

CIRCUIT NOTES:

DESIG	FUSE AMP	POTENTIAL	ONE PER
		-24 SIG	FUSE PROV ON ASSOC KSU OR PML CKT
BATTERY SYMBOL		VOLTAGE RANGE	
-24		20-26V	

FEATURE OR OPTION		PROVIDE		
		APP FIG.	APP OR WRG	QUANTITY
CONFERENCE CKT (417A KTU)		1		ONE PER 2 PBX LINES
CONTROLLED BY EXCLUSION KEY			Y	
CONTROLLED BY NONLOCKING KEY	ONE STA CONTROL OR SPKRPHONE SYS NO. 1A, 1A1, OR 3A		X,Z	
	TWO STA CONTROL		W,Z	

RECORD OF APP FIGURES, WIRING AND APPARATUS CHANGES							
CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT			
				STD	A&M	MO	

- THE STATION UTILIZING THE CONFERENCE CIRCUIT MUST BE EQUIPPED WITH A HOLD CKT. THE CONFERENCE CIRCUIT MAY BE CONTROLLED BY A NONLOCKING KEY OR AN EXCLUSION KEY.
- WHEN THE CIRCUIT IS CONTROLLED BY THE EXCLUSION KEY, REMOVE THE G-Y AND R-Y LEADS FROM THE IT AND IR TERMINALS IN THE TELEPHONE SET AND INSULATE. A GRD B IS CONNECTED TO THE BK-BL LEAD ON THE EXCLUSION KEY.
- WHEN TWO STATIONS ARE USED TO CONTROL THE CONFERENCE CIRCUIT, A KS-15724, L1 DIODE OR EQUIV IN SERIES WITH EACH BL LEAD IS REQUIRED.
- WHEN THIS UNIT IS CONNECTED TO KEY TELEPHONE SYSTEM NO. 1A1, A 20-26 VOLT BAT. B MUST BE PROVIDED.
- TOTAL LOOP RESISTANCE OF LEAD S TO GRD B SHALL NOT EXCEED 50 OHMS.

SUPPORTING INFORMATION

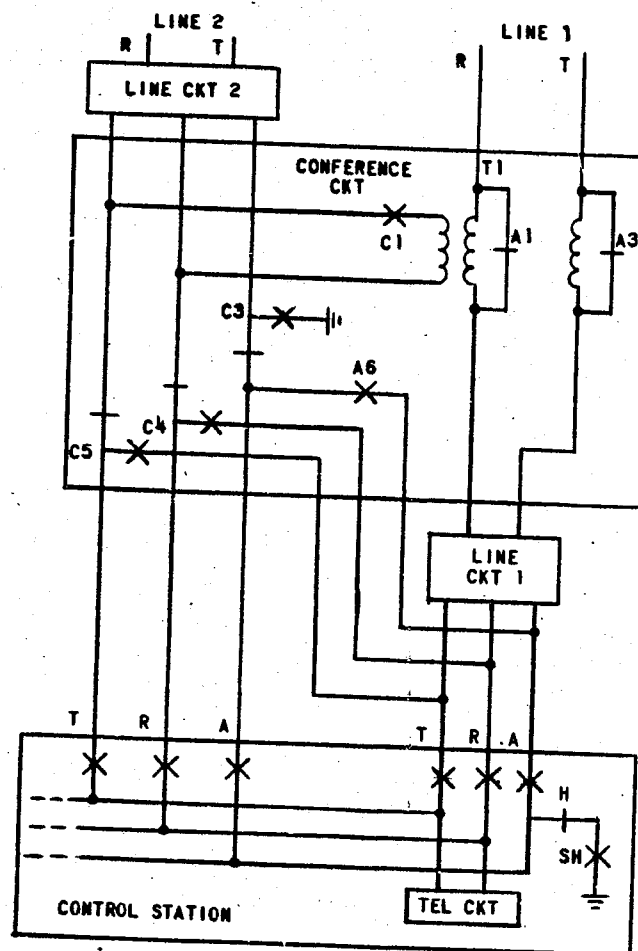
CATEGORY	NO.

DWG ISSUE	CD ISSUE	DATE ISSUED	APPROVED
1	1	4-14-66	ANS DNT KAH
2A	2A	9-6-67	ANS DNT KAH

INFORMATION NOTES:

- UNLESS OTHERWISE SPECIFIED: RESISTANCE VALUES ARE IN OHMS, CAPACITANCE VALUES ARE IN MICROFARADS, VALUES PRECEDED BY THE SYMBOL + (PLUS) OR - (MINUS) ARE IN VOLTS.

302. DIAGRAM OF THREE PARTY CONFERENCE



OPTION INDEX

APP OR WRG	LOCATION
Z	DO
Y	FO
X	DO
W	APP FIG. 1, DO, EO

SD-69561-01

1K03

STATION SYSTEMS
KEY TELEPHONE SYSTEM NO. 1A2
CONFERENCE CIRCUIT
FOR TWO PBX LINES

AT&TCO
STANDARD

SD-69561-01-1

BELL TELEPHONE LABORATORIES
INCORPORATED

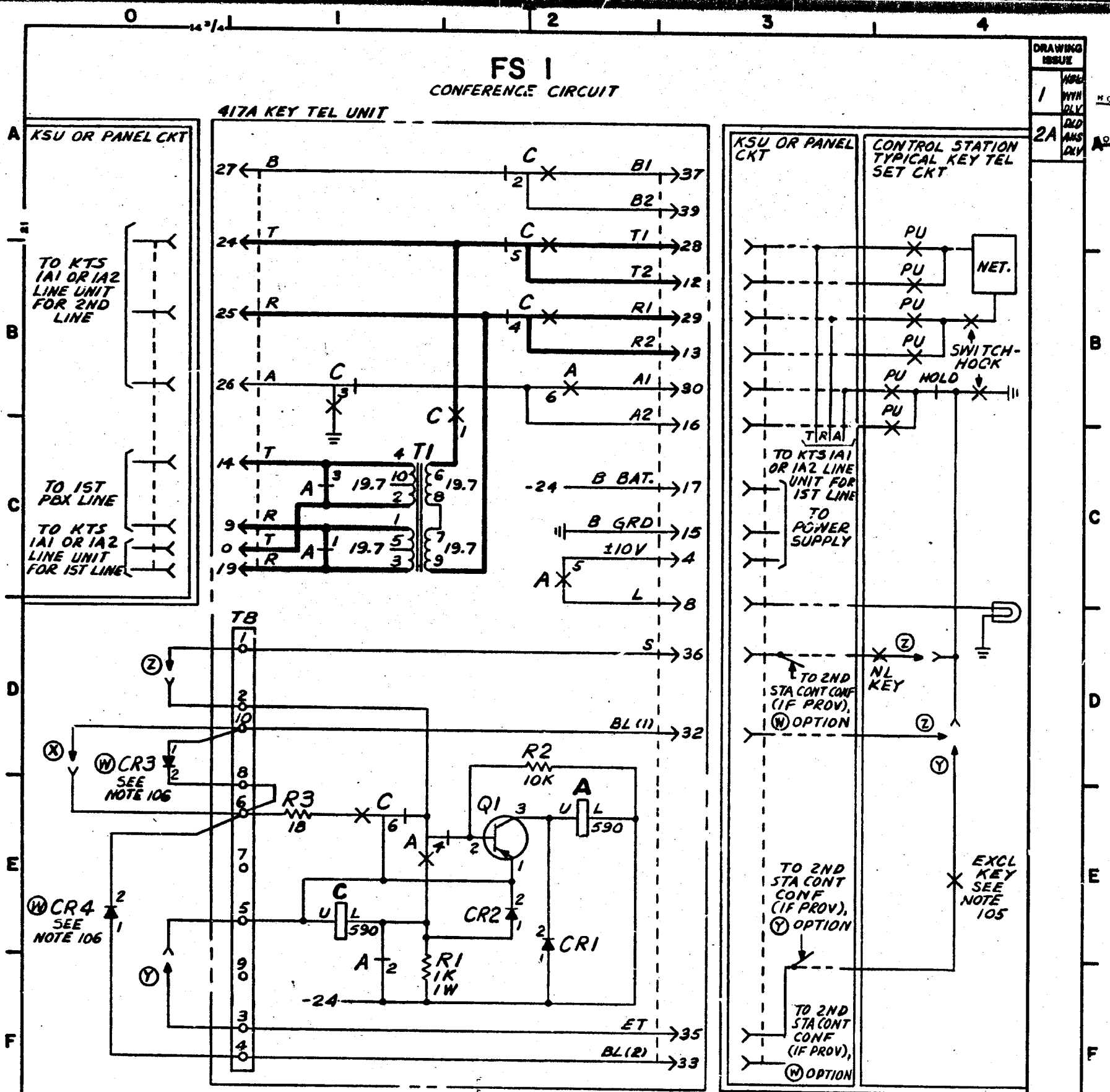
2
3S

2 SHEETS

PRINTED IN U.S.A.

HND BK DWG. 5

SD-69561-01-1



APP FIG. I

RELAY

DESIG	A	C
CODE	MB5	MB5
OPTION		
CONT ARR	LOC	CONT ARR
LOC	LOC	LOC
6	EMB B2	EMB E1
5	EBM C2	EBM A2
4	EBM E1	EBM B2
3	EBM C1	EBM B1
2	EBM F1	EBM A2
1	EMB C1	EMB C1
COIL	X E2	X E1

RELAYS NOT ADJUSTABLE. REPLACE WHEN THERE IS MALFUNCTION.

417A KEY TEL UNIT E/W

CONNECTING BLOCK

DESIG	LOC	CODE
TB	D1	77A

RESISTOR

DESIG	LOC	CODE
R1	F2	KS-13490 L1, 1K
R2	D2	KS-13490 L2, 10K
R3	E1	KS-13490 L2, 18

TRANSISTOR

DESIG	LOC	CODE
Q1	E2	12H

DIODE

DESIG	LOC	CODE
CR1	E2	400J
CR2	E2	400J

TRANSFORMER

DESIG	LOC	CODE
T1	C1	2578U

DIODE

DESIG	LOC	CODE
CR3	D0	KS-15724, L1
CR4	E0	KS-15724, L1

DRAWING
1
2A

2

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