

6A KEY TELEPHONE SYSTEM
TWO TALKING LINK ARRANGEMENT
INSTALLATION

1.00 INTRODUCTION

1.01 This section covers the installation of the two talking link arrangement of the 6A key telephone system. It provides information on the features which can be obtained by use of the apparatus and contains a wiring chart showing connections necessary to obtain the features desired.

1.02 The installation of apparatus, key telephone units, keys, station sets, and other items common to general station work is not covered in this section; it is covered in the C section pertaining directly to each item.

1.03 It is assumed that the installation service order or its attachment will specify the features desired in each case and will assign the station codes to be used.

1.04 A careful review of the immediate needs of the customer, together with a consideration of his future rearrangements and requirements, will be beneficial in determining the method of installation. Since each of these installations will vary to a degree because of the particular requirements of each customer, a fixed schematic layout is not included in this section. Each installation should be arranged in a manner that will permit maximum flexibility under the particular circumstances.

1.05 There are many different service arrangements possible with this equipment; close cooperation between and within the various departments of the telephone company and with the customer is desirable to obtain the best results.

2.00 WIRING AND CABLING

Inside wire and cable are used to install a 6A key telephone system. Information relative to placing wire and cable is contained in other C sections and will not be covered in this section.

3.00 APPARATUS

Key telephone units to provide the necessary relay equipment for installing a 6A key telephone system have been designed for mounting in existing apparatus cabinets. Refer to Section C71.011, 6A Key Telephone System, Identification, for the dimensions of each key telephone unit and for the features each provides.

4.00 POWER SUPPLY

The 6A key telephone system is designed to operate from a 20 to 26-volt dc source. Since associated installations of other key equipment or key systems operate at a somewhat lower value (14 to 26 volt), it may be necessary to replace the existing power supply or use an independent supply for the 6A system equipment. Power supply arrangements for station systems are covered in another C section which lists various power plants that can be used.

5.00 FUSING

Circuits are fused in accordance with the following:

- One 2-ampere fuse for talking battery, designated A.
- One 2-ampere fuse for signaling battery, designated B.
- One 2-ampere fuse per maximum of 36 signal lamps, designated C.
- One 2-ampere fuse for dc audible signal supply, designated D.

6.00 CONNECTIONS

6.01 It is suggested that the equipment be wired individually to a common cross-connecting point. Certain features can be obtained by strapping between individual key units; connections for other features will be facilitated if they are made on a common connecting block or terminal strip.

SECTION C71.014

6.02 The connection chart (Fig. 1) serves as a guide to the installer in connecting the 6A equipment units to provide the desired features.

6.03 A further recommendation is that the job requirements be determined from

the service order or work sheet, and the required wiring options then be determined from Table D. With this information, the installer can consult the connection chart (Fig. 1) for the proper connections which have to be made.

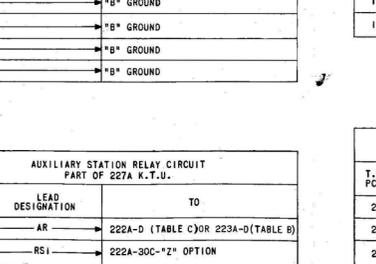
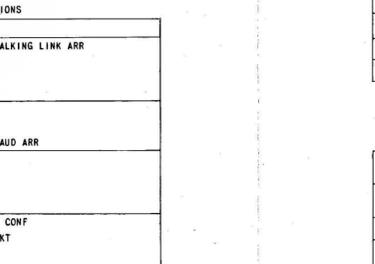
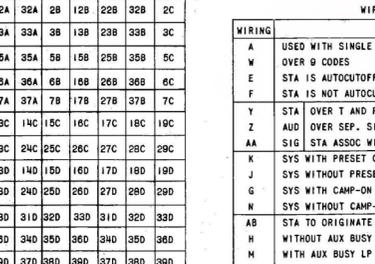
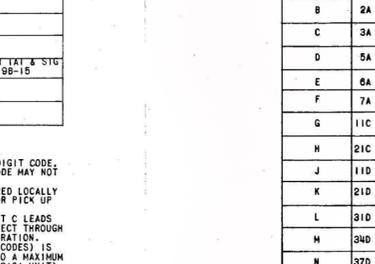
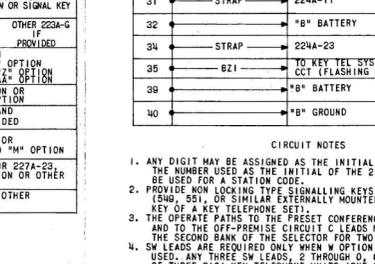
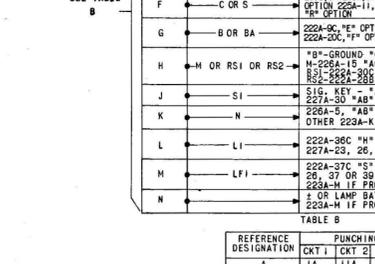
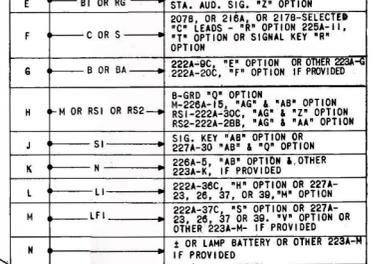
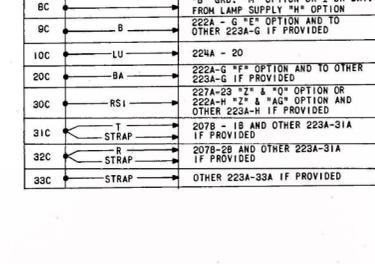
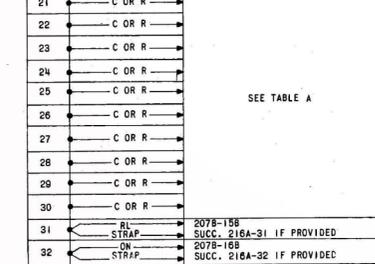
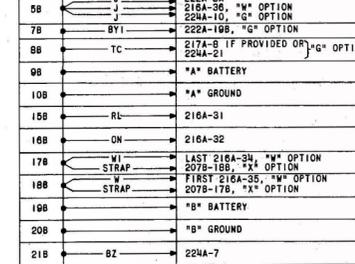
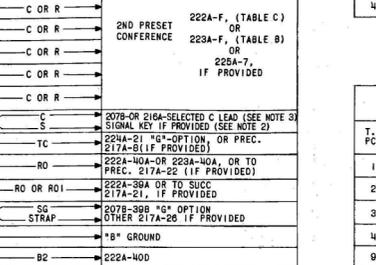
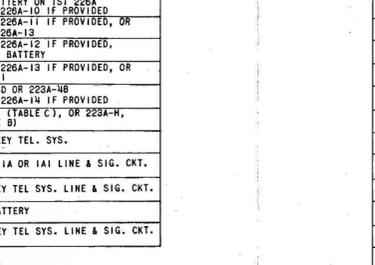
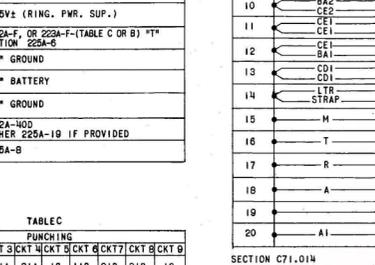
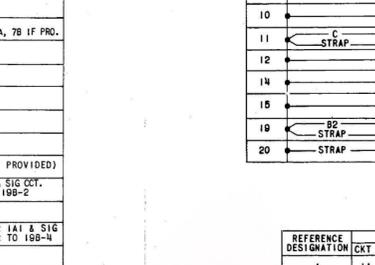
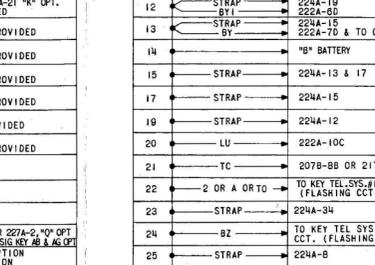
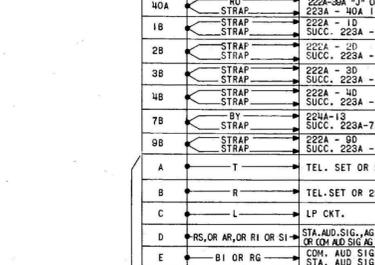
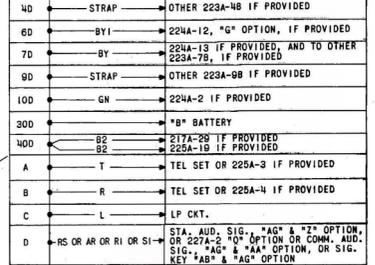
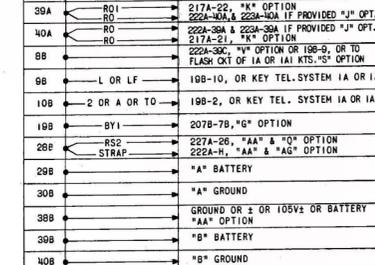
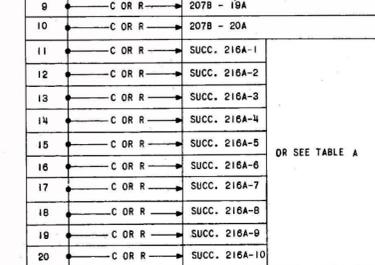
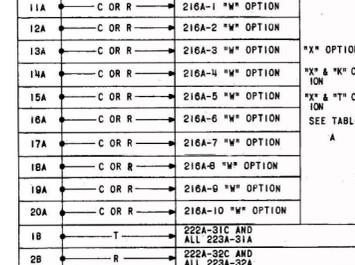
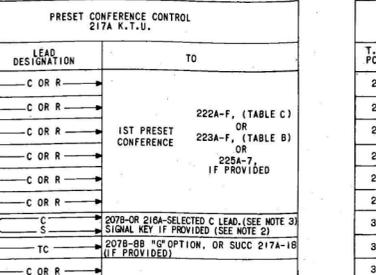
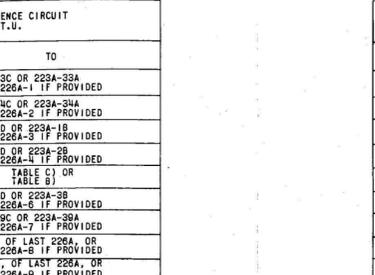
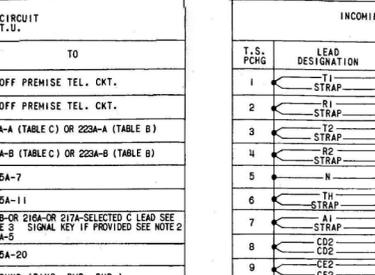
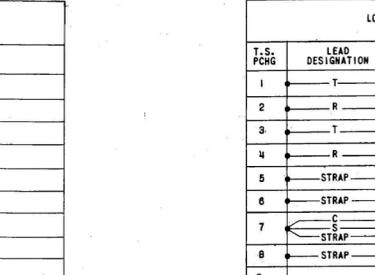
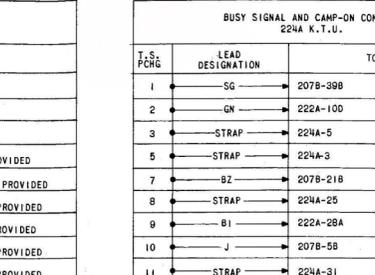
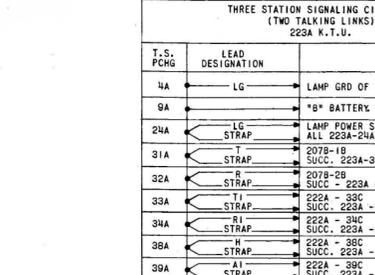
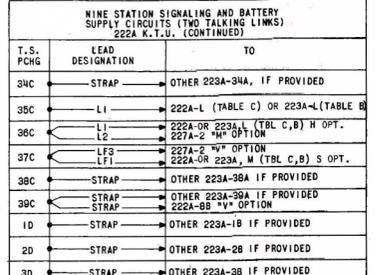
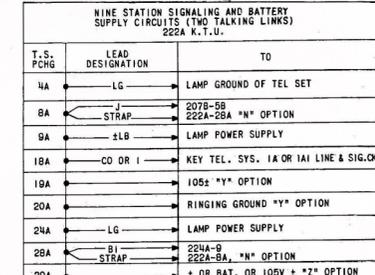
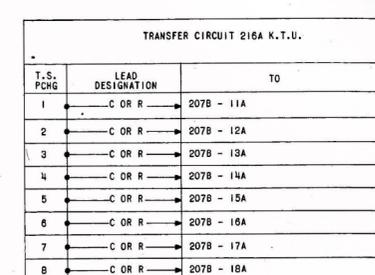
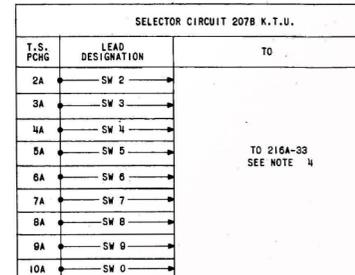


TABLE A

OPTION	KTU	PCHG.
X	222A	F (SEE TABLE C)
X & T	217A	17 - 2ND CKT
X & K	225A	7
W	222A	F (SEE TABLE C)
W & K	217A	17 - 1ST CKT
W & T	225A	7

TABLE B

REFERENCE DESIGNATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
A	1A	11A	21A	31A	41A	51A	61A	71A	81A	91A	101A	111A	121A	131A	141A	151A	161A	171A	181A	191A	201A	211A	221A	231A	241A	251A	261A	271A	281A	291A	301A	311A	321A	331A	341A	351A	361A	371A	381A	391A	401A

TABLE C

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TABLE D

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TABLE E

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TABLE F

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TABLE I

REFERENCE DESIGNATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
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TABLE K

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Fig. 1 - Connection Chart - Two Link Arrangement