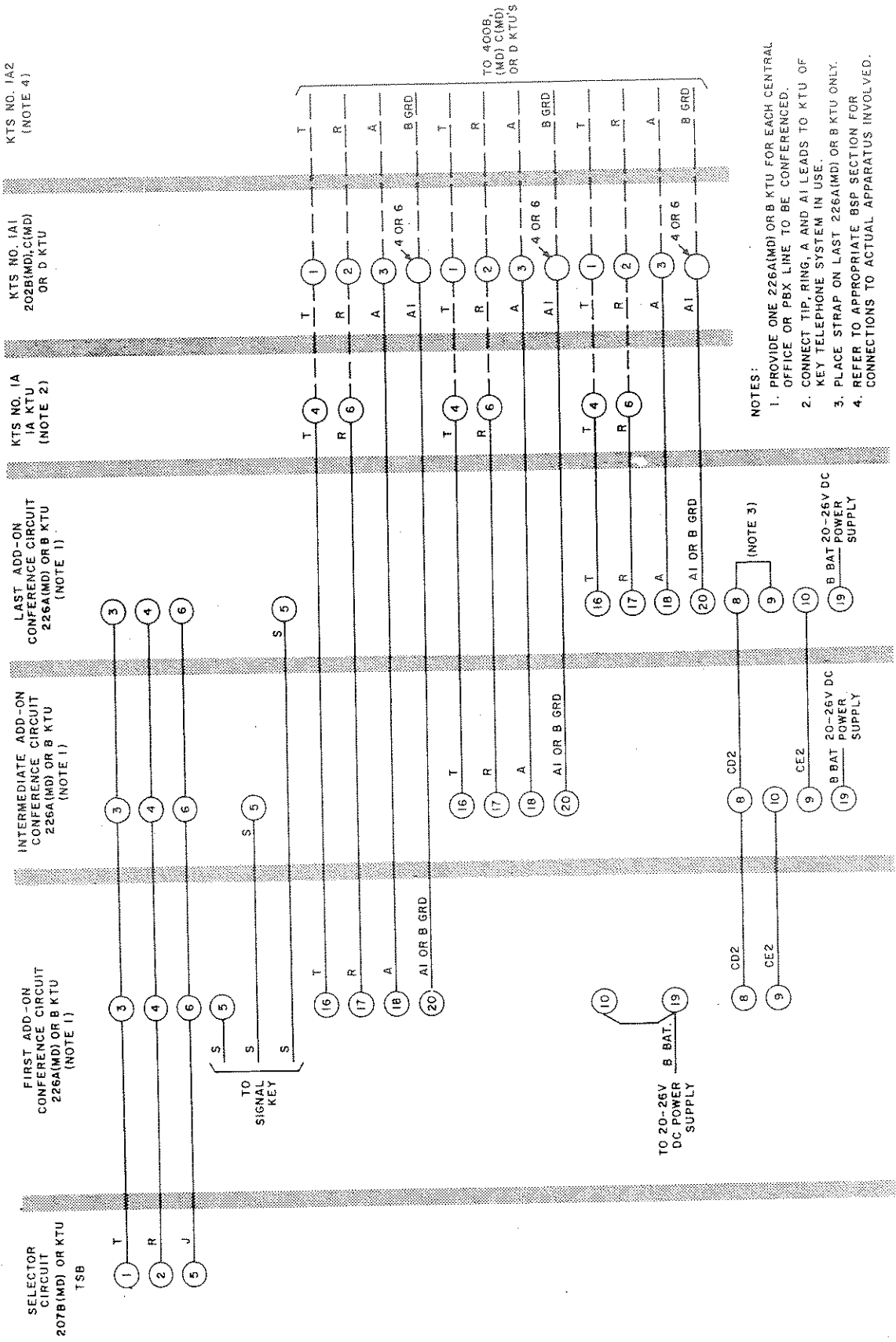
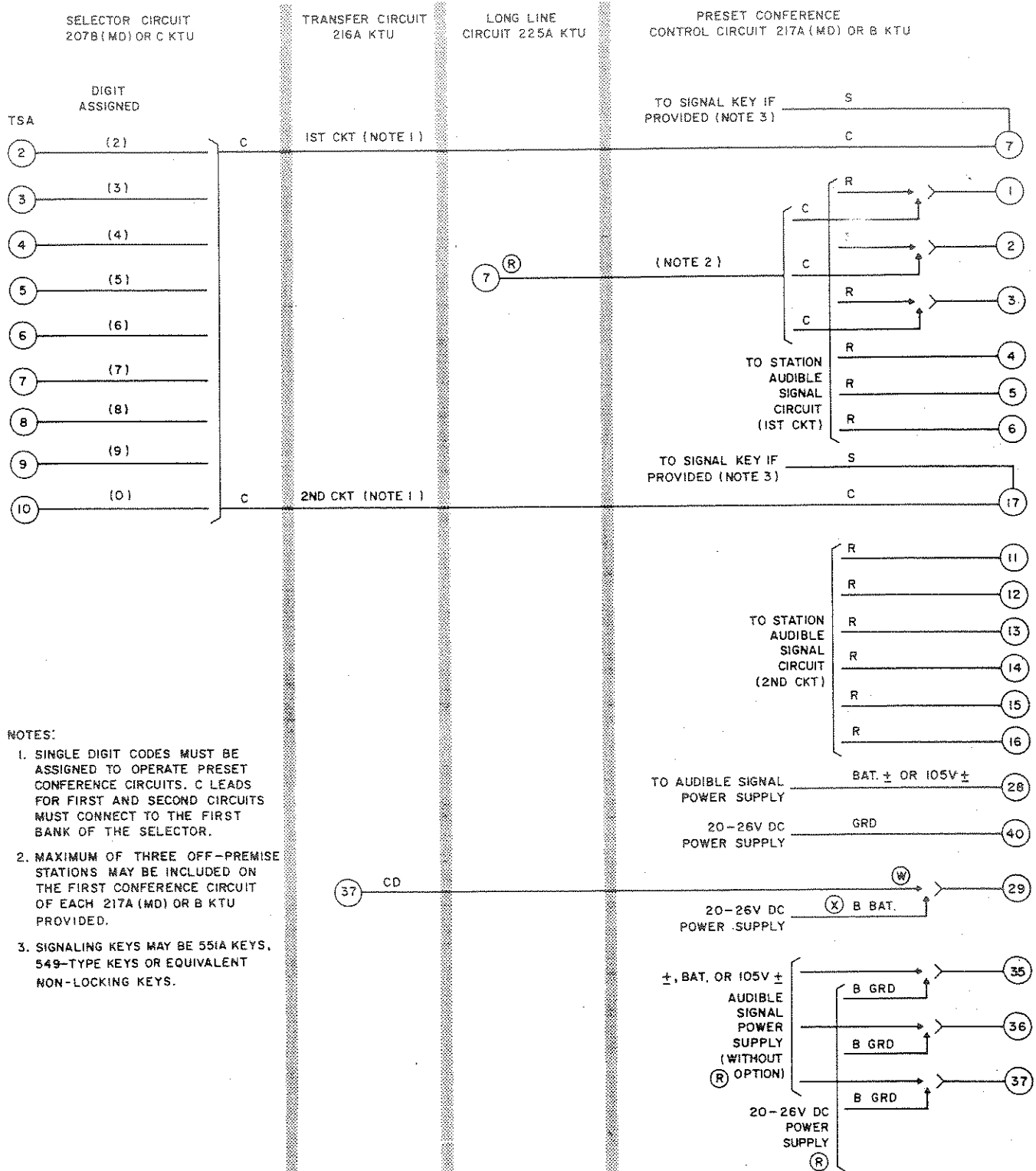


Fig. 1—Connections for Selector Circuit [207B (MD) or 207C KTU] to Transfer Circuit (216A KTU) (Sheet 2)

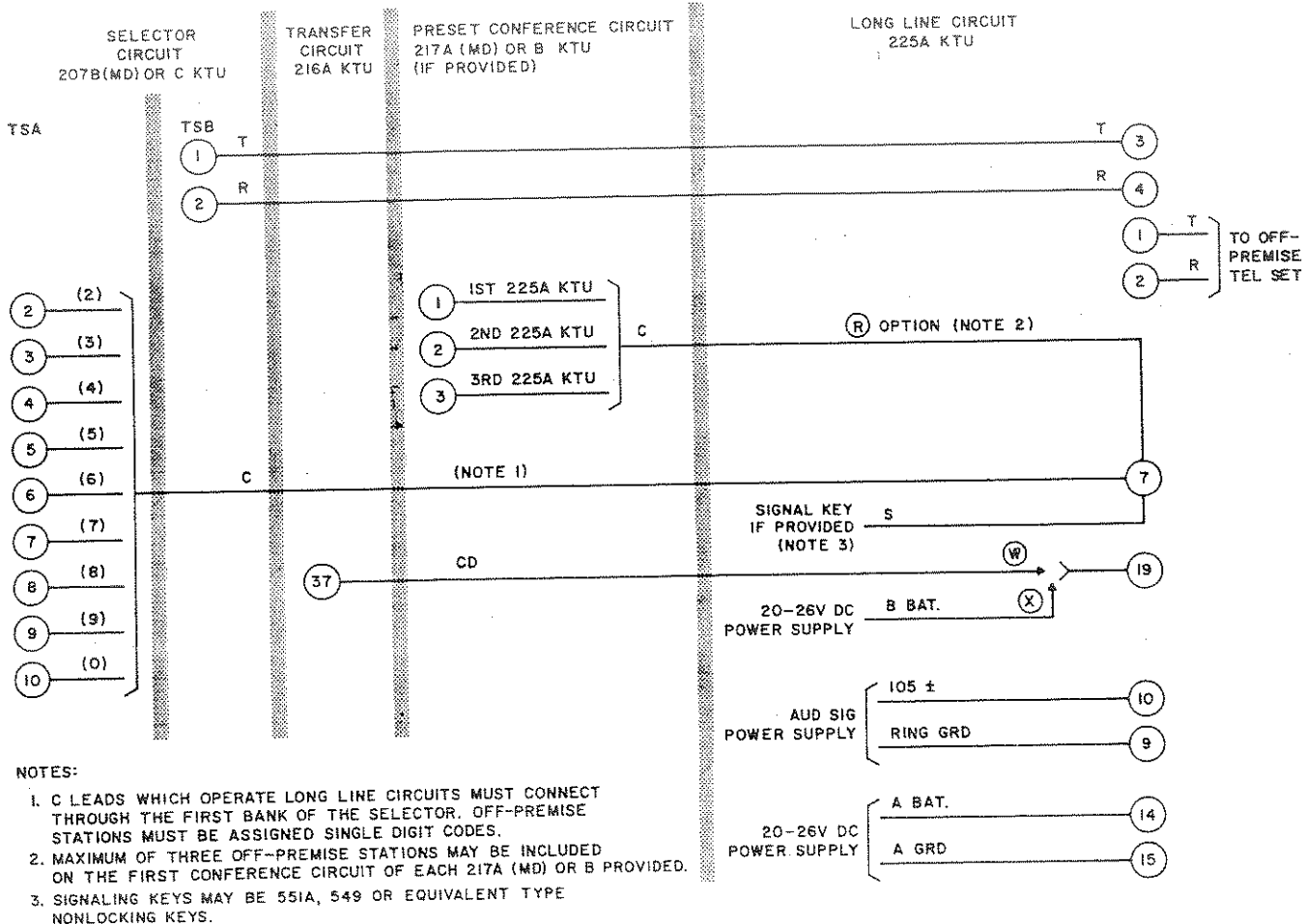


- NOTES:
1. PROVIDE ONE 226A(MD) OR B KTU FOR EACH CENTRAL OFFICE OR PBX LINE TO BE CONFERENCED.
 2. CONNECT TIP, RING, A AND AI LEADS TO KTU OF KEY TELEPHONE SYSTEM IN USE.
 3. PLACE STRAP ON LAST 226A(MD) OR B KTU ONLY.
 4. REFER TO APPROPRIATE BSP SECTION FOR CONNECTIONS TO ACTUAL APPARATUS INVOLVED.

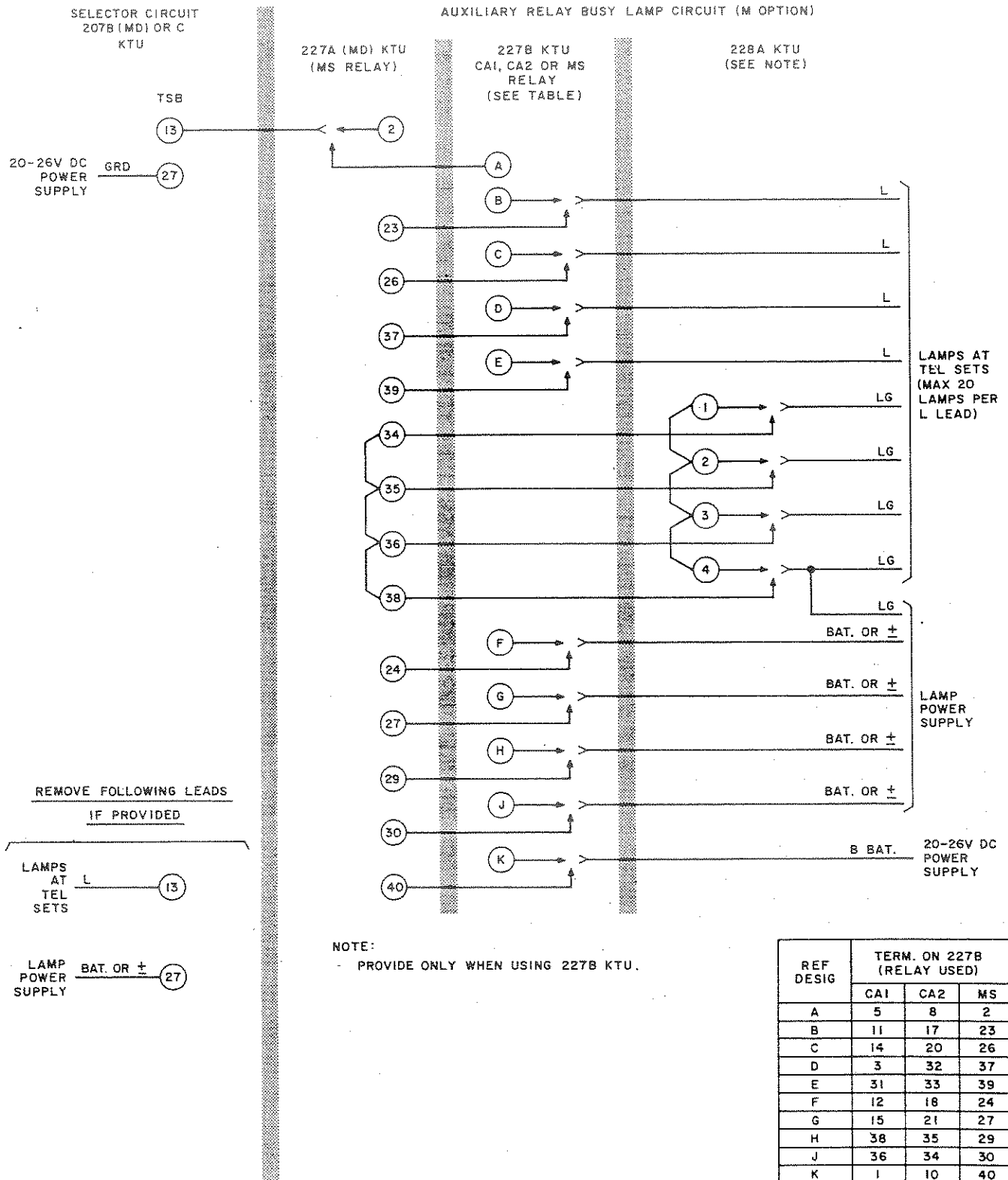
Fig. 2—Addition of Add-On Conference Circuit | 226A (MD) or 226B KTU |



◆ Fig. 3—Addition of Preset Conference Circuit [217A (MD) or 217B KTU] ◆



‡ Fig. 4—Addition of Long Line Circuit (225A KTU) ‡



◆ Fig. 5—Addition of Auxiliary Relay Busy Lamp Circuit [227A (MD) or 227B KTU] ◆

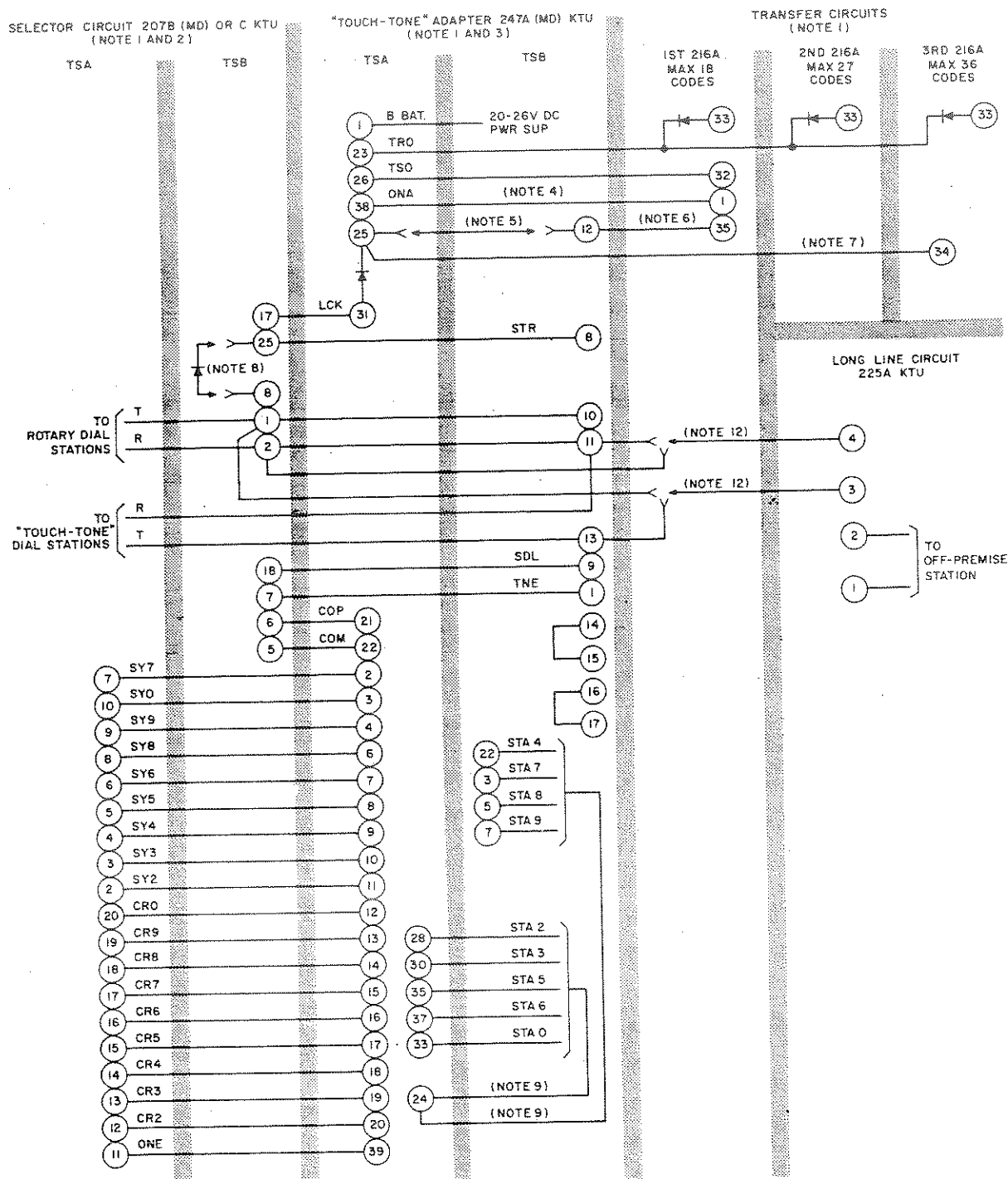
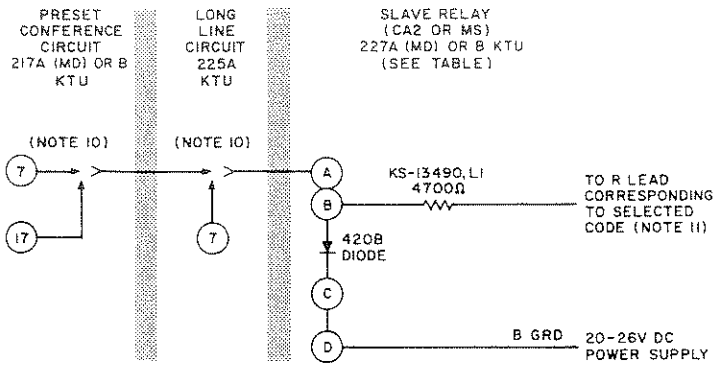
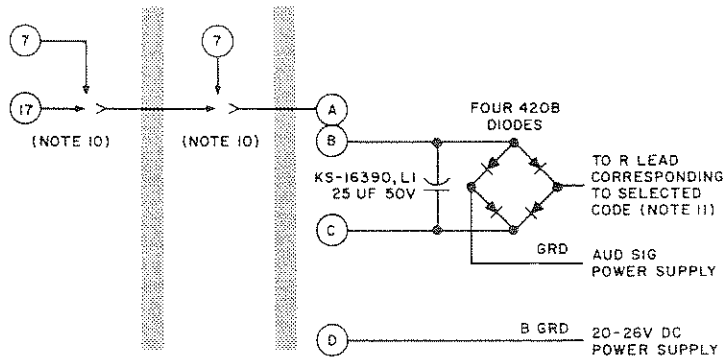


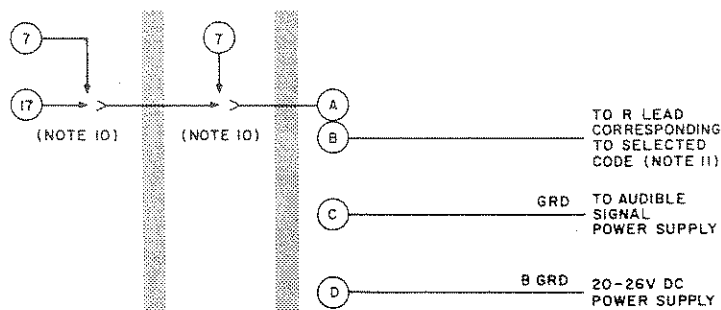
Fig. 6—Addition of TOUCH-TONE Adapter Circuit [247A(MD) KTU] Sheet 1



6A- 105V± USED TO OPERATE AUDIBLE SIGNALS OF 6A KTS



6B- 18V± USED TO OPERATE AUDIBLE SIGNALS OF 6A KTS



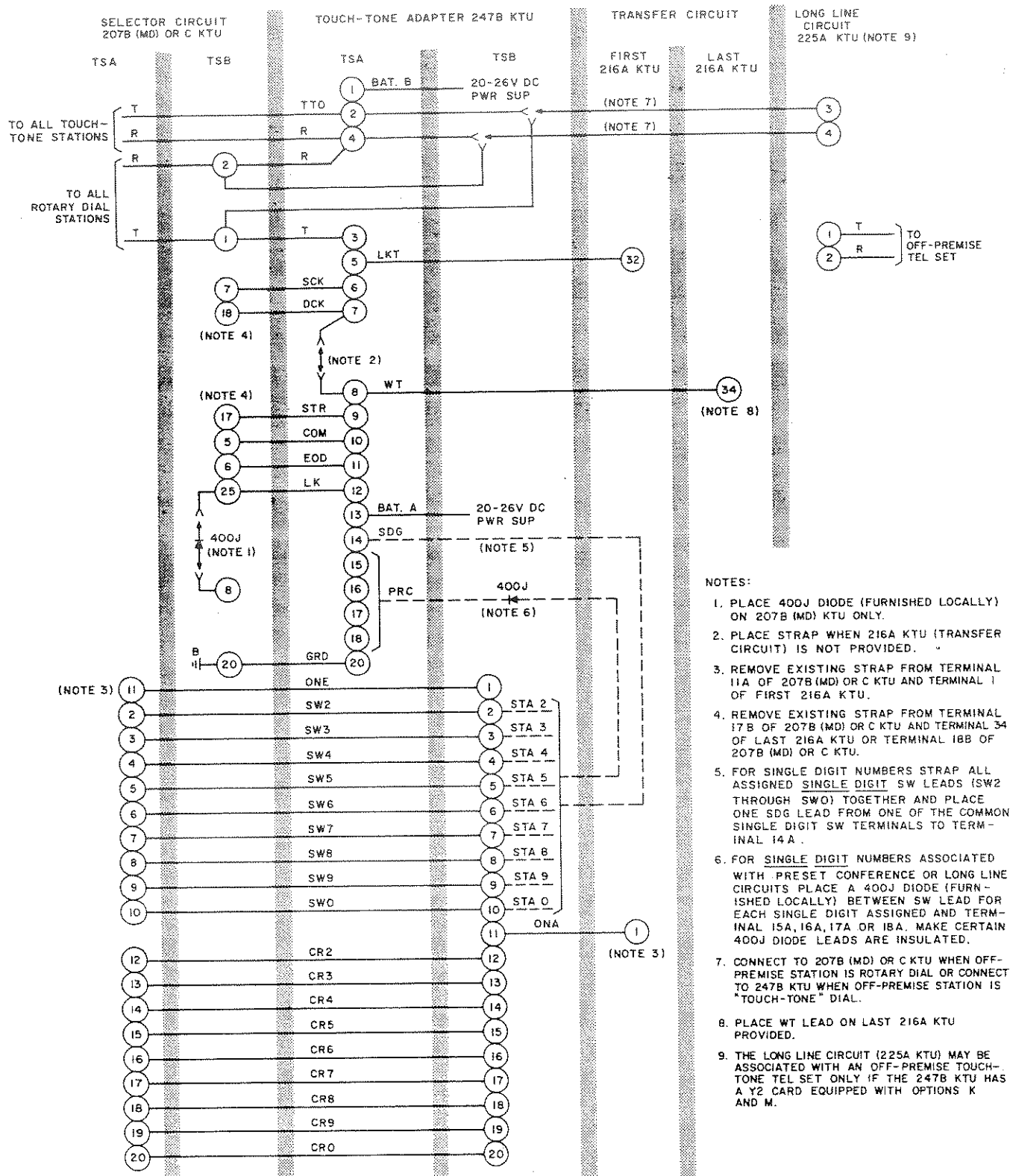
6C- BAT USED TO OPERATE AUDIBLE SIGNALS OF 6A KTS

NOTES:

1. UNLESS OTHERWISE SPECIFIED, ALL DIODES SHOWN ARE 400J OR EQUIVALENT AND MUST BE PROVIDED LOCALLY.
2. EACH LONG LINE (225A KTU) OR PRESET CONFERENCE (217A (MD) OR B KTU) CIRCUIT ON THE 6A KTS REQUIRES A SLAVE RELAY. USE THE CA2 OR MS RELAY OF THE 227A (MD) OR B KTU AND CONNECT AS SHOWN IN FIG. 6A, B, OR C, WHICHEVER APPLIES.
3. BEFORE PLACING 247A (MD) KTU IN SERVICE ADJUST "H" AND "L" RELAY OPERATION. SEE SECTION 518-310-113 FOR ADJUSTMENT.
4. REMOVE EXISTING STRAP BETWEEN TERMINAL 11A OF 207B (MD) OR C KTU AND TERMINAL 1 OF THE FIRST 216A KTU IF PROVIDED.
5. PLACE STRAP WHEN 216A KTU NOT PROVIDED. REMOVE EXISTING STRAP BETWEEN TERMINALS 17B AND 18B OF 207B (MD) OR C KTU.
6. WHEN A 216A KTU IS PROVIDED, REMOVE EXISTING STRAP BETWEEN TERMINALS 35 OF FIRST 216A KTU AND 18B OF 207B (MD) OR C KTU.
7. PLACE STRAP TO TERMINAL 34 OF LAST 216A KTU PROVIDED. REMOVE EXISTING STRAP BETWEEN TERMINALS 34 OF LAST 216A KTU AND 17B OF 207B (MD) OR C KTU.
8. PROVIDE DIODE ON 207B (MD) KTU ONLY.
9. PROVIDE STRAP FOR EACH SINGLE DIGIT NUMBER APPEARING ON THE 6A KTS.
10. REMOVE EXISTING STRAP BETWEEN TERMINAL 7 OR 17 OF THE 217A (MD) OR B KTU OR 7 OF THE 225A KTU AND THE SELECTED C LEAD TERMINAL (TERMINAL 2A-10A) OF THE 207B (MD) OR C KTU.
11. PLACE STRAP FOR CORRESPONDING CODE TO THE SELECTED R LEAD TERMINAL (TERMINAL 12-20) OF THE LAST TRANSFER CIRCUIT PROVIDED OR TO THE SELECTED R LEAD TERMINAL (TERMINAL 12A-20A) ON THE 207B (MD) OR C KTU WHEN NO TRANSFER CIRCUITS ARE PROVIDED.
12. CONNECT TO 207B (MD) OR C KTU WHEN OFF-PREMISE STATION IS ROTARY DIAL STATION OR CONNECT TO 247A (MD) OR B KTU WHEN OFF-PREMISE STATION IS "TOUCH-TONE" DIAL STATION.

REF DESIG	TERMINAL ON 227A (MD) OR B KTU FOR	
	CA2 RELAY	MS RELAY
A	20	26
B	10	40
C	8	2
D	21	27

Fig. 6—Addition of TOUCH-TONE Adapter Circuit [247A (MD) KTU] Sheet 2



◆ Fig. 7—Addition of TOUCH-TONE Adapter Circuit (248B KTU) ◆