

SD-90250-01

22	22	5-13-42	W.L.F. I.	W.E.O.
23	23	9-17-48	A.J.B. I.	
24	24	4-1-49	A.J.B. I.	
25	25	12-12-51	D.M.N. F.G.S.	B.P. C.G.M.
26	26	2-9-54	P.R.O. H.M.	B.P. E.W.O.
27	27	9-25-55	P.S.K. J.J.T.S.	P.P. F.T.M.
28	28	6-23-58	G.V.B. J.J.T.S.	P.J.L. E.W.O.
29	29	4-26-60	V.C.S. H.M.	G.R.S. E.W.O.
30	30	10-3-60	J.C. A.N.S.	G.R.S. E.W.O.

## COMMON SYSTEMS MASTER KEY SHEET

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STEVE CICHORSKY, C

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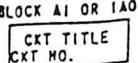
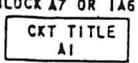
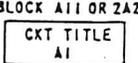
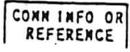
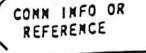
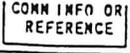
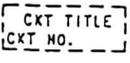
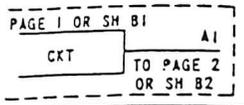
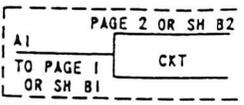
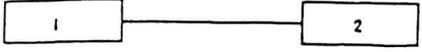
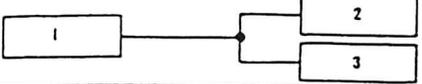
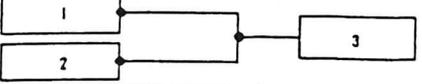
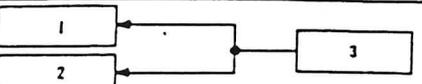
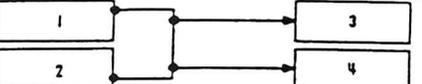
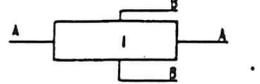
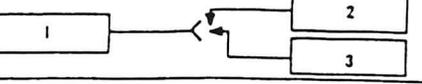
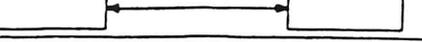
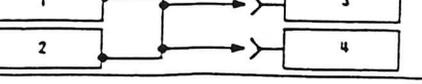
AT&TCO  
STANDARD

SD-90250-01

Property Of  
Steve Cichorsky  
P.O. Box 2031

Paso Robles, Ca 93447

REPLACING ES-262930 AND SD-62528-01

ITEM NO.	SYMBOL	EXPLANATION
1		CIRCUIT OR PART OF CIRCUIT
	  	INDICATES CROSS REFERENCE
3	     	CONNECTING INFORMATION OR REFERENCE
4		REPETITION OF CIRCUIT OR PART OF CIRCUIT. INDICATES TRAFFIC OR CONNECTING CIRCUIT INFORMATION SHOWN ELSEWHERE ON THE SAME KEY SHEET OR ON ANOTHER KEY SHEET.
5	 	INDICATES CIRCUIT INFORMATION REFERRED TO ANOTHER PAGE OR SHEET.
6		INDICATES CIRCUIT CONNECTION (1 AND 2).
7		INDICATES A CONNECTION FROM EACH CIRCUIT TO EACH OTHER CIRCUIT (1 TO 2, 1 TO 3, 2 TO 3).
8		INDICATES A CONNECTION IN COMMON TO THE CIRCUIT AT WHICH THE CONNECTING LINE DOES NOT TERMINATE IN A DOT. (1 TO 3 AND 2 TO 3, NO CONNECTION FROM 1 TO 2).
9	 PLUG, BRUSH END OR BINDING POST AND TERMINAL CLIP      JACK, BANK TERMINAL OR OTHER CIRCUIT	INDICATES A NON-PERMANENT CONNECTION, SUCH AS PLUG AND JACK, BANK TERMINAL AND BRUSH, OR BINDING POST CONNECTION.
10		INDICATES A NON-PERMANENT CONNECTION TO THE CIRCUITS AT WHICH THE CONNECTING LINE TERMINATES IN AN ARROW (3 TO 1 AND 3 TO 2, NO CONNECTION FROM 1 TO 2).
11		INDICATES NON-PERMANENT CONNECTIONS (1 TO 3, 1 TO 4, 2 TO 3 AND 2 TO 4. NO CONNECTION FROM 1 TO 2, NO CONNECTION FROM 3 TO 4).
12		LINE A, FROM THE VERTICAL SIDE OF THE BLOCK, INDICATES A MAJOR CIRCUIT CONNECTION. LINE B, FROM THE HORIZONTAL SIDE OF THE BLOCK, INDICATES A MINOR CIRCUIT CONNECTION
13		INDICATES OPTIONAL CONNECTING CIRCUITS (1 TO 2 OR 1 TO 3).
14		INDICATES ONE-WAY TRAFFIC.
15		INDICATES PATCHING CORD WITH BOTH PLUGS INSERTED INTO JACKS.
16		INDICATES 2-WAY TRAFFIC
17		INDICATES CONNECTIONS FROM 1 TO 3, 1 TO 4, 2 TO 3 AND 2 TO 4. NO CONNECTION FROM 1 TO 2, NO CONNECTION FROM 3 TO 4.
18		ON KEYSHEETS THAT STILL HAVE "C" IN BLOCK, "C" INDICATES THAT CURRENT DRAIN FOR THE CIRCUIT IS NOT TO BE CONSIDERED WHEN CALCULATING DRAINS FOR LIST 1 OR LIST 2.
19		CIRCLE INDICATES THE CIRCUITS INTERCONNECT THRU TEST BOARD PRIMARY, PATCHING OR TEST JACKS.
20		INDICATES CONNECTING CIRCUIT(S) BY REFERENCE NUMBER AT CIRCUIT BLOCK

KEY SHEET CONVENTIONS

PANEL SYSTEMS

STEP BY STEP SYSTEMS

A	PANEL SYSTEMS 3 DIGIT SENDER SEL. TYPE (A & M ONLY) ES-262532	PANEL SYSTEMS BATTERY CUT-OFF RELAY OFFICE (A & M ONLY) SD-21300-01 SEE E1
B	PANEL SYSTEMS 2 & 2-3 DIGIT SENDER SEL. TYPE (A & M ONLY) ES-262647	PANEL SYSTEMS SDR. TDM. OFF. B. OFF. SEL. TDM. (A & M ONLY) SD-21301-01
C	PANEL SYSTEMS 3 DIGIT ROTARY LINK GRD. ON C.O. RELAY (A & M ONLY) ES-262829	SEE E2 PANEL SYSTEMS GROUND CUT-OFF RELAY OFFICE PANEL LINK TYPE (A & M ONLY) SD-21680-01
D	PANEL SYSTEMS 2 & 2-3 DIGIT ROTARY LINK GRD. ON C.O. RELAY (A & M ONLY) ES-262849	L.T.D. NO.12B REPAIR SERVICE DESK NO. 1C (A & M ONLY) SEE J10
E	PANEL SYSTEMS DSA SWBD. NO. 3CL SD-64800-01 OR NO.15D (A&M ONLY) SD-21300-01 SEE A2	SEE C2 PANEL SYSTEMS "A" SWBD. NO. 13D (A & M ONLY) SD-21680-01

S. BY S. SYSTEMS LINE SW. AND REPEATED DIAL TOLL TRAM CRTS. (A & M ONLY) SD-31388-01	S. BY S. SYSTEMS DSA SWBD. NO. 3C OR 3CL SD-64800-01 OR NO.15C (A&M ONLY) SD-31359-01 SEE A3	S. BY S. SYSTEMS NO. 1
S. BY S. SYSTEMS JACK ASSIGNMENTS LINE SW. OFFICE (A & M ONLY) ES-262970	S. BY S. SYSTEMS NO. 360A (A & M ONLY) SD-31250-01	S. BY S. SYSTEMS NO. 350A AND BRANCH OFFICE SD-31364-01
SXS SYSTEMS NO. 1 WITH AMA SD-32230-01	L.T.D. NO.12C REPAIR SERVICE DESK NO.1C (A & M ONLY) SEE J10	S. BY S. SYSTEMS NO. 355A SD-31780-01
S. BY S. SYSTEMS NO. 358A (A&M ONLY) SD-32149-01	S. BY S. SYSTEMS NO. 35E97 (A & M ONLY) SD-32325-01	S. BY S. SYSTEMS NO. 1 OR 350A AUTOMATIC TICKETING (A & M ONLY) SD-32050-01
S. BY S. SYSTEMS INTERTOLL DIALING OFFICE WITH CAMA SD-32320-01		

CROSSBAR SYSTEMS

F	PANEL SYSTEMS TROUBLE DESK AND SEMI-MECH. "A" SWBD. GRD. ON C.O. RELAY (A & M ONLY) ES-262859	CROSSBAR SYSTEMS NO. 1 SD-25000-01
G	PANEL SYSTEMS SUP. KEY SHEET CALL CNT. TYPE CORDLESS "B" SWBD. (A & M ONLY) ES-262968	CROSS BAR SYSTEMS NO. 1 DSA SWBD. NO. 3CL SD-64800-01 OR NO.15D (A&M ONLY) SD-25000-01
H	PANEL SYSTEMS JACK ASSIGNMENTS ROTARY LINK GRD. ON C.O. RELAY (A & M ONLY) ES-262848	CROSSBAR SYSTEMS TANDEM OFFICE SD-25435-01
I	PANEL SYSTEMS JACK ASSIGNMENTS PANEL LINK GRD. ON C.O. RELAY (A & M ONLY) ES-262954	CROSSBAR SYSTEMS NO. 5 SD-25760-01

STATION SYSTEMS

NORTH ELECTRIC MFG. CO.

J	KEY EQUIPMENT'S KEY TEL. SYSTEMS AND UNATTENDED STATION SD-69061-01	NORTH ELECTRIC "CX" TYPE COMMUNITY DIAL OFFICE SD-99000-01
K	SWITCHING SYSTEM NO. 300 SD-69369-01	

PANEL, STEP BY STEP STATION & CROSSBAR SYSTEMS

SWBD. NO.1

NO.1 SUBSCRIBER SWBD & TRK SWBD (A & M ONLY)  
SD-12777-01

SWBDS. NO. 1C & 1D

SWBD. NO. 1C & 1D KEY LISTENING & JACK LIST STFD. (A & M ONLY)  
ES-262888  
SEE 88

SWBDS. NO. 9C & 9D

SWBD. NO. 9C (A & M ONLY)  
SD-12590-01

SWBD. NO. 10

SWBD. NO. 10 (A & M ONLY)  
SD-12620-01

SWBD. NO. 11

MACHINE RINGING SWBD. NO. 11  
SD-12430-01

TRANSMISSION MEASURING

COMMON SYSTEMS TRANSMISSION MEASURING  
SD-95021-01  
SEE C12

EMERGENCY REPORTING SYSTEM

COMMON SYSTEMS EMERGENCY REPORTING SYSTEM PBX NO. 520A, B, C, D OR E AND CENTRAL OFF. CKTS. FOR USE WITH PBX NO. 520A, B, C OR D  
SD-98125-01  
SEE D29

ANN. SYSTEM NO. 8A

COMMON SYSTEMS ANN. SYSTEM NO. 8A  
SD-96515-01

GROUP ALERTING

COMMON SYSTEMS GROUP ALERTING SYSTEM  
SD-96520-01

ANN. SYSTEM NO. 6A

COMMON SYSTEMS ANN. SYSTEM NO. 6A  
SD-96480-01

ANN. SYSTEM NO. 9A

COMMON SYSTEMS ANN. SYSTEM NO. 9A  
SD-95885-01

ANN. SYSTEM NO. 2B

COMMON SYSTEMS ANN. SYSTEM NO. 2B (A & M ONLY)  
SEE NOTE 2

KEY CABINET NO. 20 OR 21

COMMON SYSTEMS KEY CABINET NO. 20 OR 21 FOR USE WITH OPERATING ROOM DESKS AND SWITCHMAN'S DESK  
SD-96170-01

LOC. TEST CABINET NO. 3

COMMON SYSTEMS LOC. TEST CABINET NO. 3  
SD-96272-01

DESKS

COMMON SYSTEMS ANNOUNCEMENT DESK NO. 1 TIME OF DAY SERVICE (A & M ONLY)  
SD-90426-01

SWBD. NO. 12

SWBD. NO. 12  
SD-15120-01

ANN. SYSTEM NO. 3A

COMMON SYSTEMS ANN. SYSTEM NO. 3A (A & M ONLY)  
SD-96280-01

ANN. SYSTEM NO. 4A

COMMON SYSTEMS ANN. SYSTEM NO. 4A  
SD-95790-01

LINE CONCENTRATOR-IDENTIFIER

LINE CONCENTRATOR-IDENTIFIER APPLIED TO TEL. SECRETARIAL SERVICE  
SD-95780-01

COMMON SYSTEMS INF. DESK NO. 3, 4, 6A OR 6B (A & M ONLY)  
SD-90201-01

OPR. TRAINING

OPR. TRAINING EQUIPMENT NO. 2B FOR CROSSBAR, PANEL OR STEP BY STEP "A" SWBD. & OPR. TRAINING EQUIPMENT NO. 3A FOR INFORMATION DESK NO. 1 OR 2 OR NO. 3, 4 OR 6 TYPE OR OPERATING ROOM DESK NO. 19  
SD-96082-01

EMERGENCY ANN. SYSTEM

COMMON SYSTEMS EMERGENCY ANN. SYSTEM  
SEE NOTE 3

MAGNETO SWBD.

MULT. MAGNETO SWBD. NO. 109A (A & M ONLY)  
ES-262906  
SEE G9

TANDEM SWBD.

TDM. SWBD. NO. 1 (A & M ONLY)  
ES-262897

OPERATING ROOM DESK NO. 14M (A & M ONLY)  
SEE G7

OPR. TRAINING DEPT. & OPR. TRAINING EQUIPMENT NO. 2, 2A & 2C  
SD-12538-01

COMMON SYSTEMS INF. DESK NO. 3B, 5D, 6F (A & M ONLY) OR 4B  
SD-96399-01

COMMON SYSTEMS INF. DESK NO. 3A, 4A, 6C OR 6E (A & M ONLY)  
SD-96402-01

CENT. CABLE LOCATION TEST DESK NO. 2 (A & M ONLY)  
SD-90123-01

MISC. DESKS FOR SWBD. NO. 1, 1D, 9C & 11  
ES-262843

COMMON SYSTEMS OPR. TRAINING EQUIPMENT NO. 4A  
SD-96418-01

COMMON SYSTEMS OPERATING ROOM DESK NO. 19  
SD-96172-01

COMMON SYSTEMS ANNOUNCEMENT DESK NO. 1B TIME OF DAY SERVICE (A & M ONLY)  
SD-96157-01

CABLE TEST DESK NO. 3  
SD-90421-01

COMMON SYSTEMS INF. DESK NO. 1 (A & M ONLY)  
SD-90265-01

COMMON SYSTEMS INF. DESK NO. 7 OR 7A  
SD-96397-01

SEE H12  
SERV. OBS. DESKS & SERV. OBS. SETS  
SEE NOTE 1  
SD-90623-01

LOC. TEST DESK NO. 14 REPAIR SERV. DESK NO. 2 & TEST SUPERVISOR'S PRIVATE DESK  
SD-90472-01

COMMON SYSTEMS INF. DESK NO. 2  
SD-90267-01

COMMON SYSTEMS REPAIR SERV. DESK NO. 1C AND LOCAL TEST DESKS NOS. 12A, 12B, & 12C (A & M ONLY)  
SD-90602-01  
SEE D2, C4

NOTES:

- SD-90625-01 COVERS SERVICE OBSERVING DESKS NOS. 4, 7 (A & M ONLY), 10, 11 B 12 AND SERVICE OBSERVING SET NO. 6.
- THE ANNOUNCEMENT SYSTEM NO. 2B CONSISTS OF THE FOLLOWING CKTS:  
SD-96208-01 - STATION CKT.  
SD-98212-01 - STATION LINE CKT.
- THE EMERGENCY ANNOUNCEMENT SYSTEM CONSISTS OF THE FOLLOWING CKTS:  
SD-95387-01 LINE CKT.  
SD-95388-01 CONTROL CKT.  
SD-95257-01 AMPLIFIER CKT.

OPERATING ROOM DESK NO. 23A, B OR C  
SD-95760-01

6

7

8

9

10

SWITCHBOARDS

TOLL SWBD. NO. 1 (A & M ONLY) SD-62525-01	TOLL SWBD. NO. 2 (A & M ONLY) SD-6357-01	SWBD. NO. 3 (A & M ONLY) SD-62440-01	SWBD. NO. 5 SEE D12, D15
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TOLL SWITCHING SYSTEMS

TOLL SW. SYSTEM NO. 4M (A & M ONLY) SD-68470-01 SEE A14, E15	TOLL SW. SYSTEM NO. 4A SD-68400-01 SEE A14, E15
--	--

TEST BOARDS

TOLL TEST BOARD NO. 5 SD-60690-01	TOLL TEST BOARD NO. 17B SD-64700-01	TOLL TEST BD. NO. 17C SEE D12, D15
TEST & CONTROL BOARD NO. 8 (A & M ONLY) SD-62666-01	TOLL TEST BOARD NO. 18B SD-55100-01	

TRANSMISSION MEASURING

SEE F 21, C6

TRANSMISSION MEASURING SD-95021-01
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DESKS

SERVICE OBSERVING J7	OPERATING ROOM DESKS FOR TOLL SYSTEMS SD-64885-01 SEE NOTE 1
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CABINETS

TOLL CABINET NO. 1A, 1B OR 2A SD-55573-01
--

CONCENTRATING EQUIPMENT

INTERTOLL TRUNK CONCENTRATING EQUIPMENT SD-56490-01
--

NOTES:  
1. SD-64885-01 COVERS TOLL TICKET FILING AND RATE QUOTING DESK NO. 42 AND TICKET DISTRIBUTING DESK NO. 31.

11 12 13 14 15

TELEPHONE REPEATER

TELEPHONE REPEATER  
4 WIRE  
SD-62407-01  
SEE B17

TELEPHONE REPEATER  
VI  
SD-59070-01

TELEPHONE REPEATER  
V3  
SD-59070-02

ECHO SUPPRESSOR

ECHO SUPPRESSOR  
SEE A18

CARRIER TELEPHONE

CARRIER TELEPHONE  
SD-63394-01

K 2  
CARRIER TELEPHONE  
SD-63394-03

BROADBAND  
CARRIER TELEPHONE  
SD-63394-05

BROADBAND  
CARRIER TELEPHONE  
CHANNEL CARRIER  
TERMINAL EXTS.  
SD-63394-06

PROGRAM TRANSMISSION

PROGRAM  
TRANSMISSION  
SD-62475-01

SIGNALING

SIGNALING  
LINE, COMPOSITE  
& SIMPLEX  
SD-62405-01

LINE AND BALANCING

LINE  
AND BALANCING  
SD-62404-01

16

17

18

19

20

TELETYPEWRITER  
SWBDS.  
SD-63477-02  
SEE A22

TELETYPEWRITER  
STATION CKTS  
SEE A21

TELETYPEWRITER  
LINE CONCENTRATING  
UNIT NO.101A &  
NO.102A  
SD-70345-01

TELETYPEWRITER  
SWITCHING UNIT  
NO.81B1  
SD-70448-01

TELETYPEWRITER  
SWITCHING UNIT  
NO.81C1  
SD-70654-01

TELEGRAPH  
TEST BOARDS  
SD-63125-01

TELETYPEWRITER  
LINE CONCENTRATING  
UNIT NO.101  
(A & M ONLY)  
SD-70259-01

TELETYPEWRITER  
SWBDS.  
69 TYPE  
SD-70471-01

TELETYPEWRITER  
SWITCHING UNIT  
NO.81D1  
SD-70654-02

CARRIER TELEGRAPH  
& D-C TELEGRAPH  
SD-63477-01

CARRIER TELEGRAPH  
40C2  
(A & M ONLY)  
40C1 OR 43A1  
SD-70700-01

TELEGRAPH  
SERVICE BOARD  
NO.1  
SD-70359-01

TELEPHOTOGRAPH  
SD-70134-01

TRANSMISSION  
MEASURING  
SD-95021-01  
SEE C12

21

22

23

24

25

TELEGRAPH SYSTEMS

POWER SYSTEMS

POWER SYSTEMS  
KEY SHEET  
SD-60700-01

P.B.X. SYSTEMS

P.B.X. NO.701B SD-65775-01	P.B.X. NO.711A (A & M ONLY) SD-66458-01	P.B.X. NO.711B SD-65780-01	P.B.X. NO.606A SD-66729-01
P.B.X. NO.740E SD-65676-01	P.B.X. NO.554B OR 554C SD-66423-01	P.B.X. NO.756A SD-65910-01	P.B.X. NO.520A,B,C,D OR C7
P.B.X. NO.556A SD-65678-01	P.B.X. NO.557A SD-65735-01	ORDER TURRET NO.3 (A & M ONLY) SD-66317-01	
P.B.X. NO.702A (A & M ONLY) SD-66382-01	P.B.X. NO.606A (A & M ONLY) SD-66383-01	P.B.X. NO.605A SD-66459-01	
P.B.X. NO.701A (A & M ONLY) SD-66457-01	EMERGENCY REPORTING SYSTEM STATION LINE & POSCKET WITH JACK ENDED LINES SEE NOTE 1	ORDER TURRET NO.2A SD-66512-01	
P.B.X. NO.551A OR 551B (A & M ONLY) SD-66270-01	P.B.X. NO.607A SD-65730-01 P.B.X. NO.607B SD-65740-01	ORDER TURRET NO.4 SEE NOTE 2	
P.B.X. NO.555 SD-66525-01	P.B.X. NO.755A SD-66490-01	P.B.X. NO.552A OR 552D SD-66591-01	

NOTES:

- SD-66689-01 COVERS THE STATION LINE & POSITION CIRCUITS FOR THE EMERGENCY REPORTING SYSTEM.
- SD-66510-01 COVERS THE ATTENDANT KEY AND TELEPHONE CIRCUIT FOR ORDER TURRET NO.4.  
SD- FOR SUPERVISOR CABINET IS NOT AVAILABLE.

CHARACTERISTIC IMPEDANCE IN OHMS AT 1000 CYCLES  
EXCHANGE AREA CABLE FACILITIES (SEE NOTES 1,2 & 9)

LOADING	CABLE GAUGE & CODE												U & UA DISTRIBUTION WIRE
	25		24			22				19		16	
	ST,AST	BST	M,SM, ASM,GSM	DSM	NM	SA,ASA, BSA,CSA	NA,ANA	TA	TS	TB, ANB,DNB	BNB,CNB	TH,NN	
NL	1007	942	778	721	820	576	612	664	633	453	402	320	254
B88	1604	1499	1530	1416		1420				1565	1395	1565	
B135	1949	1821	1888	1748		1765				1952	1742	1951	
B175	2218	2073	2161	2001		2027				2238		2238	
D88	1385	1294	1290	1194		1180				1295	1158	1295	
D135	1652	1544	1580	1463		1470				1620	1449		
D175	1872	1750	1810	1676		1698				1863	1677	1825	
H44	1098	1026	922	854		783				811	723	794	
H88	1275	1192	1160	1074		1051				1137	1017	1130	
H135	1490	1393	1407	1303		1306				1425	1283	1420	
H175										1645		1694	
H250										2030	1860	2030	
M88	1180	1103	1028	952		905				956	861	937	
M135	1338	1250	1223	1132		1123				1200	1098	1200	
M175										1410	1285	1410	
R133										1083		1083	
L44													510

TABLE 2

CHARACTERISTIC IMPEDANCE IN OHMS AT 1000 CYCLES TOLL CABLE FACILITIES (SEE NOTES 1,2,3,4 & 9)			
LOADING	SIDE	IMPEDANCE	PHANTOM
			LOADING IMPEDANCE
10NL		179	
13NL		238	
16NL		332	16NL 186
19NL		469	19NL 259
B88		1543	B50 921
E28		650	E16 400
E248		1950	E154 1200
H31		665	H18 405
H44		821	H25 494
H86		1160	H32 547
H88		1160	H50 687
H172		1660	H63 782
H174		1660	H106 1048
H245		1850	H155 1150
K200		1500	K130 950
M44		660	M25 395
M174		1300	M106 800

TABLE 3

CHARACTERISTIC IMPEDANCE IN OHMS AT 1000 CYCLES NON LOADED OPEN WIRE FACILITIES (SEE NOTES 1,2,5,6,7,8 & 9)						
WIRE	TYPE	SIZE IN MILS	SPACING			
			SIDE OR PHYSICAL			PHANTOM NPP
			NPP 6"	NPP 8"	NPP 12"	PP 8" 12"
COPPER		80		722	766	481 454
COPPER		104	811	644	689 730	421
COPPER		128	569	602	648 692	401
COPPER		165	529	563	610 654	373
COPPER STEEL 40%		104	734	763	806	498 472
COPPER STEEL 40%		128	639	676	712	454 427
COPPER STEEL 40%		165	555	590	631	417 390
HIGH STRENGTH STEEL		109			1425	795
STEEL 1.2 OZ. ZINC COATING		109			1235	
STEEL 2.4 OZ. ZINC COATING		109			1173	
STEEL		134			1356	765
BB IRON		109			1579*	

NOTES:

- VOICE FREQUENCY REPEATERS ARE 600 OHMS.
- THE OFFICE IMPEDANCE FOR LOCAL OFFICES IS ASSUMED TO BE 900 OHMS. HOWEVER, FOR MAGNETO AND NO.12 OFFICES, WHEN THE MAJORITY OF THE SUBSCRIBER LINES ARE IN OPEN WIRE, TRANSMISSION CONSIDERATIONS MAY WARRANT THE ASSUMPTION OF AN OFFICE IMPEDANCE OF 1500 OHMS. IF THIS HIGHER OFFICE IMPEDANCE IS ASSUMED, IT WILL BE SPECIFIED BY THE TELEPHONE COMPANY. THE OFFICE IMPEDANCE FOR TOLL OFFICES IS ASSUMED TO BE 600 OHMS. THE OFFICE IMPEDANCE OF TANDEM OFFICES IS SPECIFIED BY THE TELEPHONE COMPANY. IT IS USUALLY BETWEEN 600 OHMS AND 1800 OHMS.
- FOR NON LOADED (NL) FACILITIES, FIGURES TO THE LEFT ARE THE GAUGE OF THE WIRE.
- FOR LOADED FACILITIES, THE IMPEDANCE VALUES APPLY TO ANY GAUGE WHICH WOULD BE USED WITH THAT TYPE OF LOADING.
- ALL VALUES ARE FOR DRY WEATHER UNLESS OTHERWISE SPECIFIED.
- NPP-NON POLE PAIR.
- PP-POLE PAIR.
- \* INDICATES WET WEATHER VALUE.
- THE INFORMATION IN THIS TABLE IS FOR USE ONLY IN SELECTING THE PROPER REPEATING COILS FOR CIRCUITS.

PANEL SYSTEMS (CONT'D)

2 & 2-3 Digit, Sender Sel. Type	ES-262647	B1
3 Digit, Rotary Link, Grd. on C.O. Relay	ES-262829	C1
Jack Assignments, Rotary Link, Grd. on C.O. Relay	ES-262846	H1
2 & 2-3 Digit, Rotary Link, Grd. on C.O. Relay	ES-262849	D1
Trouble Desk & Semi-Mecn. "A" Swbd., Grd. on C.O. Relay	ES-262859	F1
Jack Assignments, Panel Link, Grd. on C.O. Relay	ES-262954	I1
Sup. Key Sheet, Call Ckt. Type, Cordless "B" Swbd.	ES-262968	G1

PBX SYSTEMS

No. 74CE	SD-65676-01	D26 ✓
No. 556A	SD-65678-01	E26
No. 607A	SD-65730-01	H27
No. 557A	SD-65735-01	E27
No. 607B	SD-65740-01	H27
No. 701B	SD-65775-01	C26
No. 711B	SD-65780-01	C28
No. 756A	SD-65910-01	D28
No. 551A or B	SD-66270-01	H26
Order Turret No. 3	SD-66317-01	E28
No. 702A	SD-66382-01	F26
No. 606A	SD-66383-01	F27
No. 554B or 554C	SD-66423-01	D27
No. 701A	SD-66457-01	C26
No. 711A	SD-66458-01	C27
No. 605A	SD-66459-01	F28
No. 755A	SD-66490-01	I27
Order Turret No. 4	SD-66510-01	H28
Order Turret No. 2A	SD-66512-01	G28
No. 555	SD-66525-01	I26
No. 552A or 552D	SD-66591-01	I28
Emer. Reporting System Station, Line & Pos. Ckt. with Jack	SD-66689-01	G27
Ended Lines	SD-66729-01	C29
No. 608A	SD-98125-01	D29
No. 520A, B, C, D or E	SD-60700-01	A26

POWER SYSTEMS

STATION SYSTEMS

Key Eqpts., Key Tel. Systems & Unattended Station	SD-69061-01	J1
Switching System No. 300	SD-69369-01	K1

STEP BY STEP SYSTEMS

No. 360A	SD-31250-01	B4
No. 1	SD-31359-01	A5 ✓
"A" Swbd., No. 15C	SD-31359-01	A4
No. 350A & Branch Off. Line Sw. & Repeated Dial Toll Train	SD-31364-01	B5
No. 355A	SD-31368-01	A3
	SD-31760-01	C5 ✓

STEP BY STEP SYSTEMS (CONT'D)

No. 1 or 350A Automatic Ticketing	SD-32050-01	D5
No. 356A	SD-32149-01	D3
No. 1 with AMA Intertoll Dialing	SD-32230-01	C3
Office with CAMA	SD-32320-01	E3
No. 35E97	SD-32325-01	D4
DSA Swbd. No. 3C or 3CL	SD-64800-01	A4
Loc. Test Desk No. 12C & Rep. Serv. Desk		
No. 1C	SD-90602-01	C4
Jack Assignments		
Line Sw. Office	SD-262970	B3

TELEGRAPH SYSTEMS

Telegraph Test Boards	SD-63125-01	B21
Carrier Telegraph & D.C. Telegraph	SD-63477-01	C21
Teletypewriter Swbds. Teletypewriter Sta. Ckts.	SD-63477-02	A21
Telephotograph	SD-63477-02	A22
Teletypewriter Line Concentrating Unit	SD-70134-01	E21
No. 101	SD-70259-01	B22
Teletypewriter Line Concentrating Unit		
No. 101A & 102A	SD-70345-01	A23
Telegraph Serv. Bd. No. 1	SD-70359-01	D21
Teletypewriter Switching Unit No. 81B1	SD-70448-01	A24
Teletypewriter Swbds. 69 Type	SD-70471-01	B23
Teletypewriter Switching Unit No. 81C1	SD-70654-01	A25
Teletypewriter Switching Unit No. 81D1	SD-70654-02	B25
Carrier Telegraph	SD-70700-01	C22
Transmission Measuring	SD-95021-01	F21

TOLL SYSTEMS

Toll Test Bd. No. 18B	SD-55100-01	F12
Swbd. No. 3CF	SD-55200-01	C14
Emergency Toll Off.	SD-55396-01	C15
Toll Cabinet No. 1A, 1B or 2A	SD-55575-01	I12
Intertoll Trunk Concentrating Equipment	SD-56490-01	J13
Telephone Repeater V1	SD-59070-01	A19
Telephone Repeater V3	SD-59070-02	A20
Toll Test Bd. No. 5	SD-60890-01	E11
Line & Balancing	SD-62404-01	J16
Signaling, Line, Composite & Simplex	SD-62405-01	H16
Telephone Repeater 4 Wire	SD-62407-01	A18
Echo Suppressor	SD-62407-01	B17
Swbd. No. 3	SD-62440-01	A13
Program Transmission	SD-62475-01	F16
Toll Swbd. No. 1	SD-62525-01	A11
Test & Control Bd. No. 6	SD-62688-01	F11
Carrier Telephone	SD-63394-01	D17
"K2" Carrier Telephone	SD-63394-03	D18

TOLL SYSTEMS (CONT'D)

Broadband Carrier Telephone	SD-63394-05	D19	Toll Test Bd. No. 17C for Use with Toll Sw. System No. 4A	SD-68400-01	E15
Broadband Carrier Telephone Channel Carrier Terminal Ckts.	SD-63394-06	D20	Toll Switching System No. 4M	SD-68470-01	D12
Toll Swbd. No. 2	SD-63517-01	A12	Swbd. No. 5 for Use with Toll Sw. System No. 4M	SD-68470-01	A14
Toll Test Bd. No. 17B	SD-64700-01	E13	Toll Test Bd. No. 17C for Use with Toll Sw. System No. 4M	SD-68470-01	E15
Swbd. No. 3C or 3CL	SD-64800-01	C13	Service Observing	SD-90625-01	H12
Operating Room Desks	SD-64885-01	H13	Transmission Measuring	SD-95021-01	G12
Toll Switching System No. 4A	SD-68400-01	D15			
Swbd. No. 5 for Use with Toll Sw. System No. 4A	SD-68400-01	A14			