

APPROVED FOR PUBLIC RELEASE. CASE 06-1104.

BLOCK
DISPOSALS

37000-37499

62

APPROVED FOR PUBLIC RELEASE. CASE 06-1104.

37000

DRAWING NUMBER	TITLE	USED IN	ORIGI-NATOR	DRAWN BY	ENG'G. APPROVAL	GRADED			CLASS	REMARKS
						1	2	3		
B-37000	✓ Symbols for Block Diagrams		PDT	PDT 6-12-46						OBSOLETE
B-37001	✓ Parallel Digit Computer Codes BLOCK DIAGRAM SYMBOLS, WWI		FES RPM	FES 2-27-47	R4	RCC 7-29-49	RRE 1-17-51			MN
37002				"						
37003										
37004										
37005										
37006										
37007										
37008										
B-37009	✓ Decoder (DC)		PDT	T Leary 9-11-46						OBSOLETE
B-37010	✓ Flip Flop (FF)		"	T Leary 12-12-46						OBSOLETE
B-37011	✓ Gate Tube (GT)		"	T Leary 6-12-46						OBSOLETE
B-37012	✓ Gate Generator (GG)		"	T Leary 6-19-46						
B-37013	✓ Electronic Switch (ES)		"	T Leary 6-19-46						
B-37014	✓ Pulse cutoff (PC)		"	T Leary 6-19-46						
B-37015	✓ Basic Adder		"	T Leary 6-19-46						OBSOLETE
B-37016	✓ Adding Element		"	D.L.O. 5-20-46						OBSOLETE
B-37017	✓ Complementer (CC)		"	T Leary 6-13-46						OBSOLETE
C-37018	✓ Basic Multiplier		"	T Leary 6-13-46						OBSOLETE
C-37019	✓ Multiplier Type 1		"	T Leary 6-26-46						OBSOLETE
C-37020	✓ Storage tube (ST)		"	T Leary 6-18-46						

29

APPROVED FOR PUBLIC RELEASE. CASE 06-1104.

37021

DRAWING NUMBER	TITLE	USED IN	ORIGI-NATOR	DRAWN BY	ENG'G. APPROVAL	GRADED			CLASS.	REMARKS
						1	2	3		
✓ C- 37021	✓ Oscilloscope Reader (OR)		PDT	T Leary 5-24-46						✓ OBSOLETE ✓
✓ B- 37022	✓ Basic computing Element		"	D.H.O. 5-20-46						✓ OBSOLETE ✓
✓ C- 37023	✓ Computing Element Type 1		"	T Leary 5-22-46						✓ OBSOLETE ✓
✓ B- 37024-1A	✓ Composition of standard orders		"	Tilton 6-6-46						✓ OBSOLETE ✓
✓ B- 37025-3	✓ Time cycle for computer Type 1A		"	T Leary 6-20-46						✓ OBSOLETE ✓
✓ B- 37026	✓ Program selector type 1		"	T Leary 6-19-46						
✓ B- 37027-3	✓ Flip Flop Register		"	T Leary 10-19-46						✓ OBSOLETE ✓
✓ B- 37028-1	✓ Proposed Data Reader		"	D.H.O. 7-31-46						✓ OBSOLETE ✓
✓ B- 37029-1	✓ Accumulator		"	D.H.O. 10-15-46						✓ OBSOLETE ✓
✓ D- 37030	✓ Computer System Type 1A		"	T Leary 7-5-46						✓ OBSOLETE ✓
✓ C- 37031	✓ Binary counter register		"	T Leary 10-31-46						
✓ C- 37032	✓ Frequency Divider		"	T Leary 11-4-46						
✓ B- 37033	✓ Repeat Switch PPC		"	P.D.T. 12-27-46						Preliminary design
✓ B- 37034	✓ Computing Element PPC		"	P.D.T. 12-27-46						"
✓ B- 37035	✓ Master clock PPC		"	P.D.T. 12-27-46						"
✓ B- 37036	✓ Storage PPC		"	P.D.T. 12-27-46						"
✓ C- 37037	✓ Operation Control		"	P.D.T. 1-22-47						"
✓ B- 37038	✓ Program Timing		"	P.D.T. 1-22-47						Preliminary design
✓ B- 37039	✓ PPC Timing - Preliminary		"	P.D.T. 1-16-47						"
✓ C- 37040	✓ PPC System		"	P.D.T. 1-3-47						"
✓ B- 37041	✓ Flip Flop Register System		"	P.D.T. 1-30-47						Preliminary design

29

37042

DRAWING NUMBER	TITLE	USED IN	ORIGI-NATOR	DRAWN BY	ENG'G. APPROVAL	GRADED			CLASS.	REMARKS
						1	2	3		
B-37042	✓ A Register Section - PPC		PDT	PDT						Primary Issue
✓ C-37043	✓ Storage Chassis Arrangement PPC		"	PDT						"
B-37044	✓ Pre-Prototype Computer Timing Diagram (aa)		"	PDT						Primary Issue
B-37045	✓ Pre-Prototype Computer Timing Diagram (ca)		"	PDT						"
B-37046	✓ Pre-Prototype Computer Timing Diagram (bs)		"	PDT						"
B-37047	✓ Pre-Prototype Computer Timing Diagram (cs)		"	PDT						"
B-37048	✓ Pre-Prototype Computer Timing Diagram (da)		"	PDT						"
B-37049	✓ Pre-Prototype Computer Timing Diagram (ea)		"	PDT						"
B-37050	✓ Pre-Prototype Computer Timing Diagram (fs)		"	PDT						"
B-37051	✓ Pre-Prototype Computer Timing Diagram (sa)		"	PDT						"
B-37052	✓ FLIP FLOP STORAGE CONTROL		"	PDT						"
B-37053	✓ Storage output section		"	PDT						"
B-37054	✓ Timing Diagram - Operation		"	PDT						"
B-37055	✓ Accumulator - PPC		"	PDT						"
B-37056	✓ Section of A register WW-1 301 BLOCK DIAGRAM 301, A REGISTER WW-1	G. COOPERS THESIS	FES EIB	J. M. HUGHES	EIB	RRE				B REDUCTION
B-37057-5	✓ Section of a Flip Flop Storage WW-1 - 203 BLOCK DIAGRAM FLIP FLOP STORAGE REGISTER 203 WW-1		EIB	J. M. HUGHES	EIB	RRE				B REDUCTION
B-37058-1	✓ Master clock 101		"	F. W. HOLBY						OBSOLETE
B-37059	✓ Repeat Switch WW-1 105		"	F. W. HOLBY						OBSOLETE
B-37060-6	✓ Storage output section WW-1 203 BLOCK DIAGRAM, FLIP-FLOP STORAGE OUTPUT 203 WW-1		EIB	J. M. HUGHES	EIB	RRE				B REDUCTION
B-37061-8	✓ Flip Flop Storage Control WW-1 203 BLOCK DIAGRAM FLIP FLOP STORAGE CONTROL 203 WW-1		"	J. M. HUGHES	EIB	RRE				
B-37062-1	✓ Program Counter WW-1 105 BLOCK DIAGRAM 102	G. COOPERS THESIS	EIB	J. M. HUGHES	EIB	RRE	RRE			WASTE SIZE

29

DRAWING NUMBER	TITLE	USED IN	ORIGI-NATOR	DRAWN BY	ENG'G. APPROVAL	GRADED			CLASS.	REMARKS
						1	2	3		
D- E- 37063-5	Accumulator Sections WWI 200 1 to 14		FES EIB	JANTZ F. W. H. J. 3-10-47	EIB		RRE			-Charlotte- B REDUCTION ✓
C- 37064-2	Storage chassis Arrangement WW-1 200		"	F. W. H. J. 3-10-47						B REDUCTION ✓ OBSOLETE - SUP BY C-37116
C- B- 37065-2	Check Register WWI 601 SECTIONS		EIB	AC. HUGH 1-25-48	EIB					OBSOLETE - SEE B-39816 B REDUCTION ✓
B- B- 37066-6	32 pos Matrix Switch BLOCK DIAGRAM CONTROL SWITCH WWI		J. SALZER	P. GRIFFIN 5-23-49	EIB		RRE	RRE		WAS "C" SIZE B REDUCTION ✓
C- B- 37067-5	Program Register WWI BLOCK DIAGRAM 103, PROGRAM REGISTER, WWI		"	SAMUEL 8-22-47	SALZER		RRE	RRE		OBSOLETE B REDUCTION ✓
B- B- 37068-6	Pulse Distributor BLOCK DIAGRAM 106 TIME PULSE DISTRIBUTOR, WWI	G. COOPER'S THESIS	RPM	F. W. H. J. 2-23-49	SALZER		RRE			B REDUCTION ✓ -6
C- B- 37069-3	B- Register Section WWI 203 SECTIONS 2 TO 13		EIB	WOLBY JANTZ 3-27-47	EIB		RRE			B REDUCTION ✓
B 37070-2	Bus Connections WWI		"	WOLBY 3-31-47						OBSOLETE SUPER BY C-37124
D E 37071-2	System Block Diagram, WWI	G. COOPER'S THESIS	PDT RPM	JANTZ 3-4-47			RRE	RRE	CONFIDENTIAL UNCLASSIFIED 1-29-49	B REDUCTION ✓
D E 37072-2	Arithmetic Element WWI 200 BLOCK DIAGRAM, 100 ARITHMETIC ELEMENT, WWI	E-88 G. COOPER'S	FES EIB	P. GRIFFIN 2-21-49			RRE	RRE	CONFIDENTIAL UNCLASSIFIED 1-29-49	B REDUCTION ✓ -12
B 37073-2	Control Functions WWI	THESIS	PDT	FES 4-17-47						OBSOLETE - SUPER BY A-31614-1
B 37074-2	Step Counter WWI 205 BLOCK DIAGRAM 305, STEP COUNTER WWI	R-126-E-102 G. COOPER'S THESIS	PDT RPM	WOLBY 3-16-47	CONFIDENTIAL		RRE	RRE		B REDUCTION ✓ -9
B 37075-2	Program Timing Matrix WWI 108		"	WOLBY 4-14-47	RPM					
B 37076-3	Time-pulse distributor Control WW-1 106		"	WOLBY 4-16-47	RPM					SUPERSEDES D-31387 - B-REDU ✓
C- C- 37077-3	WW-1 op cont I General		"	WOLBY 4-4-45						B REDUCTION ✓ OBSOLETE ✓
C- C- 37078-2	WW-1 op cont II (Arithmetic element)	G. COOPER'S THESIS	"	WOLBY 4-7-47						B REDUCTION ✓ OBSOLETE ✓
B 37079-2	Summary list of Block Diagrams WWI		"	FES 4-18-47						OBSOLETE ✓
B 37080-3	Timing Diagram WWI (200 no) FOR ADD		"	FES, FB 4-17-47	RPM		RRE			OBSOLETE - SUPER BY B-37209
B 37081-2	TIMING FOR (clear + add)		"	FES, FB 3-23-48	RPM		RRE			OBSOLETE - SUPERSEDED BY B-37207
B 37082-3	TIMING FOR SUBTRACT (subtract so)		"	FES, FB 4-17-47	RPM		RRE			OBSOLETE - SUPERSEDED BY B-37210
B 37083-3	TIMING FOR (clear + subtract)		"	FES, MCHM 4-17-47	RPM		RRE			OBSOLETE - SUPERSEDED BY B-37208

37084

DRAWING NUMBER	TITLE	USED IN	ORIGI-NATOR	DRAWN BY	ENG'G. APPROVAL	GRADED			CLASS.	REMARKS
						1	2	3		
B-37084- 2	Timing Diagram ^{FOR} WWT Multiplier Roundoff int		FES RPM	J. McHugh 3-23-48 4-17-47	RPM	RRE				OBsolete - SUPERSEDED BY B-37214
B-37085- 2	Timing Diagram WWT (Multiply + Hold mb) FOR MULTIPLY HOLD FULL PRODUCT (Transfer to storage to)		RPM	FES McHugh 3-23-48 4-17-47	RPM	RRE				OBsolete - SUPERSEDED BY B-37215
B-37086- 3	Diagram WWT TRANSFER TO STORAGE		"	FES FB 3-23-48 4-17-47	RPM	RRE				OBsolete - SUPERSEDED BY B-37202
B-37087- 3	Timing Diagram WWT (Store + FOR Display sd) STORE + DISPLAY		RPM	FES McHugh 3-23-48 4-17-47	RPM	RRE				OBsolete
B-37088- 2	Timing Diagram WWT (Shift Right sr) FOR SHIFT RIGHT		RPM	FES FB 3-23-48 4-17-47	RPM	RRE				OBsolete - SUPERSEDED BY B-37218
B-37089- 2	Timing Diagram WWT (Shift Left sl) FOR SHIFT LEFT		RPM	FES FB 3-23-48 4-17-47	RPM	RRE				OBsolete - SUPERSEDED BY B-37217
B-37090- 4	Timing Diagram WWT (Subprogram sp)		RPM	FES FB 3-23-48 4-17-47	RPM	RRE				OBsolete - SUPERSEDED BY B-37206
B-37091- 3	Timing Diagram WWT (Compare cp) FOR CONDITIONAL PROGRAM		RPM	FES FB 3-23-48 4-17-47	RPM	RRE				OBsolete - SUPERSEDED BY B-37205
B-37092- 3	Timing Diagram WWT (Transfer Rights tr) FOR TRANSFER DIGITS		RPM	FES FB 3-23-48 4-17-47	RPM	RRE				OBsolete - SUPERSEDED BY B-37203
B-37093- 2	(Special Add sa) Timing Diagram WWT TIMING FOR SPECIAL ADD		RPM	FES FB 3-23-48 4-17-47	RPM	RRE				OBsolete - SUPERSEDED BY B-37212
B-37094- 4	Timing Diagram WWT (Divide dv) FOR DIVIDE		RPM	FES McHugh 3-23-48 4-17-47	RPM	RRE				OBsolete - SUPERSEDED BY B-37216
B-37095- 1	Timing Diagram WWT ()		"	FES 4-17-47						
B-37096- 5	Accumulator Sections AG-0 AC-15 WWT 302 0+15		EIB	W. L. ... 2-4-48 3-23-47	EIB	RRE				OBsolete - B REDUCTIONS
B-37097- 7	B-Register Sections 0, 1, 14, 15, WWT 303 BLOCK DIAGRAM, 303 B-REG, WWT	G. COOPER'S THESIS B-REG, WWT	EIB	J. ANGELO 1-18-48 3-23-47	SALZMAN	RRE	R.R.E.			B REDUCTIONS
B-37098- 8	Control WWT 100 BLOCK DIAGRAM, 100, CENTRAL CONTROL, WWT	G. COOPER'S THESIS	RMAYER	RMAYER 3-23-47	RMAYER	RRE	R.R.E.			CONFIDENTIAL DECLASSIFIED
C-37099	Arithmetic Element. ca WWT 300 " CLEAR AND ADD	R-127	RRE		RRE					CONFIDENTIAL UNCLASSIFIED 12-29-49
C-37100	" " " ad " " " ADD	"	"		"					OBsolete
C-37101	" " " cs " " " CLEAR AND SUBTRACT	"	"		"					OBsolete
C-37102	" " " su " " " SUBTRACT	"	"		"					OBsolete
C-37103	" " " mr 9mh " " MULTIPLY AND ROUND OFF DIVIDEND AND HOLD FULL PRODUCT	"	"		"					OBsolete
C-37104- 1	DIVIDE " dv " " DIVIDE	"	EIB	McHUGH 1-27-48	EIB					OBsolete B REDUCTIONS

29

37126

DRAWING NUMBER	TITLE	USED IN	ORIGINATOR	DRAWN BY	ENG'G. APPROVAL	GRADED			CLASS.	REMARKS
						1	2	3		
B-37126-1	TIMING AUTOMATIC SUB-PROGRAM A		RPM	J. McHugh 3-25-48	RPM	RRE 5-5-48				OBsolete
B-37127-1	" " " "		"	" 3-23-48	"	RRE 5-5-48				OBsolete
B-37128-1	" " " "		"	"	"	RRE 5-5-48				OBsolete
B-37129-1	PRELIMINARY TIMING FOR SCALE FACTOR		"	"	"	RRE 5-5-48				OBsolete
B-37130-1	" " REMOVE ORDER		"	"	"	RRE 5-5-48				OBsolete - SUPERSEDED BY B-37219
B-37132-1	TIMING FOR ADD MAGNITUDE		" "	F.B. 3-23-48	"	RRE 5-5-48				OBsolete
B-37133-1	" " CLEAR & ADD MAGNITUDE		" "	F.B. "	"	"				OBsolete - SUPERSEDED BY B-372-11
B-37134-1	Timing for NEGATIVE MAGNITUDE		" "	F.B. 3-23-48	"	RRE 5-5-48				OBsolete
C-37135-1	OPERATION MATRIX I		"	F. WOLSKY 3-16-48	"	RRE 5-5-48				OBsolete - SUPER BY D-37192, D-37193, D-37194
C-37136-1	" " II		"	" 3-16-48	"	RRE 5-5-48				OBsolete - SUPER BY D-37192, D-37193, D-37194
C-37137-1	" " III		"	"	"	RRE 5-5-48				OBsolete - SUPER BY D-37192, D-37193, D-37194
C-37138-1	" " IV		"	"	"	RRE 5-5-48				OBsolete - SUPER BY D-37192, D-37193, D-37194
B-37139-1	TIMING FOR SUBTRACT MAGNITUDE		RPM	J. McHugh 3/25/48	RPM	RRE 5-5-48				OBsolete
A-37140-1	DIGIT COLUMN OF AC	E. BLUMENTHAL R-163 THESIS M-335	E. B.	J. ANTU 3-30-48	E. B.					OBsolete
B-37141-1	TROUBLE-LOCATION INDICATOR	G. HOBERG THESIS R-163	G. G. H.	F. WOLSKY 4-7-48	G. G. H.					SEPIA HELD BY MR ULMAN
B-37142-1	CONVERSION OF BINARY NO. TO SHAFT POSITION (FIG 1b)	SARD THESIS PROPOSAL M-348	SARD	P.W. 4-8-48	SARD					
B-37143-1	TEST SETUP FOR CONVERSION 7-DIGIT BINARY NO. TO VOLTAGE AMPLITUDES (2)	" M-348	"	"	"					
B-37144-1	WAVE FORMS OF INTEGRATOR & ASSOCIATED CIRCUITS (3)	" M-348	"	"	"					
B-37145-1	TIMING SOURCE (4)	" M-348	"	"	"					
B-37146-1	DECODER (FIG 1)	" M-348	"	"	"					

29

37147

DRAWING NUMBER	TITLE	USED IN	ORIGI-NATOR	DRAWN BY	ENG'G. APPROVAL	GRADED			CLASS.	REMARKS
						1	2	3		
B-37147	INITIATOR & ASSOCIATED CIRCUITS - BLOCK DIAGRAM (FIG 6)	SARD'S THESIS PROPOSAL M348	SARD	PW	SARD					
D-37148	CIRCUIT SCHEMATIC, GATE DELAY UNIT, MODEL #1	E-121	HK	DLO	HK		NHT			From SB-39661 PARTS LIST 76 MN
A-37149	TEST SET-UP FOR BA-1		RHG	RHG						OBSOLETE
A-37150	BLOCK DIAGRAM OF EQUIP. FOR DEMONSTRATION OF BINARY-NO. RECORDING	ES RICH THESIS P-159	ESR	FB						
A-37151	BLOCK DIAGRAM FOR RESOLUTION TIME MEASUREMENTS	W.P. HORTON THESIS	HORTON	J. M. HUGH						
A-37152	BLOCK DIA. VAR. FREQ. CLOCK RESTORER PULSE SOURCE	E-124	HK	FWOLSKY						
A-37153	BLOCK DIAGRAM OF D.C. POWER STRIP		R MURCH	FWOLSKY						
B-37154	BLOCK DIAGRAM, 110, FREQUENCY DIVIDER, WWI		EIB	SHEAHAN	SALZER		RRE			
B-37155	BLOCK DIAGRAM, 101, PULSE GENERATOR, WWI		"	SHEAHAN	SALZER		RRE			
B-37156	BLOCK DIAGRAM, 200, TEST STORAGE, WWI		SALZER	SHEAHAN	SALZER		RRE			ORIGINALLY "C" SIZE SUPERSEDES C-37064-2
A-37157	BLOCK DIAGRAM OF CONTROL PULSE SOURCE		EW SARD	FB						
B-37158	BLOCK DIAGRAM OF EQUIPMENT SETUP		"	"						
D-37159	BLOCK DIAGRAM, MASTER CLOCK, WWI		J. HUGHES	R. ANNETTI			RRE	SHD		ORIGINALLY "B" SIZE & REDUCTION
B-37160	BLOCK DIAGRAM, 112, RESTORER PULSE GENERATOR, WWI		BLUMENTHAL	GRIFFIN	BLUMENTHAL		RRE	RRE		
A-37161	TROUBLE LOCATION EQUIPMENT FOR THE 5-DIGIT MULTIPLIER	G.C. SUMNER THESIS	GCS	P. WOLFF	GCS					
A-37162	FUNCTIONAL RELATIONSHIP OF UNITS IN FIVE-DIGIT MULTIPLIER (FIG. 1)	TR-134		NHT	WOLFE					
A-37163	GATE PASSING A READ-IN PULSE (FIG. 18)	"	"	"						
A-37164	ACTION OF MULTIPLY PULSE (FIG. 19)	"	"	"						
A-37165	SENSING, BR5 (FIG. 21)	"	"	"						
A-37166	WHIFFLE REE CIRC. T, AC1 (FIG. 22)	"	"	"						
A-37167	SHIFT RIGHT ACS (FIG. 23)	"	"	"						

29

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37168

DRAWING NUMBER	TITLE	USED IN	ORIGINATOR	DRAWN BY	ENG'G. APPROVAL	GRADED			CLASS.	REMARKS
						1	2	3		
A-37168 ✓	STEP COUNTER (FIG 24)	R-134	N. HT	WOLFE						
A-37169 ✓	HIGH SPEED CARRY (FIG 26)	R-134	"	"						
SB-37170 ✓	CLOCK PULSE CONTROL 109	M-73E	R. MAYER	R. MAYER	R. MAYER					OBsolete SUPER. BY B-39817-2
A-37171 ✓	BLOCK DIAGRAM DEFLECTION-VOLTAGE GENERATOR TEST SET-UP	J.O. ELY THESIS R-160	J. O'ELLY	AGRIFFO						
B-37172 ✓	BLOCK DIAGRAM, III, SYNCHRONIZER, WWT		SALZER	SHEEHAN	SALZER		RRE 3-24-49	RRE 1-17-51		
D-37173 ✓	BLOCK DIAGRAM, 302, ACCUMULATOR WWT	G. COOPERS THESIS	J. SALZER	M. MATAS	SALZER		RRE 9-1-49	RRE 1-17-51		B REDUCTION ✓ -3
B-37174 ✓	BLOCK DIAGRAM, 309 Special Add Memory and Overflow, WWT	G. COOPERS THESIS	SALZER	MATAS	SALZER		RRE 3-24-49	RRE 1-17-51		
B-37175 ✓	BLOCK DIAGRAM, ALARM INDICATOR, WWT		SALZER	MATAS	SALZER		RRE 3-24-49	RRE 3-23-50		~ OBSOLETE ~
SD 37176 ✓	ELECTROSTATIC STORAGE CONTROL BLOCK DIAGRAM		N. TAYLOR	N. TAYLOR						
SA 37177 ✓	BLOCK DIAGRAM OF STORAGE REGISTER DIGIT	M-813	R. MAYER	R. MAYER						
D-37178 ✓	BLOCK DIAGRAM, INPUT-OUTPUT WWT	E-225	J. SALZER	M. MATAS			RRE 7-13-49			B REDUCTION ✓ ~ OBSOLETE ~
SA-37179 ✓	MODIFICATION OF IN-OUT SHIFTING	E-225	J. SALZER	SALZER						
SB-37180 ✓	TIMING DIAGRAMS FOR OPERATIONS IN WWT - TEMPORARY		MAYER	MAYER						
SB 37181 ✓	TIMING DIAGRAMS FOR OPERATIONS IN WWT		MAYER	MAYER						
SB 37182 ✓	BLOCK DIAGRAM, 820, ES DEFLECTION, WWT		R. MAYER	R. MAYER						~ OBSOLETE ~
D-37183 ✓	BLOCK DIAGRAM, 108, STORAGE SELECTION CONTROL, WWT		J. HUGHES	R. BARBAROW			RRE 11-21-49	SHD 7-27-53		ORIGINALLY SB - OBSOLETE B-REDUCTION ✓ -4
SB-37184 ✓	BLOCK DIAGRAM, ES SECTIONS, WWT			R. MAYER						~ OBSOLETE ~
SB-37185 ✓	BLOCK DIAGRAM, ES CONTROL, WWT			R. MAYER						~ OBSOLETE ~
SB-37186 ✓	BLOCK DIAGRAM, ELECTROSTATIC STORAGE, WWT			R. MAYER						~ OBSOLETE ~
SA-37187 ✓	BLOCK DIAGRAM, 108, ES-TS SELECTOR TEMPORARY, FOR TS ONLY		R. MAYER	R. MAYER						
SA-37188 ✓	BLOCK DIAGRAM DOUBLE READING EQUIPMENT	F-243	J. A. O'B	J. A. O'B						

29

DRAWING NUMBER	TITLE	USED IN	ORIGINATOR	DRAWN BY	ENG'G. APPROVAL	GRADED			CLASS.	REMARKS
						1	2	3		
SA-37189	CRYSTAL MATRIX TYPE DOUBLE ✓ READING EQUIPMENT	E-243	J.A.O.B	J.A.O.B						
SB-37190-4	CONTROL MATRIX OUTPUT CONNECTIONS	E-286	R.MAYER	R.MAYER						
C-37191	BLOCK DIAGRAM OF HIGH-SPEED, WRITE- ✓ READ UNIT		ROCHEFORT	A.GRIFFIN						B REDUCTION
D-37192-3	BLOCK DIAGRAM, I/O, CONTROL MATRIX (1-40) WWT		SALZEN		SALZEN	RRE	RRE			B REDUCTION ✓ -3 OBSOLETE
D-37193-3	BLOCK DIAGRAM, I/O, CONTROL MATRIX (41-80) WWT					RRE	RRE			B REDUCTION ✓ -3 OBSOLETE
D-37194-3	BLOCK DIAGRAM, I/O, CONTROL MATRIX (81-120) WWT	G. COOPERS THESIS				RRE	RRE			B REDUCTION ✓ -3 OBSOLETE
B-37195-2	TIMING DIAGRAM, WWT PROGRAM ✓ TIMING		R.MAYER	A.GRIFFIN		RRE	RRE			
B-37196-3	TIMING DIAGRAM, WWT OPERATION: ✓ YI - READ INITIALLY			F.BRUNSWICK		RRE	RRE			
A-37197-3	TIMING DIAGRAM, WWT OPERATION: ✓ YS - REMOVE UNIT STOP					RRE	RRE			
A-37198-3	TIMING DIAGRAM, WWT OPERATION: ✓ YF - RUN FORWARD					RRE	RRE			
A-37199-3	TIMING DIAGRAM, WWT OPERATION: ✓ YD - RUN REVERSE					RRE	RRE			
A-37200-3	TIMING DIAGRAM, WWT OPERATION: ✓ YC - REWIND					RRE	RRE			
A-37201-3	TIMING DIAGRAM, WWT OPERATION: ✓ YG - REWIND					RRE	RRE			
A-37202-3	TIMING DIAGRAM, WWT OPERATION: ✓ YS - TRANSFER TO STORAGE					RRE	RRE			
A-37203-3	TIMING DIAGRAM, WWT OPERATION: ✓ YL - SINGLE DIGITS					RRE	RRE			
A-37204-3	TIMING DIAGRAM, WWT OPERATION: ✓ YK - TRANSFER ADDRESS					RRE	RRE			
A-37205-3	TIMING DIAGRAM, WWT OPERATION: ✓ YP - CONDITIONAL PROGRAM					RRE	RRE			
A-37206-3	TIMING DIAGRAM, WWT OPERATION: ✓ YQ - SUB PROGRAM					RRE	RRE			
A-37207-3	TIMING DIAGRAM, WWT OPERATION: ca- ✓ CLEAR AND ADD					RRE	RRE			
A-37208-3	TIMING DIAGRAM, WWT OPERATION: ✓ YS CLEAR AND SUBTRACT					RRE	RRE			
A-37209-3	TIMING DIAGRAM, WWT OPERATION: ✓ Yd - ADD					RRE	RRE			

37210

DRAWING NUMBER	TITLE	USED IN	ORIGI-NATOR	DRAWN BY	ENG'G. APPROVAL	GRADED			CLASS.	REMARKS
						i	2	3		
A-37210-3 ✓	TIMING DIAGRAM, WWI OPERATION: su - SUBTRACT		R. MAYER	F. BRUNSWICK 11-15-49		RRE	RRE			
A-37211-3 ✓	TIMING DIAGRAM, WWI OPERATION: cm- CLEAR AND ADD MAGNITUDE					RRE	RRE			
A-37212-3 ✓	TIMING DIAGRAM, WWI OPERATION: sa- SPECIAL ADD					RRE	RRE			
A-37213-3 ✓	TIMING DIAGRAM, WWI OPERATION: a.o- ADD ONE					RRE	RRE			
A-37214-3 ✓	TIMING DIAGRAM, WWI OPERATION: mx- MULTIPLY AND ROUND OFF					RRE	RRE			
A-37215-3 ✓	TIMING DIAGRAM, WWI OPERATION: mh- MULTIPLY AND HOLD					RRE	RRE			
A-37216-2 ✓	TIMING DIAGRAM, WWI OPERATION: d.c. - DIVIDE		R. MAYER			RRE	RRE			
A-37217-2 ✓	TIMING DIAGRAM, WWI OPERATION: sl - SHIFT LEFT		R. MAYER			RRE	RRE			
A-37218-2 ✓	TIMING DIAGRAM, WWI OPERATION: sr - SHIFT RIGHT		R. MAYER			RRE	RRE			
A-37219-2 ✓	TIMING DIAGRAM, WWI OPERATION: sf - SCALE FACTOR		R. MAYER			RRE	RRE			
D-37220-3 ✓	BLOCK DIAGRAM, BDO, ELECTROSTATIC STORAGE, WWI	E-307	SALZER MAYER	M. MATIAS 7-5-49		RRE	RRE		B-REDUCTION 11-3 MN - OBSOLETE	
B-37221 ✓	BLOCK DIAGRAM, PROPOSED TPD AUTOMATIC CHECK	M-872	ADAMS							
B-37222 ✓	BLOCK DIAGRAM, ST RELIABILITY TESTER PART I ST MOUNT FOR ORIGINAL		SISSON	GRIFFIN 7-5-49						
D-37223 ✓	BLOCK DIAGRAM, ST RELIABILITY TESTER PART I CONTROL		SISSON	GRIFFIN 7-6-49						
SA-37224 ✓	TRAFFIC SCHEDULE FOR WWI PROGRAM TIMING		J. SALZER	J. SALZER 7-12-49						
SA-37225 ✓	TRAFFIC SCHEDULE FOR WWI OPERATION yi									
SA-37226 ✓	TRAFFIC SCHEDULE FOR WWI OPERATION ys									
SA-37227 ✓	TRAFFIC SCHEDULE FOR WWI OPERATION yf									
SA-37228 ✓	TRAFFIC SCHEDULE FOR WWI OPERATION yb									
SA-37229 ✓	TRAFFIC SCHEDULE FOR WWI OPERATION yd									
SA-37230 ✓	TRAFFIC SCHEDULE FOR WWI OPERATION yc									

2

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37231

DRAWING NUMBER	TITLE	USED IN	ORIGI-NATOR	DRAWN BY	ENG'G. APPROVAL	GRADED			CLASS	REMARKS
						1	2	3		
SA37231	TRAFFIC SCHEDULE FOR WWI ✓ OPERATION ts		J. SALZER	J. SALZER						
SA37232	TRAFFIC SCHEDULE FOR WWI ✓ OPERATION td									
SA37233	TRAFFIC SCHEDULE FOR WWI ✓ OPERATION ta									
SA37234	TRAFFIC SCHEDULE FOR WWI ✓ OPERATION ep									
SA37235	TRAFFIC SCHEDULE FOR WWI ✓ OPERATION sp									
SA37236	TRAFFIC SCHEDULE FOR WWI ✓ OPERATION ca									
SA37237	TRAFFIC SCHEDULE FOR WWI ✓ OPERATION cs									
SA37238	TRAFFIC SCHEDULE FOR WWI ✓ OPERATION ad									
SA37239	TRAFFIC SCHEDULE FOR WWI ✓ OPERATION su									
SA37240	TRAFFIC SCHEDULE FOR WWI ✓ OPERATION cm									
SA37241	TRAFFIC SCHEDULE FOR WWI ✓ OPERATION sa									
SA37242	TRAFFIC SCHEDULE FOR WWI ✓ OPERATION ao									
SA37243	TRAFFIC SCHEDULE FOR WWI ✓ OPERATION my									
SA37244	TRAFFIC SCHEDULE FOR WWI ✓ OPERATION mh									
SA37245	TRAFFIC SCHEDULE FOR WWI ✓ OPERATION dy									
SA37246	TRAFFIC SCHEDULE FOR WWI ✓ OPERATION sl									
SA37247	TRAFFIC SCHEDULE FOR WWI ✓ OPERATION sy									
SA37248	TRAFFIC SCHEDULE FOR WWI ✓ OPERATION sf									
A-37249	SCALE OF GIGHT COUNTER ✓				AGRIFFIN					
B-37250-1	SYSTEM NUMBERS WWI ✓		J. SALZER	B. PLUNSWICK	J. SALZER		AVE	RRE		
							7-24-49	1-17-51		
B-37251	OVERFLOW AND ARITHMETIC CHECK ✓		J. SALZER	A. GRIFFIN						

29

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37252

DRAWING NUMBER	TITLE	USED IN	ORIGI-NATOR	DRAWN BY	ENG'G. APPROVAL	GRADED			CLASS.	REMARKS
						1	2	3		
B-37252 √	SHIFTING AND THE ACCUMULATOR WWT		J. SALZER	A. GRIFFIN						
B 37253 √	TRANSFERS AND THE ACCUMULATOR WWT		J. SALZER	A. GRIFFIN						
B 37254 √	ADDITION AND THE ACCUMULATOR WWT		J. SALZER	A. GRIFFIN						
SA 37255 √	PREPARED SHIFT CONTROL OF IN-OUT ELEMENT		J. SALZER	J. SALZER						
D 37256 √	BLOCK DIAGRAM, INPUT-OUTPUT SYSTEM, WWT		J. A. BRUN	F. BRUNSVICK						
B 37257 √	BLOCK DIAGRAM, 400, IN-OUT ELEMENT DURING READING, WWT		J. SALZER	M. MATAS						
B 37258 √	BLOCK DIAGRAM, 400, IN-OUT ELEMENT DURING RECORDING, WWT		J. SALZER	M. MATAS						
SB 37259-1 √	TEMPORARY TIMING DIAGRAM, WWT OPERATION: 10 - DISPLAY		R. MAYER	R. MAYER						
A 37260-2 √	TEMPORARY TIMING DIAGRAM, WWT OPERATION: CK - CHECK		R. MAYER	A. GRIFFIN					R.R.E. 4-13-50	
SB 37261-1 √	TEMPORARY TIMING DIAGRAM WWT OPERATION: 95 - SWITCH CHECK		E. ADAMS	C. ADAMS						
B 37262 √	ARITHMETIC ELEMENT (300) DURING ADD (ad)		J. SALZER	M. MATAS						
B 37263 √	ARITHMETIC ELEMENT (300) DURING SUBTRACT (su)		J. SALZER	M. MATAS						
B 37264 √	ARITHMETIC ELEMENT (300) DURING SPECIAL ADD (sa)		J. SALZER	M. MATAS						
B 37265 √	ARITHMETIC ELEMENT (300) DURING CLEAR AND ADD (ca)		J. SALZER	M. MATAS						
B 37266 √	ARITHMETIC ELEMENT (300) DURING CLEAR AND SUBTRACT (cs)		J. SALZER	M. MATAS						
B 37267 √	ARITHMETIC ELEMENT (300) DURING CLEAR AND ADD MAGNITUDE (am)		J. SALZER	M. MATAS						
B 37268 √	ARITHMETIC ELEMENT (300) DURING ADD ONE (ao)		J. SALZER	M. MATAS						
B 37269 √	ARITHMETIC ELEMENT (300) DURING MULTIPLY AND ROUND OFF (ar)		J. SALZER	M. MATAS						
B 37270 √	ARITHMETIC ELEMENT (300) DURING MULTIPLY AND HOLD (mh)		J. SALZER	M. MATAS						
B 37271 √	ARITHMETIC ELEMENT (300) DURING DIVIDE (dv)		J. SALZER	M. MATAS						
B 37272 √	ARITHMETIC ELEMENT (300) DURING SHIFT LEFT (sl)		J. SALZER	M. MATAS						

2

37273

DRAWING NUMBER	TITLE	USED IN	ORIGI-NATOR	DRAWN BY	ENG'G. APPROVAL	GRADED			CLASS	REMARKS
						1	2	3		
B 37273	ARITHMETIC ELEMENT (300) DURING SHIFT RIGHT (SY)		J. SALZER	M. MATAS						
B 37274	ARITHMETIC ELEMENT (300) DURING SCALE FACTOR (SC)		J. SALZER	M. MATAS						
SB 37275	TEMPORARY TIMING DIAGRAM WWI - OPERATION 90 - EXCHANGE		C. W. ADAMS	C. W. ADAMS						
SD 37276	RELAY REGISTER + PULSE DISTRIBUTOR		J. A. O'BRILH	J. A. O'BRILH						
SC 37277	BLOCK DIAGRAM OF EQUIPMENT FOR PREPARATION OF CORRECTED PUNCH TAPE		E. S. RICH	E. S. RICH						
SC 37278	BLOCK DIAGRAM OF EQUIPMENT FOR READING CORRECTED PUNCH TAPE		E. S. RICH	E. S. RICH						
SB 37279	TEMPORARY TIMING DIAGRAM WWI - OPERATION 90 - H-AXIS SET		C. ADAMS	C. ADAMS						
SD 37280	BLOCK DIAGRAM TEST CONTROL CONSOLE		R. READ	J. GIORGIO	R. READ					
SB 37281-2	TEST EQUIPMENT FOR STEP BY STEP RECORDING		J. A. O'BRILH	J. A. O'BRILH						
B 37282	BLOCK DIAGRAM OF TAPE PREPARATION EQUIPMENT	F. FOSS THESIS E-343	F. FOSS	A. GRIFFIN						C-SIZE IN FILE
B 37283	BLOCK DIAGRAM OF TAPE PREPARATION UNIT	F. FOSS THESIS E-342	F. FOSS	A. GRIFFIN						
D 37284	BLOCK DIAGRAM STORAGE TUBE RELIABILITY TESTER		H. FROST	BRUNSWICK						B-REDUCTION
B 37285	BLOCK DIAGRAM OF INPUT TAPE READER		J. ULMAN	BRUNSWICK						
B 37286	BLOCK DIAGRAM OF OUTPUT TYPEWRITER AND TAPE PUNCH		J. ULMAN	BRUNSWICK						
B 37287	BLOCK DIAGRAM OF TAPE - PREPARATION SYSTEM		J. ULMAN	M. MATAS						
SA-37288	TEMPORARY TIMING DIAGRAM WWI OPERATION: 90 - READ - SHIFT RIGHT	M-1067	C. W. ADAMS	C. ADAMS						
SA-37289-1	TEMPORARY TIMING DIAGRAM WWI OPERATION 90 - B SCOPE DISPLAY		C. W. ADAMS	C. W. ADAMS						
SA-37290	TEMPORARY TIMING DIAGRAM WWI 90 P PUNCH/SHIFT RIGHT		C. W. ADAMS	C. W. ADAMS						
R-37291-1	BLOCK DIAGRAM INTERIM CONTROL AND TERMINAL EQUIPMENT WWI	E-397	C. ADAMS	A. GRIFFIN						B-4 D REDUCTIONS
A 37292	LIST OF INTERIM CONTROL TERMINAL EQUIPMENT SWITCHES - SD-37291	E-397	C. ADAMS	C. ADAMS						2 SHEETS
SB 37293	PROPOSED BLOCK DIAGRAM IN-OUT CONTROL, 410		J. SALZER	J. SALZER						

20

37294

DRAWING NUMBER	TITLE	USED IN	ORIGI-NATOR	DRAWN BY	ENG'G. APPROVAL	GRADED			CLASS.	REMARKS
						1	2	3		
S D-37294	PROPOSED BLOCK DIAGRAM IN-OUT CONTROL & SWITCH		J. SALZER	J. SALZER						
D-37295-2	NORMAL BLOCK DIAGRAM STORAGE TUBE REHABILITY TESTER		CORDERMAN	A. GRIFFIN						
SD 37296-1	PROPOSED IN-OUT SYSTEM		J. SALZER	J. SALZER						
SB 37297	PROPOSED BLOCK DIAGRAM-PHOTO - ELECTRIC READER		E. RICH	E. RICH						
A-37298	RELATIVE TIMING DIAGRAM RELAY COUNTER FIG #2		C. WATT	C. WATT						
A 37299	TIMING DIAGRAM, WWT OPERATION; KP- PUNCH/SHIFT RIGHT		R. MAYER	BRUNSWICK				RRE		
A 37300	TIMING DIAGRAM, WWT OPERATION; KV- READ/SHIFT RIGHT		R. MAYER	BRUNSWICK				RRE		
D 37301	TIMING DIAGRAM FOR BLANK SIGNAL PRESET OF RELAY COUNTER TAPE OUTPUT EQUIP. WWT	F-402	J. HANSON	A. GRIFFIN						B-REDUCTION ✓
B 37302	BLOCK DIAGRAM HOLDING GUN + SIGNAL PLATE DRIVER FOR TV DEMONSTRATOR		CORDERMAN	M. MATAS						
D 37303	TIMING DIAGRAM FOR PUNCH WORDS-COMPLEMENTS PRINT WORDS MODE TAPE OUTPUT EQUIP. WWT	E-402	J. HANSON	A. GRIFFIN						B-REDUCTION ✓
A 37304	TIMING DIAGRAM, WWT OPERATION; gd- DISPLAY (D-SCOPES)		R. MAYER	B. GLAZIER				RRE		
A 37305	TIMING DIAGRAM, WWT OPERATION; ge- EXCHANGE		R. MAYER	B. GLAZIER				RRE		
A 37306	TIMING DIAGRAM, WWT OPERATION; gh- H-AXIS SET		R. MAYER	B. GLAZIER				RRE		
A 37307	TIMING DIAGRAM, WWT OPERATION; gf- F-SCOPE DISPLAY	E-402	R. MAYER	B. GLAZIER				RRE		
D 37308	TIMING DIAGRAM FOR "WORDS ONLY" MODE OF OPERATION, TAPE OUTPUT EQUIPMENT, WWT		J. HANSON	A. GRIFFIN						B-REDUCTION ✓
SB 37309	OVERSIMPLIFIED BLOCK DIAGRAM BASED ON WWT		R. MAYER	R. MAYER						
D 37310	BLOCK DIAGRAM MAGNETIC TAPE CONTROL WWT		J. O'BRIEN	J. NICHOLS						
C 37311-1	BLOCK DIAGRAM, 510, DISPLAY SCOPES AND CONTROL, WWT		MORRIS	S. STRATIS					SHD	MN
C 37312	BLOCK DIAGRAM, IN-OUT ELEMENT AND SOME EXTERNAL UNITS WWT		P. STEPHAN	D. HILLMAN	ESRICH				SHD	
SB 37313-2	BLOCK DIAGRAM FERRAMIC CORE ARRAY No 1		W. OGDEN	A. KATZ						
C 37314-1	BLOCK DIAGRAM, 105, MAGNETIC TAPE MATRIX 4/30, WWT		G. YOUNG	F. WEDISCH	ESRICH				SHD	MN

29

37315

DRAWING NUMBER	TITLE	USED IN	ORIGI-NATOR	DRAWN BY	ENG'G. APPROVAL	GRADED			CLASS.	REMARKS
						1	2	3		
SD 37315	TIMING DIAGRAMS WWT		J. HUGHES	J. HUGHES						
B 37316-2	BLOCK DIAGRAM IOS PAPER TAPE UNIT MATRIX, 420 WWT		B. MORRIS	S. STRATIS	E. RICH			SHD	MN	
B 37317	BLOCK DIAGRAM IOS DISPLAY MATRIX 420, WWT		B. MORRIS	C. DONNELLY	E. RICH			SHD	MN	OBSELETE SUPERSEDED BY 37448 37449
E 37318	BLOCK DIAGRAM, AUXILIARY STORAGE DRUM, 1020 WWT		B. MORRIS	A. GRIFFIN	E. RICH			SHD	MN	
D 37319-1	BLOCK DIAGRAM 520, MAGNETIC TAPE UNITS AND CONTROL, WWT		B. MORRIS	A. STRATIS				SHD		OBSELETE
E 37320-10	BLOCK DIAGRAM, IN-OUT CONTROL, 410, WWT		G. YOUNG	A. GRIFFIN	R. GOULD			ESRICH	MN	SUPERSEDES SD-37367 AND SR-37442-2
SA 37321	62.3 MASTER CLOCK		R. MAYER	R. MAYER						
D 37322	BLOCK DIAGRAM DC POWER DISTRIBUTION POWER CONTROL TERMINAL EQUIPMENT, ROOM 156 WWT		R. HUNT							OBSELETE
A 37323	PRELIMINARY BLOCK DIAGRAM MDRZ MARGINAL CHECKING CONTROL		N. DAGGETT	N. DAGGETT						
C 37324	FUNCTIONAL BLOCK DIAGRAM DEFLECTION SHAFT TEST SET-UP		JACRAWITZ	A. STRATIS					MN	
C 37325	BLOCK LAYOUT FOR TRANSISTOR TEST ACCUMULATOR		D. ECKL	BRUNSWICK					MN	
D 37326-1	BLOCK DIAGRAM OF IN-OUT SWITCH 420 WWT		G. YOUNG	B. PETRELIS	E. RICH			ESRICH	MN	SUPERSEDES SD-37445-3
A 37327	BLOCK DIAGRAM OF LINEAR TIME-VARYING SYSTEMS FIG 2.00-2		A. KATZ	J. NICHOLS					MN	
A 37328	BLOCK DIAGRAMS OF LINEAR CONSTANT-COEFFICIENT SYSTEMS		A. KATZ	J. NICHOLS					MN	
A 37329	BLOCK DIAGRAM OF TEST EQUIPMENT		R. SIMS	A. STRATIS					MN	
SB 37330-2	ORDER CODE + TRAFFIC DIAGRAMS FOR A PROPOSED MTC		R. MAYER	R. MAYER						
SB 37331-2	BLOCK DIAGRAM FOR A PROPOSED MTC		R. MAYER	R. MAYER						
B 37332	BLOCK DIAGRAM REGULATED D.C. SUPPLY USING GRID-CONTROLLED RECTIFIERS	THESIS	J. GARD	BARBAROW					MN	
A 37333	SIMPLIFIED BLOCK DIAGRAM REGULATED D.C. SUPPLY	THESIS	J. GARD	B. MOON					MN	
D 37334	FUNCTIONAL SCHEMATIC 16 X 16 METALLIC ARRAY		WOODENITZ	A. GRIFFIN					MN	
SB 37335	MTC BLOCK DIAGRAM A REGISTER 301 HEA 1.8.52		H. ANDERSON	H. ANDERSON						

29

37336

DRAWING NUMBER	TITLE	USED IN	ORIGI-NATOR	DRAWN BY	ENG'G. APPROVAL	GRADED			CLASS.	REMARKS
						1	2	3		
B 37336	BLOCK DIAGRAM REGULATED D.C. GENERATOR		J. GANO	BARBAROW						MN
A 37337	BLOCK DIAGRAM OF A STEPPING REGISTER		Sims	J. NICHOLS						MN
A 37338	BASIC TEST SYSTEM OF MAGNETIC MEMORY		WIDROWITZ	F. BRUNSWICK						MN
B 37339	LIGHT GUN CONNECTIONS		WIDROWITZ	F. BRUNSWICK						MN
B 37340	BLOCK DIAGRAM MOVING PATTERNS SYSTEM		WIDROWITZ	B. MOON						MN
B 37341	BLOCK DIAGRAM, SKIP CIRCUIT CONNECTIONS		WIDROWITZ	B. MOON						MN
B 37342	BLOCK DIAGRAM BASIC TEST SYSTEM OF MAGNETIC MEMORY SHOWING CONNECTION OF DRIVERS ETC		WIDROWITZ	J. NICHOLS						MN
R 37343	BLOCK SCHEMATIC TEST CONTROL SYNCHRONIZERS, WWI		DESJARDINS	DE CASTRO	N. DAGGETT					SHD
D 37344-8	BLOCK SCHEMATIC TEST CONTROL WWI		DESJARDINS	DE CASTRO	N. DAGGETT					SHD
B 37345-2	BLOCK DIAGRAM MECHANICAL PAPER TAPE READER CONTROL WWI 531		F. L. RICH	G. SMALL	J. A. BRIEN					SHD
SB 37346	CPO UNIT INTERCONNECTIONS AND DESTINATIONS WWI		J. HUGHES	J. HUGHES						PAGES 1,2,3
SB 37347	POSSIBLE IN-OUT CONTROL SYSTEM		HEPSTEIN	M. EPSTEIN						CONFIDENTIAL
SB 37348	DEFINITION OF BASIC SYMBOLS AND SIMPLE CONNECTIONS FOR SIMPLE FUNCTIONS I		R. MAYER	R. MAYER						
SB 37349	SIMPLE CONNECTIONS FOR SIMPLE FUNCTIONS II AND BLOCK OUTLINE FOR GENERATION OF COMMAND PULSES		R. MAYER	R. MAYER						
SB 37350	GENERAL OUTLINE OF TIMING AND PROGRAM TIMING		R. MAYER	R. MAYER						
SB 37351	SIMPLIFIED OPERATION TIMING		R. MAYER	R. MAYER						
SB 37352	BLACKBOARD DRAWINGS USED IN 20 MINUTE LECTURE ON WWI		R. MAYER	R. MAYER						
SB 37353-1	BLOCK DIAGRAM MTC ACCUMULATOR, AC		HEANDERSON	HANDERSON						OBSOLETE SUPERSEDED BY SC-52836-1
B 37354	BLOCK DIAGRAM FOR MAGNETIC DRUM MATRIX, 420, WWI		B. MORRIS	B. MOON	E. SRICH					SHD
A 37355-1	ERROR DETECTION SYSTEM		D. ECKL	A. GRIFFIN						MN
A 37356	EQUIPMENT FOR SLOW DECAY OBSERVATION		H. B. FRANT	H. B. FRANT						

29

37357

DRAWING NUMBER	TITLE	USED IN	ORIGI-NATOR	DRAWN BY	ENG'G APPROVAL	GRADED			CLASS	REMARKS
						1	2	3		
SD 37357-1	BARTA BUILDING INTERCOM		SHORTELL	SHORTELL						
SB 37358	BLOCK DIAGRAM MTC A-REGISTER, AR		W. HOSIER	W. HOSIER						
SB 37359	IBM 701 SKETCHES I		R. MAYER	R. MAYER						COMMERCIALY CONFIDENTIAL
SB 37360	IBM 701 SKETCHES II		R. MAYER	R. MAYER						COMMERCIALY CONFIDENTIAL
SA 37361	PROPOSED CHECKING SYSTEM TO BE USED ON TIME CONTROL, APC, SAR, AND ETC		K. McVICAR	K. McVICAR						
SA 37362	FOUR-TRACK CYCLING TEST CIRCUIT		K. McVICAR	K. McVICAR						
SA 37363	ALARM INDICATOR		K. McVICAR	K. McVICAR						
SA 37364	AN ALTERNATE CYCLING TEST CIRCUIT		K. McVICAR	K. McVICAR						
SA 37365	SYNCHRONIZING SYSTEM FOR RECORDING PATTERNS ON DRUM		K. McVICAR	K. McVICAR						
E 37366	BLOCK DIAGRAM MTC SYSTEM DIAGRAM		B. HOSIER	A. GRIFFIN	H. ANDERSON			K. OLSEN		MIN - OBSOLETE
SD 37367-1	BLOCK DIAGRAM, IN-OUT CONTROL 410, WWI		B. MAYER	A. STRATIS	E. RICH					OBSOLETE - SUPERSEDED BY SD 37370
SB 37368-1	MTC STORAGE CONTROL		H. ANDERSON	H. ANDERSON						OBSOLETE - SUPERSEDED BY SD 37376
SA 37369	LOGIC FOR PULSE TESTS ON FERRITE CORES		W. CANTY	W. CANTY						
SB 37370	BLOCK DIAGRAM, POWER SUPPLY CONTROL, WWI		F. SANDY	T. SANDY						
SB 37371	MTC CONTROL SWITCH BLOCK DIAGRAM		H. ANDERSON	H. ANDERSON						OBSOLETE - SUPERSEDED BY SD 37376
A 37372	TRANSISTOR CURVE PLITER BLOCK DIAGRAM		T. ANDERSON	L. RILEY						MIN
SB 37373	REORGANIZED BLOCK DIAGRAM SECTION OF IN-OUT CONTROL 410, WWI		R. MAYER	D. McCANN						
B 37374	CAPE CTD COMMAND CENTER SYSTEM BLOCK DIAGRAM		R. EVERETT	S. STRATIS						CONFIDENTIAL
EE 37375-1	MTC BUS CONNECTIONS		H. ANDERSON	H. ANDERSON						
SD 37376-12	BLOCK DIAGRAM, CONTROL, MTC		P. BAGLEY	P. BAGLEY				K. OLSEN		OBSOLETE - SUPERSEDED BY SD 37376
A 37377	BLOCK DIAGRAM ADDER PLUGABLE UNIT DIGIT #3		D. REMIS	B. MOON						

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DRAWING NUMBER	TITLE	USED IN	ORIGI-NATOR	DRAWN BY	ENG'G APPROVAL	GRADED			CLASS	37378 REMARKS
						1	2	3		
A 37378	BLOCK DIAGRAM ADDER PLUGABLE UNIT ✓ DIGIT #4		D. REMIS	B. MOON 12-5-52						
A 37379	BLOCK DIAGRAM MQ, MR, ACC. PLUGABLE ✓ UNIT DIGIT #3		D. REMIS	B. MOON 12-5-52						
A 37380	BLOCK DIAGRAM MQ, MR, ACC. PLUGABLE ✓ UNIT DIGIT #4		D. REMIS	B. MOON 12-5-52						
A 37381	TEST EQUIPMENT BLOCK DIAGRAM ✓		GERHARDT	C. SMALL 12-9-52						MN
SA 37382	PANEL STORAGE, MTC ✓		ANDERSON	ANDERSON 12-11-52						
B 37383	BLOCK DIAGRAM OF PHASE METER ✓ FR-5		D. REMIS	BARBAROW 12-18-52						MN
SB 37384-3	BLOCK DIAGRAM MTC "LIAISON" CIRCUITS ✓ FOR IBM CARD EQUIPMENT		W. HOSIER	W. HOSIER 12-31-52						
A 37385	BLOCK DIAGRAM OF PHASE MEASURING ✓ SYSTEM FOR WVE DIGIT AMPLIFIERS		B. REMIS	C. SMALL 1-2-53						MN
SA 37386-1	CONTROL SYSTEM FOR TEST ACCUMULATOR ✓		D. ECKL	D. ECKL 1-23-53						
SD 37387-1	CAPE COD BLOCK DIAGRAM FOR TIME ✓ SCHEDULE ESTIMATES		S.H. DODD	S.H. DODD 1-26-53						
SB 37388	BLOCK DIAGRAM PHONE-LINE CONVERTER ✓ 16 DIGITS DIRECT CONNECTION TO WWI THROUGH IOE		B. MORRIS	B. MORRIS 1-19-53						
SB 37389	BLOCK DIAGRAM BUFFER DRUM MULTIPLE ✓ INPUT UNIT ZERO, 1140		B. MORRIS	B. MORRIS 1-19-53						
SA 37390	BLOCK DIAGRAM MITE + BUFFER ✓ STORAGE PROPOSAL #2		G. YOUNG	G. YOUNG 1-20-53						~ CONFIDENTIAL ~
SA 37391	BLOCK DIAGRAM BANK INDICATOR FOR ✓ BUFFER STORAGE OF MITE DATA PROPOSAL #2		B. MORRIS	B. MORRIS 1-24-53						~ CONFIDENTIAL ~
SB 37392	BLOCK DIAGRAM BUFFER STORAGE REGISTER ✓ FOR MITE PROPOSAL #2		G. YOUNG	G. YOUNG 1-20-53						~ CONFIDENTIAL ~
SB 37393	BLOCK DIAGRAM BUFFER STORAGE AND ✓ MITE PROPOSAL #3		B. MORRIS	B. MORRIS 1-27-53						~ CONFIDENTIAL ~
SB 37394	BLOCK DIAGRAM OF MITE AZIMUTH ✓ COUNTER READ OUT FOR PROPOSAL #3		B. MORRIS	B. MORRIS 1-24-53						~ CONFIDENTIAL ~
SB 37395	BLOCK DIAGRAM BUFFER STORAGE REGISTER ✓ FOR MITE PROPOSAL #3		B. MORRIS	B. MORRIS 1-23-53						~ CONFIDENTIAL ~
SB 37396	BLOCK DIAGRAM BUFFER STORAGE ✓ AND MITE FOR N. TRURA SET, PROPOSAL #1		B. MORRIS	B. MORRIS 1-16-53						~ CONFIDENTIAL ~
SD 37397	BLOCK DIAGRAM BUFFER STORAGE ✓ FOR MITE PROPOSAL #1		B. MORRIS	B. MORRIS 1-28-53						~ CONFIDENTIAL ~
SR 37398	IN-OUT SWITCH MATRICES ✓		T. SANDY	T. SANDY 1-25-53						

APPROVED FOR PUBLIC RELEASE. CASE 06-1104.

37399

DRAWING NUMBER	TITLE	USED IN	ORIGI-NATOR	DRAWN BY	ENG'G APPROVAL	GRADED			CLASS	REMARKS
						1	2	3		
D 37399	BLOCK DIAGRAM, 1210 MULTIPLE INPUT TERMINAL EQUIPMENT		B. MORRIS	G. YOUNG				SHD	MN	
R 37400	BK DIA, 1130, READING & WRITING CRTS, + SELECTOR FOR FILDS H/B BDS WWI (GROUPS OA, IA, OB, IB)		C. ZARKEET	H. GRIFFIN	E. RICH			SHD	MN	
SC 37401	BLOCK DIAGRAM, MODIFIED MULTIPLE INPUT TERMINAL EQUIPMENT		B. MORRIS	G. YOUNG						
SA 37402	BLOCK DIAGRAM, MITE UNIT CONNECTED AS TERMINAL UNIT WITHOUT BUFFER STORAGE		B. MORRIS	B. MORRIS					MN	
SA 37403	BLOCK DIAGRAM BUFFER STORAGE FOR MITE - BUFFER REGISTER 2011		B. MORRIS	G. YOUNG					MN	
SA 37404	BLOCK DIAGRAM BUFFER STORAGE FOR MITE - STATUS INDICATOR 2012		B. MORRIS	G. YOUNG					MN	
SA 37405	BLOCK DIAGRAM BUFFER STORAGE FOR MITE - BUFFER REGISTER 2013		B. MORRIS	G. YOUNG					MN	
SA 37406	BLOCK DIAGRAM BUFFER STORAGE FOR MITE - BUFFER STORAGE CONTROL 2014		B. MORRIS	G. YOUNG					MN	
C 37407	BLOCK DIAGRAM, MODIFIED MITE UNIT AND BUFFER STORAGE		B. MORRIS	G. YOUNG					MN	
SC 37408	MEMORY TEST SETUP #4		R. D. MOLETO	R. D. MOLETO						
SB 37409	BLOCK DIAGRAM MTC B-REGISTER		R. PFAFF	R. PFAFF						
D 37410	SIMPLIFIED SYSTEM BLOCK DIAGRAM, WWT		RATHBONE	A. BOGARD					MN	
B 37411	CENTRAL CONTROL (CONDENSED) WWI		RATHBONE	P. BOGARD					MN	
A 37412	GENERALIZED BLOCK DIAGRAM MASTER CLOCK, WWT		RATHBONE	E. VODISCH					MN	
B 37413	CHECK REGISTER		J. BENNETT	C. SMALL					MN	
C 37414	BLOCK DIAGRAM BUS CONNECTIONS WWI		RATHBONE	P. BOGARD					MN	
B 37415	BLOCK DIAGRAM, EOS BUFFER STORAGE MATRIX 420, WWT		G. YOUNG	J. PHOENIX	E. RICH			SHD		
B 37416	B-REGISTER		J. BENNETT	C. SMALL					MN	
B 37417	FLIP-FLOP STORAGE CONTROL		J. BENNETT	C. SMALL					MN	
B 37418	ACCUMULATOR		J. BENNETT	C. SMALL						
B 37419	PROGRAM COUNTER		J. BENNETT	C. SMALL					MN	

DL-449

29

37420

DRAWING NUMBER	TITLE	USED IN	ORIGI-NATOR	DRAWN BY	ENG'G APPROVAL	GRADED			CLASS	REMARKS
						1	2	3		
B 37420-1	CONTROL SWITCH + TEST- STORAGE SWITCH		J BENNETT	C SMALL 2-27-53					MN	
B 37421-1	TOGGLE SWITCH STORAGE		J BENNETT	C SMALL 2-27-53					MN	
B 37422-1	PARITY REGISTER (SIMPLIFIED)		J BENNETT	C SMALL 2-27-53					MN	
B 37423-1	ARITHMETIC ELEMENT		J BENNETT	C SMALL 2-27-53					MN	
B 37424-1	TIME PULSE DISTRIBUTOR		J BENNETT	C SMALL 2-27-53					MN	
B 37425	STEP COUNTER		J BENNETT	C SMALL 2-27-53					MN	
B 37426	A-REGISTER		J BENNETT	C SMALL 2-27-53					MN	
D 37427-1	ABSTRACT OF CONTROL MATRIX		J BENNETT	S STRATIS 2-27-53					MN	
SA 37428	BLOCK DIAGRAM, MITE MASTER TIMING SOURCE, 2015		B MORRIS	B MORRIS 3-7-53						
SB 37429-1	BLOCK DIAGRAM TOGGLE SWITCH STORAGE MITE		J CRANE	J CRANE 3-9-53						
OR 37430	BLOCK DIAGRAM PANEL STORAGE SWITCH, MITE		J CRANE	J CRANE 3-9-53						
SB 37431	OUTLINE FOR ALL INSTRUCTIONS, WWII (EXCEPT THOSE THAT USE THE STEP COUNTER)		R MAYER	R MAYER 3-16-53						~ CONFIDENTIAL ~ ~ OBSOLETE ~
SB 37432	MORE DETAILS ON OUTLINE FOR SOME INSTRUCTIONS, WWII		R MAYER	R MAYER 3-16-53						~ CONFIDENTIAL ~ ~ OBSOLETE ~
SB 37433	OUTLINE FOR INSTRUCTIONS WHICH USE THE STEP COUNTER, WWII		R MAYER	R MAYER 3-16-53						~ CONFIDENTIAL ~ ~ OBSOLETE ~
D 37434-1	REGULATOR			B. M. H. 3-24-53					MN	
D 37435	ELECTROSTATIC STORAGE SYSTEM WWII SIMPLIFIED		RATHBONE	A BOULAIS 3-26-53					MN	
SA 37436	SHIFT & CARRY FOR MITE			K. OLSEN 4-1-53						
SA 37437	A SELF INITIATED CARRY ADDER			K. OLSEN 4-1-53						
SB 37438	BLOCK DIAGRAM OF IN-OUT CONTROL DIAGRAM 2		A EPSTEIN	A EPSTEIN 4-3-53						~ CONFIDENTIAL ~
SD 37439	BLOCK DIAGRAM OF IN-OUT CONTROL DIAGRAM 1		A EPSTEIN	A EPSTEIN 4-3-53						~ CONFIDENTIAL ~
SA 37440	BLOCK DIAGRAM MEMORY ADDRESS SELECTION SYSTEM	1-12-54	IN PAPAN	PAPAN 4-7-53						

29

37441

DRAWING NUMBER	TITLE	USED IN	ORIGI-NATOR	DRAWN BY	ENG'G APPROVAL	GRADED			CLASS	REMARKS
						1	2	3		
SA37441	BLOCK DIAGRAM - MEMORY DIGITS + READ-WRITE SYSTEM	M-1965	WPAPIAN	WPAPIAN						
SR37442-2	BLOCK DIAGRAM, IN-OUT CONTROL, 414, WWT		G. YOUNG	G. YOUNG						~OBSOLETE~ ^{SUPERSEDED BY E-37320-2}
SD37443-1	BLOCK DIAGRAM, WWT IN-OUT EQUIPMENT		G. YOUNG	G. YOUNG						
SD37444	BLOCK DIAGRAM, D.C. IN-OUT REGISTER 403, WWT		G. YOUNG	G. YOUNG						~OBSOLETE~ ^{SUPERSEDED BY D-50220-1}
SC37445-2	BLOCK DIAGRAM, IN-OUT SWITCH 420, WWT		G. YOUNG	G. YOUNG						~OBSOLETE~ ^{SUPERSEDED BY D-37326-1}
B37446	BLOCK DIAGRAM, WWT INDICATOR LIGHT REGISTER - 551		G. YOUNG	B. MOON	JAOBRIEN				SHD	
C37447	BLOCK DIAGRAM, 510, DISPLAY SYSTEM, WWT		G. YOUNG	JGRINE	ESRICH				ESRICH	
B37448	BLOCK DIAGRAM, WWT, IAS DISPLAY MATRIX #1, 420, WWT		G. YOUNG	C. PASCOE	ESRICH				SHD	MN
B37449	BLOCK DIAGRAM, WWT, IAS DISPLAY MATRIX #2, 420, WWT		G. YOUNG	C. PASCOE	ESRICH				SHD	MN
B37450	BLOCK DIAGRAM, WWT, IAS INTERVENTION REGISTERS MATRIX #1, 420.		G. YOUNG	C. PASCOE	ESRICH				SHD	
B37451	BLOCK DIAGRAM, WWT, IAS INTERVENTION REGISTERS MATRIX #2, 420		G. YOUNG	C. PASCOE	ESRICH				SHD	
B37452	BLOCK DIAGRAM, WWT, IAS INDICATOR LIGHT MATRIX 420, WWT		G. YOUNG	C. PASCOE	ESRICH				SHD	
A37453	BLOCK DIAGRAM, OUTPUT CODER AND CONTROL 1220, WWT		G. YOUNG	A. GRIFFIN	ESRICH				JAOBRIEN	
A37454	BLOCK DIAGRAM, OUTPUT CODER CONTROL 1222, WWT		G. YOUNG	A. GRIFFIN	ESRICH				JAOBRIEN	
SA37455-1	BLOCK DIAGRAM, WWT, 515 SCOPE INTENSIFICATION CONTROL		G. YOUNG	G. YOUNG						
SA37456-1	BLOCK DIAGRAM, 512, WWT SCOPE SELECTION CONTROL		G. YOUNG	G. YOUNG						
B37457	BLOCK DIAGRAM, WWT INSERTION REGISTERS 562		G. YOUNG	B. MOON	JAOBRIEN				SHD	
B37458	BLOCK DIAGRAM, WWT ACTIVATE REGISTER #0 561		G. YOUNG	B. MOON	JAOBRIEN				SHD	
C37459	PRINTING PROGRAM		J. NOLAN	E. VOEDISCH						MN
SE37460	BLOCK DIAGRAM, CENTRAL CONTROL MTC		P. BAGLEY	P. BAGLEY						~OBSOLETE~
SB37461-2	BLOCK DIAGRAM, DUMMY MITE RACK K9		E. RICH	R. PADDACK						

29

37462

DRAWING NUMBER	TITLE	USED IN	ORIGI-NATOR	DRAWN BY	ENG'G APPROVAL	GRADED			CLASS	REMARKS
						1	2	3		
B 37462	STEPPING REGISTER TIME PULSE DISTRIBUTOR MODEL E FIG. 10		I. ARONSON	B. MOON 4-29-53					MN	
B 37463	STEPPING REGISTER TIME PULSE DISTRIBUTOR MODEL C FIG. 8		I. ARONSON	C. SMALL 4-29-53					MN	
B 37464	STEPPING REGISTER TIME PULSE DISTRIBUTOR MODEL D		I. ARONSON	C. SMALL 4-29-53					MN	
D 37465	BLOCK DIAGRAM, WWT, BUFFER DRUM ANGULAR POSITION SELECTOR, 1140		B. MORRIS	B. MORRIS 4-29-53				SHD 6-11-53	MN	
C 37466-1	BLOCK DIAGRAM, WWT, 1150 BUFFER DRUM GROUP SELECTOR		B. MORRIS	B. MORRIS 4-29-53				SHD 6-8-53	MN	
C 37467-1	BLOCK DIAGRAM READING AND WRITING CIRCUITS GROUPS FOUR-SEVEN, BUFFER DRUM, WWT		B. MORRIS	B. MORRIS 4-29-53				SHD 6-8-53	MN	
B 37468-1	BLOCK DIAGRAM, WWT, BUFFER DRUM, 1110 STORAGE CONTROL		B. MORRIS	B. MORRIS 4-29-53				SHD 6-8-53	MN	
A 37469-1	BLOCK DIAGRAM, WWT, BUFFER STORAGE DRUM TIMING CONTROL, 1120 WWT		B. MORRIS	B. MORRIS 4-29-53					MN	
B 37470	BLOCK DIAGRAM, IOS MISC. MATRIX 430, WWT		G. YOUNG	A. GRIFFIN 7-17-53	ESRICH 7-9-53			JAOBRIAN 7-20-53		
C 37471-1	BLOCK DIAGRAM, 1170 READING+WRITING CIRCUITS GROUPS THREE, B.D.S., WWT		B. MORRIS	B. MORRIS 5-4-53				SHD 6-3-53	MN	
C 37472-1	BLOCK DIAGRAM, 1170, READING AND WRITING CIRCUITS, GROUP TWO, B.D.S., WWT		B. MORRIS	B. MORRIS 5-4-53				SHD 6-3-53	MN	
D 37473-1	BLOCK DIAGRAM, 1160, MULTIPLE TERMINAL EQUIPMENT SELECTOR, B.D.S., WWT		B. MORRIS	B. MORRIS 5-4-53				SHD 6-3-53	MN	
D 37474	BLOCK DIAGRAM 1170 READ-WRITE CONTR., GROUPS TWO AND THREE B.D.S., WWT		B. MORRIS	B. MORRIS 5-7-53				SHD 6-11-53	MN	
D 37475	BLOCK DIAGRAM 1100 BUFFER MAGNETIC DRUM SYSTEM (BDS), WWT		B. MORRIS	B. MORRIS 5-7-53				SHD 6-11-53	MN	
SB 37476	BLOCK DIAGRAM WWT, 516, NUMERICAL DISPLAY		G. YOUNG	G. YOUNG 5-8-53						
SA 37477	A "DRUM DEMAND" SAMPLING SYSTEM									CONFIDENTIAL
A 37478	ORIGINAL LOGIC FOR PRODUCTION TESTER		SHALLERER	C. PASCOE 5-22-53					MN	
SA 37479	SCHEME 1 - SCHEME 2	M NOTE	W. CANTY	W. CANTY 6-22-53						
SA 37480	SCHEME 3 - SCHEME 4	M NOTE	W. CANTY	W. CANTY 5/28/53						
SA 37481	SCHEME 5 - SCHEME 6	M NOTE	W. CANTY	W. CANTY 5-28-53						
SA 37482	SCHEME 7 - SCHEME 8	M NOTE	W. CANTY	W. CANTY 5-28-53						

29

37483

DRAWING NUMBER	TITLE	USED IN	ORIGI-NATOR	DRAWN BY	ENG'G APPROVAL	GRADED			CLASS	REMARKS
						1	2	3		
SA 37483	BLOCK DIAGRAM: DIGIT. PULSE DRIVING SCHEMES. A, B, C FIGURE 7	M. NOTE	WCANTY	WCANTY						
SA 37484	FIGURE 8, BLOCK DIAGRAM: DIGIT PULSE DRIVING SCHEMES D	M. NOTE	WCANTY	WCANTY						
SA 37485	BLOCK DIAGRAM OF "READ" OPERATION		RPEAFF	RPEAFF						~ OBSOLETE ~
SA 37486	BLOCK DIAGRAM OF "PRINT" OPERATION		RPEAFF	RPEAFF						~ OBSOLETE ~
SB 37487	BLOCK DIAGRAM OF TRANSIENT DETECTOR & COUNTER		D. MACH	D. MACH						
SA 37488	BLOCK DIAGRAM PRIORITY CHECKING MTC		P. PIERCE	P. PIERCE						
SA 37489	BLOCK DIAGRAM #1 OF DISPLAY SCOPE		H. ZIEMAN	H. ZIEMAN						
SA 37490	BLOCK DIAGRAM #2 OF DISPLAY SCOPE		H. ZIEMAN	H. ZIEMAN						
SA 37491	WAVEFORM GENERATORS AND REGISTERED OUTPUTS		P. BURTON	P. BURTON						
SA 37492	WAVEFORM DISPLAY COLLECTION		P. BURTON	P. BURTON						
A 37493	SYSTEM BLOCK DIAGRAM		A. KROMER	R. BARNARD						~ SECRET ~
SI 37494	FUNCTIONAL LOGIC TESTER DRAWING		R. JENNEY	R. JENNEY						
SA 37495	AUTOMATIC LOGIC TESTER SCHEMATIC		R. JENNEY	R. JENNEY						
SA 37496	AUTOMATIC LOGIC TESTER CORE HANDLING LOGIC		R. JENNEY	R. JENNEY						
B 37497	BLOCK DIAGRAM WAVE OUTPUT SIZES 13.81 WAVE		G. YOUNG	A. GRIFFIN	ESRICH				SHD	
SA 37498	FERRITE MEMORY CORE EVALUATION LOGIC		J. FREEMAN	J. FREEMAN						
A 37499	BLOCK DIAGRAM OF COORDINATE INVERSION SYSTEM		J. DUNN	M. J. JONES						
37500										
37501										
37502										
37503										