SHEET INDEX

APPARATUS INDEX

DESIG	LOCATION FS	APP FIG.	EQPT
RELAYS			
A(0,1)	2D6	1	
B(0,1)	2D7	1	
C(0,1)	2D8	1	
CAPACITORS			
C1(0,1)	2A3	1	
C2(0,1)	2B3	1	
DIODES			
CR1(0,1)	2B4	1	
CR2(0,1)	2B4	1	
INDUCTORS			
A(0,1)	2B5	1	
B(0,1)	2D3	1	
LAMPS			
A(0,1)	2H2	1	
RESISTORS			
R1(0,1)	2B4	1	
R2(0,1)	2B3	1	
R3(0,1)	2D2	1	
R4(0,1)	2D2	1	
VARISTORS			
RV1(0,1)	2H2	1	
RV2(0,1)	2H3	1	

LEAD INDEX

DESIG	LOCATION FS	CAD.
SIGNAL I STRIBUTOR CKT		
SD1	2F6	SD4
SD2	2F6	SD4
SD4	2F6	SD3
SD5	2F6	SD0
SD6	2F6	SD0

TOLL INCOMING TRUNK CKT OR IMPEDANCE AND COMPENSATOR AND FIXED PAD CKT OR LINE AND BALANCE IMPEDANCE COMPENSATOR AND EQUALIZER APPLICATION SCHEMATIC		
R	2B9	SE7, SH0
T	2B0	SE7, SH0

TRUNK CIRCUIT		
R	2B0	SH2,5
T	2B0	SH2,5

TRUNK LINE CKT		
R	2A0	SE0,4
R1	2C9	SC0,4
T	2A0	SE0,4
T1	2C9	SC0,4

UNIVERSAL TRUNK FRAME SCANNER CKT		
L0,L4	2E3	SD4,0
L1,L5	2F3	SD4,0
L2,L6	2F3	SD4,0
L3,L7	2E3	SD4,0
[illegible] B4	2E4	SD4,0
[illegible]	2E4	SD4,0

CIRCUIT NOTES:

101.

DESIG	FUSE AMP	POTENTIAL	ONE PER
	0.75	-48	2 CIRCUITS
		GRD	2 CIRCUITS
BATTERY SYMBOL -48			VOLTAGE RANGE 42.75-52.5

102.

FEATURE OR OPTION		PROVIDE APP FIG.	APP OR WRG	QUANTITY
TRUNK CIRCUIT		1		1 PER 2 CKTS
IN IDLE STATE TOLL TRUNK PRESENTS BAT. ON	TIP		Z	
	RING		Y	
IN IDLE STATE LOCAL OFFICE TRUNK REQUIRES BATTERY ON.	TIP		X	
	RING		W	

103.

NETWORK VALUES		
NETWORK NO.	RESISTANCE IN OHMS	CAPACITANCE IN UF

104.

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	

SUPPORTING INFORMATION

CATEGORY	NO.
EQUIPMENT DESIGN REQT	J18001
EQUIPMENT DRAWING	J18001AM

OPTION INDEX

APP OR WRG	LOCATION
Z	2A8,2B8
Y	2A8,2C8
X	2B0,2B1
W	2A0,2C0

EQUIPMENT NOTES:

201. THERE SHALL BE 2 CIRCUITS PER PLUG IN UNIT.

202. ON A BAY OF PLUG-IN UNITS, THERE SHALL BE FOUR SEPARATE LOCAL CABLES AS FOLLOWS:
A CABLE - FOR ALL TIP AND RING LEADS
B CABLE - FOR ALL SCANNER LEADS
C CABLE - FOR ALL SIGNAL DISTR LEADS
D CABLE - FOR ALL BATTERY AND GRD LEADS
THE "A" CABLE SHALL BE LOCATED ON THE OPPOSITE SIDE OF THE BAY FROM CABLES B, C, AND D.

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. CIRCUIT STATES:

		A		B	
		0 IDLE	1 NU	3 NU	2 NU
C		4 STOP; OPR ATTACHED; OPR CLD NO.; RLS FWD; NB	5 CUT THROUGH	7 COIN CONTROL OR RINGBACK	6 HOLD

TYPICAL CALL SEQUENCES:
NON COIN;
0464540
COIN WITHOUT OVERTIME;
04645640
COIN WITH OVERTIME;
04645754640

COIN ANI or operator identified 0+ or 1+ call (no overtime) inband signalling
04645404640

WORKING LIMITS

	TO LOCAL OFF	TO TOLL OFF
MAX EXT CKT LP RES (SUPR)	4000	9200
MIN INS RES	30,000	30,000
BAT LIMITS	42.75 - 52.25	-

NOTE:
AS OF THE DATE OF ISSUE OF THIS DOCUMENT, ALL OTHER DOCUMENTS REFERRED TO HEREIN MAY NOT BE AVAILABLE FOR DISTRIBUTION; THEY WILL HOWEVER, BE AVAILABLE BY ABOUT APRIL 1, 1966.

DWG ISSUE	CKT OR CD ISSUE	DATE ISSUED		
1	1	AP30-66	BRM ES	WF RJW CM

1

SD-18003-01

TRAFFIC SERVICE SYSTEMS
TRAFFIC SERVICE POSITION SYSTEM NO. 1
INCOMING TRUNK CIRCUIT
LOOP SIGNALING - MF PULSING
REVERSE BATTERY SUPERVISION
(2)
(INC TRK 2W LP-OP)

AT&TCO STANDARD

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5 SHEETS

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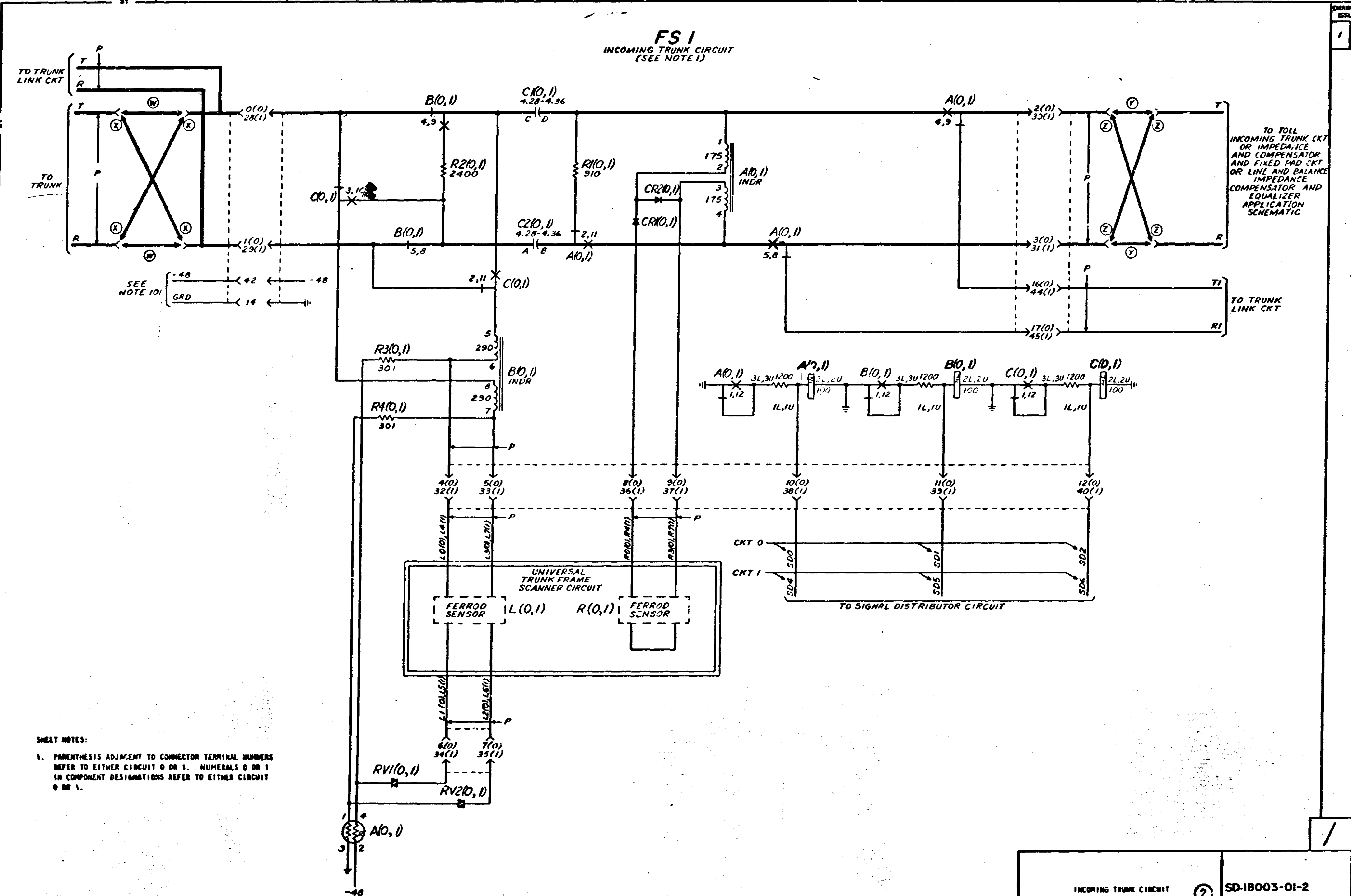
FS 1
INCOMING TRUNK CIRCUIT
(SEE NOTE 1)
TO TRUNK LINK CKT
TO TRUNK
SEE NOTE 101
-48
GRD
TO TOLL INCOMING TRUNK CKT OR IMPEDANCE AND COMPENSATOR AND FIXED PAD CKT OR LINE AND BALANCE IMPEDANCE COMPENSATOR AND EQUALIZER APPLICATION SCHEMATIC
TO TRUNK LINK CKT
B(0,1)
C1(0,1)
4.28-4.36
C2(0,1)
A(0,1)
R2(0,1)
2400
R1(0,1)
910
Q(0,1)
CR2(0,1)
CR1(0,1)
A(0,1) INDR
B(0,1) INDR
R3(0,1)
301
R4(0,1)
301
UNIVERSAL TRUNK FRAME SCANNER CIRCUIT
FERROD SENSOR
L(0,1)
R(0,1)
CKT 0
CKT 1
SD0
SD1
SD2
SD4
SD5
SD6
TO SIGNAL DISTRIBUTOR CIRCUIT
RV1(0,1)
RV2(0,1)
A(0,1)
-48

SHEET NOTES:

1. PARENTHESIS ADJACENT TO CONNECTOR TERMINAL NUMBERS REFER TO EITHER CIRCUIT 0 OR 1. NUMERALS 0 OR 1 IN COMPONENT DESIGNATIONS REFER TO EITHER CIRCUIT 0 OR 1.

INCOMING TRUNK CIRCUIT

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APP FIG. 1

RELAY

DESIG	A(0)		A(1)		B(0)		B(1)		C(0)		C(1)	
CODE	AM1				AM1				AM1			
OPTION												
	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC
12			EBM	2D5			EBM	2D6			EBM	2D7
11			EBM	2C4			EBM				EBM	2C3
10			EBM				EBM				EBM	2B2
9			EMB	2A7			EMB	2A3			EMB	2B2
8			EMB	2B5			EMB	2B2			EMB	2C3
7												
6												
5	EMB	2B5			EMB	2B2			EMB	2C3		
4	EMB	2A7			EMB	2A3			EMB	2B2		
3	EBM				EBM				EBM	2B2		
2	EBM	2C4			EBM				EBM	2C3		
1	EBM	2D5			EBM	2D6			EBM	2D7		
COIL		2D6		2D6		2D7		2D7		2D8		2D8

CAPACITOR

	DESIG	LOC	CODE
[1]	C1(0)	2A3	574C
	C2(0)	2B3	
[1]	C1(1)	2A3	574C
	C2(1)	2B3	

DIODE

	DESIG	LOC	CODE
[2]	CR1(0,1)	2B4	446F
[2]	CR2(0,1)	2B4	446F

INDUCTOR

	DESIG	LOC	CODE
[1]	A(0)	2B5	1633B
	B(0)	2D3	
[1]	A(1)	2B5	1633B
	B(1)	2D3	

LAMP

	DESIG	LOC	CODE
[2]	A(0,1)	2H2	11B,RES

RESISTOR

	DESIG	LOC	CODE
[2]	R1(0,1)	2B4	KS-16645 L1,910
[2]	R2(0,1)	2B3	KS-13492 L1,2400
[2]	R3(0,1)	2D2	KS-14603 L3C,301
[2]	R4(0,1)	2D2	KS-14603 L3C,301

VARISTOR

	DESIG	LOC	CODE
[2]	RV1(0,1)	2H2	1000
[2]	RV2(0,1)	2H3	1000

INCOMING TRUNK CIRCUIT (2)

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SD-18003-01

CIRCUIT REQUIREMENTS

TRAFFIC SERVICE POSITION SYSTEM NO. 1, INCOMING TRUNK CIRCUIT (INC TRK 2W LP-DP)

DRAWING ISSUE: 1 ES ES 6M

APPARATUS DESIG	APPARATUS CODE	APPARATUS OPT.	APPARATUS FIG.		MECH REQT BSP FIG.	MECH REQT CONT PRES	MECH REQT ARM TRVL.	CIRCUIT PREPARATION BLOCK OR INSULATE	CIRCUIT PREPARATION TEST CLIP DATA CONN BAT.	CIRCUIT PREPARATION TEST CLIP DATA CONN GRD	TEST SET PREP	SEE TEST NOTE	DIRECT CURRENT FLOW REQT TEST WDG	DIRECT CURRENT FLOW REQT TEST FOR	DIRECT CURRENT FLOW REQT AFTER SOAK MA	DIRECT CURRENT FLOW REQT TEST MA	DIRECT CURRENT FLOW REQT READJ MA	REMARKS
RELAYS																		
A(0)	1/2 AM1		1		216							1						MOUNTED WITH A(1)
A(1)	1/2 AM1		1		216							1						MOUNTED WITH A(0)
B(0)	1/2 AM1		1		216							1						MOUNTED WITH B(1)
B(1)	1/2 AM1		1		216							1						MOUNTED WITH B(0)
C(0)	1/2 AM1		1		222							1						MOUNTED WITH C(1)
C(1)	1/2 AM1		1		222							1						MOUNTED WITH C(0)

TEST NOTES:

1. TESTING AND ADJUSTMENT
   . BSP SECTION 040-505-501.

PAGE

INCOMING TRUNK CIRCUIT | SD-18003-01-4

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CIRCUIT REQUIREMENTS

DRAWING ISSUE: 1 ES ES 6M

APPARATUS DESIG	APPARATUS CODE	APPARATUS OPT.	APPARATUS FIG.		MECH REQT BSP FIG.	MECH REQT CONT PRES	MECH REQT ARM TRVL.	CIRCUIT PREPARATION BLOCK OR INSULATE	CIRCUIT PREPARATION TEST CLIP DATA CONN BAT.	CIRCUIT PREPARATION TEST CLIP DATA CONN GRD	TEST SET PREP	SEE TEST NOTE	DIRECT CURRENT FLOW REQT TEST WDG	DIRECT CURRENT FLOW REQT TEST FOR	DIRECT CURRENT FLOW REQT AFTER SOAK MA	DIRECT CURRENT FLOW REQT TEST MA	DIRECT CURRENT FLOW REQT READJ MA	REMARKS

PAGE /

INCOMING TRUNK CIRCUIT (2) | SD-18003-01-4

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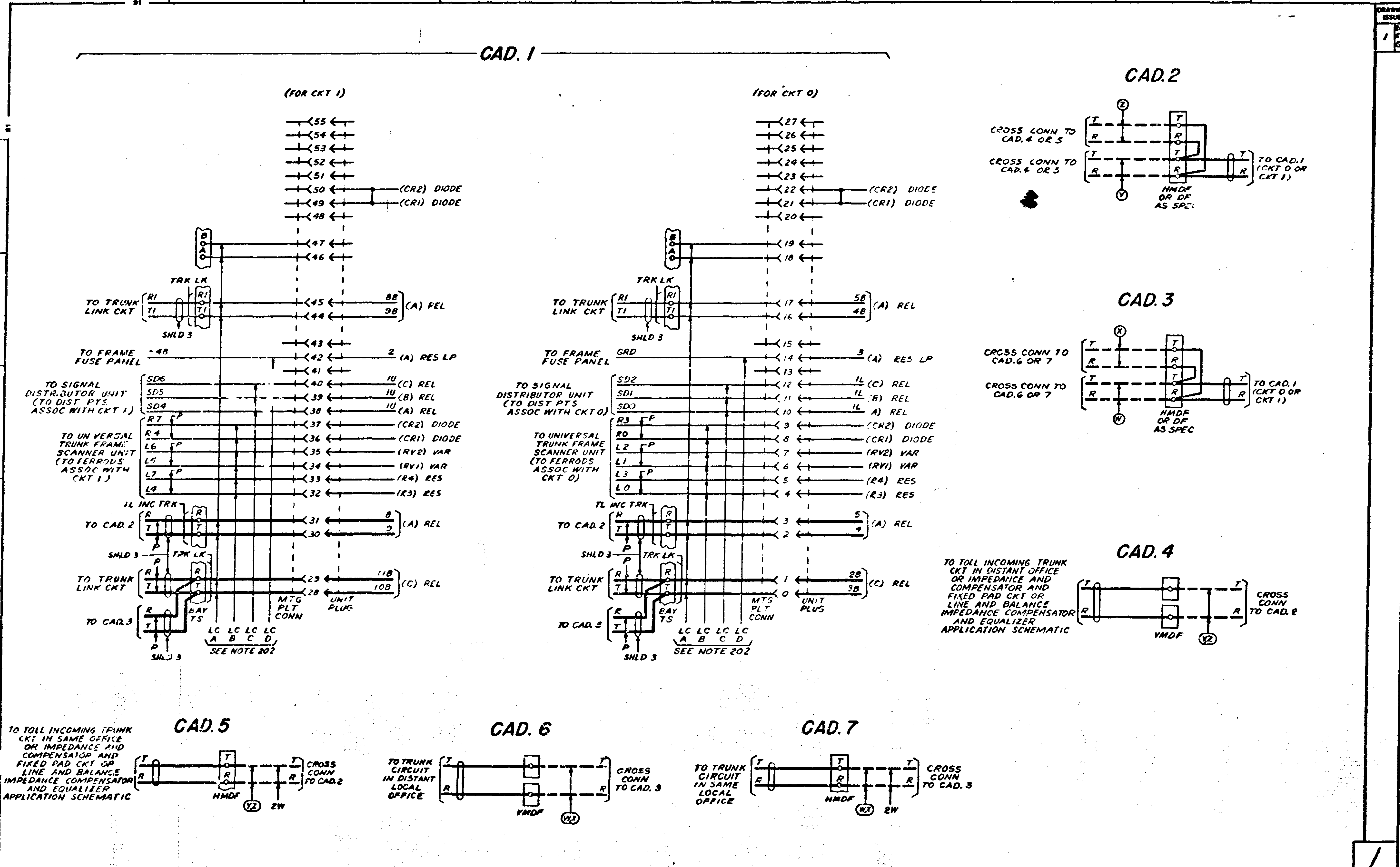

CAD. 1
(FOR CKT 1)
(FOR CKT 0)
(CR2) DIODE
(CR1) DIODE
TRK LK
TO TRUNK LINK CKT
SHLD 3
(A) REL
TO FRAME FUSE PANEL
-48
GRD
(A) RES LP
TO SIGNAL DISTRIBUTOR UNIT (TO DIST PTS ASSOC WITH CKT 1)
TO SIGNAL DISTRIBUTOR UNIT (TO DIST PTS ASSOC WITH CKT 0)
(C) REL
(B) REL
TO UNIVERSAL TRUNK FRAME SCANNER UNIT (TO FERRODS ASSOC WITH CKT 1)
TO UNIVERSAL TRUNK FRAME SCANNER UNIT (TO FERRODS ASSOC WITH CKT 0)
(RV2) VAR
(RV1) VAR
(R4) RES
(R3) RES
TL INC TRK
TO CAD. 2
TO CAD. 3
BAY TS
MTG PLT CONN
UNIT PLUG
LC A
LC B
LC C
LC D
SEE NOTE 202
CAD. 2
CROSS CONN TO CAD. 4 OR 5
HMDF OR DF AS SPEC
TO CAD. 1 (CKT 0 OR CKT 1)
CAD. 3
CROSS CONN TO CAD. 6 OR 7
CAD. 4
TO TOLL INCOMING TRUNK CKT IN DISTANT OFFICE OR IMPEDANCE AND COMPENSATOR AND FIXED PAD CKT OR LINE AND BALANCE IMPEDANCE COMPENSATOR AND EQUALIZER APPLICATION SCHEMATIC
VMDF
CROSS CONN TO CAD. 2
CAD. 5
TO TOLL INCOMING TRUNK CKT IN SAME OFFICE OR IMPEDANCE AND COMPENSATOR AND FIXED PAD CKT OR LINE AND BALANCE IMPEDANCE COMPENSATOR AND EQUALIZER APPLICATION SCHEMATIC
HMDF
2W
CAD. 6
TO TRUNK CIRCUIT IN DISTANT LOCAL OFFICE
CROSS CONN TO CAD. 3
CAD. 7
TO TRUNK CIRCUIT IN SAME LOCAL OFFICE

INCOMING TRUNK CIRCUIT

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