

SHEET INDEX

SHEET NO.	CONTENTS
1	SHEET INDEX OPTION INDEX SUPPORTING INFO WORKING LIMITS CIRCUIT NOTES EQUIPMENT NOTES INFORMATION NOTES
2	FS 1 TRUNK CIRCUIT APP FIG. 1.2 & 3 FS 2 ISOLATION AMPLIFIER
3	CIRCUIT REQ'T TABLE
4	CAD 1-5
5	CAD 6-10

OPTION INDEX

APP OR WRG	LOCATION
2	APP FIG. 2
3	APP FIG. 3, 2P7
Z	APP FIG. 1.2C0, 2E0
Y	2A0
X	2B0
W	2C0
V	2D0
T	APP FIG. 1.2D5, 2C5
S	2C3, 2D3
R	APP FIG. 1.2C3, 2C4, 2D3
Q	2C3, 2D3
N	2C3, 2D3
M	APP FIG. 1.2D5
K	2F0
J	2C4
G	2D5
F	2C3, 2C4, 2D3
E	2C3, 2C4, 2D3

CIRCUIT NOTES:

DESIG	FUSE APP	POTENTIAL	ONE PER	TERM. DESIG
	1-1/3	-48V TALK	CKT	
BATTERY SYMBOL		VOLTAGE RANGE		
	-48	45-52V		

FEATURE OR OPTION	PROVIDE		
	APP FIG.	APP OR WIRING	QUANTITY
TRUNK CKT MANUALLY SELECTED IN 756A		X	
PICK-UP REQ'D ON		W	
1ST ATTENDANT EQUIPMENT	1	Y	
2ND ATTENDANT EQUIPMENT & BUTTON KEY TEL SET		K	
KEY OR JACK REQ'D ON ATT EQUIPMENT 408C SMD		V	
TRUNK CKT DIAL SELECTED IN 756A	1	G	1 PER TRK
OUTPUT FROM EXTERNAL MUSIC SOURCE		J	
FOR USE IN MD 558A SYSTEM OR FOR USE IN SW SYS 400	1		
FOR USE IN 800A PBX	1,2		1 PER PBX
ISOLATION AMPLIFIER FOR ONE-WAY TRANSMISSION (SEE NOTE 304)		E	1 PER TRK
		F	
FOR USE IN THE 801A PBX	1	X	
1ST ATTENDANT CONSOLE		W	
2ND ATTENDANT CONSOLE			

NETWORK VALUES		
NETWORK NO.	RESISTANCE IN OHMS	CAPACITANCE IN UF

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	MD
4D	V	Z		V		Z
4D	T	NONE		T		
7B	R OR S	S		R		S
7B	FIG. 2	NONE	102	FIG. 2		
8B	APP FIG. 3 Q OR N	G	102	FIG. 3 Q, N		
9D	M	R	303	M		R
	K	NONE	102	K		
	G, J	J	102, 302	G, J		
	E, F	N, Q	102	E, F		N, Q

- EQUIPMENT NOTES:**
- 201. CAD. 2 WAS ADDED ON ISSUE 5D.
 - 202. CAD. 3 WAS ADDED ON ISSUE 6D.
 - 203. CAD. 4 WAS ADDED ON ISSUE 7B.
 - 204. CAD 1 REVISED AND CAD 5 ADDED ON ISSUE 9D.
 - 205. CADS 6-10 ADDED ON ISSUE 10D.

- INFORMATION NOTES:**
- 301. 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. WHEN CONNECTING TO CUSTOMER OWNED EQUIPMENT COMMON GROUND ON TAPE, TUNER, OR OTHER EXTERNAL SOURCE OUTPUT MUST BE CONNECTED TO COMMON GROUND ON PAGING AMPLIFIER TIP CONDUCTOR MUST BE COMMON GROUND.
 - 303. REQUIREMENTS NOT TO BE EXCEEDED BY THE CUSTOMER USED SWITCHING CONTACTS ARE:
 - A) MAXIMUM CURRENT - 0.4 A/PS.
 - B) MAXIMUM VOLTAGE - 52 VOLTS (AC OR DC) LEADS CARRYING AC MAY CAUSE HUM IF INSTALLED IMPROPERLY.
 - C) INDUCTIVE LOADS SHOULD HAVE CONTACT PROTECTION NETWORKS INSTALLED.
 - D) CONTACTS MAY NOT BE PLACED IN PARALLEL TO INCREASE CURRENT RATING.
 - 304. THE 2BA COUPLER PROVIDES ISOLATION AND VOLTAGE LIMITING. WHEN THE COUPLER IS PROVIDED, ISOLATION AMPLIFIER PER FIG. 3 IS NOT REQUIRED. OPTION F MUST BE PROVIDED.

WORKING LIMITS
 MAX. EXT CKT LOOP 1885
 MIN. INS RES 20,000

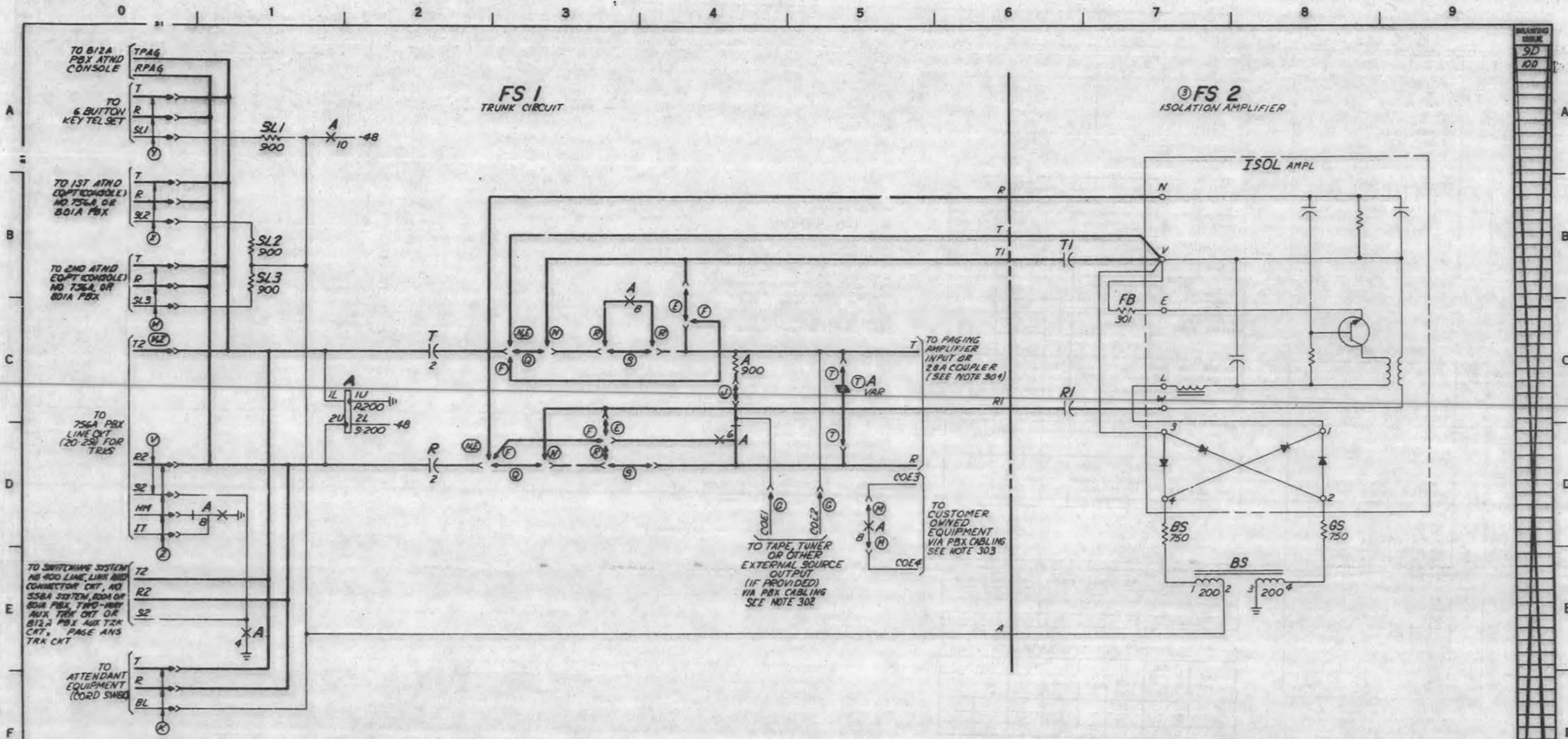
SUPPORTING INFORMATION

CATEGORY	NO.
NO. 756A PBX CABLING DIAGRAM	SD-65746-01 SD-66920-01
EQUIPMENT INFORMATION	J58829N-()
INSTALLATION BSP	551-144-210
OPERATION TEST BSP	551-191-501

ISSUE	CD	ISSUE	CD	ISSUE	CD
1	1	2D	2D	3D	3D
4D	4D	5D	5D	6D	5D APP ID
7B	5D APP 2B	8B	5D APP 3B		
9D	6D	5-1-70			
10D	7D	7-29-71			
11D	7D APPX ID	2-24-74			
12D	7D APPX 2D	11-25-75			

NOTICE
 NOT FOR USE OR DISCLOSURE OUTSIDE THE BELL SYSTEM EXCEPT UNDER WRITTEN AGREEMENT

REPLACING ES-944149		ISSUE 12D
SD-65747-01	PBX SYSTEMS NO. 558A SYSTEM, 756A, 800A, 801A, 812A PBX OR	AT&CO STANDARD A&M ONLY FOR 558A SYSTEM, 756A AND 800A PBX
SWITCHING SYSTEM NO. 400 LOUDSPEAKER PAGING TRUNK CIRCUIT		SD-65747-01-1 5 SHEETS
BELL TELEPHONE LABORATORIES INCORPORATED		FORM 65 MAY 1964



APP FIG. 1

RELAY		
DESIG	LOC	CODE
A	AJ57	
OPTION		
12		
11		
10	M 2A1	
9		
8	EBM 2	
7		
6	EEM 2D4	
5		
4	M 2E1	
3		
2		
1		
COIL	2C2	
2	2D1	
3	2C3	
4	2D5	

APP FIG. 2

CAPACITOR		
DESIG	LOC	CODE
1) R	2D2	437E
T	2C2	
RESISTOR		
DESIG	LOC	CODE
A	2C4	18FB
SL1	2A1	18FB
SL2	2B1	198A
SL3	2B1	
VARISTOR		
DESIG	LOC	CODE
1) A	2C5	33L

APP FIG. 3

CONN CABLE		
DESIG	LOC	CODE
		ED-1E073-01-01
AMPLIFIER		
DESIG	LOC	CODE
ISOL	2B8	151D
CAPACITOR		
DESIG	LOC	CODE
1) RI	2C6	437E
TI	2B6	
INDUCTOR		
DESIG	LOC	CODE
BS	2E8	274L
RESISTOR		
DESIG	LOC	CODE
BS	2D7	18DR
FB	2B7	144E, 301
GS	2D8	18DR

LOUDSPEAKER PAGING TRUNK CIRCUIT

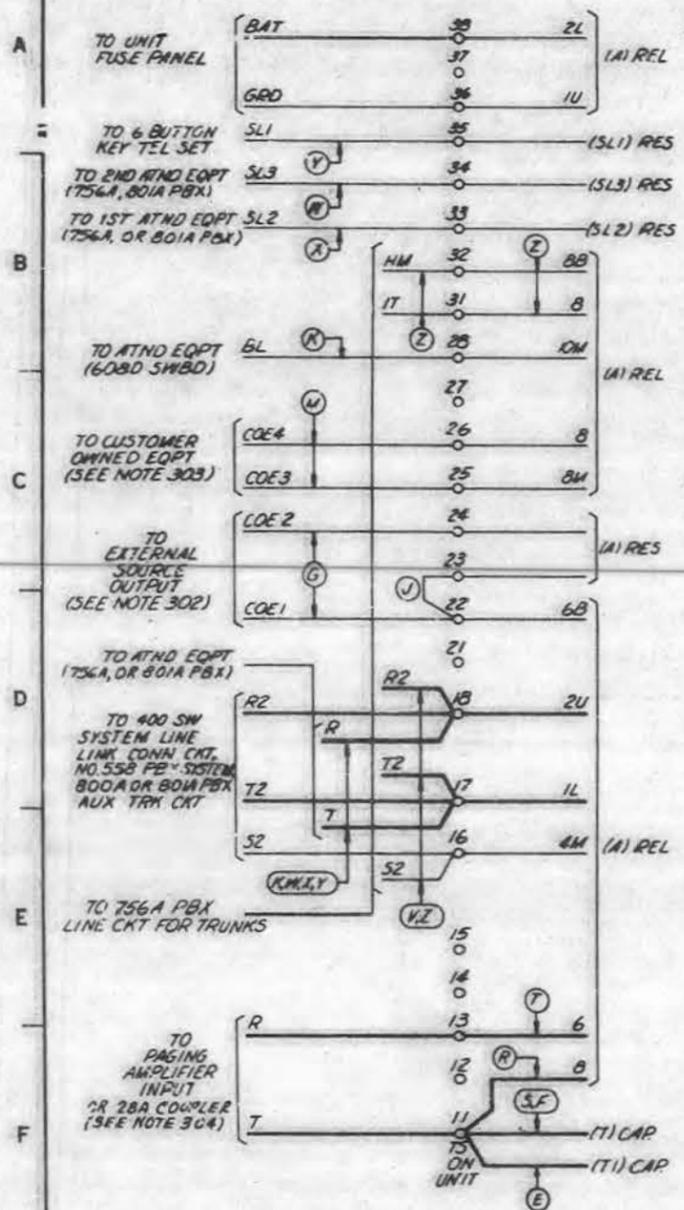
BELL TELEPHONE LABORATORIES

SD-65747-01-2

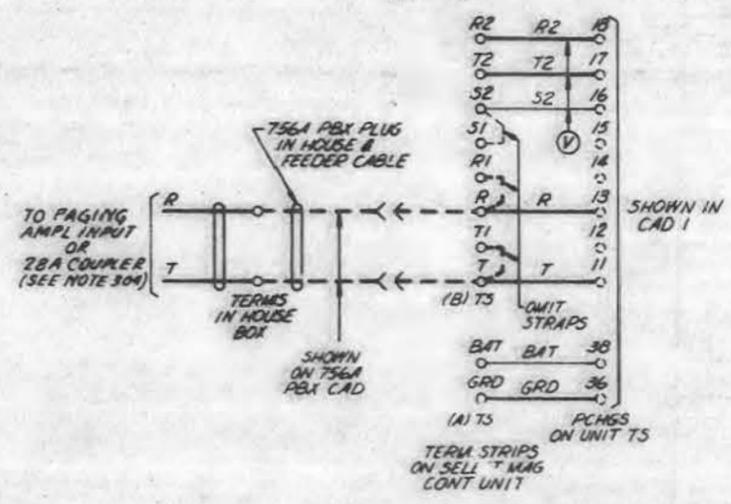
ISSUE 12D

6S

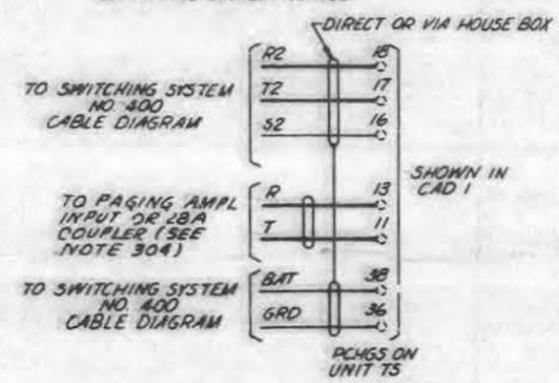
CAD 1
(FOR FIG 1 & 3)



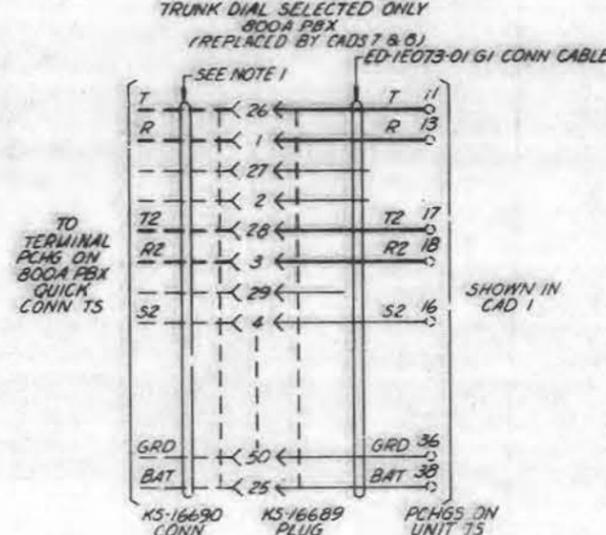
CAD 2
TRUNK DIAL SELECTED ONLY
(UNIT ON SLIDE 3)
756A PBX



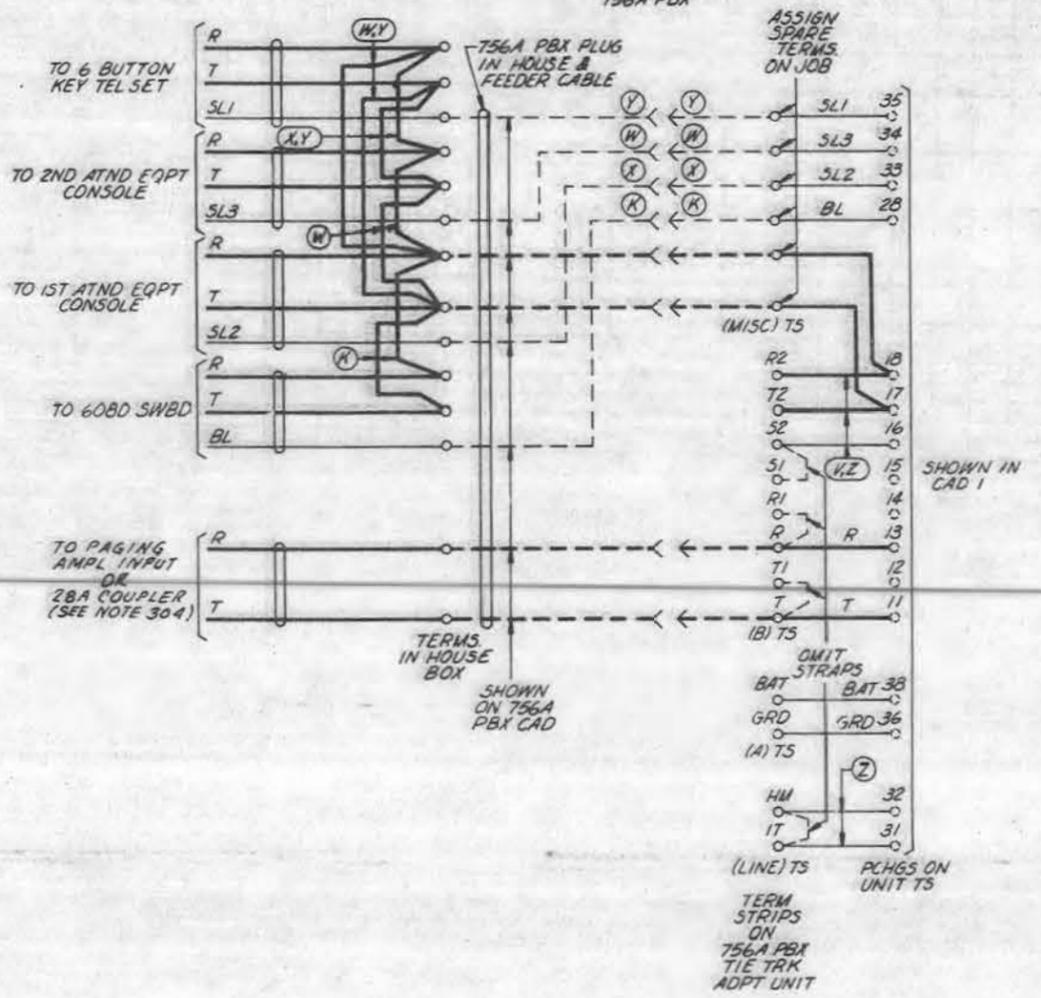
CAD 3
TRUNK DIAL SELECTED ONLY
SWITCHING SYSTEM NO. 400



CAD 4 (MFR DISC.)
TRUNK DIAL SELECTED ONLY
800A PBX
(REPLACED BY CADS 7 & 8)
ED-1E073-01 G1 CONN CABLE

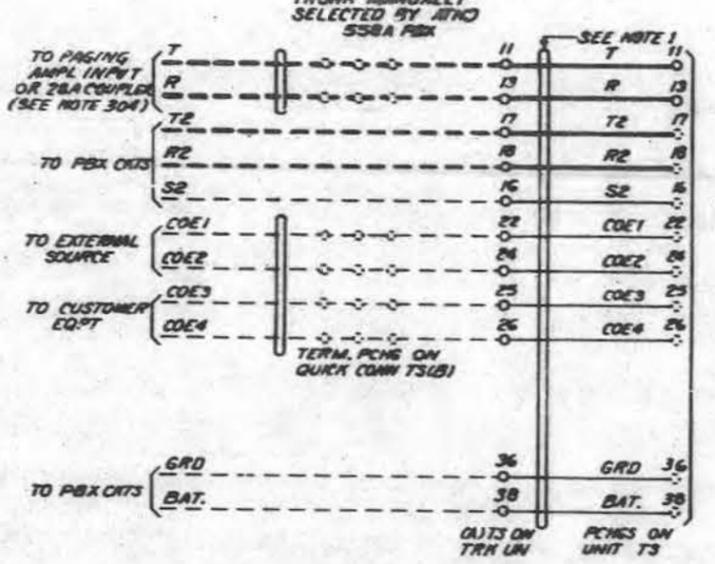


CAD 5
(UNIT ON SLIDE 2)
756A PBX

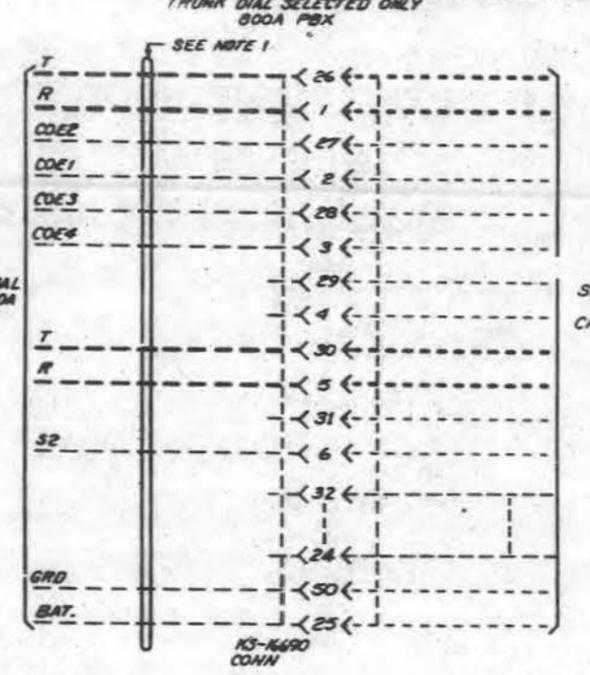


NOTES:
1. THIS CABLE IS NOT INCLUDED WITH THE 800A PBX QUICK CONNECT FIELD. IT MUST BE SUPPLIED LOCALLY.

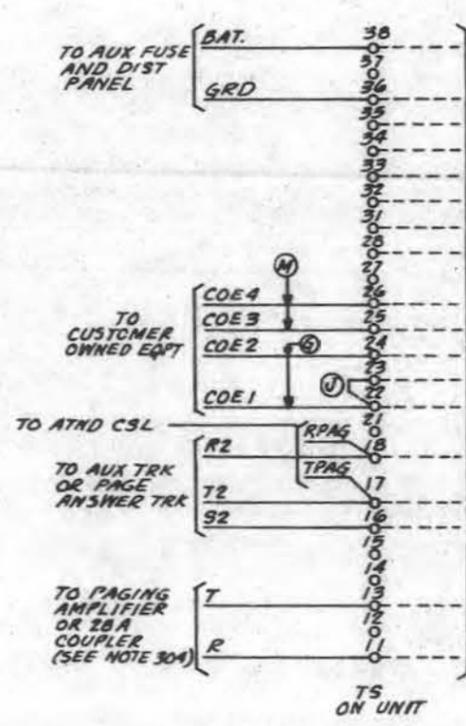
CAD 6 (A & M ONLY)



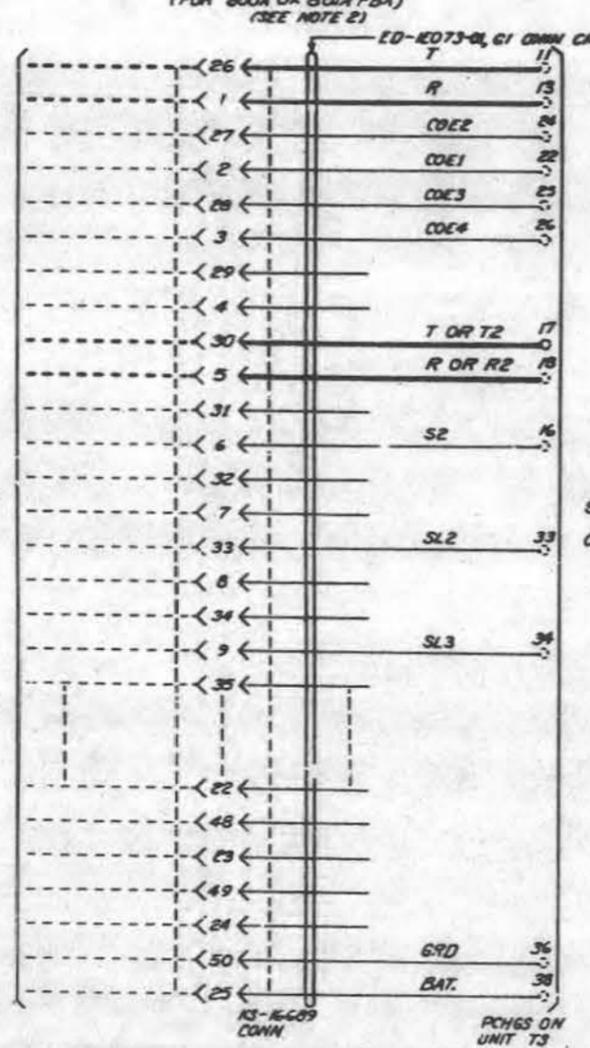
CAD 8 (A & M ONLY)



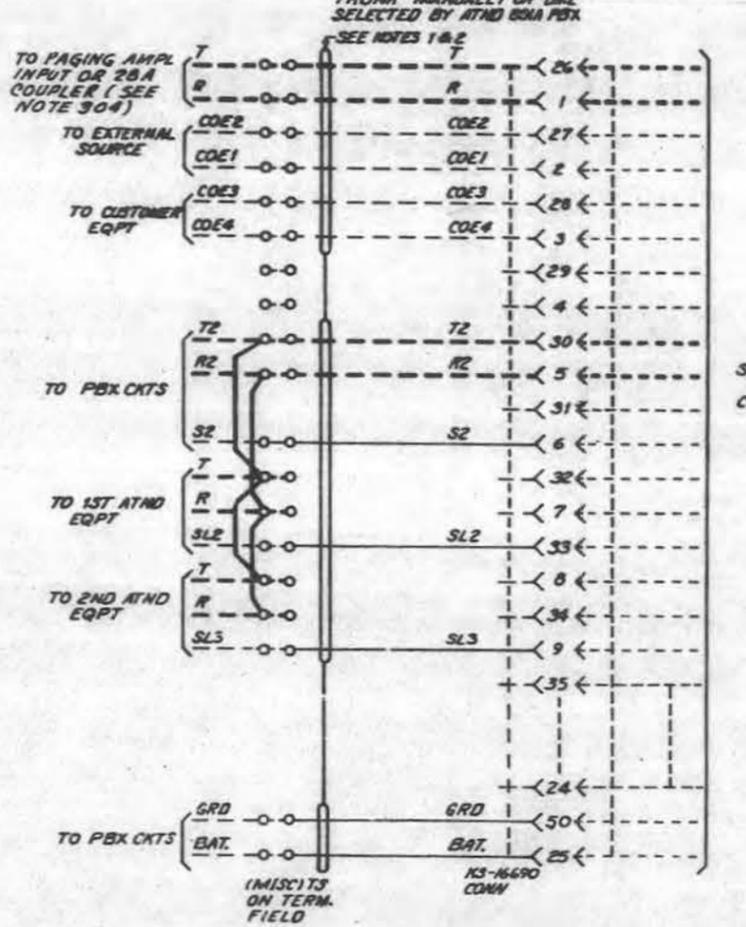
CAD 10 (FOR 812A PBX)



CAD 7 (FOR 800A OR 801A PBX)



CAD 9



NOTES:
 1. THESE CABLES ARE NOT PROVIDED WITH THE PBX'S, BUT MUST BE SUPPLIED LOCALLY.
 2. THIS CABLE IS OPTIONAL. THE INSTALLER MAY CONNECT DIRECTLY FROM UNIT TS TO TERMINAL FIELD.

DRAWING ISSUE 120