

SD-65900-01 CIRCUIT REQUIREMENTS															
APPARATUS		MECH. REQ.		CIRCUIT PREPARATION		TEST		DIRECT CURRENT FLOW REQ.		TIME REQ.					
DESIG	CODE	OPTN	FIG	RESID	BSR FIG	CONTAIN BLOCK OR PRESSURE INSULATE	TEST CLIP DATA	SET	TEST	TEST	TEST	TEST	TEST	TEST	REMARKS
A	221A	1	7-11	726	8	B(NO)	TST-JK-2	TST-JK-1	M	1/2	F/R	0	FS	15.1	14.8
B	248G	1	45-4	517	27	1(A)	TST-JK-2	TST-JK-1	M	2	F/R	NO	FS	10.5	10
C	221EF	1	S-4	164	13	(VERT)NO	TST-JK-2	TST-JK-1	M	10	F/R	NO	FS	6.5	9
D	222KC	1	S-4	385	15	(VERT)NO	TST-JK-2	TST-JK-1	M	10	F/R	NO	FS	500	90
E	221NL	1	7-9	700	16	4(C)	TST-JK-2	TST-JK-1	M	10	F/R	NO	FS	62	69
F	222JU	1	S-4	381	29	(VERT)NO	TST-JK-2	TST-JK-1	M	10	F/R	NO	FS	105	100
Z	225B	F	1	S-4	89	13	T(Z)	GRD						11.0	10.5

NOTES:
 1. ARMATURE NEED NOT TOUCH CORE.
 2. CONTACT FOLLOW SPRINGS 2-3 MIN. 8 CONTACT SEPARATION ON ALL CONTACTS MIN. 3.
 3. FOR USE WHEN TIMING REQ. ARE NOT APPLIED.
 4. SHORT CIRCUIT SPRINGS 3 & 4 OF TEST JACKS.
 5. CONTACTS 1-2 MAY BREAK.
 6. NO CONTACTS MAY BREAK.
 7. CONTACTS 1-2 SHALL MAKE BEFORE SPRING 1 STRIKES BUSHING ON SPRING 4.
 8. CONTACTS 1-2 MAY MAKE.
 9. JACK SPRINGS 9-11 SHALL MAKE CONTACT WHEN SW. IS REMOVED.
 10. FOR USE WHEN TIMING REQ. ARE APPLIED.
 11. TEST HOLD USE 1400G LOOP IN PULSING TEST SET.
 12. TEST HOLD USE LEAD A IN PULSING TEST SET.

197FN SWITCH 344 JACK 242A PLUG

CIRCUIT NOTES:

DESIG	AMP	POTENTIAL FUSED	ONE PER
A	1-1/3	48V SIGNAL	FIG. 1(701A,711A OR 740E)
A	3	48V SIGNAL	3 FIGS. 1(701B OR 711B)

FEATURE OR OPTION	PROVIDE	
	FIG.	APP OR WIR
REGULAR SELECTOR CIRCUIT WITH RESTRICTED SERVICE (SEE NOTE 302)	E, H, V	
INCOMING SELECTOR AND PAD CONTROL IS (SEE NOTES 303 AND 304)	H	
AND USED WITH TIE TRUNKS (SEE NOTE 305)	G	
AND USED WITH TRUNK CIRCUIT SD-5E028-01 OR EQUIVALENT (SEE NOTES 105 AND 308)	E, T	
DIGIT ABSORBING ON FIRST REQUIRED (SEE NOTES 301 AND 306)	X	1 PER SEL
DIAL TONE	W	
ALL PATHS BUSY	Z	
TONES AT	Y	
CONNECTION TO TRAFFIC MEASUREMENT SYSTEM NO. 1A	ZB	
	ZC	
	W	
	V	
	T	
	S	
	R	
	N	
	M	
	H	
	G	
	F	
	E	
	B	
	A	

NETWORK VALUES		
NO.	CODE	CAPACITY IN UF
1	178A	1.0

RECORD OF FIGURES, WIRING, AND APPARATUS CHANGES							
CHANGED ON ISS.	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN.	SEE NOTE	USE IN CIRCUIT			
				S.T.D.	A&M	M.D.	SPL
3D				R		S	
4D	N OR M	M		N		M	
8D	G OR H	H	102,206	H		G	
10D	A OR F	E	102	E, F			
	A OR B	B		A		B	
	ZA	NONE	102	ZA			
	ZB OR ZC	ZB	102	ZB, ZC			

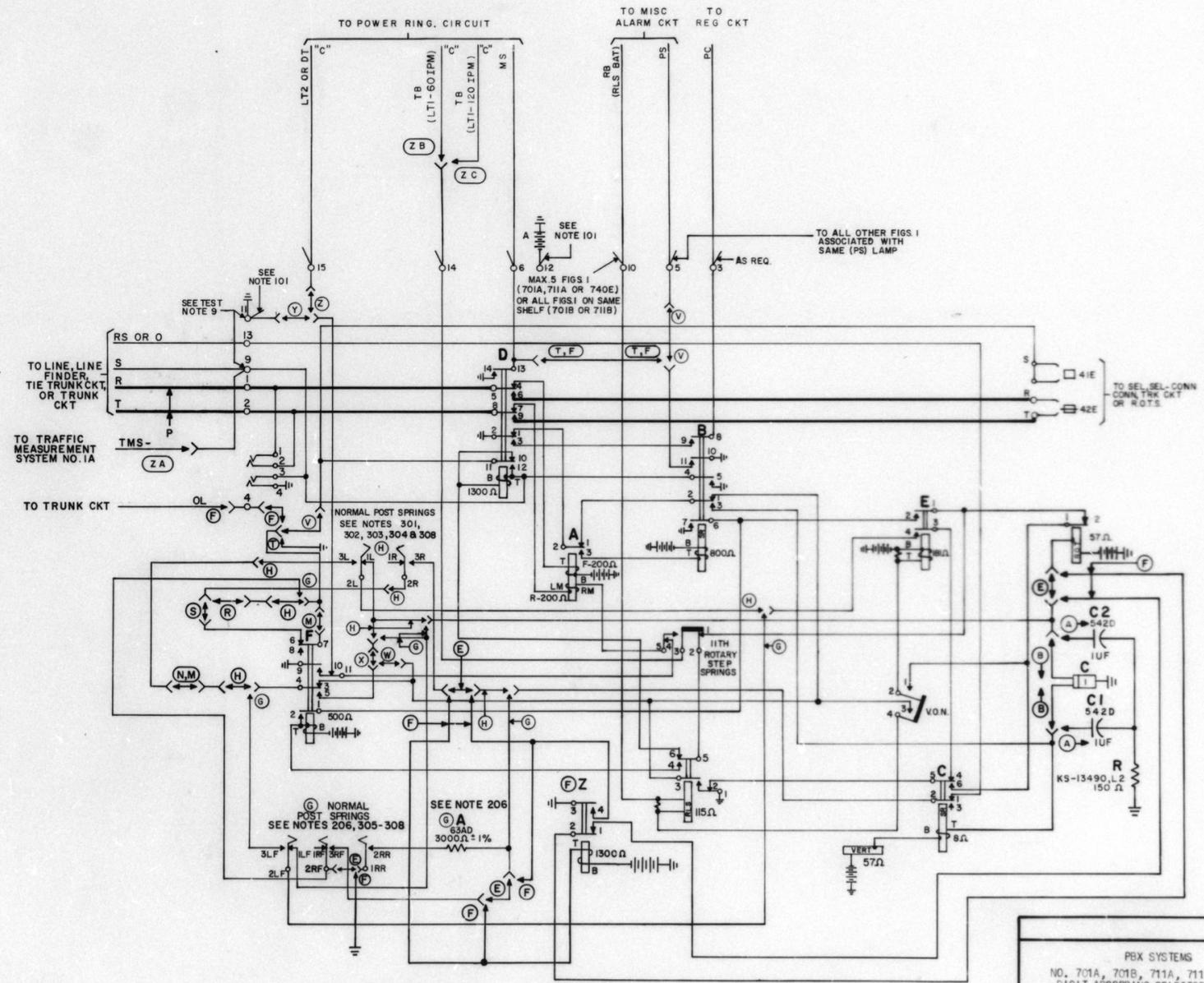
105. THE NORMAL APPLICATION OF TRUNK CIRCUIT SD-5E028-01 CONNECTED TO THIS SWITCH DOES NOT REQUIRE DIAL TONE, THEREFORE OPTION Y SHOULD BE SPECIFIED.

OPTIONS USED	
FIGS.	APP. OR WIRING
1	Z ZA
	X ZC
	W
	V
	T
	S
	R
	N
	M
	H
	G
	F
	E
	B
	A

44-52V.

WORKING LIMITS PULSING FROM SUB.
 MAX. EXT CKT LOOP 7500 * 8500** 10000***
 MIN. INS RES 15,0000
 * WHEN USING 10000 LOOP-LEAK "B" IN PULSING TEST SET
 ** WHEN USING 12000 LOOP-LEAK "A" IN PULSING TEST SET
 *** WHEN USING 14000 LOOP-LEAK "A" IN PULSING TEST SET

FIG. 1 SELECTOR



INFORMATION NOTES:
 301. THE "L" NORMAL POST SPRINGS SHALL OPERATE ON LEVELS ON WHICH A DIGIT IS TO BE ABSORBED.
 302. THE "R" NORMAL POST SPRINGS SHALL OPERATE ON LEVELS ON WHICH RESTRICTED SERVICE IS REQUIRED.
 303. ON AN INCOMING SELECTOR, THE RIGHT AND LEFT NORMAL POST SPRINGS SHALL NOT BE OPERATED ON THE SAME LEVEL.
 304. ON AN INCOMING SELECTOR THE "R" NORMAL POST SPRINGS SHALL OPERATE ON THE ZERO LEVEL ONLY.
 305. WITH "G" OPTION, THE RIGHT FRONT NORMAL POST SPRINGS SHALL BE ADJUSTED TO CLOSE ON ANY LEVELS ARRANGED TO ROUTE CALLS TO THE ATTENDANT.
 306. WITH "G" OPTION, THE LEFT FRONT NORMAL POST SPRINGS SHALL BE ADJUSTED TO CLOSE ON LEVELS ON WHICH A DIGIT IS TO BE ABSORBED.
 307. WITH "G" OPTION, THE RIGHT REAR NORMAL POST SPRINGS SHALL BE ADJUSTED TO CLOSE ON ANY LEVELS REQUIRING THE REMOVAL OF TRANSMISSION PAD.
 308. WHEN USING THIS CIRCUIT AS AN INCOMING SELECTOR FOR SD-5E028-01, THE NORMAL POST SPRINGS SHALL BE ADJUSTED AS FOLLOWS:
 A. THE RIGHT (OPTION H) OR RIGHT FRONT (OPTION G) NORMAL POST SPRINGS SHALL BE ADJUSTED TO OPERATE ON THE LEVEL ARRANGED TO ROUTE CALLS TO THE ATTENDANT.
 B. THE LEFT (OPTION H) OR LEFT FRONT (OPTION G) NORMAL POST SPRINGS SHALL BE ADJUSTED TO OPERATE ON LEVELS ON WHICH DIGIT ABSORPTION IS REQUIRED.
 C. THE RIGHT REAR NORMAL POST SPRINGS (OPTION G) SHALL BE ADJUSTED TO OPERATE ON ANY LEVELS REQUIRING THE REMOVAL OF TRANSMISSION PAD.

DWG ISSUE	EE OR CD ISSUE	DATE ISSUED	DRAWN	APPD.
1	1	3-14-55	P.V.	REAF
2B	APP 1B	5-24-55	S.F.L.	R.A.N.
3D	APP 2D	8-26-55	REAF	R.A.N.
4D	2D	5-15-56	A.W.	W.V.E.
5D	APP 1D	11-6-57	V.C.B.	W.V.E.
6D	APP 2D	1-3-58	W.C.B.	W.V.E.
7D	APP 3D	12-23-58	W.C.B.	W.V.E.
8D	3D	2-19-63	REJ	W.V.E.
9D	APP 1D	8-29-66	M.S.	W.V.E.
10D	APP 2D	5-14-68	EWE	JLF
11D	4D	11-28-72	G.D.T.	R.C.L.
12D	APP 1D	12-13-76	H.W.D.	R.C.L.

DRAWING REFURBISHED WITHOUT CHANGE 2-13-64
 WORN DRAWING REPRODUCED WITHOUT CHANGE BCM 4-20-67

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

J58831G
 J58831F
 J58831E
 J58823F-()
 J58801D-()
 ED-65900-()
 ED-65900-01
 EQUIPMENT INFO

ISSUE 12D

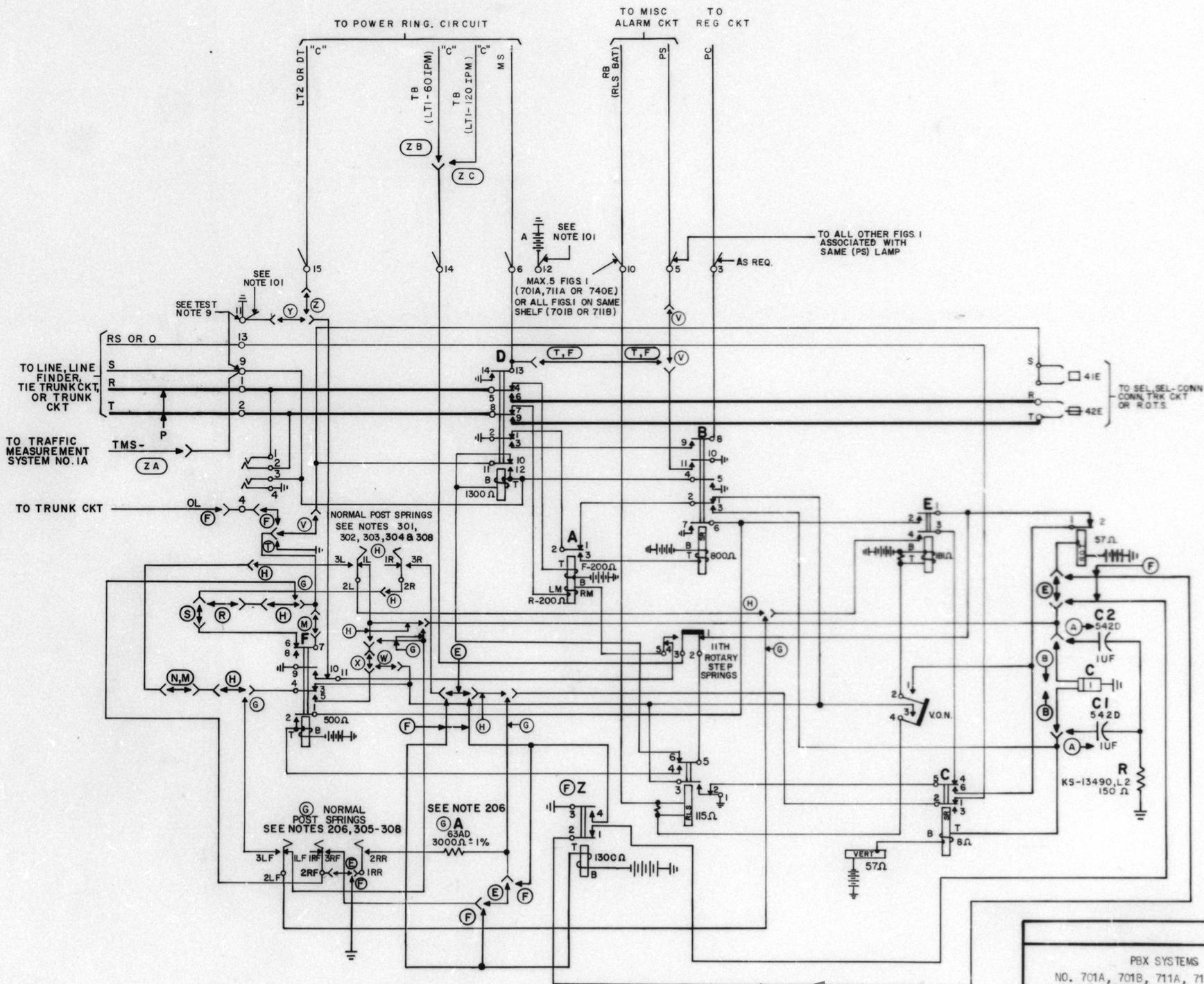
PBX SYSTEMS 3J07
 NO. 701A, 701B, 711A, 711B OR 740E
 DIGIT ABSORBING SELECTOR CIRCUIT
 ABSORBS DIGITS ONCE ONLY OR REPEATEDLY AND RESTRICTS SERVICE ON SPECIFIED LEVELS ARRANGED FOR OPERATION WITH DIAL REPEATING TIE TRUNKS

MFR DISC

SD-65900-011
 3 SHEETS

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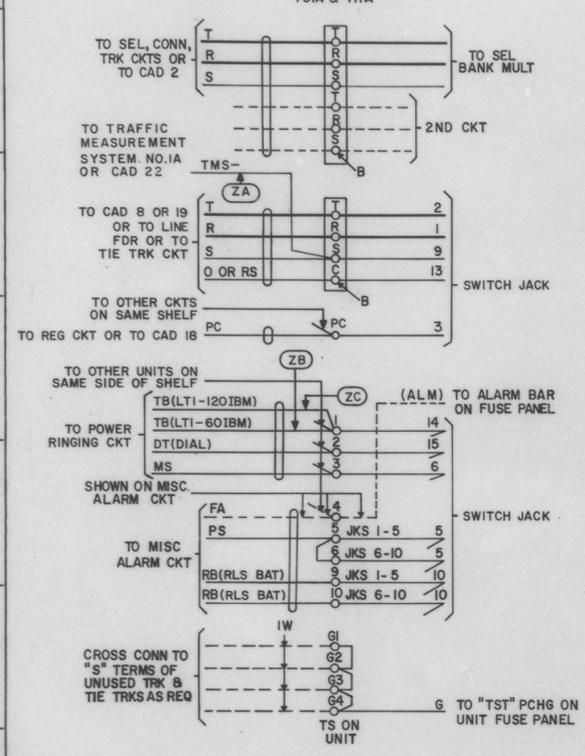
FIG. 1
SELECTOR



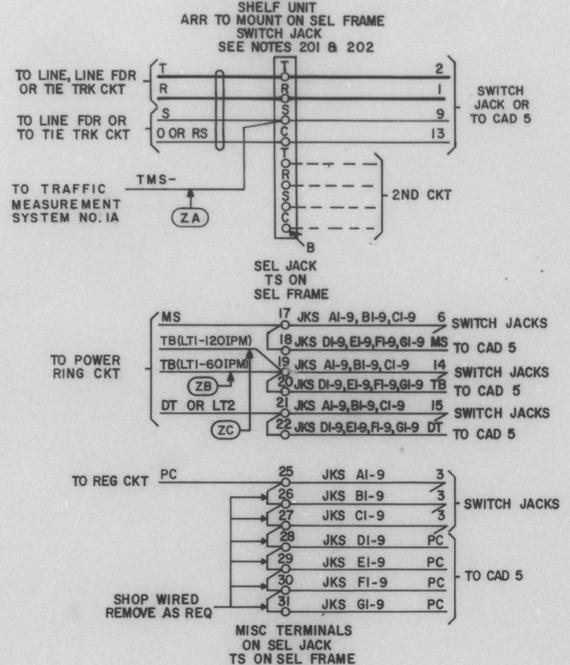
65900

PBX SYSTEMS 3J07
NO. 701A, 701B, 711A, 711B OR 740E
DIGIT ABSORBING SELECTOR CIRCUIT
ABSORBS DIGITS ONCE ONLY OR REPEATEDLY
AND RESTRICTS SERVICE ON SPECIFIED LEVELS
ARRANGED FOR OPERATION WITH
DIAL REPEATING TIE TRUNKS

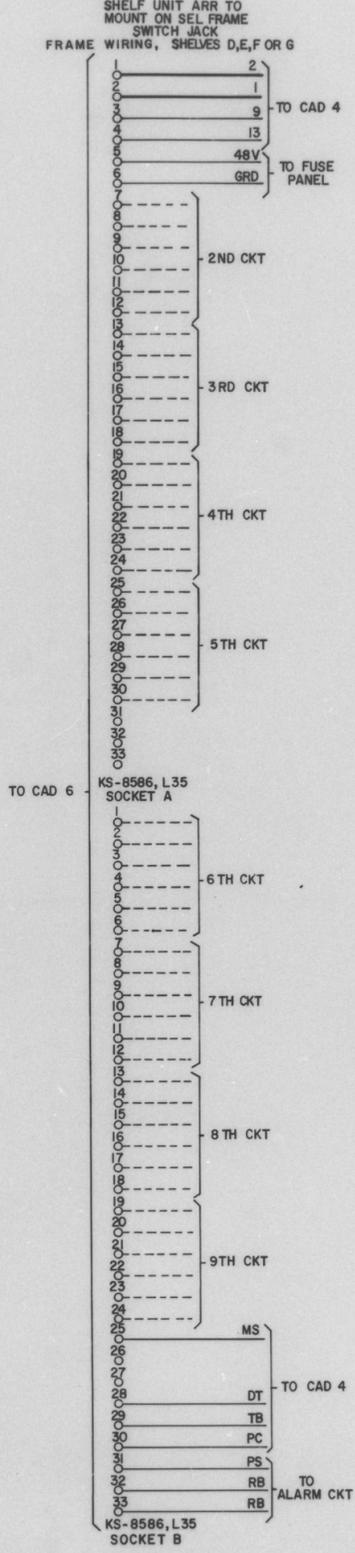
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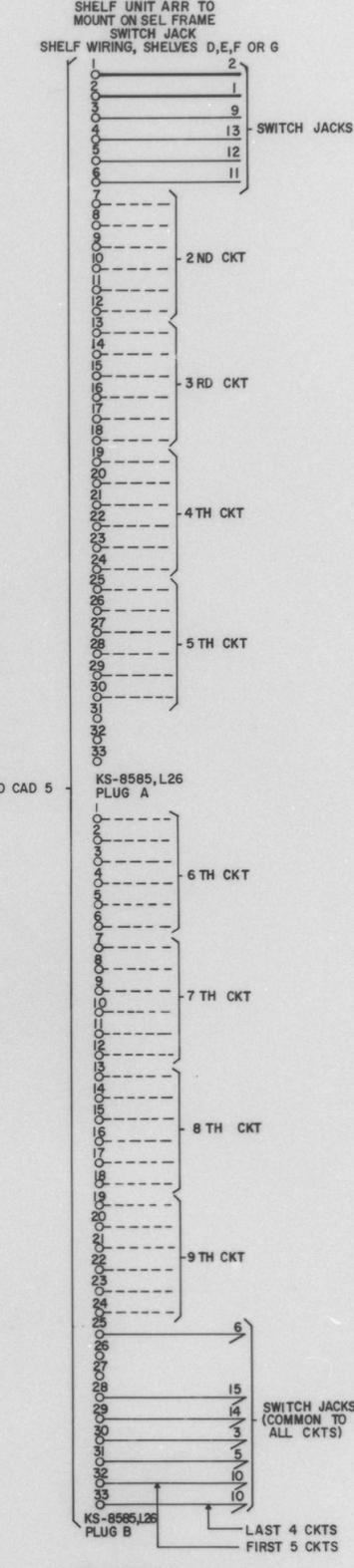
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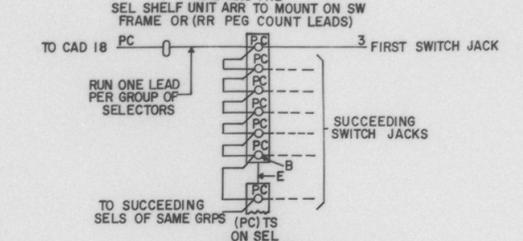
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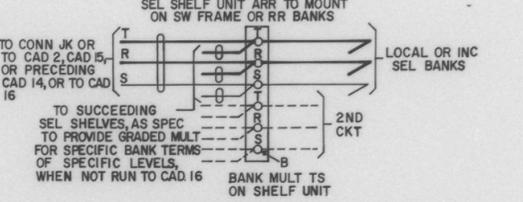
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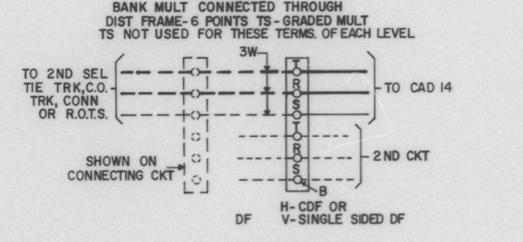
CAD 13



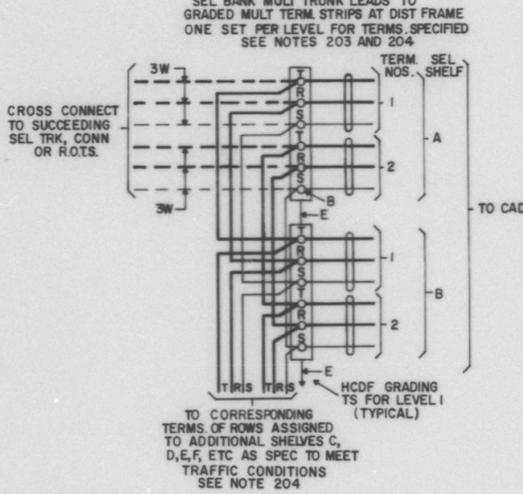
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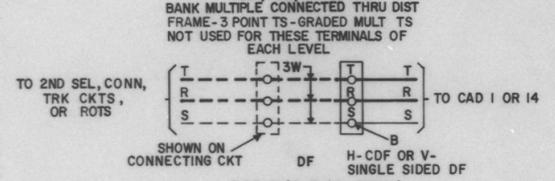
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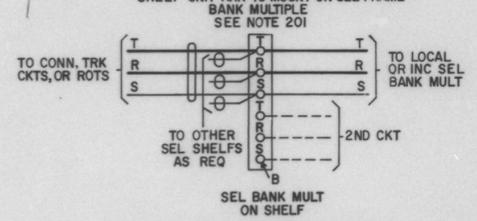
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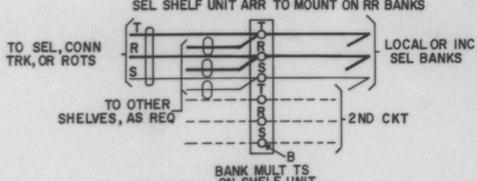
CAD 2 (A & M ONLY FOR 701A & 711A)



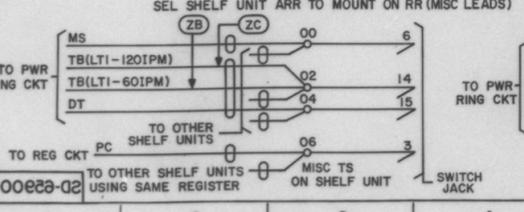
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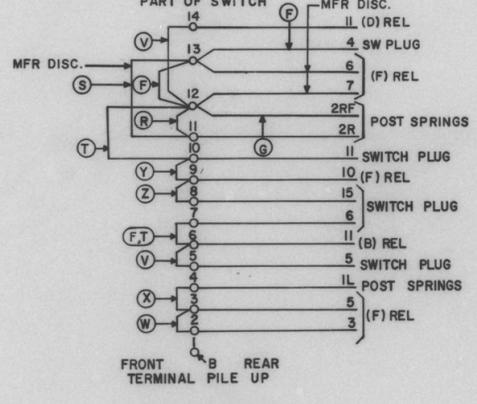
CAD 9 (A & M ONLY)



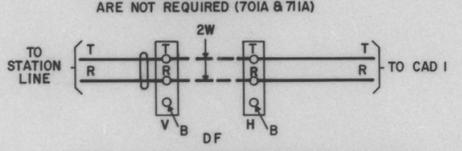
CAD 11 (A & M ONLY)



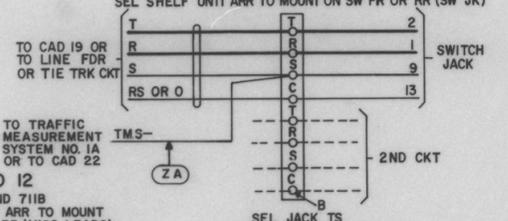
CAD 7



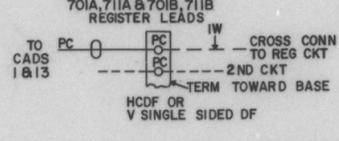
CAD 8 (MFR DISC.)



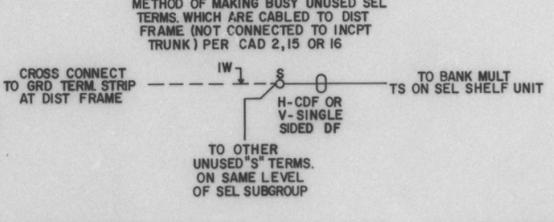
CAD 10 (A & M ONLY FOR 740E)



CAD 18 (A & M ONLY FOR 701A & 711A)



CAD 17



EQUIPMENT NOTES:

- 201. ALL CONNECTIONS ARE TO BE MADE TO INNER NOTCH UNLESS OTHERWISE SPECIFIED.
202. ALL 740E PBX SHELF UNITS ARE WIRED UNIVERSAL FOR USE WITH REGULAR SELECTOR OR INCOMING SELECTORS.
203. THE SEL BANK MULT TRUNK GRADING TERM STRIPS PER CAD 15 PROVIDE A CONVENIENT MEANS FOR ASSIGNING CIRCUITS TO SELECTOR TRUNKS ON A GRADED MULTIPLE BASIS.
204. THE BASIC PATTERN OF THE SELECTOR BANK MULTIPLE TRUNK GRADING TERMINAL STRIPS IS SHOWN ON THE DISTRIBUTING FRAME TYPICAL EQUIPMENT DRAWING.
205. WHEN INTERCEPT SERVICE IS NOT SPECIFIED THE FIRST TERMINAL OF EACH LEVEL SHALL ALSO BE MADE BUSY.
206. 197FN SWITCHES EQUIPPED WITH "H" OPTION MAY BE MODIFIED FOR "S" OPTION BY REPLACING NORMAL POST SPRING ASSEMBLY WITH NORMAL POST SPRING ASSEMBLY WITH THE FOLLOWING PARTS: NORMAL POST SPRING ASSEMBLY P-15A430, NORMAL POST CAM ASSEMBLY P-11A039, 63AD RESISTOR. THESE PARTS SHALL BE FURNISHED AND INSTALLED LOCALLY.

DIGIT ABSORBING SELECTOR CIRCUIT

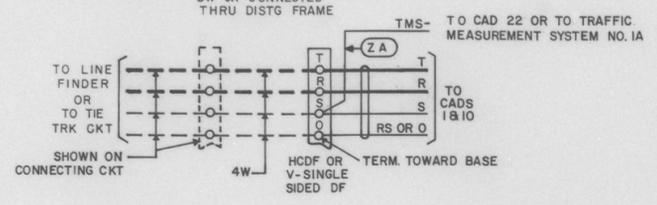
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E.M.E. H.P.P.
ISSUE 12D

DRAWING ISSUE
6D
7D
8D
9D
WORN DRAWING REPRODUCED WITHOUT CHANGE
BCM
4-12-67
EVE
100
JPS
RPP

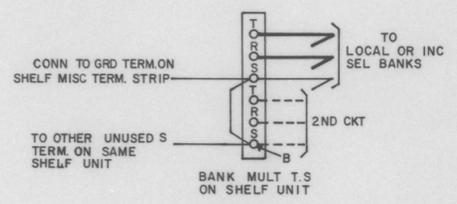
CAD 19 (A&M ONLY FOR 701A & 711A)

701A, 711A & 701B, 711B
SW JK CONNECTED
THRU DISTG FRAME



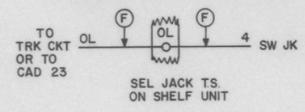
CAD 20

701B & 711B
METHOD OF MAKING BUSY UNUSED SEL TERM. NOT CABLED TO THE DISTG FRAME, THE FIRST TERM. OF EACH UNUSED LEVEL CONNECTED TO AN INTERCEPT TRK
SEL SHELF MOUNTED ON SW FRAME OR RR
SEE NOTE 205



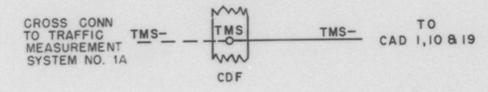
CAD 21

701B & 711B
SEL SHELF UNIT ARRANGED TO MOUNT ON SWITCH FRAME OR RELAY RACK
SEL JACK TS. ON SHELF UNIT



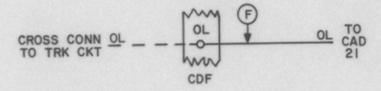
CAD 22 (A&M ONLY FOR 701A & 711A)

701A, 701B, 711A, 711B
LEADS TO TRAFFIC MEASUREMENT SYSTEM NO. 1A



CAD 23

701B & 711B



20-62200-013

DIGIT ABSORBING SELECTOR CIRCUIT SD-65900-013
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