

SD-80700-01

BELL TELEPHONE LABORATORIES, INC.

DWG. ISS.	C. D. ISSUE	DATE ISSUED	APPROVED	
13	13	8-17-61	J.T. F.C.	H.M.K. D.E.T. F.C.

POWER SYSTEMS
KEY SHEET
 STANDARD RATINGS

INDEX

PAGE TITLE	PAGE
1. NUMERICAL LISTING	1
2. CLASSIFIED LISTING OF CKTS.	
2A ALARM	5
2B CHARGE	6
2C CHARGE AND DISCHARGE	7
2D DISCHARGE	9
2E DISTRIBUTING	10
2F ENGINE DRIVEN ALTERNATORS & GENERATORS	11
2G GROUNDING	13
2H LIGHTING	13
2J RECTIFIERS	14
2K REGULATION AND CONTROL	17
2L RINGING	18
2M SERVICE	20
2N SIGNALING	21
2P SUPPLY	22
2R MISCELLANEOUS	25
2S CIRCUIT PACKAGE SCHEMATICS	26
3. CODED PLANT LISTING	27
4. LIST OF CHANGES	29

PRINTED IN U.S.A.

AT & TCO
 STANDARD

SD-80700-01

REPLACING SD-80311-01, SD-80312-01, SD-80313-01,
 SD-80314-01 AND SD-80603-01

NUMERICAL LISTING

<u>Number</u>	<u>Classified Listing</u>	<u>Coded PP Listing</u>	<u>Number</u>	<u>Classified Listing</u>	<u>Coded PP Listing</u>
SD-80306-01	2D		SD-80769-01	2N	
SD-80315-01	2E		SD-80770-01	2P	501A
SD-80324-01	2P		SD-80771-01	2N	
SD-80348-01	2M		SD-80774-01	2D	704C
SD-80479-01	2M		SD-80775-01	2A	704C
SD-80517-01	2L	805B	SD-80776-01	2C	704B
SD-80523-01	2F		SD-80783-01	2E	
SD-80526-01	2B		SD-80791-01	2F	
SD-80539-01	2E		SD-80800-01	2A	803C
SD-80560-01	2J		SD-80804-01	2C	
SD-80586-01	2D, 2E		SD-80810-01	2P	
SD-80588-01	2C		SD-80816-01	2P	403B
SD-80589-02	2J		SD-80823-01	2J	
SD-80590-03	2J		SD-80824-01	2C	
SD-80591-02	2J		SD-80828-01	2L	
SD-80594-03	2L	803C	SD-80838-01	2K	302A
SD-80594-04	2L	803C	SD-80841-01	2D, 2L	105C
SD-80594-06	2L	803C	SD-80844-01	2P	504A
SD-80596-01	2N		SD-80845-01	2P	504A
SD-80598-02	2L, 2F	803C	SD-80846-01	2P	506A
SD-80604-01	2C		SD-80847-01	2A	
SD-80605-03	2J		SD-80850-01	2G	
SD-80606-02	2J		SD-80852-01	2G	
SD-80606-08	2J		SD-80856-01	2P	504A
SD-80612-01	2C		SD-80859-01	2C	103B
SD-80614-01	2J		SD-80863-02	2P	420A
SD-80616-02	2J		SD-80866-01	2L	
SD-80620-03	2J		SD-80869-01	2A	
SD-80628-01	2M		SD-80871-01	2J	
SD-80629-02	2J		SD-80881-01	2P	506A
SD-80642-01	2J	405A	SD-80884-01	2L	806D
SD-80642-02	2J	405A	SD-80885-01	2L	806D
SD-80652-01	2P	420A, 420B	SD-80866-01	2N	806D
SD-80659-02	2J		SD-80892-01	2P	
SD-80661-01	2M		SD-80893-01	2A	806D
SD-80683-01	2C	103B	SD-80894-01	2L	
SD-80696-01	2C	101A	SD-80895-01	2L	806D
SD-80697-01	2C	101A	SD-80909-01	2E	
SD-80698-01	2C	101D	SD-80913-01	2D	420A, 420B
SD-80705-01	2M		SD-80914-01	2B	420A
SD-80707-01	2N		SD-80915-01	2D	420A, 420B
SD-80713-01	2H		SD-80918-01	2P	
SD-80720-02	2D	110A	SD-80927-01	2J	
SD-80722-02	2B	110A, 704C	SD-80929-01	2P	506A
SD-80724-02	2P		SD-80930-01	2J	
SD-80728-01	2E				
SD-80731-01	2A	803C			
SD-80733-01	2C	101E			
SD-80740-01	2C	101F			
SD-80750-01	2L				
SD-80753-01	2D	110A			
SD-80755-01	2B	110A			
SD-80759-01	2D	103B			
SD-80760-01	2P	403A			
SD-80764-01	2J				
SD-80764-02	2J				

<u>Number</u>	<u>Classified Listing</u>	<u>Coded PP Listing</u>	<u>Number</u>	<u>Classified Listing</u>	<u>Coded PP Listing</u>
SD-80936-01	2P		SD-81076-01	2J	
SD-80937-01	2J		SD-81077-01	2J	
SD-80942-01	2D	410A			
SD-80943-01	2B	410A	SD-81081-01	2F	
SD-80946-01	2L		SD-81082-01	2P	403C
SD-80950-01	2A		SD-81084-01	2C	425A
SD-80960-01	2K	505C	SD-81085-01	2C	425A
SD-80962-01	2J		SD-81086-01	2C	425A
SD-80963-01	2J		SD-81088-01	2J	
SD-80965-01	2C	302A	SD-81089-01	2J	
SD-80966-01	2D	302A	SD-81090-01	2J	
SD-80970-01	2J		SD-81091-01	2C	
SD-80976-01	2J		SD-81092-01	2F	
SD-80978-01	2L	805C	SD-81093-01	2J	
SD-80981-01	2M		SD-81094-01	2G	425A
SD-80982-01	2D		SD-81095-01	2M	425A
SD-80989-01	2N,2P	805C	SD-81097-01	2P	504B
SD-80990-01	2A	805C	SD-81100-01	2A	
SD-80991-01	2L	804C,805C	SD-81101-01	2L	804C,803C,
SD-80992-01	2C	805C	SD-81103-01	2E	
SD-80993-01	2P	805C	SD-81105-01	2E	
SD-80995-02	2A	702C	SD-81106-01	2F	
SD-80998-01	2K		SD-81110-01	2J	
SD-80999-01	2K		SD-81111-01	2E	425A
SD-81001-01	2P		SD-81113-01	2H	
SD-81004-02	2C	702C	SD-81114-01	2H	
SD-81008-01	2F		SD-81116-01	2E	
SD-81010-01	2J		SD-81117-01	2J	
SD-81010-03	2J		SD-81118-01	2C	101A
SD-81011-01	2J				
SD-81013-01	2J		SD-81121-01	2K	302A
SD-81015-02	2D	702C			
SD-81016-01	2B	410B	SD-81123-01	2J	
SD-81022-02	2K	702C	SD-81124-01	2K	
SD-81023-02	2K	702C	SD-81125-01	2F	
SD-81026-01	2P	504B	SD-81126-01	2H	
			SD-81129-01	2J	
SD-81035-01	2H		SD-81130-01	2J	
SD-81038-01	2P	505C	SD-81131-01	2L	806E
SD-81040-01	2L		SD-81132-01	2L	806E,806F
SD-81041-01	2L		SD-81133-01	2P	507A
SD-81042-01	2L		SD-81134-01	2C	105D
SD-81051-01	2P		SD-81135-01	2P	101G
SD-81052-01	2P		SD-81136-01	2F	
SD-81058-01	2J		SD-81137-01	2C	426A
SD-81060-01	2A	302A	SD-81138-01	2J	
SD-81061-01	2A	302A	SD-81139-01	2L	806E,806F
SD-81063-02	2E		SD-81140-01	2M	425A
			SD-81141-01	2L	
SD-81064-01	2J		SD-81142-01	2E	
SD-81065-01	2J		SD-81143-01	2L	
SD-81067-01	2F		SD-81144-01	2F	
SD-81069-01	2L	803C			
SD-81070-01	2L	803C	SD-81147-01	2K	
SD-81071-01	2F		SD-81148-01	2K	302A
SD-81073-01	2P	505C	SD-81148-02	2K	302A
			SD-81149-01	2P	505D

<u>Number</u>	<u>Classified Listing</u>	<u>Coded PP Listing</u>	<u>Number</u>	<u>Classified Listing</u>	<u>Coded PP Listing</u>
SD-81150-01	2K		SD-81228-01	2E	
SD-81151-01	2J		SD-81229-01	2K	
SD-81152-01	2K	505D	SD-81231-01	2D	
SD-81153-01	2F	425B	SD-81233-01	2J	
SD-81155-01	2B	301C, 302A,	SD-81235-01	2J	
SD-81156-01	2J		SD-81236-01	2L	801E
SD-81157-01	2J		SD-81239-01	2J	
SD-81158-01	2J		SD-81240-01	2P	
SD-81159-01	2P		SD-81240-02	2P	
SD-81160-01	2B	302A	SD-81241-01	2F	
SD-81161-01	2P	425B	SD-81242-01	2J	
SD-81164-01	2K		SD-81243-01	2J	
SD-81167-01	2C	425B	SD-81244-01	2L	806E, 806F
SD-81168-01	2L	804C	SD-81263-01	2F	
SD-81169-01	2L	804C	SD-81264-01	2F	
SD-81170-01	2A	804C	SD-81267-01	2F	
SD-81171-01	2N		SD-81268-01	2F	
SD-81172-01	2D		SD-81270-01	2B	110A
SD-81175-01	2K	302A	SD-81271-01	2C	110A
SD-81176-01	2F				
SD-81177-01	2F				
SD-81179-01	2C		SD-81276-01	2J	
SD-81180-01	2J	110A	SD-81277-01	2K	
SD-81181-01	2J	110B,	SD-81278-01	2L	
SD-81182-01	2F		SD-81279-01	2S	
SD-81183-01	2F		SD-81282-01	2J	
SD-81184-01	2B	302A	SD-81284-01	2P	
SD-81185-01	2M		SD-81288-01	2L, 2N	
SD-81186-01	2B		SD-81293-01	2C	410B
SD-81188-01	2J		SD-81294-01	2C	410B
SD-81189-01	2E		SD-81295-01	2C	410B
SD-81192-01	2M		SD-81298-01	2P	
SD-81192-02	2M		SD-81301-01	2K	410B
SD-81193-01	2C		SD-81302-01	2J	410B
SD-81194-01	2D		SD-81303-01	2C	102F
SD-81195-01	2J		SD-81305-01	2K	
SD-81196-01	2P		SD-81306-01	2J	
SD-81197-01	2E		SD-81307-01	2K	
SD-81201-01	2F		SD-81308-01	2P	
SD-81202-01	2E, 2L		SD-81309-01	2P	
SD-81206-01	2F		SD-81310-01	2R	
SD-81208-01	2F		SD-81311-01	2R	
SD-81209-01	2F		SD-81312-01	2A	
SD-81210-01	2D	110A	SD-81313-01	2R	
SD-81211-01	2B	110B	SD-81314-01	2R	
SD-81212-01	2D	110B	SD-81317-01	2J	
SD-81213-01	2F		SD-81318-01	2J	
SD-81214-01	2F		SD-81319-01	2C	102F
SD-81215-01	2J		SD-81324-01	2P	101G
SD-81216-01	2J		SD-81325-01	2L	
SD-81217-01	2J		SD-81326-01	2P	
SD-81222-01	2J		SD-81327-01	2F	
SD-81223-01	2A, 2F		SD-81328-01	2N	
SD-81224-01	2J		SD-81329-01	2L	
SD-81225-01	2L	806F	SD-81330-01	2P	
SD-81227-01	2C		SD-81331-01	2L	

<u>Number</u>	<u>Classified Listing</u>	<u>Coded PP Listing</u>	<u>Number</u>	<u>Classified Listing</u>	<u>Coded PP Listing</u>
SD-81332-01	2P		SD-81424-01	2C	111A
SD-81333-01	2K	702C	SD-81425-01	2R	
SD-81334-01	2P	101J	SD-81442-01	2P	
SD-81335-01	2B	702C	SD-81443-01	2P	
SD-81336-01	2B	702C	SD-81448-01	2C	303A
SD-81337-01	2L	806G	SD-81449-01	2L	
SD-81338-01	2P		SD-81452-01	2S	
			SD-81456-01	2P	
SD-81339-01	2P		SD-81460-01	2E	
SD-81339-02	2P		SD-81461-01	2R	
SD-81341-01	2J				
SD-81342-01	2J		SD-81463-01	2J	
SD-81343-01	2J		SD-81464-01	2F	
SD-81344-01	2J		SD-81465-01	2F	
SD-81345-01	2J				
			SD-81466-01	2C	111A
SD-81346-01	2F		SD-81468-01	2F	
SD-81347-01	2F		SD-81469-01	2J	
SD-81348-01	2F		SD-81472-01	2A	
SD-81349-01	2F		SD-81475-01	2F	
SD-81350-01	2P	508A	SD-81476-01	2F	
SD-81351-01	2P		SD-81477-01	2B	702C
SD-81352-01	2L	803C			
			SD-81478-01	2J	303A
SD-81353-01	2C		SD-81481-01	2P	
SD-81354-01	2J	102F	SD-81483-01	2J	
SD-81355-01	2L	804D	SD-81485-01	2P	
SD-81356-01	2J		SD-81486-01	2P	101J
SD-81357-01	2D		SD-81487-01	2J	
SD-81363-01	2J		SD-81488-01	2L	
SD-81364-01	2M				
			SD-81490-01	2F	
SD-81365-01	2M		SD-81491-01	2F	
SD-81366-01	2G		SD-81492-01	2F	
SD-81368-01	2K		SD-81493-01	2F	
SD-81369-02	2J		SD-81495-01	2P	
SD-81370-01	2J		SD-81496-01	2P	
SD-81371-01	2P		SD-81497-01	2P	
SD-81384-01	2G				
			SD-81498-01	2C	
SD-81387-01	2L		SD-81499-01	2J	
SD-81396-01	2J		SD-81501-01	2C	111A
SD-81405-01	2J		SD-81506-01	2H	
SD-81410-01	2J		SD-81507-01	2P	
SD-81411-01	2S		SD-81508-01	2C	102G
SD-81412-01	2J		SD-81509-01	2J	
SD-81423-01	2P	101G			
			SD-81510-01	2J	
			SD-81511-01	2F	
			SD-81512-01	2F	
			SD-81536-01	2J	
			SD-81538-01	2J	
			SD-81539-01	2J	
			SD-81542-01	2B	410B

2A ALARM CIRCUITS

SD-80731-01	AC Power Alarm Circuit - 803C Ringing Power Plant	SD-80990-01	AC Power Alarm Circuit - 805C Ringing Power Plant
SD-80775-01	Power Alarm Circuit - 704C Plants	SD-80995-02	700 Type Plants - Power Alarm Circuit - 702C Plant
SD-80800-01	AC Power Alarm Circuit, Toll Switching Systems No. 4 and 4A - 803C Ringing Power Plant	SD-81060-01	DC Power Alarm Circuit - 302A Plants
		SD-81061-01	Power Audible Alarm Circuit - 302A Plants
		SD-81100-01	AC Low Voltage and Engine Failure Alarms with Power Restore Alarm Feature
SD-80847-01	No Voltage Alarm Circuit for 105-125 Volt 60 Cycle Alternating Current - J86725A	SD-81170-01	AC Power Alarm - 804C Ringing Power Plant
SD-80869-01	Alarm and Transfer Control Circuit, AC Low Voltage, 115/230 Volts, 50/60 Cycles	SD-81223-01	Automatic Engines in Central Offices J86725F
SD-80893-01	AC Power Alarm Circuit - 806D Power Plant	SD-81312-01	Repeated Submarine Cable
SD-80950-01	AC Low Voltage, AC No Voltage 115/230 Volts, 50/60 Cycles	SD-81472-01	Power Audible Alarm Circuit - 303A Plant

2B CHARGE CIRCUITS

SD-80526-01	Application of Centrifugal Type Voltage Regulator to Existing Commercial Type 33, 65, and 175 Volt M.G. Sets	SD-81184-01	Application Schematic, 100 Ampere, 24 and 48 Volt, 200 Ampere, 24 Volt Regulated Disc Rectifiers - 302A Plant
SD-80722-02	Charge Circuit Using Regulated Rectifiers, 10-240 Ampere, 44-50 Volt - 110A and 704C Plants	SD-81186-01	Regulated Rectifiers, 5-120 Amperes, 48 Volts for 81D1 Teletypewriter Switching Systems
SD-80755-01	Charging Circuit Using Regulated Rectifiers, 10-120 Ampere, 22-26 Volt - 110A Plants	SD-81211-01	Using Regulated Rectifiers 5-80 Amperes 24 Volts - J86455 - 110B Plant
SD-80914-01	Positive 152 Volt Charge Circuit - 420A Plants	SD-81270-01	100 Type Plants - Auxiliary Charging Circuit for Addition of 30 and/or 100 Amp. Rectifiers to Existing 110A Plants
SD-80943-01	130 Volts, 1-25 Amperes - 410A Plants	SD-81335-01	700 Type Plants - Charging Generator Circuit - Automatic Regulation Auto Start, Regular Generators - 702C Plant
SD-81016-01	Auxiliary Charging Circuit for 410B Plants Supplying Motor Alternators Using Generator or Rectifier With Automatic Control	SD-81336-01	700 Type Plants - Automatic Regulation Auto Start Reserve Generators - 702C Plant
SD-81155-01	Charging Generator Circuit With Motor Driven Rheostat - 301C & 302A Plants	SD-81477-01	Application Schematic, 100 Amp. 160 Volt Metallic Rectifier - 702C Plant
SD-81160-01	Charging Generator Circuit 33 or 65 Volt M/G Sets With Automatic Voltage Regulation - 302A Plants	SD-81542-01	- Auxiliary Charging Circuit Recharger Control Using KS-15885, List 4 Rectifiers - 410B Plants

2C CHARGE AND DISCHARGE CIRCUITS

SD-80588-01	Charge and Discharge Circuit With Relay for Charge Control - 755A PBX Plant	SD-81085-01	250 Volt, 0.5-20 Ampere Plate Supply, Battery Regulated Except During Power Failure - 425A Plants - J86439
SD-80604-01	Modification of Various 130 Volt Power Circuit Arrangements to Provide for Discharge Circuit Filter	SD-81086-01	12 Volt, 60-800 Ampere Power Supply, Battery Regulated Except During Power Failure - 425A Plants - J86439
SD-80612-01	Positive 24 Volt Supply for Crossbar Terminating Marker Circuits	SD-81091-01	24 Volt, 6 and 12 Ampere Supply With Battery Reserve
SD-80683-01	Tripping Supply Using Regulated Tube Rectifier With Dry Cell Reserve - 103B Power Plant	SD-81118-01	10-15 Ampere Hour, 15-19 Volt, 10 Ampere Hour, 17-21, 19-24 or 21-26 Volts With Voltage Control of Charge, KS-15918 & 101A Plants
SD-80696-01	10-15 Ampere Hour, 15-20 Volt With Voltage Control of Charge - 101A Plants	SD-81134-01	10,20 and 30 Amperes - 48 Volts 105D Plant
SD-80697-01	10-15 Ampere Hour, 15-20 Volt Without Voltage Control of Charge - 101A Plants	SD-81137-01	130 Volt, 0.5-40 Ampere Positive or Negative Supply, Regulated Except During Power Failure - 426A Plant
SD-80698-01	30 Ampere Hour, 15-20 Volt - 101D Plant	SD-81167-01	Battery Regulated Except During Power Failure - 0.5-5 Ampere Plate Supply With 30 Ampere Charge Signal Supply 425B Plant - J86449
SD-80733-01	15 and 30 Ampere Hour, 20-25 Volt Power Plant - 101E Plant	SD-81179-01	24 Volt, 1 Ampere With Battery Reserve - J86440C
SD-80740-01	15-200 Ampere Hour, 18-26 Volt, 15-100 Ampere Hour, 32-46 Volt, 50-200 Ampere Hour, 14-20 Volt, Power Plants - 101F Plant	SD-81193-01	Positive 130 Volt DC Supply for 81D1 Teletypewriter Switching System J86453
SD-80776-01	34 and 48 Volt Positive and Negative 2.5 and 8 Ampere Plants - 704B Plant	SD-81227-01	100 Type Plants, 32-42 Volts, 3 or 6 Ampere Rectifier, 18 Cells 50 or 100 A.H. Batteries, J86567B
SD-80804-01	24 Volt, 6, 14 and 20 Ampere Supply With Battery Reserve	SD-81271-01	100 Type Plants - Auxiliary Discharge Circuit, Using 400 Amp. Contactors for Addition to Existing 110A Plants
SD-80824-01	Regulated Copper Oxide Rectifier - 6 Volts, 10 Amps.	SD-81293-01	1-80 Amp. Positive or Negative 130 V, 63 Cells, 410 B Plants
SD-80859-01	Message Register Supply Using Regulated Tube Rectifier With Dry Cell Reserve - 103B Power Plant	SD-81294-01	1-80A, Positive or Negative 130V, 66 Cells - 410B Plant
SD-80965-01	Calculation of Equipment and Lead Sizes, 302A Plant	SD-81295-01	1-25 Amp. Positive or Negative 125-135V For Use With Auxiliary M.G. Sets - 70 Cells - 410B Plants
SD-80992-01	+130 Volt, 3 Ampere Signaling Supply - 805C Ringing Power Plant	SD-81303-01	44-52 Volts, 7.5 Ampere Rectifier 24 Cell, 50 A.H. Batteries - J86466D - 102F Plant
SD-81004-02	Without CEMF Cells - Calculation of Equipment and Lead Sizes - 702C Plant		
SD-81084-01	130 Volt, 0.5-20 Ampere Plate Supply, Battery Regulated Except During Power Failure - 425A Plants		

2C CHARGE AND DISCHARGE CIRCUITS
(Continued)

SD-81319-01	Positive 20-26 Volt Supply, 9 Amp. Rectifier, 11 Cell 100 A.H. Battery - J86466B - 102F Plant	SD-81466-01	10-120 Amps., 24 Volts, 111A Power Plant
SD-81353-01	102F Power Plant, Negative 20-26 Volt Supply, 9 Amp. Rect., 11 Cell Battery - J86466A	SD-81498-01	Positive or Negative 24 Volt, 10-30 Ampere Supply - J86496A,B,C
SD-81424-01	10-120 Amps., 48 Volts, 111A Power Plant	SD-81511-01	100 Type Plants - 10-400 Amperes, 48 Volts, - 111A Power Plant
SD-81448-01	24 and 48 Volts, 100-1000 Amperes DC - 303A Power Plant	SD-81508-01	Negative 18,20,22 or 48 Volt DC Supply - 6, 12, 24 or 25 Amperes With Battery Reserve - J86802-- 102G Power Plant

2D DISCHARGE CIRCUITS

SD-80306-01	Modification of SD-80405-01, 130 Volt Supply for Call Announcer Amplifiers And Repeater Frames - Panel Tandem Power Plant	SD-80942-01	1-25 Ampere, Positive and Negative 130 Volt Automatic Power Plant - 410A Plant
SD-80586-01	-48 Volt Signal, Positive and Negative 130 Volt Battery and Ground Distribution Circuit for 3A Teletype Switchboards	SD-80966-01	22-26 and 45-50 Volt - 302A Plants
SD-80720-02	10-240 Ampere, 44-50 Volt - 110A Plants	SD-80982-01	Modification of SD-80720-02 for Teletypewriter Switching Unit No. 81C1
		SD-81015-02	125-135 Volts - 702C Plants
		SD-81172-01	Coin Control Supply 116-120V KS-5769 Rectifiers, Block Type Dry Battery Reserve, J86726F
SD-80753-01	10-120 Ampere, 22-26 Volt - 110A Plants	SD-81194-01	48 Volts, 100 Amperes for 81D1 Teletypewriter Switching System - J86453
SD-80759-01	60-75 Volt Message Register Battery Using Block Type Dry Battery Units - Step-by-Step Systems	SD-81210-01	Circuit of Resistor to Replace CEMF cells in constant load offices 110A Plants
SD-80774-01	10-120 Ampere, 44-50 Volt or 44-52 Volt Positive and Negative Supply - 704C Plant	SD-81212-01	24 Volts, 80 Amperes, J86455 - 110B Plant
SD-80841-01	Discharge and Ringing Circuit for Emergency Reporting System Operated From 105C Power Plant	SD-81231-01	Single Cell - Carbon Pile Rheostat Type - 0-550 Amperes, 1.75 Volts - J87116A
SD-80913-01	Positive 152 Volt Discharge Circuit Battery not Tapped, K2 Carrier Telephone Stations - 420A and 420B Plants	SD-81271-01	100 Type Plants, Auxiliary Discharge Circuit Using 400 A. Contactors for Addition to Existing 110A Plants
SD-80915-01	Positive 152 Volt Tapped Battery Discharge Circuit, Combined Plate and Filament Supply - 420A and 420B Plants	SD-81357-01	Coin Control Supply Using KS-6948 or KS-8128 Dry Battery Units

2E DISTRIBUTING CIRCUIT

Battery Distributing Circuit

SD-80315-01	24 and 48 Volt Battery Leads, Call Announcer Equipment, Panel Tandem Power Plants	SD-81103-01	607A and 607B Manual PBX's
SD-80539-01	Teletypewriter Switchboard No. 1 Installations	SD-81105-01	Step-by-Step Intertoll Dial Selector Equipment Located in Toll Terminal Room
SD-80586-01	-48 Volt Signal, Positive and Negative 130 Volt Battery and Ground Distribution Circuit for 3A Teletype Switchboards	SD-81111-01	24 Volt and 130 Volt From Existing Plants - 425A Plants
SD-80728-01	Grouping of Frames and Racks, Decentralized Power Filters, Step-by-Step System	SD-81116-01	Toll Switching System No. A4A
SD-80783-01	Toll Switching System No. 4	SD-81142-01	Toll Switching System 3CL
SD-80909-01	300 Type Plants - Battery Distributing Circuit - Crossbar No.1 and Crossbar Tandem	SD-81189-01	Intertoll Trunk Concentrating System
SD-81063-02	300 Type Plants - Crossbar System No. 5	SD-81197-01	Toll Switching System No. 4A
		SD-81202-01	Auxiliary Ringing Supply and Battery Distributing Circuit, Civil Air Raid Warning System
		SD-81228-01	24- and 130-Volt Supply for Broadband Carrier Telephone
		SD-81460-01	24, 48 and +130 Volt Supply for E and V Type Telephone Repeaters and Miscellaneous Supplies

2F 900 TYPE PLANTS - ENGINE DRIVEN ALTERNATORS AND GENERATORS

- SD-81008-01 Diesel Engine Alternator Circuit, KS-5666 and KS-5574-01 Sets, J86164
- SD-81067-01 900 Type Plants - Manual Diesel Engine Alternator Schematic, 20-60 KW, 208-240 Volts, 3 Phase, KS-5574-01; 30-100 KW, 208-240 Volts, 3 Phase, KS-15884
- SD-81071-01 900 Type Plants - Manual Diesel Engine Alternator Schematic, 20 KW, 230/240-115/120 Volts, 1 Phase, KS-5574-01
- SD-81092-01 900 Type Plants - Engine Driven Alternator Automatic Control Circuit, 3 Phase, 208-240 Volts, 20-100 KW - J86621
- SD-81106-01 900 Type Plants - Diesel Engine Driven Alternator Schematic, 3 Phase, 208-240 Volts, 20-60 KW, KS-5750; 3 Phase 208-240 Volts, 30-100 KW - KS-15890
- SD-81125-01 900 Type Plants - Reserve Power Plant Schematic 20-60 KW, 3 Phase, KS-5750 Diesel Sets; 30-100 KW, 3 Phase, KS-15890 Diesel Sets, 20 KW, Single Phase, KS-5750 Diesel Sets; 20 KW Single and 3 Phase KS-15521 Diesel Sets - J86620 and J86629
- SD-81136-01 Engine Driven Alternator Automatic Control Circuit, Single Phase, 230-115 Volts, 20-KW, J86221
- SD-81144-01 Diesel Engine Driven Alternator Schematic, 20 KW, 230/115-240/120 Volts, 1 Phase, KS-5750
- SD-81176-01 Diesel Engine Driven Alternator Circuit for 4 Cycle Diesel Engine, 3 Phase, 208-240 Volts, 20 KW, KS-15521
- SD-81177-01 Diesel Engine Driven Alternator Circuit for 4 Cycle Diesel Engine, 1 Phase, 230/115 Volts 20 KW, KS-15521
- SD-81182-01 Automatic Gasoline Engine Driven Alternator, 2.8 and 4 KW, 115 Volts, 1 Phase KS-5667-01, Lists 1 and 2
- SD-81183-01 Automatic Gasoline Engine Driven Alternators, 2.8 and 4 KW, 230/115 Volts, 1 Phase KS-5667-01, Lists 3 and 4
- SD-81201-01 Automatic Gasoline Engine Driven Alternator, 8 KW, 230/115 Volts, 1 Phase, KS-5667-01, List 5
- SD-81206-01 Reserve Power Plant Schematic, 120 and 170 KW, 3 Phase, 208-240-Volts - KS-15622 Manually Controlled Engine Driven Alternator
- SD-81208-01 900 Type Plants - Automatic Control Circuit, 3 Phase, 208-240 Volts, 120 and 170 KW - J86624
- SD-81209-01 900 Type Plants - Automatic Reserve Power Plant Schematic 120/170 KW, 3 Phase, KS-15622 Diesel Sets - J86623
- SD-81213-01 Manual Diesel Engine Alternator Circuit, 120 and 170 KW, 208-240 Volts, 3 Phase, KS-15622
- SD-81214-01 Automatic Diesel Engine Driven Alternator Circuit - 120 and 170 KW, 208-240 Volts, 3 Phase, KS-15622
- SD-81223-01 Automatic Engines in Central Offices J86725F
- SD-81241-01 900 Type Plants - KS-15688 Engine Alternator Set Circuit- Manually Controlled Portable Gasoline Type, 115 Volts, 750 Watts, Single Phase - 2 Wire, 60 Cycles
- SD-81263-01 900 Type Plants - Engine Alternator Circuit, Automatic, Manual and Portable Engine Driven Alternators, 10 KW, 230/115 to 240/120 Volts, Single Phase, KS-15717
- SD-81264-01 900 Type Plants - Automatic Manual and Portable Diesel Engine Driven Alternators - 10 KW, 208-220 Volts, 3 Phase, 4 Wire, KS-15717
- SD-81267-01 900 Type Plants - Manual Gasoline Engine Driven Alternator 5 KW, 1 Phase, 3 Wire 230/115 Volts or 5 KW, 3 Phase, 4 Wire 208/120 Volts - KS-15650
- SD-81268-01 900 Type Plants - Automatic Gasoline Engine Driven Alternators, 1.3 KW, 115 Volts, 1 Phase, KS-15700

2F 900 TYPE PLANTS - ENGINE DRIVEN ALTERNATORS AND GENERATORS (Continued)

SD-81327-01	900 Type Plants - Engine Alternator Circuit - 10 KW, 230-240 Volts, Three-Phase, 3-Wire, KS-15717	SD-81475-01	900 Type Plants - Reserve Power Plant Schematic, 500 KW, 3-Phase, 208-240, 416-480 Volts Using KS-15777 Automatically Controlled Diesel Engine Alternators - J86627
SD-81346-01	900 Type Plants - Automatic Diesel Engine Driven Alternators, 10 KW, 230/115 Volts, 1-Phase - KS-15717	SD-81476-01	900 Type Plants - Automatic Diesel Engine-Alternator Circuit - 500 KW, 3-phase, 208-240 or 416-480 Volts - KS-15777
SD-81347-01	900 Type Plants - Reserve Power Plant Schematic - 10 KW, 230/115 Volt, 1-Phase, KS-15717 Automatically Controlled Engine Alternator - J86625C	SD-81490-01	Automatic Diesel Engine - Alternator Circuit, 350 KW, 3-Phase, 208-240, 416-480 Volts - KS-15899
SD-81348-01	900 Type Plants - Automatic Gasoline Engine Driven Alternator, 5 KW, 230/115 Volts, 1-Phase - KS-5667-01	SD-81491-01	900 Type Plants - Reserve Power Plant Schematic - 350 KW, 3-Phase, 208-240, 416-480 Volts Using KS-15899, Automatically Controlled Diesel Engine - Alternators - J86630
SD-81349-01	900 Type Plants - Reserve Power Plant Schematic - 5 KW, 230/115 Volt, 1-Phase, KS-5667-01 Automatically Controlled Engine Alternator - J86618J & K	SD-81492-01	900 Type Plants - Manual Diesel Engine Alternator Circuit, 350 KW, 3-phase, 208-240, 416-480 Volts - KS-15899
SD-81464-01	900 Type Plants - Reserve Power Plant Schematic - 500 KW, 208-240, 416-480 Volts, 3-Phase, Using KS-15777 Manually Controlled Diesel Engine-Alternators - J86627	SD-81493-01	Reserve Power Plant Schematic - 350 KW, 3-Phase, 208-240, 416-480 Volts Using KS-15899 Manually, Controlled Diesel Engine - Alternators - J86630
SD-81465-01	900 Type Plants - Manual Diesel Engine-Alternator Circuit, 500 KW, 208-240, 416-480 Volts, 3-Phase, KS-15777	SD-81511-01	900 Type Plants - Engine Driven Alternator Automatic Control Circuit - 3-Phase, 208-240 Volts, 30 to 100 KW - J86624
SD-81468-01	900 Type Plants - Reserve Power Plant Schematic, KS-15884 Sets - J86628	SD-81512-01	900 Type Plants - Automatic Reserve Power Plant Schematic - 30-60 KW, 3-Phase, KS-5750, KS-15890, 100 KW, 3-Phase, KS-15890 Diesel Sets - J86620, J86629

2G GROUNDING CIRCUITS

SD-80850-01 "J" Carrier Telephone Grounding Circuit - Auxiliary Station

SD-80852-01 "K" Carrier Telephone Grounding Circuit - Auxiliary Station

SD-81094-01 TD-2 Grounding Circuit for Repeater Stations - 425A Plants

SD-81366-01 For Remote TJ Radio Stations

SD-81384-01 TH Radio Grounding Circuit for Lightning Protection Repeater Stations

2H LIGHTING CIRCUITS

SD-80713-01 Emergency Lighting Circuit

SD-81035-01 Fluorescent Type Lighting Circuit for Terminal and Switch Rooms

SD-81113-01 Air Navigation Obstruction Lighting Circuit, Duplex Obstruction Light With or Without Side Lighting for Use With Radio Systems

SD-81114-01 Air Navigation Obstruction Lighting Circuit, 300 MM Flashing Beacon With or Without Side Lighting for Use With Radio Systems

SD-81126-01 Control Circuit, Frame and Aisle Lighting, Incandescent Type and Appliance Outlets

SD-81506-01 Air Navigation Obstruction Lighting Circuit - 300 MM Flashing Beacon with Side Lights and Duplex Obstruction Light for Use with Radio Systems - Hughey and Phillips, Inc.

2J RECTIFIER CIRCUITS

Semiconductor Type

SD-80560-01	105-125 volts 50-60 cycles AC, 0.1 Amp. 3.5V DC, 0.8 Amp. 24V AC, J86205C	SD-81195-01	Manual Regulation, 120 Volts, 0.420 Amp. DC, J86256B
SD-80589-02	Manual Regulation 1.2 Amperes, 24 volts DC, J86205F	SD-81215-01	Manual Regulation, 190 Volts, 0.55 Amp. DC, J86254B
SD-80590-03	Manual Regulation 22 Volts, 0.5 Amp. DC, 105-125 or 190-250 Volts, 50-60 Cycles AC, J86205B	SD-81216-01	Manual Regulation, 315 Volts, 0.37 Amp. DC, J86255B
SD-80591-02	Manual Regulation 10 Volts, 6 Amps. DC, J86205D	SD-81222-01	Manual Regulation, 130 Volts, 0.2 Amp. DC, J86265B
SD-81064-01	Manual Regulation, 10 Volts, 12 Amps. DC, J86220B	SD-81224-01	Automatic Regulation, 53 Volts, 125 Amps., J86239B
SD-81065-01	Manual Regulation, 20 Volts 4 Amps. DC, J86230B	SD-81233-01	50 Volts, 15 Amps. DC, KS-15655
SD-81088-01	Automatic Regulation, 12 Volts 200 Amps., J86244A	SD-81235-01	Manual Regulation, 130 Volts, 0.2 Amp. DC, J86265C
SD-81089-01	Automatic Regulation, 24 Volts, 3 Amps., J86242A	SD-81239-01	Manual Regulation, 200 Volts, 0.625 Amp. DC, J86254C
SD-81090-01	Automatic Regulation, 24 Volts, 1 Amp., J86241A	SD-81242-01	Automatic Regulation, 48 Volts, 200 Amps. DC Output- KS-15689, Lists 1, 2 and 3
SD-81093-01	Automatic Regulation, 24 Volts, 9 Amps., J86243A	SD-81243-01	Automatic Regulation, 53 Volts, 130 Amps., J86239C
SD-81123-01	Unregulated 115 Volts, 0.5 Amp. J86246B	SD-81276-01	Automatic Regulation, 22 Volts, 0.175 Amp., J86272A
SD-81129-01	Automatic Regulation, 24 and 48 Volts, 100 and 200 Amps., J86249A, B, C and E	SD-81282-01	Unregulated 20 Volts, 0.15 Amp. DC, 10 Volts AC or 18 Volts AC, 0.09 Amp., J86736A
SD-81130-01	Unregulated 20 Volts DC, 10 Volts AC and 18 Volts AC, J86248A	SD-81302-01	Automatic Regulation, 130 Volts, 24 Amperes, J86266
SD-81151-01	Manual Regulation, 130 Volts, 0.8 Amp. DC, J86256A	SD-81306-01	High Voltage Rectifier Circuit, 1900-3200 Volts, 0.26 Ampere, J86275B
SD-81156-01	Manual Regulation 12 Volts, 22 Amps., J86257	SD-81317-01	Automatic Regulation, 48 Volts, 200 Amperes, J86273
SD-81157-01	Manual Regulation, 130 Volts, 0.65 Amp., J86258	SD-81318-01	Automatic Regulation, 48 Volts, 7.5 Amps., J86281A
SD-81158-01	Manual Regulation, 250 Volts, 0.35 Amp., J86259	SD-81341-01	Manual Regulation, 11 Volts, 6 Amperes, J86277B
SD-81180-01	Automatic Regulation, 48 Volts, 30 Amps., J86263A	SD-81342-01	Manual Regulation, 11 Volts, 2 Amperes, J86277A
SD-81181-01	Automatic Regulation, 24 Volts, 30 Amps., J86263B	SD-81343-01	Manual Regulation, 135 Volts, 0.125 Ampere, J86278A
SD-81188-01	Single Cell Charger, 210 Amps. J86264A	SD-81344-01	Manual Regulation, 135 Volts, 0.375 Ampere, J86278B
		SD-81345-01	Manual Regulation, 250 Volts, 0.22 Ampere, J86280A
		SD-81354-01	For No. 5 Crossbar Line Concentrator Silicon Type - Magnetically Regulated 135 Volts, 0.2-2.0 Amperes - J86285

2J RECTIFIER CIRCUITS (Continued)

Semiconductor Type (Continued)

SD-81356-01 Manual Regulation, 24 Volts,
2 Amperes, J86286A

SD-81363-01 Manual Regulation, 7 Volts
1 Ampere, J86288A

SD-81369-02 Unregulated - 1200 Volts,
0.100 Ampere - J86283B

SD-81370-01 Automatic Regulation -
2800 Volts, 0.03 Ampere -
J86283C

SD-81396-01 Automatic Regulation 48 & 24
Volts, 30 Amperes - J86231A

SD-81410-01 Automatic Regulation 48 Volts,
200 Amperes - J86295

SD-81412-01 Automatic Regulation - 4 Volts,
3 Amperes - J86298

SD-81463-01 Raise-Lower Control, 130 Volts,
100 Amperes - KS-15885

SD-81469-01 Manual Regulation, 48 Volts,
1.5 Amperes - J87200A

SD-81478-01 300 Type Plants - 5 Volts,
200 Ampere Metallic Rectifier
for Emergency Cell Recharging -
J87201

SD-81483-01 Manual Regulation, 11 Volts,
2 Amperes and 135 Volts, 0.125
Ampere - J87203A

SD-81487-01 Unregulated, +25 Volts, 0.045
Amp. DC, +11 Volts, 0.075
Amp. DC - J87202A

SD-81499-01 Ferroresonant Regulation,
48 Volts, 8 Amperes - J87205

SD-81509-01 Ferroresonant Regulation, ±18.0
Volts, 0.275 Amp. DC - J87208A

SD-81510-01 Automatic Regulation 24 Volts,
1.5 Amperes - J87207A

SD-81536-01 Ferroresonant Regulation ±20
Volts, 0.5 Amp. DC - J87215A

SD-81538-01 Ferroresonant Regulation ±12
Volts, 0.570 Amp. DC, -12 Volts,
0.250 Amp. DC, 24 Volts, 0.060
Amp. DC - J87212A

SD-81539-01 Manual Regulation, 11 Volts, 6
Amps. & 135 Volts, 0.375 Amp. -
J87213A

Electron Tube Type

SD-80605-03 Series Tube Control 115/230
Volts, 50-60 cycles A-C, 130
Volts, 0.1 Ampere DC, J86207B

SD-80606-02 Magnitude Control, 115/230
Volts, 60 Cycles AC, 50 Volts,
8 Amperes Continuous, 10 Amps.
Intermittent DC, Panel Mounted,
J86207J

SD-80606-08 50 Volts, 8 Amperes Continuous,
10 Amperes Intermittent DC,
J86207J

SD-80614-01 Magnitude Control, 190-250
Volts 50-60 Cycles AC, 17-45
Volts, 0.6 Ampere Continuous,
0.6 Ampere Intermittent DC,
J86207A

SD-80616-02 Magnitude Control, 115/230
Volts, 50-60 Cycles AC, 34/48
Volts, 3 Amperes DC, Panel
Mounted, J86207K

SD-80620-03 Phase Shift Control, 230 Volts,
50-60 Cycles AC, 130 Volts,
8 Amperes DC, J86207C

SD-80629-02 Magnitude Control, 190-250
Volts, 50-60 Cycles AC, 48-75
Volts, 0.6 Ampere DC, J86207H

SD-80642-01 Phase Shift Control, 115/230
Volts, 50-60 Cycles AC, 142
Volts, 2 Amperes and Charge
and Discharge Circuit, 130
Volts 1.5 Amperes, 405A Power
Plant for Positive Plate and
Telegraph Supply

SD-80642-02 Phase Shift Control, 115/230
Volts, 50-60 Cycles AC, 142
Volts, 2 Amperes DC and Charge
and Discharge Circuit, 130
Volts 1.5 Amperes, 405A Power
Plant, for 130 Volt Negative
Telegraph Supply, J86207F

SD-80659-02 Magnitude Control, 190-250
Volts, 50-60 Cycles AC, 130
Volts, 0.6 Ampere Continuous,
0.6 Ampere Intermittent DC,
J86207G

SD-80764-01 Magnitude Control, 120/230
Volts, 50-60 Cycles AC, 24/34
Volts, 8 Amperes Continuous,
10 Amperes Intermittent DC,
J86207M

SD-80764-02 Magnitude Control, 120/230
Volts, 50-60 Cycles AC, 24/34
Volts, 8 Amperes Continuous,
10 Amperes Intermittent DC,
Panel Mounted, J86207L

SD-80823-01 Series Tube Control, 110/120
Volts, 50-60 Cycles AC,
150/180 Volts, 0.1 Ampere
Continuous, 0.15 Ampere Inter-
mittent DC, J86207T.

SD-80871-01 Magnitude Control, 115/230
Volts, 50-60 Cycles AC, 130
Volts, 3 Amperes DC, J86207U.

SD-80927-01 Manual Regulation, 105-125
Volts or 190-250 Volts, 50-60
Cycles, 17-65 Volts, 12 Amps.
DC, J86214A

2J RECTIFIER CIRCUITS (Continued)

Electron Tube Type (Continued)

SD-80930-01	Series Tube Control, 105-125 Volts, 50-60 Cycles AC, 180 Volts, 0.1 Ampere DC, 10.1 Volts, 2 Amperes AC, 6.3 Volts, 4 Amperes AC, J86216A	SD-81011-01	150 Volt, 0.25 Ampere, J86225A, B and C
SD-80937-01	Phase Shift Control, 230 Volts, 50-60 Cycles AC, 130 Volts, 8 Amperes DC for resistance loads, J86207W	SD-81012-02	200 Volt, 0.20 Ampere, J86226C
SD-80962-01	Magnitude Control, 130 Volts, 0.2 Ampere DC, J86217A	SD-81013-01	400 Volt, 0.1 Ampere, J86228A and B
SD-80963-01	Series Tube Control, 250 Volts, 0.15 Ampere DC, J86218A	SD-81058-01	300 Volt, 0.6 Ampere, J86219B
SD-80970-01	Series Tube Control, 115 Volts, 60 Cycles AC, 300 Volts, 0.45 Ampere DC, J86219A	SD-81076-01	Auto Regulation 130 Volts - 8 Amperes - For use with Positive or Negative Grounded Batteries, J86240A
SD-80976-01	+275 Volts, 0.25 Ampere DC, -115 Volts, 0.045 Ampere DC, ±6.3 Volts, 4.5 Amperes and 0.5 Ampere, J86221A	SD-81077-01	Automatic Regulation, 130 Volts, 8 Amperes - For use with Battery Sections 130 Volts above Ground, J86240B
SD-81010-01	300 Volt, 0.22 Ampere, J86227A and B	SD-81110-01	150 Volts, 0.25 Ampere, J86225D
SD-81010-03	300 Volts, 0.10 Ampere J86227A	SD-81117-01	200 Volts, 0.25 Ampere, J86226D
		SD-81138-01	Automatic Regulation, 48 Volts, 8 Amperes DC, J86251A
		SD-81217-01	150 Volts, 0.25 Ampere, J86225E
		SD-81405-01	Regulated Tube Rectifier Circuit Constant Current Output, 150 Volts, 0.250 Ampere - J86225F

2K REGULATION AND CONTROL CIRCUIT

Battery Control Circuits

- SD-80838-01 Automatic Switching of Emergency Cells, 22-26 Volts, - 302A Plants
- SD-81022-02 Automatic Switching of Emergency Cells, Positive 125-135 Volts, 50-1000 Amperes - 702C Plant
- SD-81023-02 Automatic Switching of Emergency Cells - Positive and Negative 125-135 Volts 50-1000 Amperes - 702C Plants
- SD-81121-01 Automatic Switching of 48 Volt Emergency Cells, 45-50 Volts - 302A Plants

Charge Control Circuits

- SD-81148-01 M-G Sets and Rectifiers, Automatic Operation, 45-50 Volts - 302A Plants
- SD-81148-02 M-G Sets and Rectifiers, Automatic Operation, 45-50 Volts - 302A Plants
- SD-81175-01 M-G Sets and Rectifiers, Automatic Operation, 22-26 Volts - 302A Plants
- SD-81301-01 130 Volts - 63, 66 or 70 Cell Batteries - 410B Plants

Miscellaneous Control and Regulation Circuits

- SD-80960-01 Type "L" Carrier Telephone Power Control Circuit, Automatic Regulation, For Use With Motor Alternators, 500-2500 Volts, 0.5 Ampere, 60 Cycles - 505C Plants

- SD-80990-01 AC Voltage Regulator Circuit, 30 Volt, 20 Cycle Input, 06 Volt 0.5 Ampere Output, KS-5655
- SD-80999-01 AC Line Voltage Regulator Circuit, 105-125 Volt, 50-60 Cycle Input, 115 Volt, 250VA Output, KS-5650
- SD-81124-01 Regulator Circuit, Voltage Electronic Type, For 20 Cycle Motor Generator Sets, J86246A
- SD-81147-01 Voltage Regulator and Exciter Circuit, Rectifier Type, Electronic Control, For 24 and 48 Volt Motor Generator Set, J86250A
- SD-81150-01 Regulator Circuit, Contact Type Speed and Voltage, J86253A
- SD-81152-01 Power Control for L3 Carrier Telephone, 0-4400 Volts, 60 Cycles Regulated Current 1.5 Amps., 505D Plant
- SD-81164-01 Regulator Circuit, Current-Electronic Type (J86262A)
- SD-81229-01 AC Line Regulator Circuit 115/230V - 60 Cycle Input, 115/230V Cycle Output 750VA-J86268A
- SD-81277-01 Regulator Circuit - Voltage-Contact Type For Use with KS-5133, KS-5510 and KS-5546 Ringing Machines - J86727E
- SD-81305-01 AC Control Circuit - 230 Volt 50/60 Cycle AC Input, 0-270 Volt 9 Ampere Output - J86275A
- SD-81307-01 Regulator Circuit - Constant Current Type - 0.2 to 0.26 Ampere - J86275C
- SD-81333-01 General Start Control and Regulation Circuit - Automatic Start Control - 702C Plant
- SD-81368-01 DC Power Supply Control Circuit - J86283A

2L RINGING CIRCUITS

SD-80517-01	Four-party Selective Superimposed Machine Ringing, 1/2 Ampere Ringing Machines, No. 11 Manual Offices - 805B Plants	SD-80991-01	Superimposing and Positive Tripping Batteries, Four-party Selective Ringing or Eight-party Semi-selective Ringing - 804C & 805C Ringing Power Plant
SD-80594-03	Interrupting and Distributing Equipment, Step-by-Step Offices, 803C Plants	SD-81040-01	Superimposing Batteries, Four-party Full Selective Ringing, Eight-party Semi-selective Ringing
SD-80594-04	Interrupting and Distributing Equipment, Panel and Crossbar Offices - 803C Plants	SD-81041-01	Tripping Supply, Silent Interval Batteries for Four- or Eight-party Superimposed Ringing
SD-80594-06	Interrupting and Distributing Equipment Toll Switching System No. 4 - 803C Plants	SD-81042-01	94-101 Volt Ringing Supply for Dial and Manual Long Lines Circuit
SD-80598-02	Tripping Supply, Silent Interval Tripping Batteries for Four-party Selective Superimposed Ringing - 803C Plants	SD-81069-01	Code Ringing Applique, Auxiliary Interrupting and Distributing Equipment, Crossbar System No. 5 - 803C Plants
SD-80750-01	AC Ringing, KS-5523 Ringing Machine, 755A PBX	SD-81070-01	Ringling No-Voltage Alarm Applique, Crossbar System No. 5 - 803C Plants
SD-80828-01	Modification of SD-80779-01 SD-80780-01, and SD-80781-01 for Use in 35E97 Offices	SD-81101-01	Applique Circuit, Dial Tone Alarm and Transfer, 803 and 804 Type Plants and Similar Ringing Power Plants Equipped with Tone Alternators - J86555N
SD-80841-01	Discharge and Ringing Circuit for Emergency Reporting System, Operated from 105C Power Plant	SD-81131-01	AC-DC or Superimposed Ringing Step-by-Step System Nos. 355A & 356A - 806E Ringing Power Plant
SD-80866-01	AC Continuous Ringing, KS-5523 Regular Machine, KS-5492-01 Reserve Machine	SD-81132-01	Superimposing and Tripping Batteries - 806E and 806F Ringing Power Plants
SD-80884-01	Generator and Interrupting Equipment, Step-by-Step Systems Nos. 350A and 355A, 35E97 and 701A or 711A PBX - 806D Ringing Power Plant	SD-81139-01	Auxiliary Interrupter, 20-Code AC-DC Ringing, Step-by-Step System Nos. 355A, 356A - 806E and 806F Plants
SD-80885-01	Distributing & Control Eqpt., SXS Systems Nos. 1, 350A, 355A & 35E97, and 701A & 711A PBX (A&M Only) and 701B and 711B PBX - 806D Ringing Power Plants	SD-81141-01	Modification of Existing Ringing Power Plants to Add VHF Interference Suppression Filters
SD-80894-01	Extension Cable for Spare KS-5319-01, -02 or -03 Ringing Machine	SD-81143-01	Tone Conversion Circuit for LT1 60 IPM Line Busy Tone and LT1 120 IPM Paths Busy Tone
SD-80895-01	AC-DC or Superimposed Machine Ringing No. 11 Manual System, 806D Ringing Power Plant	SD-81168-01	Generator and Interrupting Equipment SXS System No. 1 and 350A Crossbar Systems Nos. 1 and 5 - 804C Ringing Power Plant
SD-80946-01	AC-DC Ringing, One KS-5319-01, -02, or -03 Ringing Machine		
SD-80978-01	AC-DC or Superimposed Machine Ringing, No. 5 Crossbar System 805C Plant		

2L RINGING CIRCUITS (Continued)

SD-81169-01	Distributing and Control Equipment SXS System No. 1 and 350A Crossbar Systems Nos. 1 and 5 - 804C Ringing Power Plant	SD-81325-01	Ringling and Tone Supply - 756A PBX - J86464D
SD-81202-01	Auxiliary Ringing Supply and the Battery Distributing Circuit, Civil Air Raid Warning System	SD-81329-01	Transistor 20-Cycle Supply - 756A PBX - J86464H
SD-81225-01	AC-DC or Superimposed Ringing SXS System No. 355A - 806F Ringing Power Plant	SD-81331-01	Transistor Transfer and Alarm for 20 and 60 Cycle Supplies - 756A PBX - J86464F
SD-81236-01	105V + AC Cont. Ringing Circuit, 1/2 Amp. Static Ringing Generator With Battery Driven Reserve Machine - 801E Ringing Power Plant	SD-81337-01	AC-DC Ringing 701B, 711B & 740E PBX - 806G Ringing Power Plant
SD-81244-01	800 Type Plants - Interrupter Equipment, 8 Party Semi-Selective and 4-Party Full Selective Superimposed Ringing Plus 5 Code (Type D) SXS System No. 355A - 806E and 806F Plants	SD-81352-01	800 Type Plants - Generator and Control Equipment - KS-15816 Ringing and Coin Control Sets - 803C Ringing Power Plant
SD-81278-01	800 Type Plants - For Absorbing Surges on Machine Ringing Brushes	SD-81355-01	SXS Systems Nos. 1 & 350A, Crossbar Systems Nos. 1 & 5 and Manual System No. 11 - 804D Emergency Ringing Power Plant
SD-81288-01	Interrupter Equipment - 756A PBX - J86464C	SD-81387-01	Ringling Demand Meter Circuit for Use on 1/4, 1/2, 1 and 2 Ampere, 20 Cycle Ringing Plants - J86294
		SD-81449-01	AC-DC Ringing - 608A PBX - Arranged for Battery Reserve Operation
		SD-81488-01	AC-DC Ringing - 608A PBX - Arranged for Batteryless Operation

<u>2M SERVICE CIRCUITS (Motor Starter Circuits)</u>		SD-80981-01	Power Plant for Teletypewriter Switching Unit No. 81C1
SD-80348-01	Connections for Alternating Current Watt Hour Motors With and Without Current Transformer	SD-81095-01	Commercial and Engine Distribution TD-2 Microwave Stations - 425A Plants - J86443
SD-80479-01	Pneumatic Ticket Distributing System, 115 Volt, 60 Cycle Single Phase Heating Units for Use With Distributing Desk No. 51	SD-81140-01	TD-2 Microwave Stations - Using a Single Bay for A-C Distribution - 425A Plants
		SD-81185-01	Three-phase Service
SD-80628-01	300 Type Plants, Power Service Circuit, Three-Phase, AC-DC Duplex Drive Motors	SD-81192-01	Power Plant for 81D1 Teletypewriter Switching System, J86453A
SD-80661-01	Pneumatic Ticket Distributing System, Single Phase, 60 Cycle 115 Volt Motor for Use With Roller Receiving Valve	SD-81192-02	Power Plant for 81D1 Teletypewriter Switching System, J86453A
		SD-81364-01	TH Radio Microwave Stations - J86482
SD-80705-01	Centrifugal Exhausters Per KS-5265-03 and KS-5405-01, Toll Power Plants	SD-81365-01	Power Service and Distribution Circuit for Remote TJ Radio Stations

2N SIGNALLING CIRCUITS

SD-80596-01	135-Cycle Supply For Crossbar Number Checking-Automatic Transfer of Load	SD-80886-01	Tone Supply, Static Frequency Generators and Drum Inter- rupters - 806D Plants
SD-80707-01	60 and 120 IPM, KS-5545 Interrupter	SD-80989-01	Tone Supply, Static Frequency Generators, Emergency Alter- nator Reserve - 805C Plants
SD-80769-01	Tone Supply Using Regular and Reserve Statis Frequency Generators, Manual Offices	SD-81171-01	Howler Interrupter KS-15547 Machine J86726E
SD-80771-01	30, 60, and 120 IPM Interrupter	SD-81288-01	Ringin Circuit, Interrupter Equipment - 756A PBX- J86464C
		SD-81328-01	Transistor Low Tone Supply - 756A PBX - J86464G

2P SUPPLY CIRCUITS

SD-80324-01	AC Busy and Idle Indicating Lamps, Toll Switchboards No. 1 and No. 3, Toll Tandem Switchboards No. 1 and No. 3, Teletypewriter Switchboards No. 1A and 3A, "A" Switchboard No. 15C - 501A 5/11.5 Volt, 236/174 Ampere Power Plant	SD-80846-01	0.1 KVA, 12 Volt AC Supply - 506A Plants
SD-80523-01	Connections for Direct Current Watt Hour Meters With and Without Shunts	SD-80856-01	Emergency Power Supply Circuit, .05 KVA, Converter Operating from 24 Volt, 38 Volt or 48 Volt Battery - 504A Plants
SD-80598-02	Ringing Circuit and Tripping Supply, Silent Interval Tripping Batteries for 4-Party Selective Superimposed Ringing - 803C Plants	SD-80863-02	60 Volt AC Supply Circuit, K2 Carrier Amplifier, Regular and Emergency Filament Supply - 420A Plants
SD-80652-01	55 Volt AC, Emergency 115 Volt AC and 24 Volt DC for Pilot Channel Equipment, "C", "J" and "K1" Carrier Telephone and for Toll Swbd. Sys. - No. 4, A4A, and 4A Marker Continuity Test Supply - 420A and 420B Plants	SD-80881-01	0.75 KVA, 22 Volt, 50/60 Cycle AC Supply for Filaments, etc., Normally on AC With Reserve from 24 Volt Battery, J86724D - 506A Plants
SD-80724-02	AC Operated C1 Carrier Telephone Repeaters and C5 Carrier Telephone Terminals	SD-80892-01	K2 Carrier Telephone Grid Battery Supply Circuit for Line or Transmitting Amplifiers, -7-1/2, -16-1/2 and -25-1/2 Volts
SD-80760-01	Positive or Negative 130 Volt, 0.6 Amp. Supply With or Without Dry Battery Reserve - 403A Plant	SD-80918-01	K2 Carrier Telephone Grid Battery Supply Circuit for Twist Amplifiers, +3, -3, -7-1/2, -16-1/2, -25-1/2 and -45 Volts
SD-80770-01	AC Busy and Idle Line Indicating Lamps, 11.7 and 59 Amperes 5-8.5 Volts 60-Cycle AC - 501A Plants	SD-80929-01	50VA, 0.25, 0.5, 0.75 and 1.5 KVA, 22 Volt AC Supply - 506A Plants
SD-80791-01	24 Volt, 8 Ampere Regulated Filament (4 Ampere Maximum) and Signal Supply Without Battery Reserve	SD-80936-01	8 Amp. Positive, 3 Amp. Negative 130 Volt Supply Without Battery Reserve
SD-80810-01	10 IPM	SD-80989-01	Signaling Circuit and Tone Supply, Static Frequency Generators, Emergency Alternator Reserve - 805C Ringing Power Plant
SD-80816-01	130 Volt, 0.1 Ampere Supply With or Without Dry Battery Reserve, Grounded or Non-grounded - 403B Plant	SD-80993-01	-130 Volts, 0.6 Ampere Signaling Supply With Dry Cell Reserve - 805C Ringing Power Plants
SD-80844-01	Emergency Power Supply Circuit With Automatic Transfer from Regular Supply, 0.11-1.0 KVA Converters Operating from 24 or 48 Volt Battery - 504A Plant	SD-81001-01	Regulator, Regulated Filament Supply Circuit, 6.3 Volts AC or DC, 30VA AC, J86223
SD-80845-01	Emergency Power Supply Circuit 0.2 and 0.75 KVA, 115 Volt, 60 Cycles AC, from 130-150 Volt Battery With Automatic Transfer from Regular Supply - 504A Plants	SD-81026-01	AC Power Supply Circuit With Automatic Transfer from Regular to Emergency Supply - 504B Plants
		SD-81038-01	"L1" Carrier Telephone, 230 Volt, 60 Cycle Power Supply Circuit, 2-Motor Alternator Automatic Control - 505C Plants
		SD-81051-01	Accounting Center No. 1 Power Supply Circuit, -52 Volt and 130 Volt Supply

2P SUPPLY CIRCUITS (Continued)

- SD-81052-01 Accounting Center No. 1 Power Supply Circuit 120V, 1-Phase, 208V, 3-Phase, 60 Cycles, AC
- SD-81073-01 Video Transmission 115 Volt, 60 Cycle Power Supply Circuit - 505C Plants
- SD-81081-01 25 Volt, 1.5 Ampere Regulated Battery Supply
- SD-81082-01 400 Type Plants, 130 Volt, 0.180 Ampere Supply with Dry Battery Reserve - 403C Plant
- SD-81097-01 AC Power Supply Circuit With Automatic Transfer from Regular to Emergency Supply, 1.5 and 5 KW, 115 Volts - 504B Plants
- SD-81133-01 AC Power Supply Circuit With Automatic Transfer from Regular to Emergency Supply, 22 Volts, 50VA, 60 Cycles - 507A Plants
- SD-81135-01 Low Voltage DC and 60 Cycle AC With Provision for 20 Cycle Ringing, J86731A & D - 101G Plants
- SD-81149-01 L3 Carrier Telephone 230V, AC Power Supply - 2 Motor Alternator Automatic Control - 505D Plants
- SD-81153-01 12, 130 and 250 Volt Supplies Without Battery Reserve, J86450 - 425B Plant
- SD-81159-01 Inverter Circuit, Vibrator Type, Automatic Regulation, 130 Volts, 7.5 Amperes DC, 117 Volts, 0.75 KVA AC, KS-15574
- SD-81161-01 12V, 130V and 250V With Vibrator Standby for TD-2 Secondary Routes, J86450 - 425B Plant
- SD-81196-01 Pole Mounted 130V, 0.42 to 0.84 Ampere With Automatic Transfer for Type "O" Carrier Repeaters - J86454
- SD-81240-01 J86459A
- SD-81240-02 J86459A, List 2
- SD-81284-01 60 Volts, 60 Cycles, 600 VA With Vibrator Standby Operation from 130 or 152 Volt Battery - J86737A
- SD-81298-01 Inverter Rectifier Circuit - Vibrator Type - Automatic Regulation - Output 130 Volts DC, 0.5 Amp., Input 115 Volts, 60 Cycles or 48 Volts DC - KS-15737
- SD-81308-01 Repeated Submarine Cable, Positive 2800V, 225-250MA Regulated DC Supply - J86467A
- SD-81309-01 Repeated Submarine Cable, Negative 2800V, 225-250MA, Regulated DC Supply - J86467B
- SD-81324-01 101G Power Plants - Regulated 10.5 Volts, 60 Cycles AC - J86731B
- SD-81326-01 756A PBX - J86464
- SD-81330-01 Transistor 60 Cycle Supply - 756A PBX - J86464J
- SD-81332-01 Power Plants General - KS-15786 Transformer Connected as Autotransformer for Modifying AC Line Voltage
- SD-81334-01 101J Power Plant - 18 or 24 Volts, 4 Amps. DC, 18 Volts, 1.6 Amps. AC, 10 Volts, 5 Amps. AC - J86471
- SD-81338-01 For TH Radio Traveling Wave Tubes, 2800V-30MA, 1200V-100MA, J86474A
- SD-81339-01 +600V, 80MA; +400V, 50MA; +200V, 400MA; -400V, 7MA - TJ Radio - J86473
- SD-81339-02 +600V, 75MA; +400V, 50MA; +200V, 400MA; -400V, 7MA - TJ Radio - J86473
- SD-81350-01 500 Type Plants - 2 Motor Alternator Automatic Control, Synchronous AC and 130V DC Motors - 230V Alternator - 508A Plants
- SD-81351-01 Vibrator - Rectifier 130V, 0.5A DC from 115V AC or DC
- SD-81371-01 Repeated Submarine Cable, Positive or Negative 2800V, 225-250MA - Regulated DC Supply for Shipboard or Land Use - J86467C
- SD-81423-01 101G Power Plants - 20 Cycle Ringing - J86731C
- SD-81442-01 +220V, 0.500A Automatic Regulation, +135V, 0.375A Manual Regulation, -11V, 10A Manual Regulation; +110V AC, 0.001A Unregulated TH Radio - J86487A

2P SUPPLY CIRCUITS (Continued)

SD-81443-01	+450V, 0.120A Automatic Regulation -170V, 0.004A Automatic Regulation -11V, 2.0A Manual Regulation TH Radio - J86488A	SD-81486-01	101J Power Plant, 18 or 24 Volts, 4 Amps. DC, 18 Volts, 1.6 Amps. AC, 10 Volts, 5 Amps. AC - J86471B
SD-81456-01	±15 Volts, 0.5 Amp. DC Rectifier, 20 V, 1.0A AC, 48V, 0.2A AC - J86489A	SD-81495-01	Neg. 48 Volt Batteryless Supply, 30, 60 or 90 Amps., Rectifiers in Duplicate With Failure Protection - J86494C
SD-81481-01	+130 or -130 Volts, 5 Amps. Batteryless Supply Rectifiers in Parallel, Diode Blocking Protection - J86494B	SD-81496-01	608A PBX with No Battery Reserve - J86495A
SD-81485-01	Neg. 24 Volt Batteryless Supply, 30, 60 or 90 Amps., Rectifiers in Duplicate with Failure Protection - J86494A	SD-81497-01	608A PBX With Battery Reserve - J86495B
		SD-81507-01	-600V, 100 MA -400V, 100 MA 10.5V, 1.76A -20V, 0.75A -27.6V, 500 MA 43.0V, 10 MA (1800 Cycles) TL Radio J86499

2R MISCELLANEOUS

SD-81310-01 Repeatered Submarine Cable
High Current Protection
Relays - J86469

SD-81311-01 Protection Circuit - Repeater-
ed Submarine Cable High
Voltage Protection Relays

SD-81313-01 Test Circuit for Current Re-
lays and Magnetic Amplifiers -
Repeatered Submarine Cable

SD-81314-01 Calibrating Cct. for Cable
and Ground Return Current
Meters - Submarine Cable Power
Supply - J86276A

SD-81425-01 TH Radio Tube Cooling System,
Blower and Control Circuit

SD-81461-01 Power Application Schematic -
TH Radio J86483

2S CIRCUIT PACKAGE SCHEMATICS

SD-81279-01 Regulator for 50V Magnitude
Control Rectifiers - 163A

SD-81411-01 824 Network

SD-81452-01 Regulator Circuits - 300A
Control, 224A Amplifier, 57A
Detector

3. CODED PLANT LISTING

<u>Coded Plant</u>	<u>SD No.</u>	<u>Classified</u>	<u>Coded Plant</u>	<u>SD No.</u>	<u>Classified</u>
101A	SD-80696-01	2C	303A	SD-81448-01	2C
	SD-80697-01	2C		SD-81472-01	2A
	SD-81118-01	2C		SD-81478-01	2J
101D	SD-80698-01	2C	403A	SD-80760-01	2P
101E	SD-80733-01	2C	403B	SD-80816-01	2P
101F	SD-80740-01	2C	403C	SD-81082-01	2P
101G	SD-81135-01	2P	405A	SD-80642-01	2J
	SD-81324-01	2P		SD-80642-02	2J
	SD-81423-01	2P	410A	SD-80942-01	2D
				SD-80943-01	2B
101J	SD-81334-01	2P	410B	SD-81016-01	2B
	SD-81486-01	2P		SD-81293-01	2C
102F	SD-81303-01	2C		SD-81294-01	2C
	SD-81319-01	2C		SD-81295-01	2C
	SD-81353-01	2C		SD-81301-01	2K
102G	SD-81508-01	2C		SD-81302-01	2J
				SD-81542-01	2B
103B	SD-80683-01	2C	420A	SD-80652-01	2P
	SD-80759-01	2D		SD-80863-01	2P
	SD-80859-01	2C		SD-80913-01	2D
105C	SD-80841-01	2D, 2L		SD-80914-01	2B
				SD-80915-01	2D
105D	SD-81134-01	2C	420B	SD-80652-01	2P
110A	SD-80720-02	2D		SD-80913-01	2D
	SD-80722-02	2B		SD-80915-01	2D
	SD-80753-01	2D	425A	SD-81084-01	2C
	SD-80755-01	2B		SD-81085-01	2C
	SD-81180-01	2J		SD-81086-01	2C
	SD-81210-01	2D		SD-81094-01	2G
	SD-81270-01	2B		SD-81095-01	2M
	SD-81271-01	2C		SD-81111-01	2E
				SD-81140-01	2M
110B	SD-81181-01	2J	425B	SD-81153-01	2P
	SD-81211-01	2B		SD-81161-01	2P
	SD-81212-01	2D		SD-81167-01	2C
111A	SD-81424-01	2C	426A	SD-81137-01	2C
	SD-81466-01	2C			
	SD-81501-01	2C	501A	SD-80770-01	2P
301C	SD-81155-01	2B	504A	SD-80844-01	2P
302A	SD-80838-01	2K		SD-80845-01	2P
	SD-80965-01	2C		SD-80856-01	2P
	SD-80966-01	2D	504B	SD-81026-01	2P
	SD-81060-01	2A		SD-81097-01	2P
	SD-81061-01	2A			
	SD-81121-01	2K	505C	SD-80960-01	2K
	SD-81148-01	2K		SD-81038-01	2P
	SD-81148-02	2K		SD-81073-01	2P
	SD-81155-01	2B			
	SD-81160-01	2B	505D	SD-81149-01	2P
	SD-81175-01	2K		SD-81152-01	2K
	SD-81184-01	2B			

3. CODED PLANT LISTING (Cont'd)

<u>Coded Plant</u>	<u>SD No.</u>	<u>Classified</u>	<u>Coded Plant</u>	<u>SD No.</u>	<u>Classified</u>
506A	SD-80846-01	2P	804C	SD-80991-01	2L
	SD-80881-01	2P		SD-81101-01	2L
	SD-80929-01	2P		SD-81168-01	2L
507A	SD-81133-01	2P		SD-81169-01	2L
				SD-81170-01	2A
508A	SD-81350-01	2P	804D	SD-81355-01	2L
702C	SD-80995-02	2A	805B	SD-80517-01	2L
	SD-81004-02	2C			
	SD-81015-02	2D	805C	SD-80978-01	2L
	SD-81022-02	2K		SD-80989-01	2N, 2P
	SD-81023-02	2K		SD-80990-01	2A
	SD-81333-01	2K		SD-80991-01	2L
	SD-81335-01	2B		SD-80992-01	2C
	SD-81336-01	2B		SD-80993-01	2P
	SD-81477-01	2B			
704B	SD-80776-01	2C	806D	SD-80884-01	2L
704C	SD-80722-02	2B		SD-80885-01	2L
	SD-80774-01	2D		SD-80886-01	2N
	SD-80775-01	2A		SD-80893-01	2A
801E	SD-81236-01	2L		SD-80895-01	2L
			806E	SD-81131-01	2L
				SD-81132-01	2L
803C	SD-80594-03	2L		SD-81139-01	2L
	SD-80594-04	2L		SD-81244-01	2L
	SD-80594-06	2L	806F	SD-81132-01	2L
	SD-80598-02	2L, 2P		SD-81139-01	2L
	SD-80731-01	2A		SD-81225-01	2L
	SD-80800-01	2A		SD-81244-01	2L
	SD-81069-01	2L	806G	SD-81337-01	2L
	SD-81070-01	2L			
	SD-81101-01	2L	900	See Section	2F
	SD-81352-01	2L			

4. LIST OF CHANGES

<u>Dwg. No.</u>	<u>Added</u>	<u>Removed</u>	<u>Title Changed</u>
SD-80325-01		✓	
SD-80383-01		✓	
SD-80646-01		✓	
SD-80742-01		✓	
SD-80786-01		✓	
SD-80787-01		✓	
SD-80789-01		✓	
SD-80790-01		✓	
SD-80795-01		✓	
SD-80796-01		✓	
SD-80801-01		✓	
SD-80909-01			✓
SD-81034-02		✓	
SD-81050-01		✓	
SD-81079-01		✓	
SD-81095-01			✓
SD-81118-01			✓
SD-81119-01		✓	
SD-81122-01		✓	
SD-81135-01			✓
SD-81146-01		✓	
SD-81148-02	✓		
SD-81152-01			✓
SD-81168-01			✓
SD-81169-01			✓
SD-81272-01		✓	
SD-81273-01		✓	
SD-81295-01			✓
SD-81350-01			✓
SD-81449-01	✓		
SD-81463-01			✓
SD-81487-01	✓		
SD-81490-01	✓		
SD-81491-01	✓		
SD-81492-01	✓		
SD-81493-01	✓		
SD-81499-01	✓		
SD-81501-01	✓		
SD-81506-01	✓		
SD-81507-01	✓		
SD-81508-01	✓		
SD-81509-01	✓		
SD-81510-01	✓		
SD-81511-01	✓		
SD-81512-01	✓		
SD-81536-01	✓		
SD-81538-01	✓		
SD-81539-01	✓		
SD-81542-01	✓		