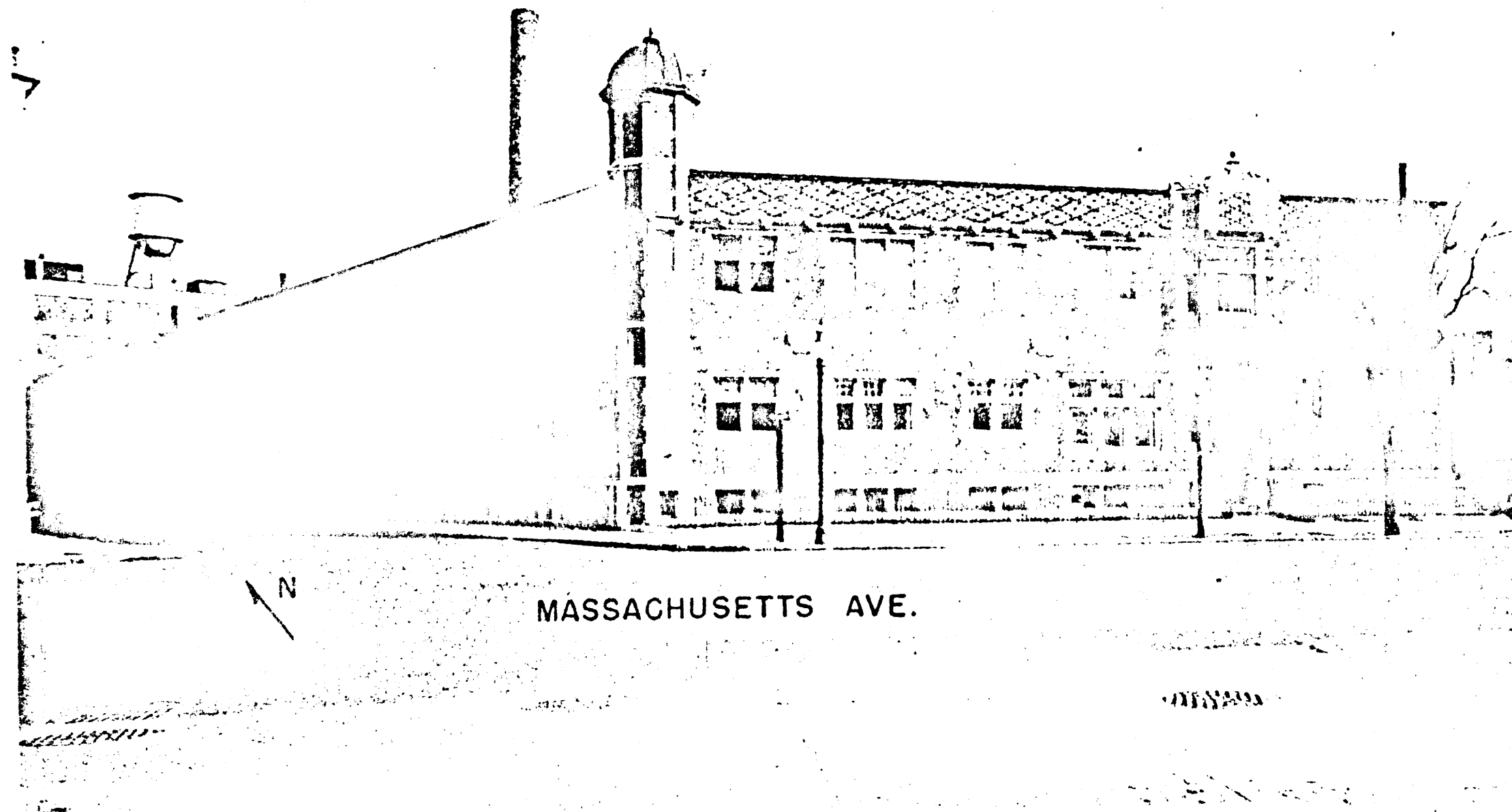


WHIRLWIND I

MASTER DRAWING LIST AND GENERAL RACK LAYOUT OF COMPUTER

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
DIGITAL COMPUTER LABORATORY
DEPT. OF ELECTRICAL ENGINEERING
CAMBRIDGE 39, MASS.

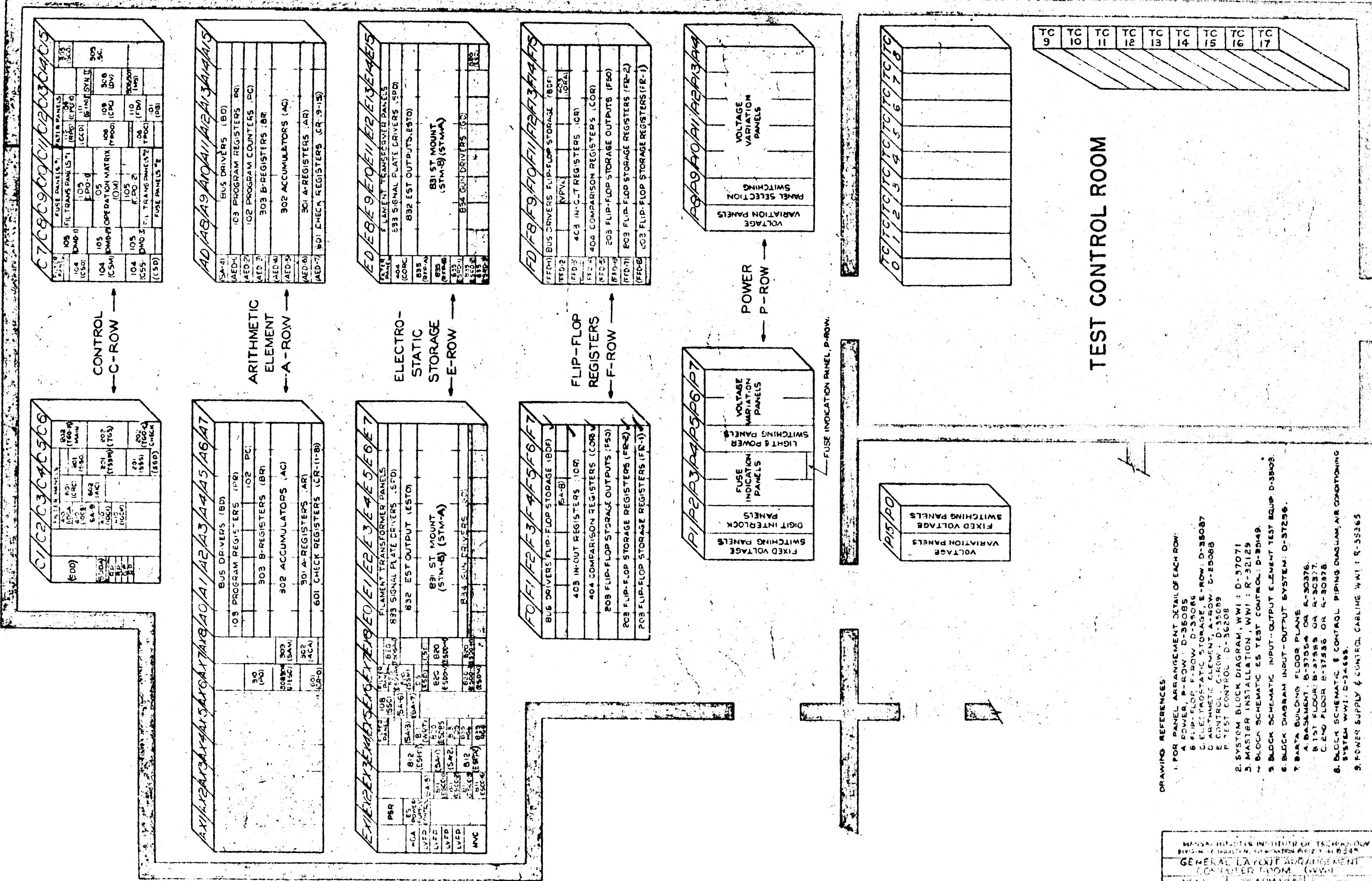
REV 1 OCT 51
REV. 20 FEB. 51
REV. 24 AUG. 50
REV. 22 MAY 50
ISSUED 14 FEB. 50



BARTA BUILDING

DEPT. OR ACTIVITY	BARTA BUILDING FLOOR	FLOOR PLAN AND LAYOUT	SECURITY ALARM P.A. SYSTEM DETEX WATCH CONTROL	ROOM DESIGNATIONS AND SQ. FT. AREAS	FIRE EXT. LOCATIONS AND EXIT ASSIGNMENTS	POLAROID DWGS. FOR REF. ONLY	A.C. ELECTRIC POWER DIST. AND FUSE BOX LOCATIONS
POWER-ES LABS.	BASEMENT	R-30376	R-31055	B-30385	B-34904	N62014	R-30388
SHOPS-CAFETERIA-DRAFTING-STOCKRM	1ST FLOOR	R-30377	R-31056	B-30386	B-34905	N62015	R-30389
COMPUTER-ADM. AND ENG. OFFICES	2ND FLOOR	R-30378	R-31057	B-30387	B-34906	N62013	R-30390
AIR CONDITIONING	PENTHOUSE	E-37573					

WHITTEMORE BLDG.		
2ND FLOOR	PARTITIONS	FLOOR LAYOUT
BLDG. #2	R-50231	R-50166 (B)
BLDG. #3	R-50230	R-50167 (B)
BLDG. #2	B-50343	
BLDG. #3	B-50344	
PROP. ENTRANCE (PARKING AREA) D-50181		
PROP. ENTRANCE (ALBANY ST.) D-50342		
BLDG. LAYOUT D-50226		



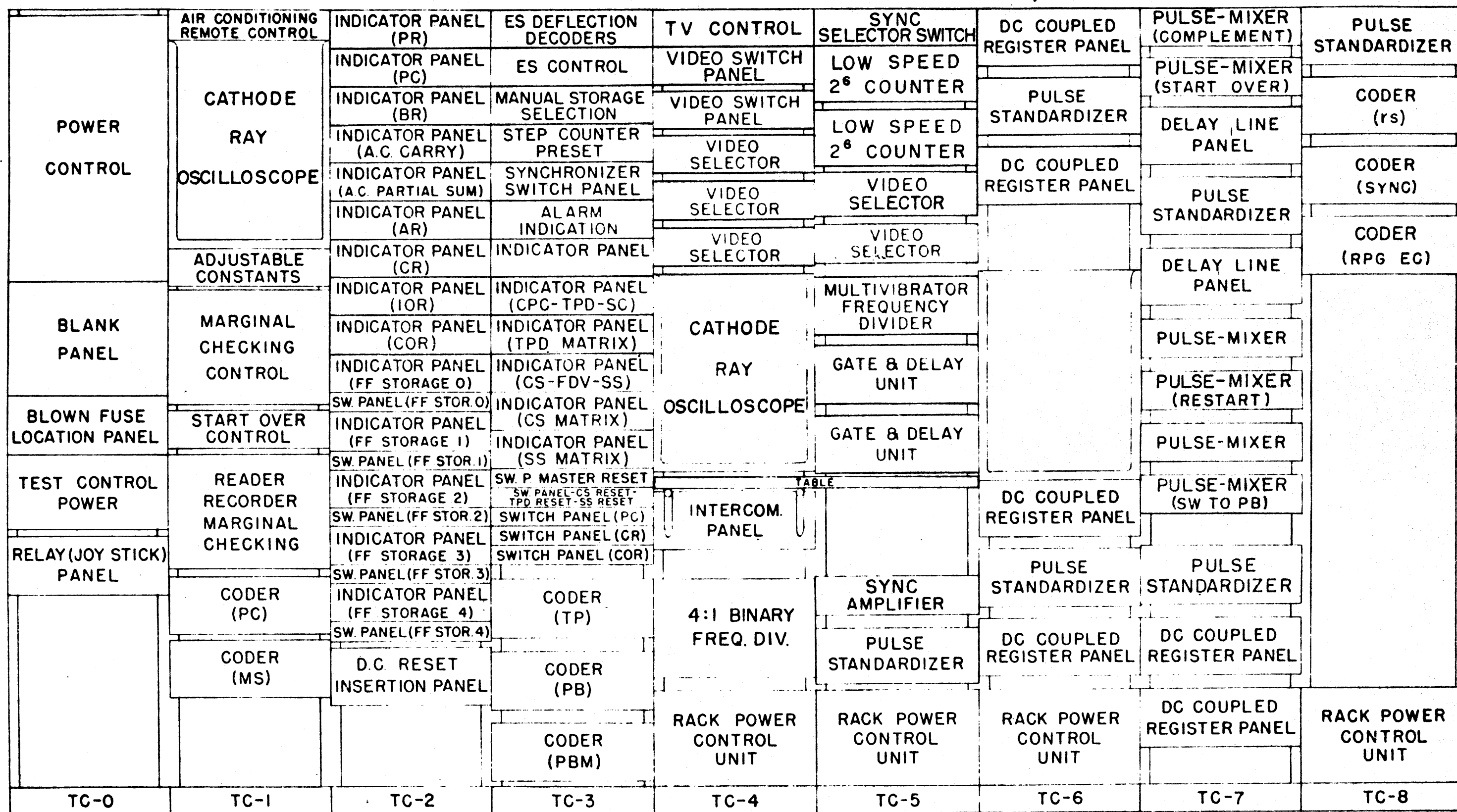
- DRAWING REFERENCES:**
- FOR PANEL ARRANGEMENT DETAIL OF EACH ROW:
 - A. POWER, P-ROW: D-35085
 - B. FLIP-FLOP, F-ROW: D-35086
 - C. ELECTROSTATIC STORAGE, E-ROW: D-35087
 - D. ARITHMETIC ELEMENT, A-ROW: D-28088
 - E. CONTROL, C-ROW: D-35089
 - F. TEST CONTROL: D-35208
 - SYSTEM BLOCK DIAGRAM, WMI: D-37071
 - MASTER INSTALLATION, WMI: R-32129
 - BLOCK SCHEMATIC TEST CONTROL: D-35149
 - BLOCK SCHEMATIC INPUT-OUTPUT ELEMENT TEST EQUIP: D-35103
 - BLOCK DIAGRAM INPUT-OUTPUT SYSTEM: D-37256
 - BARYA BUILDING FLOOR PLANS:
 - A. BASEMENT: D-37554 OR A-30376
 - B. 1ST FLOOR: B-37555 OR B-30377
 - C. 2ND FLOOR: C-37556 OR C-30378
 - BLOCK SCHEMATIC & CONTROL PIPING DIAGRAM, AIR CONDITIONING SYSTEM WMI: D-34488
 - POWER SUPPLY & CONTROL CABLING WMI: R-35366

NAVY AIR FORCE INSTITUTE OF TECHNOLOGY
 DIVISION OF INDUSTRIAL CONSTRUCTION
GENERAL LAYOUT ARRANGEMENT
 CONTROL ROOM (C-ROW)

DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____

D-35266

DOORWAY
TO
COMPUTER
ROOM



DRAWING REFERENCES:

1. POWER SUPPLY & CONTROL CABLING SYSTEM: R-35365
2. MASTER WIRING SCHEDULE COMPUTER POWER INSTALLATION: E-34250
3. BLOCK DIAGRAM, INTERIM CONTROL & TERMINAL EQUIPMENT (WWI): R-37291
4. WIRING SCHEDULE VIDEO PROBE POWER DISTRIBUTION SYSTEM: D-35351
5. WIRING SCHEDULE, ES POWER SUPPLY CONTROL AND METERING SYSTEM, WWI: D-35559
6. WIRING SCHEDULE FLIP-FLOP INDICATOR SYSTEM ARITHMETIC ELEMENT TO CONSOLE ROOM, WWI: D-32179
7. WIRING SCHEDULE, INDICATION LIGHTS & DIGIT POWER CUTOFF RACKS, P1, P2, P3, P4: D-33704
8. WIRING SCHEDULE, FUSE ALARM SYSTEM WWI: D-33035
9. SYSTEM BLOCK DIAGRAM WWI: D-37071

NOTES:

10. BLOCK SCHEMATIC ES TEST CONTROL: D-35149
11. BLOCK SCHEMATIC INPUT-OUTPUT ELEMENT TEST EQUIPMENT: D-35109
12. BLOCK DIAGRAM INPUT-OUTPUT SYSTEM: D-37256
13. BLOCK SCHEMATIC, TEST CONTROL: D-36038

1. THIS DRAWING INDICATES TUBE SIDE OF TC ROW.
2. STANDARD ABBREVIATIONS INDICATING ITS USE IN THE COMPUTER ARE SHOWN IN PARENTHESIS IMMEDIATELY BELOW PANEL TITLES.

*1 +500V ED, EO-15, EO-15, EO-15, EO-15, TC-9	*1 +150V EX7, EO-15 EX8	*1 +250V RACKS (0+8, 4+12)(1+9,5+13) (2+10,8+14)	*1 +150V RACKS (0+8, 4+12)(1+9,5+13) (2+10,8+14)	*1 +90V RACKS(0+8, 4+12)(1+9,5+13) (2+10,8+14)	*1 +120V RACKS(0+8, 4+12)(1+9,5+13) (1+9,5+13)	*1 +120V RACKS C13, C13, C13	*1 CONSOLE POWER	*1 GND RACKS F0+F9 F4+F12,F0+F8 F4+F12,F1+F9, F5+F13	
*2 +250V ED, CI, EO-15, EO-15, EX7, EX3-5	*2 +90V ED, EX7 EO-E15	*2 +250V RACKS (3+11, 7+15) SP, SP	*2 +150V RACKS (3+11, 7+15) SP, AX6	*2 +90V RACKS (3+11, 7+15) SP, AX4	*2 +120V RACKS (1+9, 5+13)(2+10,8+14) (2+10,8+14)	*2 +120V RACKS C13, SP, C13	*2 CONSOLE POWER	*2 GND RACKS F1+F9 F5+F13,F2+F10 F6+F14,F2+F10 F2+F14	
*3 +250V EX1, E15, EO-15, EO-15, AX6, C13	*3 +90V RACKS EX3-5, EO-15, EX7	*3 +250V RACKS AX4, AX6, AD+FD	*3 +250V RACKS AX6, AX6, AD+FD	*3 +90V RACKS AX6, AX6, RD	*3 +120V RACKS (3+11, 7+15)(3+11,7+15) AX4	*3 +90V RACKS EO-E15, EX3+5, EX8	SWITCH SECTION	*3 GND RACKS (F3+ F9)(F7+F15) (F3+F9)(F7+ F15),C1+C2	
*4 +150V ED, EO-15, SP, EX7, EX8, EX8	*4 +120V RACKS ED, ED, ED	*4 +250V RACKS AX7-8 +C14, C5, C5- 6-7	*4 +150V RACKS AX7-8 +C14, SP, C5- 6-7	*4 +90V RACKS AX7-8 +C14, C5, C5- 6-7	*4 +120V RACKS C3, C3, C3	*4 +90V RACKS EX4, EX5, EX5		*4 GND RACKS C1+C2, AX4, AX4	
*5 +150V CI, EX3-5, EX3-5, EX3-5, C3, C3	*5 +120V RACKS EO-15, EO-15, EO-15	*5 +250V RACKS C7, C9-10-11, C4	*5 +150V RACKS C8, C12, SP	*5 +90V RACKS C7, C9-10-11, C4	*5 +120V RACKS C8, C1, C1	*5 +120V RACKS EO-E15, EO-E15, EO-E15		*5 GND SP, SP, SP	
*6 -150V AX6, SP, SP, SP, ED, CI+C2	*6 +120V RACKS EO-15, EO-15, EO-15	*6 +250V RACKS SP, C15, C13	*6 +150V RACKS C13, C15, C13	*6 +90V RACKS C13, C15, C12	*6 +120V RACKS AX6, C15, C15	*6 +120V RACKS EO-E15, EO-E15, EO-E15		*6 GND C14+C15, C14+C15, SP	
*7 -150V C3, EO-15, EX7, EX8, EX3-5, C1	*7 +120V RACKS EX7, EX7, EX7	*7 +250V RACKS C12, C13, C12	*7 +150V RACKS SP, SP, C4	*7 +90V RACKS C5, C13, C12	*7 +120V RACKS AX7-8+ C14, AX7-8+C14, AD+FD	*7 +120V RACKS EO-E15, EO-E15, EO-E15		*7 GND SP, EX7+8, EX7+8	
*8 -150V C12, C14+C15, (0+8,4+12)(1+9, 5+13)(2+10,8+14) (3+11,7+15)	*8 +120V RACKS EO-15, EO-15, SP	*8 +250V RACKS C4, RACKS C13, C5, C7	*8 +150V RACKS C13, C5, C7	*8 +90V RACKS C4, C3, C3	*8 +120V RACKS A3, C4, C4	*8 +120V RACKS EX3+5, EX3+5, SP		*8 GND ED, ED, EX1	
*9 +90V EO-E15, CI, C3, C12, VPAX8, VPAX8	*9 +120V RACKS EX3-5, EX3-5, EX3-5	*9 -150V RACKS C5, C7, C8	*9 +120V RACKS C7, C7, C5	*9 +90V RACKS C7, C7, C5	*9 +120V RACKS SP, SP, SP	*9 GND RACKS SP, SP, SP		*9 GND RACKS SP, SP, SP	
*10 +120V EO-15, EX7, CI, SP, C5, C7	*10 +120V RACKS EX3-5, EX3-5, EX3-5	*10 +250V RACKS SP, PETR, PETR	*10 -150V RACKS C13, C12, SP	*10 +90V RACKS C1+C2, SP, SP	*10 +120V RACKS C5, C12, C12	*10 +120V RACKS SP, SP, SP		*10 GND RACKS SP, SP, SP	
*11 -15V (C9, C10, C11), C12, C13, C15, (AX7-8, C14)(AX7-8, C14)									
*12 -15V ED, C5-6-7, EX7, C4, EX8, AD+FD									
*13 -15V EO-15, EX3-5, SP, SP, C8, C3									
P0	P15	P14	P13	P12	P11	P10		P9	P8
FIXED VOLTAGE VARIATION	VOLTAGE VARIATION	VOLTAGE VARIATION	VOLTAGE VARIATION	VOLTAGE VARIATION	VOLTAGE VARIATION	VOLTAGE VARIATION		PANEL SELECTION SWITCHING	VOLTAGE VARIATION

*1 READ RECORD	*1 +150V RACKS EO-E15, EO-E15, EO-E15	DC POWER DISTRIBUTION	*1 RACKS A4, A5, A6, A7	*1 RACKS F0, F1, F2, F3	*1 RACKS 3+11, 2+10, 1+9, 0+8	*1 +150V (7+15, 3+11)(7+15, 3+11)(6+14, 2+10) (6+14, 2+10)(5+13, 1+9)
*2 READ RECORD	*2 +150V RACKS EO-E15, ED, ED		*2 RACKS A8, A9, A10, A11	*2 RACKS F4, F5, F6, F7	*2 RACKS 7+15, 6+14, 5+13, 4+12	*2 +150V (4+12, 0+8) (4+12, 0+8) 4 250V CIRCUIT FOR EO-E15
*3 ES, HV, PWR, EX2, EX1, EX1	*3 +150V RACKS EO, ED, ED		*3 RACKS A12, A13, A14, A15	*3 RACKS F8, F9, F10, F11	*3 RACKS AD+FD, EX7-8, AX7-8, C8	*3 -300V F-0 THRU F-15
*4 ES, HV, PWR, EX1, ED, SP	*4 +150V RACKS EO-E15, EO-E15, EO-E15		*4 RACKS C1, C2, C3, C4	*4 RACKS F12, F13, F14, F15	*4 RACKS C1-C4, C5-6, ED, EX3 -4	*4 +150V AX7-8+C14, AX7-8+C14, C15, SP, C12, AX6
	*5 +150V RACKS EO, EX7, EX8		*5 RACKS C1, C2, C3, C4	*5 RACKS EX1, EX2, EX3, EX4	*5 RACKS C1-C4, C5-6, ED, EX3 -4	*5 +150V C1, C13, C13, SP, SP, C7
			*6 RACKS C9, C10, C11, C12	*6 RACKS EX5, EX6, EX7, EX8	*6 RACKS C9-10, EX5, C12-13, C15	*6 +150V C9-10-11, C4, C4, C5, SP, C5-6-7
*6 -30V RACKS SP, SP, C12			*7 RACKS C13, C14, C15, FD	*7 RACKS EO, E1, E2, E3	*7 RACKS C9-10, EX5, C12-13, C15	*7 -30V C5-6, C7, C5, C5, C12, AX7-8+C14
			*8 RACKS SP, SP, C12	*8 RACKS E4, E5, E6, E7	*8 RACKS E8-9, E10-11, E12-13,	*8 -30V (7+15, 3+11)(6+14, 2+10)(5+13, 1+9) (4+12, 0+8), SP, SP
			*9 RACKS SP, SP, C12	*9 RACKS E8, E9, E10, E11	*9 RACKS EO-1, E2-3, E4-5, E6-7	*9 -30V SP, AX6, ED, EO-15, FD, CI
*8 -15V RACKS SP, SP, SP			*10 RACKS SP, SP, SP	*10 RACKS E12, E13, E14, E15	*10 RACKS EO-1, E2-3, E4-5, E6-7	*10 +90V (7+15, 3+11)(6+14, 2+10)(5+13, 1+9) (4+12, 0+8), SP, SP
*9 -15V RACKS C4, C3, C3	*9 +250V RACKS SP, ED, EX3-5		*11 RACKS C4, C3, C3	*11 RACKS AX1, AX2, AX3, AX4	*11 RACKS AX6, EX6, C2, AX4	*11 +90V AX4, AX6, AD +FD, C15, SP, C8
*10 -15V RACKS AX6, C6, AX6	*10 +250V RACKS ED, ED, ED		*12 RACKS AX6, AX6, AX7, AX8	*12 RACKS AX5, AX6, AX7, AX8	*12 RACKS (AUX) C11, C14, AX8, C7, C3, ED	*12 -15V (7+15, 3+11)(6+14, 2+10)(5+13, 1+9) (4+12, 0+8), C1, C1
P7	P6		P5	P4	P3	P2
VOLTAGE VARIATION	VOLTAGE VARIATION	LIGHT & POWER SWITCHING	FUSE INDICATION	FUSE INDICATION	DIGIT INTERLOCK	FIXED VOLTAGE SWITCHING

NOTES

- 1 SP-SPARE CIRCUIT, VP-VIDEO PROBE
- 2 THIS DRAWING INDICATES THE SIDE OF P-ROW AWAY FROM WALL OF COMPUTER ROOM.
- 3 RACKS P0 & P15 ARE LOCATED IN ROOM ADJACENT TO COMPUTER.
- 4 PANEL IDENTIFICATION IS SHOWN AT BOTTOM OF EACH ROW.
- 5 PANELS #1 & #2 (CONSOLE POWER) IN RACK P9 ARE FIXED VOLTAGE TYPE SWITCHING PANELS.
- 6 A FUSE PANEL (NOT SHOWN ON THIS DRAWING) IS MOUNTED ABOVE RACKS P6, P7, P8, & P10 THRU P15 INCLUSIVE.
- 7 WHERE NO RACK DESIGNATION EXISTS, (L.e. 1+9), A & B ROW RACKS ARE CONNECTED IN PARALLEL. L.e. RACKS A1, A9, & F9 ARE CONNECTED IN PARALLEL.

DRAWING REFERENCES

- 1 MASTER WIRING SCHEDULE: E-34250
- 2 MASTER INSTALLATION: R-32129
- 3 RACK LOCATION & INSTALLATION DWS. LIST: B-35046
- 4 SYSTEM POWER DISTRIBUTION: D-32604
- 5 POWER DISTRIBUTION (OVERHEAD) BUSSES: E-32760
- 6 POWER SUPPLY & CONTROL CABLING DIAGRAM: R-36366
- 7 BLOCK DIAGRAM RACK SWITCHING UNIT: E-35309
- 8 TYPICAL CIRCUITS-POWER DISTRIBUTION & FUSE ALARM SYSTEM COMPUTER ROOM: D-35228
- 9 WIRING DIAGRAM, WWI POWER CONVENIENCE OUTLETS: B-50144
- 10 CIRCUIT SCHEMATIC, FUSE INDICATION & POWER CONTROL, VIDEO PROBE POWER: C-36242
- 11 SCHEMATIC, POWER INTERLOCK TIMERS RACK P5: D-80460
- 12 WIRING SCHEDULES:
 - A. RESET CONTROLS, FF STOR. & AE: D-34227
 - B. FF IND. SYSTEM, FF STOR. TO CONSOLE: D-32180
 - C. FF IND. SYSTEM AE TO CONSOLE: D-32179
 - D. FF IND. & RESETS, E ROW: D-35849
 - E. FF IND. PRESETS & RESETS, C ROW: D-34092

12. (WIRING SCHEDULES, CONT.)
 - F. POWER RACKS TO CONTROL RACKS, D.C. POWER: D-33885
 - G. POWER RACKS TO REPETITIVE ELEMENTS, D.C. POWER: D-33984
 - H. POWER RACKS TO E.S. RACKS, D.C. POWER: D-35107
 - I. IND. LIGHTS & DIGIT PWR. CUTOFF, RACKS P1, P2, P3, P4: D-33704
 - J. FUSE ALARM SYSTEM: D-33035
 - K. INDICATOR LIGHTS & INDICATOR POWER, RACKS P3 & P4: D-33774
 - L. VOLTAGE VARIATION INTERLOCK SYSTEM: D-33811
 - M. E.S. PWR. SUPPLY CONTROL & METERING SYSTEM: D-35559
 - N. VIDEO PROBE POWER DISTRIBUTION SYSTEM: D-35351

FIXED VOLTAGE SWITCHING	PO	FIXED VOLTAGE VARIATION	P15	P16	P17	# 1 +500V ED, EO-15, EO-15, EO-15, EO-15, TC-9	# 1 +150V EX 7, EO-15 EX 8	FIXED VOLTAGE SWITCHING PANELS											
						# 2 +250V ED, C1, EO-15, EO-15, EX 7, EX 3-5	# 2 +90V ED, EX 7 EO - E15		FIXED VOLTAGE SWITCHING PANELS										
						# 3 +250V EX1, E15, EO-15, EO-15, AX 6, C13	# 3 +90V RACKS EX 3-5, EO-15, EX 7			FIXED VOLTAGE SWITCHING PANELS									
						# 4 +150V ED, EO-15, SP, EX 7, EX 8, EX 8	# 4 +120V RACKS ED, ED, ED				MAGNETIC TAPE PRINT OUT READING AMPLIFIER SERIAL # 1								
						# 5 +150V C1, EX 3-5, EX 3-5, EX 3-5, C3, C3	# 5 +120V RACKS EO-15, EO-15, EO-15					MAGNETIC TAPE PRINT OUT READING AMPLIFIER SERIAL # 1							
						# 6 -150V AX 6, SP, SP, SP, ED, C1+C2	# 6 +120V RACKS EO-15, EO-15, SP						MAGNETIC TAPE PRINT OUT READING AMPLIFIER SERIAL # 1						
						# 7 -150V C3, EO-15, EX 7, EX 8, EX 3-5, C1	# 7 +120V RACKS EX 7, EX 7, EX 7							MAGNETIC TAPE PRINT OUT READING AMPLIFIER SERIAL # 1					
						# 8 -150V C12, C14 + C15, (0+8,4+12)(1+9, 5+13)(2+10,6+14) (3+11,7+15)	# 8 +120V RACKS EX 8, EX 8, EX 8								MAGNETIC TAPE PRINT OUT READING AMPLIFIER SERIAL # 1				
						# 9 +90V EO-E15, C1, C3 C12, VPAX 8, VPAX 8	# 9 +120V RACKS EX 3-5, EX 3-5, EX 3-5									MAGNETIC TAPE PRINT OUT READING AMPLIFIER SERIAL # 1			
						# 10 +120V EO-15, EX 7, C1, SP, C5, C7	# 10 +120V RACKS EX 3-5, EX 3-5, EX 3-5										MAGNETIC TAPE PRINT OUT READING AMPLIFIER SERIAL # 1		
						# 11 -15V (C9, C10, C11), C12, C13, C15, (AX 7-8, C14)(AX 7-8, C14)	# 11 -15V RACKS EX 3-5, EX 3-5, EX 3-5											MAGNETIC TAPE PRINT OUT READING AMPLIFIER SERIAL # 1	
						# 12 -15V ED, C5-6-7 EX 7, C4, EX 8, AD+FD	# 12 -15V RACKS EX 3-5, EX 3-5, EX 3-5												MAGNETIC TAPE PRINT OUT READING AMPLIFIER SERIAL # 1
						# 13 -15V EO-15, EX 3-5, SP, SP, C8, C3	# 13 -15V RACKS EX 3-5, EX 3-5, EX 3-5												

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
 DIGITAL COMPUTER LABORATORY
 DEPT. OF ELECTRICAL ENGINEERING - D. I. C. PROJECT NO. 6889

PANEL ARRANGEMENT & VOLTAGE
 ASSIGNMENTS OF POWER P-ROW WWI

SCALE: _____ DR. C.L.G. 10-4-52 SHEET 2 OF 2
 B-35085-3

APPD. _____

ENG. 12/27/52 CK. _____

CHG.	DATE	APPD.
1-		
2-		
3-		
4-		
5-		
6-		
7-		
8-		
9-		
10-		

BUS DRIVER FLIP-FLOP STORAGE (BDF)	BUS DRIVER FLIP-FLOP STORAGE (BDF)
403, DC IN-OUT REGISTER (IOR)	403 DC IN-OUT REGISTER (IOR)
INPUT CONNECTION PANEL	IOR INPUT MIXER
842 ES PARITY REGISTER (PAR)	842 ES PARITY REGISTER (PAR)
404 IN-OUT DELAY COUNTER END CARRY CONTROL (IODCEC)	404 IN-OUT DELAY COUNTER (IODC)
203 FLIP-FLOP STORAGE OUTPUT (FSO)	203 FLIP-FLOP STORAGE OUTPUT (FSO)
203 FLIP-FLOP STORAGE REGISTER (FR-2)	203 FLIP-FLOP STORAGE REGISTER (FR-2)
203 FLIP-FLOP STORAGE REGISTER (FR-1)	203 FLIP-FLOP STORAGE REGISTER (FR-1)
F0	F1 F7

aisle

REGISTER DRIVER TYPE II (FFD-1)	BUS DRIVER FLIP-FLOP STORAGE (BDF)	BUS DRIVER FLIP-FLOP STORAGE (BDF)
REGISTER DRIVER TYPE I (FFD-2)	403 DC IN-OUT REGISTER (IOR)	403 DC IN-OUT REGISTER (IOR)
REGISTER DRIVER TYPE I (FFD-3)	842 ES PARITY REGISTER (PAR)	842 ES PARITY REGISTER (PAR)
REGISTER DRIVER TYPE I (FFD-4)	404 IN-OUT DELAY COUNTER (IODC)	404 IN-OUT DELAY COUNTER START CONTROL (IODCSC)
REGISTER DRIVER TYPE II (FFD-5)	203 FLIP-FLOP STORAGE OUTPUT (FSO)	203 FLIP-FLOP STORAGE OUTPUT (FSO)
REGISTER DRIVER TYPE I (FFD-6)	203 FLIP-FLOP STORAGE REGISTER (FR-2)	203 FLIP-FLOP STORAGE REGISTER (FR-2)
REGISTER DRIVER TYPE II (FFD-7)	203 FLIP-FLOP STORAGE REGISTER (FR-2)	203 FLIP-FLOP STORAGE REGISTER (FR-2)
REGISTER DRIVER TYPE I (FFD-8)	203 FLIP-FLOP STORAGE REGISTER (FR-1)	203 FLIP-FLOP STORAGE REGISTER (FR-1)
FD	F8 F14	F-15

IOR INPUT MIXER PANEL IS MOUNTED ON ALL ODD RACKS OF F ROW IN THIS LOCATION.

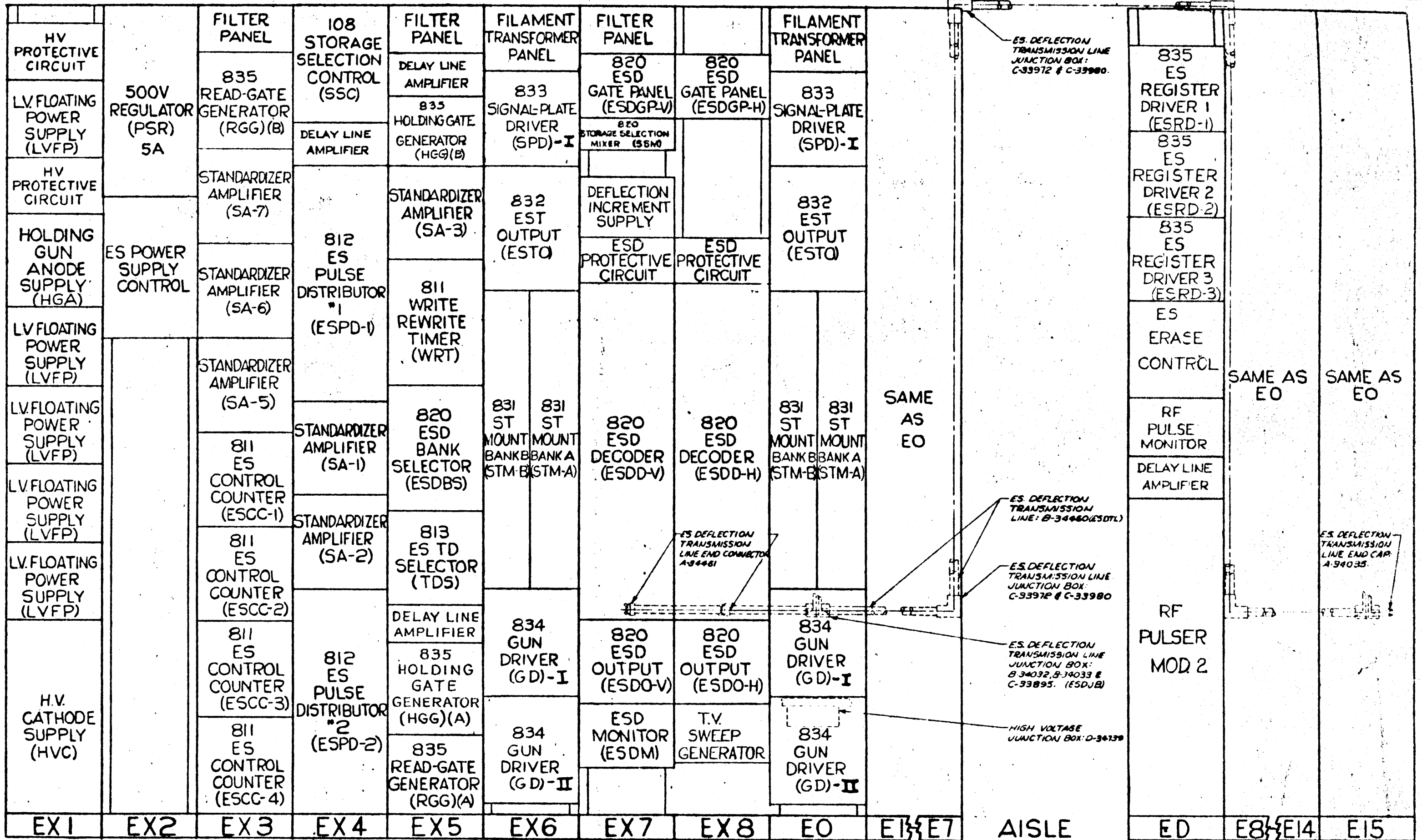
NOTES:

1. THIS DRAWING INDICATES THE COMPONENT-SIDE OF F-ROW.
2. STANDARD ABBREVIATIONS FOLLOWED BY A DASH & LETTER OR NUMBER INDICATING ITS USE IN THE COMPUTER, ARE SHOWN IN PARENTHESIS IMMEDIATELY BELOW PANEL TITLES.
3. A D.C. FILTER PANEL IS MOUNTED AT THE TOP OF EACH RACK ON TUBE SIDE.

DRAWING REFERENCES:

1. FLIP-FLOP STORAGE REGISTER DRIVER ASSIGNMENTS: E-33705.
2. BLOCK SCHEMATIC, FLIP-FLOP STORAGE CONTROL: D-31206.
3. SYSTEM BLOCK DIAGRAM, WWI: D-37071.
4. VIDEO CABLING DIAGRAM, F-ROW: R-34186.
5. MASTER INSTALLATION, WWI: R-32129.
6. WWI RACK LOCATION & INSTALLATION DWG. LIST: B-35046.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY SERVOMECHANISMS LABORATORY — ELECTRONIC COMPUTER DIVISION ELECTRICAL ENGINEERING DEPT. — D.I.C. PROJECT NO.		
PANEL ARRANGEMENT OF FLIP-FLOP REGISTERS, F-ROW, WWI		
SCALE: 1:6 (HEIGHT ONLY)	DR. J.B.N. 10-18-51	B-35086-3
ENG. 1-27-57 <i>Am</i>	CK. <i>10-20-51</i> APP.	



ES DEFLECTION TRANSMISSION LINE JUNCTION BOX: C-33972 & C-33980.

ES DEFLECTION TRANSMISSION LINE: B-34460 (ESDTL)

ES DEFLECTION TRANSMISSION LINE JUNCTION BOX: C-33972 & C-33980

ES DEFLECTION TRANSMISSION LINE JUNCTION BOX: B-34032, B-34033 & C-33895. (ESDJR)

HIGH VOLTAGE JUNCTION BOX: D-34139

ES DEFLECTION TRANSMISSION LINE END CAP: A-34035

SAME AS EO

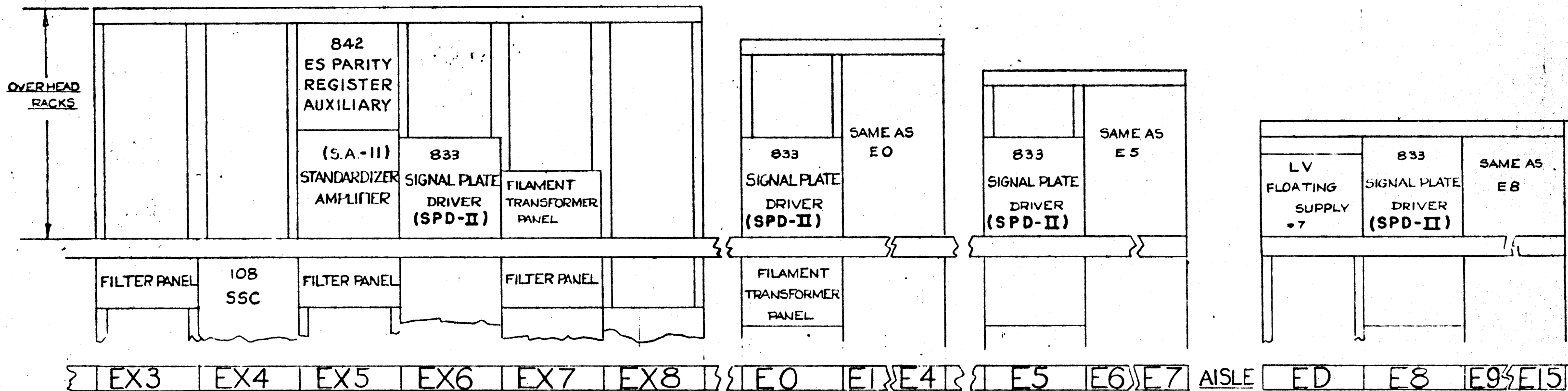
SAME AS EO

RF PULSE MONITOR

DELAY LINE AMPLIFIER

RF PULSER MOD 2

AUXILIARY RACK SPACE



NOTES:

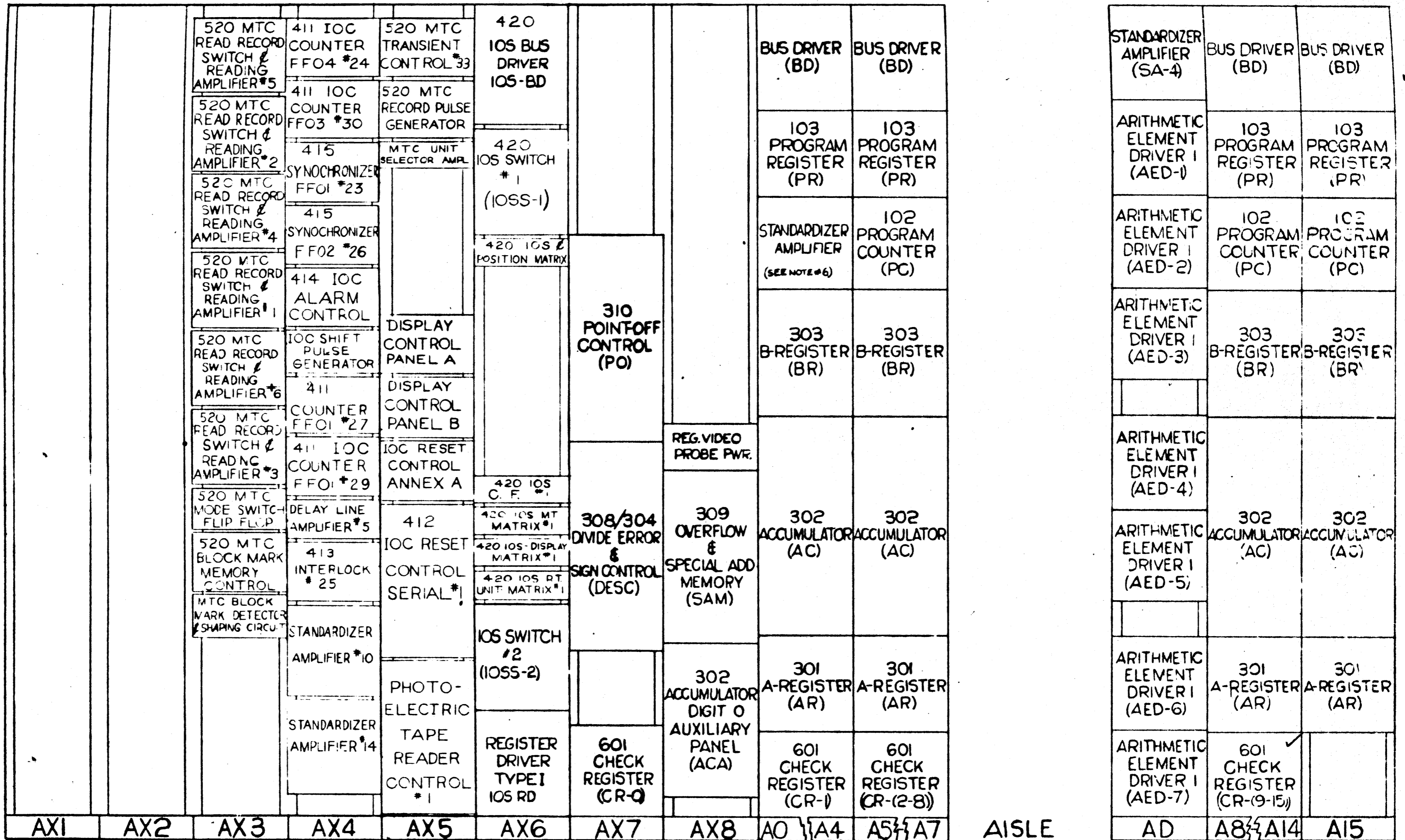
1. THIS DRAWING INDICATES THE COMPONENT SIDE OF E-ROW.
2. STANDARD ABBREVIATIONS FOLLOWED BY A DASH & LETTER INDICATING ITS USE IN THE COMPUTER, ARE SHOWN IN PARENTHESIS IMMEDIATELY BELOW PANEL TITLES.
3. DECODER INCREMENT SUPPLY IS SAME AS LOW-VOLTAGE FLOATING POWER SUPPLY.
4. A D.C. FILTER PANEL IS MOUNTED AT THE TOP OF THE FOLLOWING RACKS (TUBE SIDE) EX3-EX8, ED8 & E0-E15. NOT SHOWN, SEE D36628.
5. THERE IS A DC FILTER PANEL IN FRONT OF EACH OVERHEAD AUXILIARY RACK (ON THE TUBE SIDE) MOUNTED ON STANDOFFS, NOT SHOWN, SEE D36628.

DRAWING REFERENCES:

- CABLING & SYSTEM DIAGRAM, ES HIGH VOLTAGE: D-35307
- BLOCK SCHEMATIC, 810, ELECTROSTATIC STORAGE CONTROL, WWI: E-34418
- BLOCK SCHEMATIC, ES DIGITS: D-34776
- BLOCK SCHEMATIC, ES DEFLECTION: E-34770
- BLOCK SCHEMATIC, STORAGE-SELECTION CONTROL SYSTEM: D-34196
- BLOCK SCHEMATIC, ES REGISTER-DRIVER PANELS: D-34805
- VIDEO CABLING DIAGRAM, E-ROW, WWI: E-34470
- MASTER INSTALLATION, WWI: R-32129
- WWI RACK LOCATION & INSTALLATION DWG. LIST: B-35046
- TRANS. LINE ASSY. E-36688.
- INSTALLATION, EX3 THRU EX8, E0 THRU E15, AUXILIARY RACK SPACE E-36628
- SCHEMATIC, FILAMENT TRANSFORMER WIRING RACK ED, D50383.

SHEET 2 OF 2

SERVOMECHANISMS LABORATORY OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY DIVISION OF INDUSTRIAL COOPERATION PROJECT 86			
PANEL ARRANGEMENT OF ELECTROSTATIC STORAGE E-ROW, WWI			
SCALE 1/8"	DATE 1/23/54	APP. [Signature]	D-35087-5
DRW. [Signature]	CHK. [Signature]	APP. [Signature]	B-RELUCCY

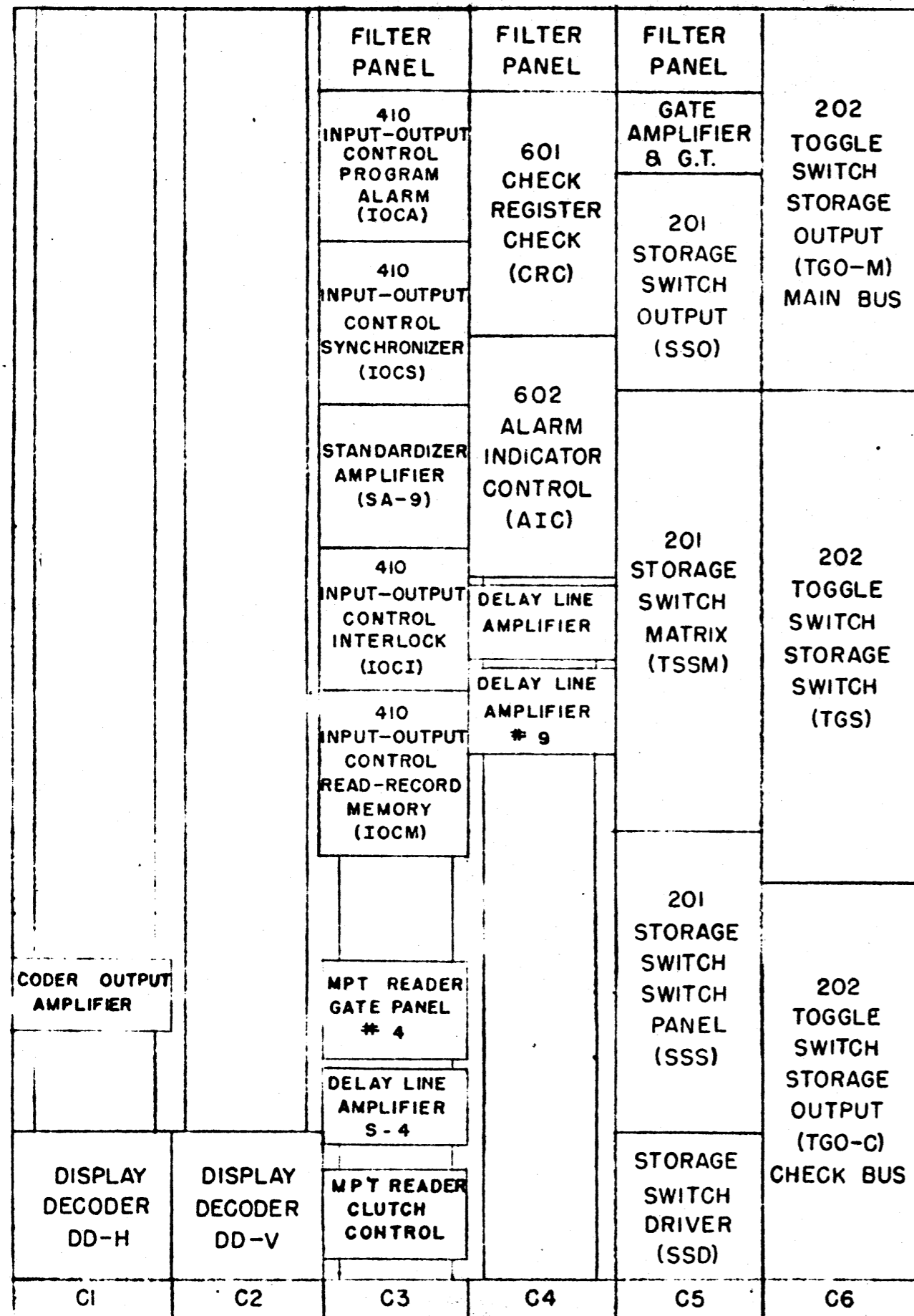


NOTES:

1. THIS DRAWING INDICATES THE COMPONENT SIDE OF A-ROW.
2. STANDARD ABBREVIATIONS FOLLOWED BY A DASH & LETTER OR NUMBER INDICATING ITS USE IN THE COMPUTER ARE SHOWN IN PARENTHESES IMMEDIATELY BELOW PANEL TITLES.
3. IN BACK AD ALL AED PANELS ARE REGISTER DRIVER, TYPE 1.
4. ALL CHECK REGISTER PANELS HAVE BEEN SHIFTED TO THE LEFT AS SHOWN.
5. A DC FILTER PANEL IS MOUNTED AT THE TOP OF (TUBE SIDE) RACKS AX7, AX8, AD, AO-A15
6. SA PANEL INSTALLED ON RACKS A3 & A4 ONLY, SA-8 IN A3, SA-10 IN A4.

DRAWING REFERENCES:

- BLOCK SCHEMATIC, AE REGISTER DRIVER ASSIGNMENTS: W60X081
 BLOCK DIAGRAM, 300, AE: D-37072
 SYSTEM BLOCK DIAGRAM, WWI: D-37071
 VIDEO CABLING DIAGRAM, A-ROW: R-90182
 MASTER INSTALLATION, WWI: R-32129
 WWI RACK LOCATION & INSTALLATION DWG LIST: B-95046



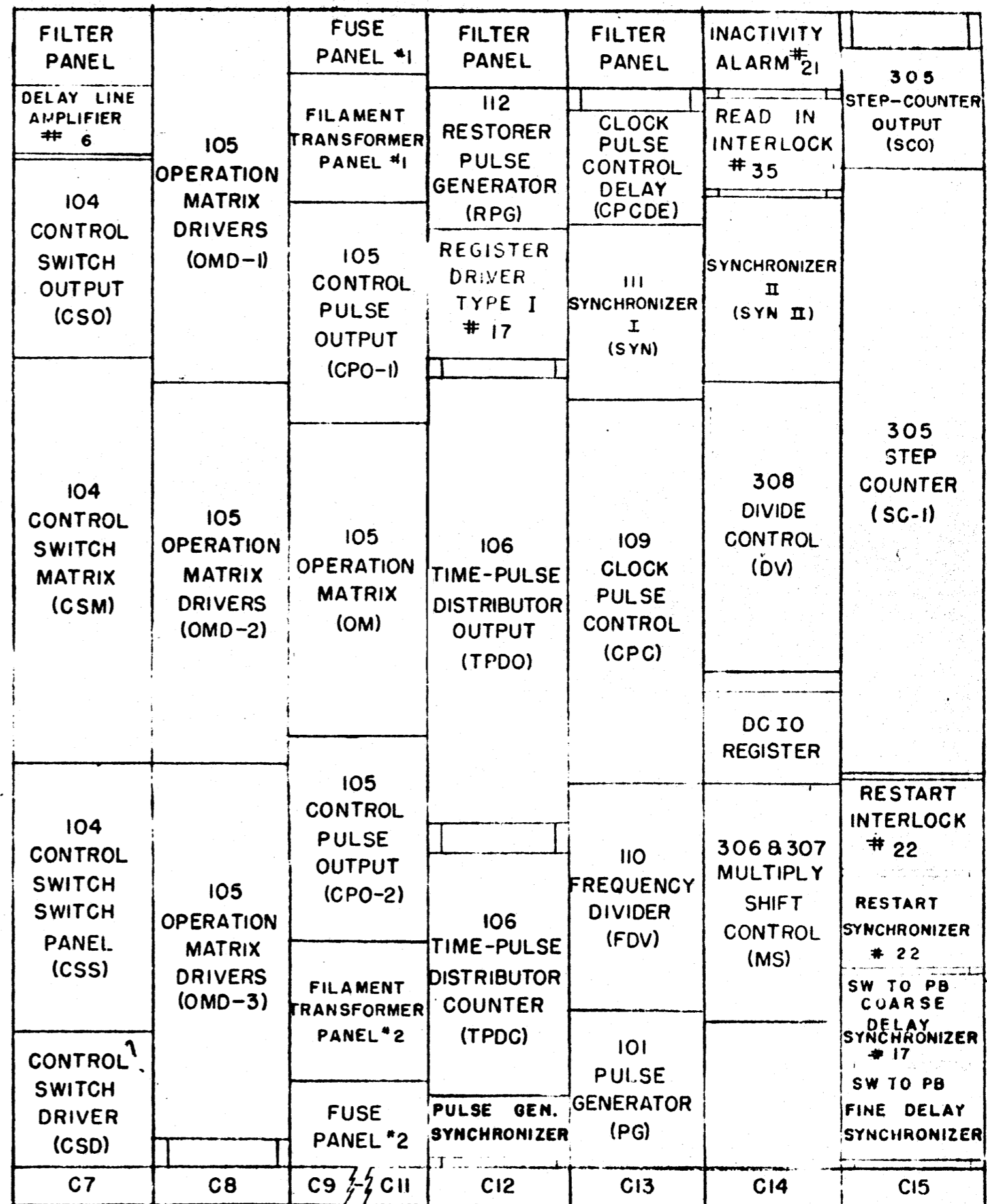
NOTES:

1. THIS DRAWING INDICATES THE COMPONENT SIDE OF C-ROW.
2. STANDARD ABBREVIATIONS FOLLOWED BY A DASH & LETTER OR NUMBER INDICATING ITS USE IN THE COMPUTER ARE SHOWN IN PARENTHESIS IMMEDIATELY BELOW PANEL TITLES.
3. THE COMPUTER CLEAR DRIVER IN C12 IS A REGISTER DRIVER PANEL TYPE I. PANEL SER. #17
4. THE CONTROL SWITCH DRIVER IN C7 AND STORAGE SWITCH DRIVER IN C5 ARE REGISTER DRIVER PANELS TYPE I.
5. A D.C. FILTER PANEL IS MOUNTED AT THE TOP OF EACH RACK (TUBE SIDE).

AISLE

DRAWING REFERENCES:

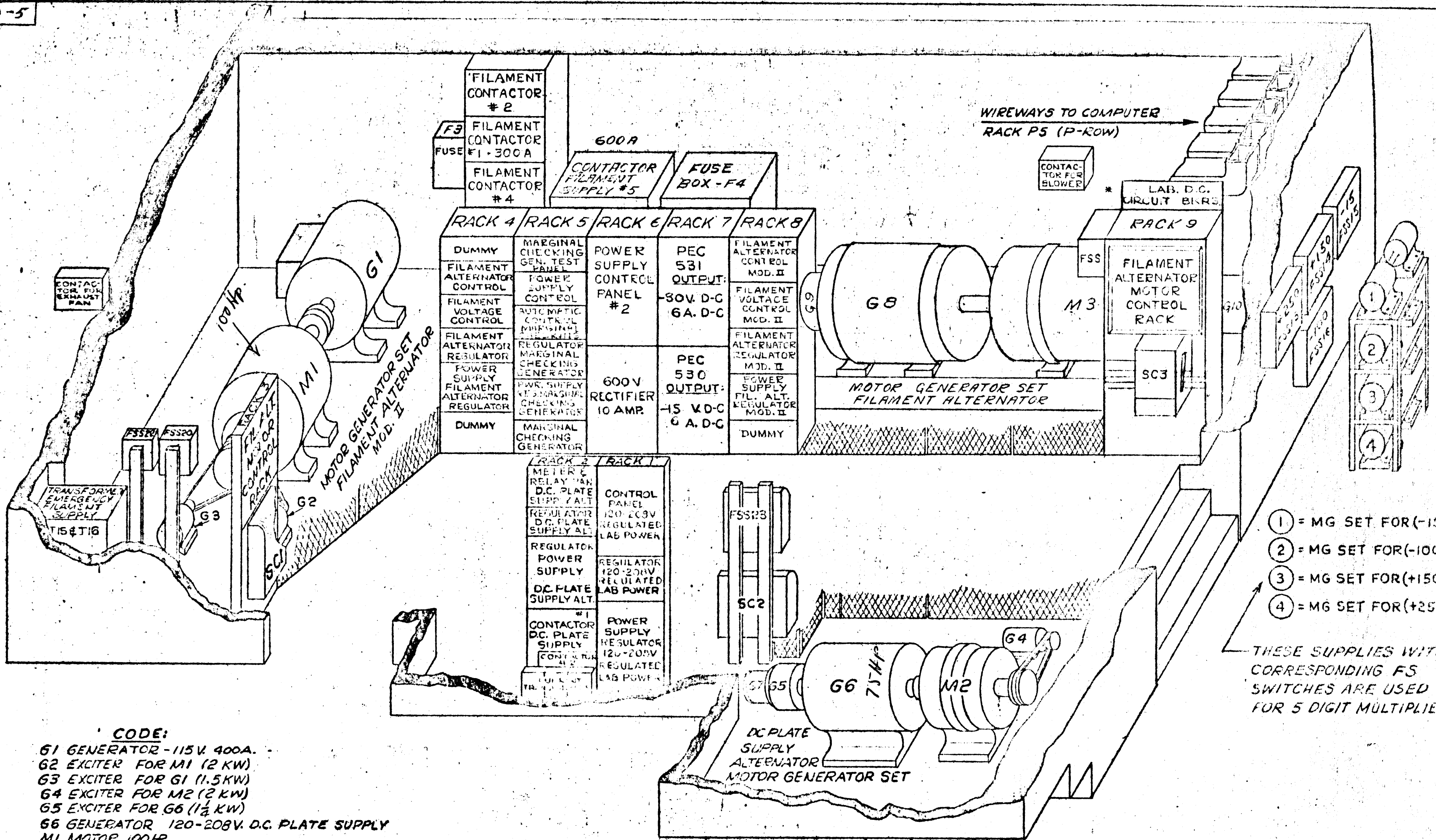
- BLOCK SCHEMATIC, 400, INPUT-OUTPUT ELEMENT: R-34866
- SYSTEM BLOCK DIAGRAM, WWI: D-37071.
- VIDEO CABLING DIAGRAM, C-ROW: R-40182.
- MASTER INSTALLATION, WWI: R-32129.
- WWI RACK LOCATION & INSTALLATION DWG. LIST: B-35046.



MASSACHUSETTS INSTITUTE OF TECHNOLOGY
SERVOMECHANISMS LABORATORY — ELECTRONIC COMPUTER DIVISION
ELECTRICAL ENGINEERING DEPT. — D.I.C. PROJECT NO.

PANEL ARRANGEMENT OF
CONTROL RACKS, C-ROW, WWI

SCALE: 1:6 (HEIGHT ONLY)	DR. J.B.N. 10-23-51
ENG. [Signature]	CK. [Signature]
B-35089-6	



WIREWAYS TO COMPUTER
RACK P5 (P-ROW)

FILAMENT CONTACTOR #2
F3 FUSE
FILAMENT CONTACTOR #1 - 300A
FILAMENT CONTACTOR #4
600A
CONTACTOR FILAMENT SUPPLY #5
FUSE BOX - F4

RACK 4	RACK 5	RACK 6	RACK 7	RACK 8
DUMMY	MARGINAL CHECKING GEN. TEST PANEL	POWER SUPPLY CONTROL PANEL #2	PEC 531 OUTPUT: 30V. D-C 6A. D-C	FILAMENT ALTERNATOR CONTROL MOD. II
FILAMENT ALTERNATOR CONTROL	POWER SUPPLY CONTROL			FILAMENT VOLTAGE CONTROL MOD. II
FILAMENT VOLTAGE CONTROL	AUTOMATIC CONTROL (RESISTANCE TYPE)			FILAMENT ALTERNATOR REGULATOR MOD. II
FILAMENT ALTERNATOR REGULATOR	REGULATOR MARGINAL CHECKING GENERATOR	600V RECTIFIER 10 AMP.	PEC 530 OUTPUT: 15 V D-C 6 A. D-C	POWER SUPPLY FIL. ALT. REGULATOR MOD. II
POWER SUPPLY FILAMENT ALTERNATOR REGULATOR	POWER SUPPLY MARGINAL CHECKING GENERATOR			DUMMY
DUMMY	MARGINAL CHECKING GENERATOR			

RACK 3	RACK 1
METER & RELAY W/ D.C. PLATE SUPPLY ALT.	CONTROL PANEL 120-208V REGULATED LAB POWER
REGULATOR D.C. PLATE SUPPLY ALT.	REGULATOR 120-208V REGULATED LAB POWER
REGULATOR POWER SUPPLY D.C. PLATE SUPPLY ALT.	REGULATOR 120-208V REGULATED LAB POWER
CONTACTOR D.C. PLATE SUPPLY CONTROL	POWER SUPPLY REGULATOR 120-208V REGULATED LAB POWER

- ① = MG SET FOR (-15)
- ② = MG SET FOR (-100)
- ③ = MG SET FOR (+150)
- ④ = MG SET FOR (+250)

THESE SUPPLIES WITH CORRESPONDING FS SWITCHES ARE USED FOR 5 DIGIT MULTIPLIER.

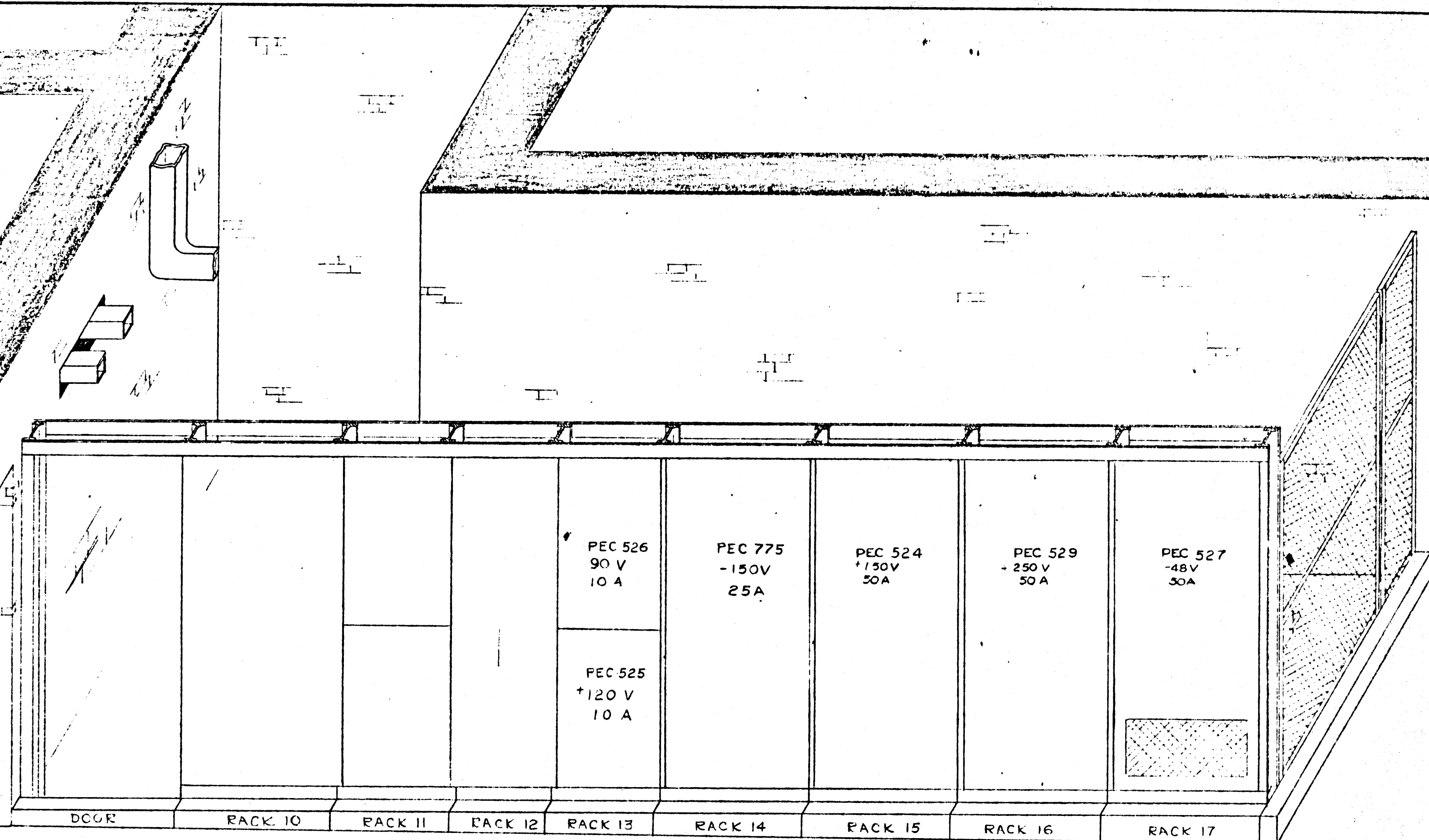
CODE:

- G1 GENERATOR -115V. 400A.
- G2 EXCITER FOR M1 (2 KW)
- G3 EXCITER FOR G1 (1.5KW)
- G4 EXCITER FOR M2 (2 KW)
- G5 EXCITER FOR G6 (1 1/2 KW)
- G6 GENERATOR 120-208V. D.C. PLATE SUPPLY
- M1 MOTOR 100HP
- M2 MOTOR 75HP (SYNCHRONOUS CONDENSER, 115V. 3Ø REGULATED SUPPLY)
- FSS20 SWITCH, SAFETY FOR M1.
- FSS22 SWITCH FOR EMERGENCY FILAMENT SUPPLY
- FSS23 SWITCH, SAFETY FOR M2
- SC1 STARTING COMPENSATOR FOR M1
- SC2 STARTING COMPENSATOR FOR M2
- F3 FUSE FOR G1

* LABORATORY DC SUPPLIES PANEL IS LOCATED ABOVE RACK 1

DRAWING REFERENCE:

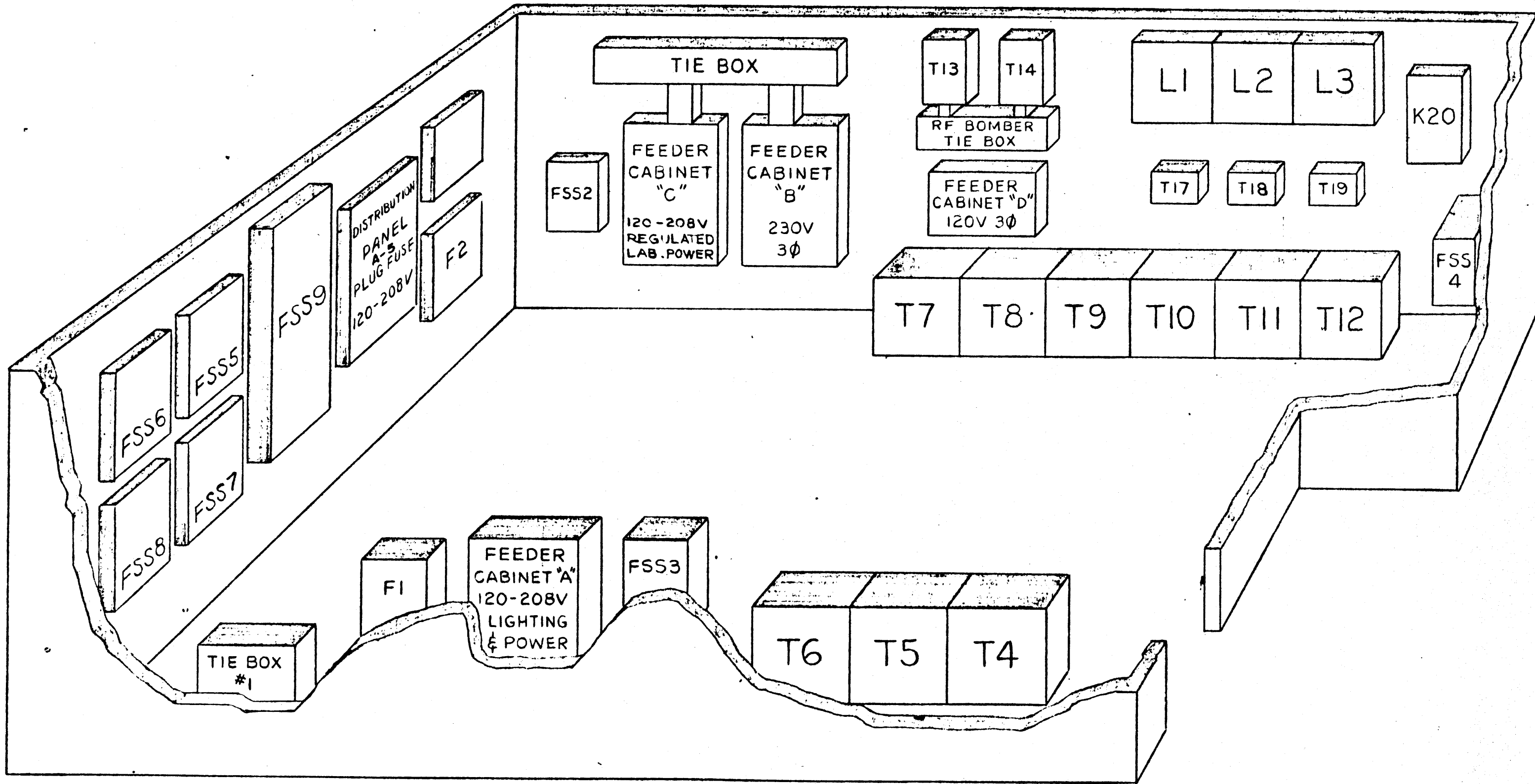
- POWER SUPPLY & CONTROL CABLING DIAGRAM, WWI: B-35365
- BARTA BUILDING POWER SUPPLY-SINGLE LINE DIAG: D-35530
- MARGINAL CHECKING CABLING: E-35188
- RACK DETAIL & INSTALLATION: E-37583
- FOUNDATION & BASE FIL. ALT. MOTOR: D-37582
- WIREWAYS INSTALLATION: E-37584
- POWER ROOM LAYOUT: D-37580
- SINGLE LINE DIAGRAM: D-37581



CODE:
 M3-125HP MOTOR
 G8-GENERATOR 115V-600A
 G9-EXCITER FOR G8 (3KW)
 G10-EXCITER FOR M3 (3KW)

DRAWING REFERENCE:
 1. RACK INSTALLATION: E-51721

MASSACHUSETTS INSTITUTE OF TECHNOLOGY DIGITAL COMPUTER LABORATORY DEPT. OF ELECTRICAL ENGINEERING - D. I. C. PROJECT NO. 68-01		
BASEMENT POWER ROOM EXTENSION, NW1		
SCALE: 1/2" = 20"	DR. [Signature]	
ENG.	CK.	APPD.
		B-35529-5



DRAWING REFERENCES:

- 1. POWER SUPPLY & CONTROL : R-35365
- 2. SINGLE LINE DIAGRAM, BARTA BLDG. POWER SUPPLY : D-35530
- 3. BLOCK SCHEMATIC, 115V 3Φ REGULATED SUPPLY : C-34692
- 4. CABLING DIAGRAM, MARGINAL CHECKING : E-35188

MASSACHUSETTS INSTITUTE OF TECHNOLOGY SERVOMECHANISMS LABORATORY—ELECTRONIC COMPUTER DIVISION ELECTRICAL ENGINEERING DEPT.—D.I.C. PROJECT NO. 6345		
ARRANGEMENT OF (RM 047) BASEMENT TRANSFORMER ROOM WWI POWER		
SCALE: none	DR. F. R. F. H. S. I.	
ENG. 2-2-51	CK. 2-2-51	APP.
		B-35684-2

DRAWING REFERENCES :

1. MASTER INSTALLATION WWI: R-32129
2. MASTER WIRING SCHEDULE, COMPUTER POWER INST.: E-34250
3. CONSOLE ROOM RACK LAYOUT: E-32174
4. E. S. ROW: D-33798

AX1	AX2	AX3	AX4	AX5	AX6	AX7	AX8	AO	AI	A2	A3	A4	A5	A6	A7
E-34269	D-35231	E-34270	E-50430	E-36693	D-36708	E-32137	D-32151	E-32136	D-32150	E-32135	D-33026	E-32135	D-33026	E-32135	D-33026
E-34271	D-34392	E-34272	E-34393	E-34273	D-34394	E-34274	D-34449	E-34275	D-34531	E-34276	D-34532	E-34277	D-34471	E-34277	D-34471
EX1	EX2	EX3	EX4	EX5	EX6	EX7	EX8	EO	EI	E2	E3	E4	E5	E6	E7

FO	FI	F2	F3	F4	F5	F6	F7
E-32181	E-33263	E-35607	E-33263	E-35607	E-33263	E-35607	E-33263
E-33263	E-35607	E-33263	E-35607	E-33263	E-35607	E-33263	E-35607

PI	P2	P3	P4	P5	P6	P7
D-32155	E-33025	D-32156	E-32016	D-32157	E-33024	D-32158
E-33025	D-32156	E-32016	D-32157	E-33024	D-32158	E-32046
D-32159	D-32160	E-33304	D-32161	E-33305		

PI5	PO
D-36071	E-35048
D-36070	E-35047

C1	C2	C3	C4	C5	C6
E-34548	D-34664	E-50714	E-34719	D-34677	E-33479
D-34664	E-50714	E-34719	D-34677	E-33479	D-33996
E-34548	D-34664	E-50714	E-34719	D-34677	E-33479

C7	C8	C9	C10	C11	C12	C13	C14	C15
E-33524	D-33925	E-33525	D-33787	E-33491	C-33897	E-33491	C-33897	E-33490
D-33925	E-33525	D-33787	E-33491	C-33897	E-33491	C-33897	E-33490	D-33499
E-33524	D-33925	E-33525	D-33787	E-33491	C-33897	E-33491	C-33897	E-33490

AD	A8	A9	A10	A11	A12	A13	A14	A15
E-32134	D-33050	E-32135	D-33026	E-32135	D-33026	E-32135	D-33026	E-32135
D-33050	E-32135	D-33026	E-32135	D-33026	E-32135	D-33026	E-32135	D-33026
E-32134	D-33050	E-32135	D-33026	E-32135	D-33026	E-32135	D-33026	E-32135

ED	E8	E9	E10	E11	E12	E13	E14	E15
E-34278	B-34717	E-34277	D-34471	E-34277	D-34471	E-34277	D-34471	E-34277
B-34717	E-34277	D-34471	E-34277	D-34471	E-34277	D-34471	E-34277	D-34471
E-34278	B-34717	E-34277	D-34471	E-34277	D-34471	E-34277	D-34471	E-34277

FD	F8	F9	F10	F11	F12	F13	F14	F15
E-32182	D-33544	E-35607	E-33263	E-35607	E-33263	E-35607	E-33263	E-35607
D-33544	E-35607	E-33263	E-35607	E-33263	E-35607	E-33263	E-35607	E-33263
E-32182	D-33544	E-35607	E-33263	E-35607	E-33263	E-35607	E-33263	E-35607

P8	P9	PI0	PI1	PI2	PI3	PI4
D-32162	E-33306	D-32163	E-33312	D-32164	E-33307	D-32165
E-33306	D-32163	E-33312	D-32164	E-33307	D-32165	E-33308
D-32162	E-33306	D-32163	E-33312	D-32164	E-33307	D-32165

COMPUTER ROOM

TEST CONTROL ROOM

INSTALLATION DWG. NO.
TERMINAL SCH. DWG. NO.

RACK NO.

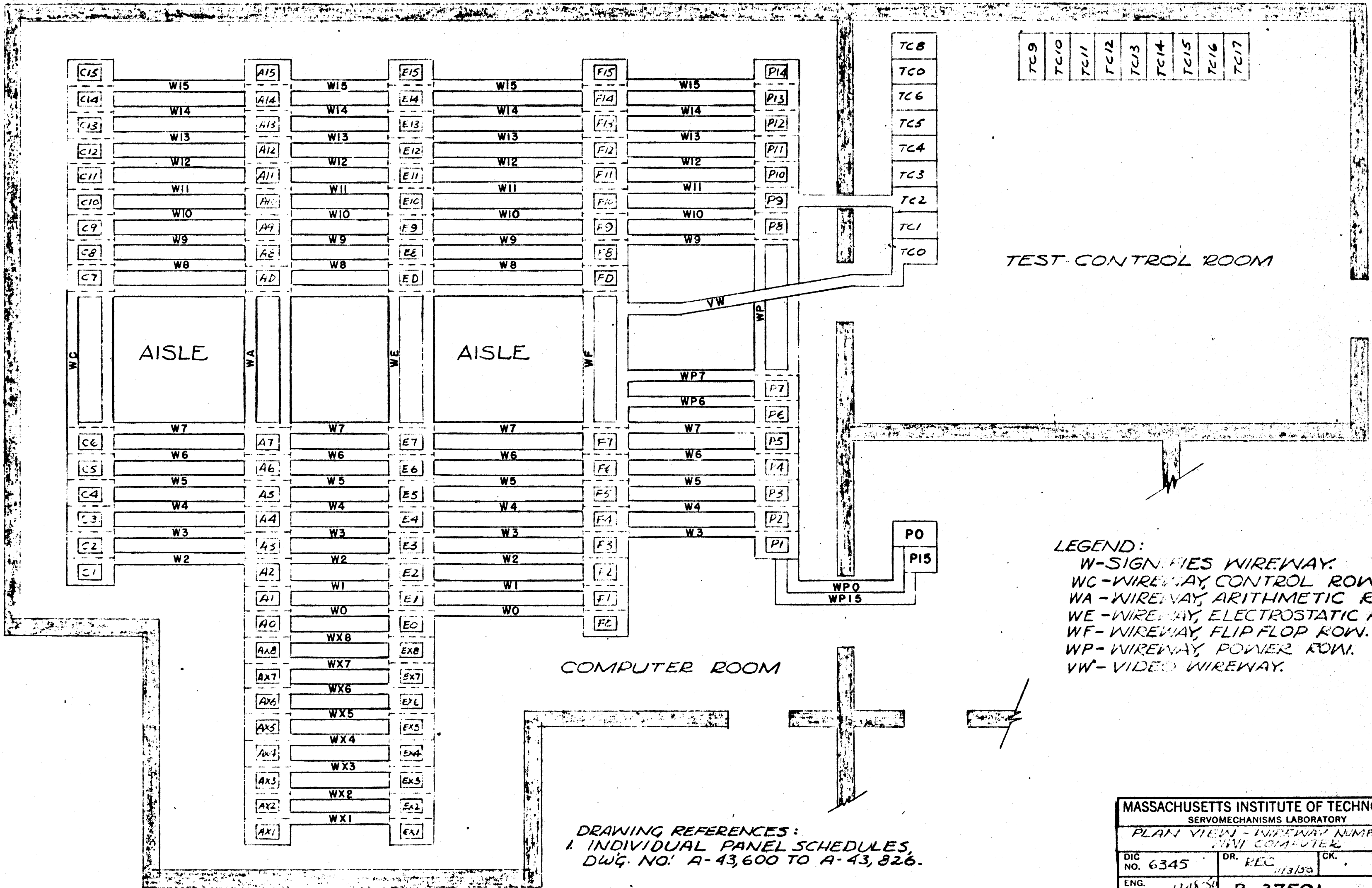
- C RACKS: CONTROL RACKS
- A RACKS: ARITHMETIC ELEMENT
- E RACKS: ELECTROSTATIC STORAGE
- F RACKS: FLIP-FLOP REGISTERS
- P RACKS: POWER RACKS

NOTE:
"B" REDUCTIONS EXIST FOR
ALL TERMINAL SCHEDULES.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
SERVOMECHANISMS LABORATORY—ELECTRONIC COMPUTER DIVISION
ELECTRICAL ENGINEERING DEPT.—D.I.C. PROJECT NO. 6345

WWI RACK LOCATION &
INSTALLATION DRAWING LIST

SCALE: none	DR. FB
ENG. 2-20-51	APP.



LEGEND:
 W-SIGNIFIES WIREWAY.
 WC-WIREWAY, CONTROL ROW.
 WA-WIREWAY, ARITHMETIC ROW.
 WE-WIREWAY, ELECTROSTATIC ROW.
 WF-WIREWAY, FLIP FLOP ROW.
 WP-WIREWAY, POWER ROW.
 VW-VIDEO WIREWAY.

COMPUTER ROOM

TEST CONTROL ROOM

DRAWING REFERENCES:
 1. INDIVIDUAL PANEL SCHEDULES,
 DWG. NO. A-43,600 TO A-43,826.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
SERVOMECHANISMS LABORATORY		
PLAN VIEW - WIREWAY NUMBERING		
MINI COMPUTER		
DIC NO. 6345	DR. REC 11/3/50	CK.
ENG. (M) 12-18-50	B-37591	

PRT	AED1T
PCT	AED2T
BRT	AED3T
ACT	AED4T
	AED5T
ART	AED6T
GRT	AED7T
A15-A8	AD

PRT		
PCT		
BRT	AX6	PO1T
ACT	SAMT	PO2T
ART	ACAT	DESCT
GRT	GRT	GRT
A7-A0	AX8	AX7

AISLE

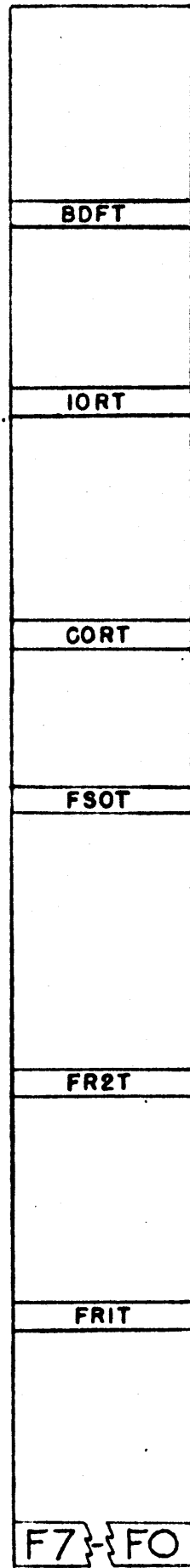
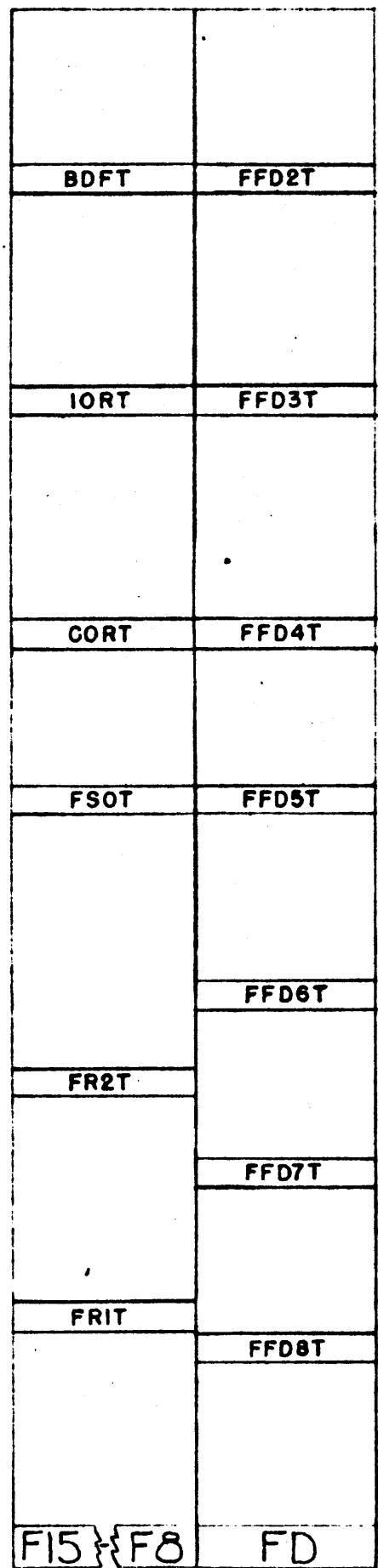
DRAWING REFERENCES -

- 1. MASTER VIDEO CABLING SCHEDULES - A-42101 TO A-42154

NOTES -

- 1. THIS DRAWING INDICATES TUBE SIDE OF A-ROW.
- 2. THERE ARE NO VIDEO TROUGHS IN AX1-AX6 INCLUSIVE.

SERVOMECHANISMS LABORATORY OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY DIVISION OF INDUSTRIAL COOPERATION PROJECT NO. 6345		
VIDEO TROUGH ARRANGEMENT OF ARITHMETIC ELEMENT, A-ROW(WWI)		
SCALE: 12-1 <small>HEIGHT ONLY</small>	DR. REC 10/31/50	
ENG. 12-18-50 <i>mm</i>	CK.	APP.
		B-36214



AISLE

- DRAWING REFERENCES:**
1. MASTER VIDEO CABLING SCHEDULES: R-42151 TO R-42158
 2. FOR DETAILS OF VIDEO TROUGH SEE INSTALLATION DWG. FOR PARTICULAR RACK: B-35046

- NOTES:**
1. THIS DRAWING INDICATES TUBE SIDE OF F-ROW

SERVOMECHANISMS LABORATORY OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY DIVISION OF INDUSTRIAL COOPERATION PROJECT NO. 6345			
VIDEO TROUGH ARRANGEMENT OF FLIP-FLOP REGISTERS F-ROW(WWI)			
SCALE: 12-1	HEIGHT ONLY	DR. REC 10/31/50	
ENG. 12-18-50 <i>AMT</i>	CK.	APP.	B-36215-1

SPDT	
	CORCT
	ESRDIT
	ESRD2T
GDT	
	ESRD3T
E15}E8	ED

AISLE

	ESD6PHT	ESD6PVT	SSCT	EX5T		
SPDT			SA67	SA3T	ESPDIT	
	ESDDHT	ESDDVT		WRTT		SA5T
				ESDBST	SAIT	ESCCIT
				TDST	SA2T	ESCC2T
				H6GT	ESPD2TB	ESCC3T
GDT				R6GT	ESPD2TA	ESCC4T
E7}E0	EX8	EX7	EX6	EX5	EX4	EX3

DRAWING REFERENCES -

- 1. MASTER VIDEO CABLING SCHEDULES A-42101 TO A-42154

NOTES -

- 1. THIS DRAWING INDICATES TUBE SIDE, E-ROW
- 2. THERE ARE NO VIDEO TROUGHS ON RACKS EX2 & EX1

MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
SERVOMECHANISMS LABORATORY		
VIDEO TROUGH ARRANGEMENT OF ELECTROSTATIC STORAGE, (VWV)		
DIC NO. 6345	DR. [Signature]	CK.
ENG. [Signature]	12-15-52	B-36216

B-36217

					CSOT
SCOT	CI4T	SYNT	RP6T	CPO4T	
					CSMT
SC2T	DVT	GPC2T	TPD02T	GPO3T	
		GPCIT			
				GPO2T	
SCIT	MS2T	FDVT	TPD0IT		
				GPOIT	
					CSST
	MSIT	PGT	TPDCT		CSDT
C15	C14	C13	C12	11,10,9	C7

AISLE

TGOM2T	SS6T		IOGAT	
		CRCT	IOCST	
TGOMIT		AICT		
			SA9T	
			IOCIT	
			IOCMT	
TGOC2T	SSST			
TGOCIT	SSDT			
C6	C5	C4	C3	C1

DRAWING REFERENCES -
 1. MASTER VIDEO CABLING
 SCHEDULES A-42101 TO A-42154

NOTES -
 1. THIS DRAWING INDICATES
 TUBE SIDE OF C-ROW.
 2. THERE ARE NO VIDEO
 TROUGHS ON RACKS C2 & C8

MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
SERVOMECHANISMS LABORATORY		
VIDEO TROUGH ARRANGEMENT OF CONTROL RACKS C-ROW (WWI)		
DIC NO. 6345	DR. RLC-10/31/50	CK.
	SCALE - 12-1 (HEIGHT)	
ENG. <i>ms</i>	12-18-50	B-36217

NOTE: THE ASTERISK (*) INDICATES THAT A PARTS LIST IS AVAILABLE FOR THE DRAWING NUMBER IT PRECEDES

SYSTEM NUMBER	WWI UNIT	BLOCK DIAGRAM	BLOCK SCHEMATIC	CIRCUIT SCHEMATIC	ASSEMBLY	AL. PANEL TUBE SIDE MARKING	AL. PANEL COMP. SIDE MARKING	INTERNAL POWER CABLE	RACK LOCATION	WWI TEST SPEC.	REMARKS
101	PULSE GENERATOR	B-37155	B-32385	*E-32333	W60PG01	W60PG06	W60PG07		C13	S7.411-17	
102	PROGRAM COUNTER	B-37062	B-32213	D-31516	*W60PC02	D-33557		D-33597	A5 - A15	S7.411-8	
103	PROGRAM REGISTER	B-37067	B-39289	D-33836	*D-34402	D-34403		W60AR09	A0 - A15	S7.410-1	
104	<u>CONTROL SWITCH</u>										
	INPUT PANEL	B-37066	B-34321								MODIFIED RDI
	MATRIX PANEL	B-37066	C-33843	R-32722	*E-33703	E-33767		D-33842	C7	S7.411-11	
	SWITCH PANEL	B-37066	B-34100	Z60CS00-2	*Z60CS08	Y60CS17		D-33637	C7	S7.411-5	PANEL SERIAL #1 FOR SERIAL #2 SEE 201 STOR. SW.
	OUTPUT PANEL	B-37066	B-34101	Z60CS00	*D-33810	Y60CS24	Y60CS23	D-33484	C7	S7.411-6	PANEL SERIAL #1 FOR SERIAL #2 SEE 201 STOR. SW.
105	OPERATION-MATRIX-DRIVER PANEL		S600M00	*Z600M00-1	Y600M40	Y600M57	Y600M58	SEE ASS'Y	C8	S7.411-2	
	<u>CONTROL-MATRIX</u>										
	(1-40), RACK C9	D-37192				*Z600M08		Z600M08	C9		
	(41-80), RACK C10	D-37193				*Z600M08		Z600M08	C10		
	(81-120), RACK C11	D-37194				*Z600M08		Z600M08	C11		
	CONTROL-PULSE OUTPUT UNIT TOP		R60CP00	S60CP00-1	*T60CP01	S60CP11 S60CP20		S60CP25 S60CP24	C9-C10-C11	S7.411-1	MOUNTING PANEL SEE: *Z600M39 AND ASSOCIATED DWGS. IN OM SERIES (SYLVANIA)
	CONTROL-PULSE OUTPUT UNIT BOT		R60CP00	S60CP00-1	*T60CP01	S60CP11 S60CP20		S60CP25 S60CP24	C9-C10-C11	S7.411-1	
106	<u>TIME-PULSE DISTRIBUTOR</u>										
	COUNTER PANEL	B-37068	T60PD00-3	*Y60PD00	Y60PD30	Y60PD48	Y60PD47		C12	S7.411-14	
	OUTPUT PANEL	B-37068	T60PD00-4	*Z60PD00-1	W60PD17 W60PD16	Z60PD11	*Z60PD10		C12	S7.411-14	
108	STORAGE-SELECTION CONTROL	D-37220	B-34230	*D-34236	D-34782			W60BR09	E x 6	S7.414-11	MODIFIED BR #34
109	CLOCK-PULSE CONTROL	C-39817	C-32642	E-31916	*E-33519	E-33517		E-33518	C13	S7.411-3	
	CLOCK-PULSE-CONTROL DELAY	C-39817	A-34446	D-34416	*D-34414	D-34415		SEE ASS'Y	C13		
110	FREQUENCY DIVIDER	B-37154	B-32264	*R-31729	Y60FD01	Z60FD13	Z60FD12		C13	S7.411-16	

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SYSTEM NUMBER	WWI UNIT	BLOCK DIAGRAM	BLOCK SCHEMATIC	CIRCUIT SCHEMATIC	ASSEMBLY	AL. PANEL TUBE SIDE MARKING	AL. PANEL COMP. SIDE MARKING	INTERNAL POWER CABLE	RACK LOCATION	WWI TEST SPEC.	REMARKS
111	SYNCHRONIZER I	B-37172	C-33485	R-33486	*D-33550	D-33643		D-33645	C13	S7.411-4	
112	RESTORER-PULSE GENERATOR	B-37160	B-32209	*D-31909	W60R601	W60R606	W60R607		C12	S7.411-18	
200	<u>TEST STORAGE</u>	B-37156									
201	TEST STORAGE AMPLIFIERS	B-37121	C-32855 C-33768	D-33706					C5, C6		INCLUDED IN 201 STORAGE SWITCH AND 202 TOGGLE SWITCH STORAGE
	<u>STORAGE SWITCH</u>										
	DRIVER PANEL	C-37121	B-34322								MODIFIED RDI
	MATRIX PANEL	C-37121	C-32855	R-32722 D-33706	*E-33703	E-33767		D-33842	C5	S7.412-3	
	SWITCH PANEL	C-37121	B-34102	R-35620	*R-35621	E-35622		D-35623	C5	S7.411-5	PANEL SERIAL #2 (FOR SERIAL 1 SEE 104 CON. SW.)
	OUTPUT PANEL	C-37121	B-34103	R-35549	*D-35553	E-35550	E-35551	D-35552	C5	S7.411-6	PANEL SERIAL #2 (FOR SERIAL 1 SEE 104 CON. SW.)
202	<u>TOGGLE SWITCH STORAGE</u>										
	SWITCH PANEL	B-37122	C-33768	D-33706 C-33707	*R-33607	R-33654		R-33644	C6	S7.412-4	
	OUTPUT PANEL (MAIN BUS)	B-37122	C-32080	E-32721	*E-33295	E-33554		D-33520	C6	S7.412-1	
	OUTPUT PANEL (CHECK BUS)	B-37122	C-32080	E-35019	*E-35241	E-33554		D-33520	C6	S7.412-1	
203	<u>FLIP-FLOP STORAGE</u>										
	OUTPUT PANEL	C-37060	B-32269	*E-31635	W60F002 Z60F010	Z60F007	Z60F006	Z60F009	F0-F15	S7.412-2	
	REGISTER PANEL	B-37057	B-32268	*E-31621	W60FR02	Z60FR07	Z60FR06	Z60FR09	F0-F15	S7.412-2	
	CONTROL	B-37061	D-32106								
301	A-REGISTER, DIGIT 0	C-37056 D-37072	B-31574	*D-31573	W60AR50	W60AR53	W60AR52	D-33435	A0		
	A-REGISTER, DIGITS 1-15	C-37056	B-31211	*D-31276	*W60AR07 *W60AR02	*W60AR06	Z60AR04	W60AR09	A1-A15	S7.410-1	
302	<u>ACCUMULATOR</u>										
	DIGIT 0	D-37173	D-32851	*R-32850	E-33045	E-32189	E-32188	E-32118	A0		
	DIGIT 0, AUXILIARY PANEL	D-37173	B-32492	*D-32602	D-32717	E-32719	E-32718	D-32720	AX 8		
	DIGITS 1-14	D-37173	D-31213	*R-31275	E-40248	Z60AC10	Z60AC09	Y60AC12	A1-A14	S7.410-3	
	DIGIT 15	D-37173	D-33964	*R-36522	E-36809				A15		MODIFIED PANEL DIGIT 1-14

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SYSTEM NUMBER	WWI UNIT	BLOCK DIAGRAM	BLOCK SCHEMATIC	CIRCUIT SCHEMATIC	ASSEMBLY	AL. PANEL TUBE SIDE MARKING	AL. PANEL COMP. SIDE MARKING	INTERNAL POWER CABLE	RACK LOCATION	WWI TEST SPEC.	REMARKS
303	B-REGISTER	C-37097	B-31212	*D-31277	*W60BR02	W60BR07	W60BR06	W60BR09	AO-A15	S7.410-2	PANELS 1-16 AND 33 ARE B REGISTERS 17-32 ARE NOW 842 ES PARITY
304/308	SIGN CONTROL & DIVIDE-ERROR CON.	D-37072	C-31576	*E-31619	E-32634	E-32637	E-32636	E-32635	AX7	S7.411-21	
305	STEP COUNTER	B-37074	D-31828	D-35049 THRU D-35057	*R-32145 *R-32856	R-32744	R-32743	R-32745	C15	S7.411-19	
	STEP-COUNTER OUTPUT		A-32723	*D-32735	D-32917	D-32920	D-32919	D-32918	C15		
306/307	MULTIPLY & SHIFT CONTROL	D-37072	C-31532	*E-31588	E-32348	E-32351	E-32350	E-32349	C14	S7.411-9	
308	DIVIDE CONTROL	D-37072	C-31552	*R-31718	E-31910	E-32279	E-32246	E-31911	C14	S7.411-20	
309	OVERFLOW & SPECIAL ADD MEMORY	D-37072	C-31575	*E-31632	E-32247	E-32288	E-32287	E-32273	AX8	S7.411-15	
310	POINT-OFF CONTROL	D-37072	C-31600	*E-31717	E-32347	E-32442	E-32441	E-32418	AX7	S7.411-7	
403	DC IN-OUT REGISTER	C-50820	C-36250	D-36288	*E-36328	E-36627			FO-F15		
	IOR AUXILIARY	D-37178	B-34860	*E-34833	D-34823			D-33596	C4	S7.415-5	MODIFIED CR PROTOTYPE
404	IN-OUT DELAY COUNTER	D-37178	B-32578	D-35921	*D-35922	D-50469		D-33596	FO-F14	S7.410-4	MODIFIED 404 COMP. CHECK REG. PANEL SERIAL #17-33 & 35
	COMP.-REGISTER CHECK	D-37178	B-33488	E-33515	*D-33679	E-33680		D-33681	ED	S7.411-10	
	IN-OUT DELAY COUNTER, START CONTROL		B-50104	D-50102	*D-50126						MODIFIED CHECK REG. #17
	IN-OUT DELAY COUNTER, END CARRY CONTROL		B-50105	D-50103	*D-50125						MODIFIED CHECK REG. #18
410	IOC SYNCHRONIZER	D-37178	A-34320	D-34338	*D-34408	D-34569		D-34608	C3	S7.415-1	
	IOC PROGRAM ALARM	D-37178	B-34834	*D-34831	D-34809	W60AR06	Z60AR04	W60AR09	C3	S7.415-2	MODIFIED AR #35
	IOC READ-RECORD MEMORY	D-37178	B-34859	*D-34830	D-34829	W60AR06	Z60AR04	W60AR09	C3	S7.415-4	MODIFIED AR PROTOTYPE
	IOC INTERLOCK	D-37178	B-34835	*E-34832	D-34803	D-33547		D-33596	C3	S7.415-3	MODIFIED CR PROTOTYPE
	DECODER SPECIAL DISPLAY								C1		MODIFIED 820 ESD DECODER

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SYSTEM NUMBER	WWI UNIT	BLOCK DIAGRAM	BLOCK SCHEMATIC	CIRCUIT SCHEMATIC	ASSEMBLY	AL. PANEL TUBE SIDE MARKING	AL. PANEL COMP. SIDE MARKING	INTERNAL POWER CABLE	RACK LOCATION	WWITEST SPEC.	REMARKS
411	IOC COUNTER FF02		B-50691	D-50713	*E-50734				A x 4		MODIFIED 403 DC IO REG. #27
	IOC COUNTER FF03		B-50691	D-50713	*E-50734				A x 4		MODIFIED 403 DC IO REG. #30
	IOC COUNTER FF01		B-50308	D-50309	*E-50307				A x 4		MODIFIED 403 DC IO REG. #29
	IOC COUNTER FF04		B-50311	D-50312	*E-50310				A x 4		MODIFIED 403 DC IO REG. #24
412	IOC RESET CONTROL ANNEX A		B-52592	D-52503	*D-52503						
412	IOC RESET CONTROL		B-50443	D-50442	*E-50551	E-50552					
413	INTERLOCK		B-50314	D-50315	*E-50313						MODIFIED 403 DC IO REG. #25
414	IOC ALARM CONTROL		B-50317	D-50318	*E-50316				A x 4		MODIFIED 403 DC IO REG. #28
415	IOC SYNCHRONIZER #2 FF01		B-50320	D-50321	*E-50319						MODIFIED 403 DC IO REG
	SYNCHRONIZER FF02		B-50323	D-50324	*E-50322						MODIFIED 403 DC IO REG
420	IN-OUT SWITCH, BUS DRIVER		SD-36186	D-36312	*D-36301	E-36302		SEE ASS'Y	A x 6		
	IN-OUT SWITCH, SWITCH PANEL		B-36330	D-36300	*D-36378	D-36382		SEE ASS'Y	A x 6		
	IN-OUT SWITCH, 8 POS. MATRIX		SD-36186	C-36345	*D-36346	D-36347		SEE ASS'Y	A x 6		PHENOLIC A-36363
	IN-OUT SWITCH, FLEXP-MATRIX		SD-36186	C-36359	*D-36488	D-36489		SEE ASS'Y			REPLACED BY IOS PAPER TAPE UNIT MATRIX
	IN-OUT SWITCH, DISPLAY MATRIX			D-50720	*D-50753	D-50754			A x 6		
	IN-OUT SWITCH, MAGNETIC TAPE MATRIX			C-50916	*D-51153	D-51157					
	IN-OUT SWITCH, PAPER TAPE UNIT MATRIX			D-51225	*D-51254	D-51439					
	IOS CATHODE FOLLOWER			C-51914	*D-51913	D-51941					
	IN-OUT REGISTER INPUT MIXER			B-52595	*D-52596	D-52682			ODD RACKS F ROW		
	IOS MAGNETIC DRUM MATRIX		B-37354	D-52609	*D-52610	D-52695					
512	IOC DISPLAY CONTROL PANEL A			D-52506	*D-52506						
	IOC DISPLAY CONTROL PANEL B			D-52505	*D-52505						

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520	MAGNETIC TAPE CONTROL, BLOCK MARK DETECTOR & SHAPING CIRCUIT		A-50985	C-50986	*D-51033	D-51098					
	MAGNETIC TAPE CONTROL, READ-RECORD SWITCH & READING AMPL.		B-50998	E-50987	E-50999						
	MAGNETIC TAPE CONTROL, BLOCK MARK MEMORY	SC-50647	A-50735	D-50799	*E-50818						MODIFIED 403 DC IO REG. #32
	MAGNETIC TAPE CONTROL, TRANSIENT CONTROL	SC-50647	A-50736	D-50802	*E-50808						MODIFIED 403 DC IO REG. #33
	MAGNETIC TAPE CONTROL, MODE SWITCHING FLIP FLOP		B-50854	D-50853	*D-51054	D-51055					
	MAGNETIC TAPE CONTROL, RECORD PULSE GENERATOR	SC-50647	B-50737	D-50796	*E-50797						MODIFIED 403 DC IO REG. #31
	MTC UNIT SELECTOR AMPLIFIER			D-51428	*D-51429	D-51430					

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601	CHECK REGISTER	B-39816	B-32577	E-32576	*W60CR02	D-33547		D-33596	Ax7 A0-A14	S7.410-4	PANEL 1-16 & 34 ARE CHECK REGISTER 17-33 & 35 ARE IN-OUT DELAY COUNTER
	CHECK-REGISTER CHECK	B-39816	B-32018	*E-32023	*E-33080	E-33084	E-33083	E-33082	C4	S7.411-13	
602	ALARM-INDICATOR CONTROL	B-37175	B-33603	E-33651	*E-33913	E-33975		E-33976	C4	S7.411-12	
811	WRITE-REWRITE TIMER	D-37220	B-34282	*D-34283	D-34793			W60BR09	EX5	S7.414-8	MODIFIED BR PROTOTYPE
	ES CONTROL COUNTER	D-37220	B-34359	*D-34360	D-34495			D-33597	EX3	S7.414-6	MODIFIED PC PROTOTYPE
812	ES PULSE DISTRIBUTOR #2	D-37220	C-34229	*R-34266	E-34878				EX4	S7.414-7	MODIFIED ACC.(1-14) #1 SERIAL 19 #2 PROTOTYPE
	ES PULSE DISTRIBUTOR #1	D-37220	C-36469	*R-36408	E-36541				EX4	S7.414-7	
813	ES TD SELECTOR	D-37220	B-34231	*D-34237	D-34727			D-33597	EX5	S7.414-10	MODIFIED PC PROTOTYPE
820	ES DEFLECTION	D-37220	E-34770								
	ESD GATE PANEL	D-37220	A-34036	B-33876	*D-34022	D-34031		SEE ASS'Y	EX8,EX7	S7.414-1	
	ESD DECODER	D-37220	E-34770	E-33908	*R-34093	R-34095		SR-50030	CI,EX8,EX7	S7.414-2	
	ESD OUTPUT	D-37220	E-34770	C-34182	*D-34244	D-34245		SEE ASS'Y	EX8,EX7	S7.414-3	
	ESD BANK SELECTOR	D-37220	B-34232	*D-34238	D-34387			W60BR09	EX5	S7.414-9	MODIFIED BR #35
	STORAGE SELECTION MIXER	D-37220	E-34770	C-34311	*D-34551	D-34552		SEE ASS'Y	EX7	S7.414-12	
	ESD TERMINATION, MOD. I			B-34628	*D-34716	SEE ASS'Y		SEE ASS'Y	E15	S7.414-5	TO BE OBSOLETE BY MOD. II
	ESD TERMINATION, MOD. II			C-50750	*E-50751	D-50752					
831	STORAGE-TUBE MOUNT	D-37220		E-34040	*R-33960	E-34790		E-34950	E0-E15	S7.412-5	STORAGE-TUBE ASS'Y C-34954
832	EST OUTPUT 1-15 & 17-18	RF AMPLIFIER	D-37220	D-34315	*D-34779	C-34464 C-34465		D-34255	E0-E15	S7.412-7	
		GATE TUBES	D-37220	C-34251	*D-34254	D-34413		D-34255	E0-E15	S7.412-6	
	EST OUTPUT PANEL #16			C-52137	*D-52136						
833	SIGNAL-PLATE DRIVER	D-37220	A-34711	D-34029	*D-33921	D-34661		D-34660	E0-E15	S7.413-7	
834	GUN DRIVER	MOD I	D-37220	B-36773	E-36698	*D-34352	D-34747	D-34728	E0-E15	S7.413-6	
	GUN DRIVER	MOD II	D-37220	B-36773	E-36698	*D-36689	D-36690				

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835	HOLDING-GATE GENERATOR	D-37220	A-34354	C-34060	*D-34318	D-34336		SEE ASS'Y	EX5	S7.414-13	
	READ-GATE GENERATOR	D-37220	A-34355	C-34324	*D-34319	D-34037		SEE ASS'Y	EX5	S7.414-13	
	RF PULSER MOD I	D-37220		E-34549	*E-34842	D-34307	E-35035			S7.413-5	
	RF PULSER MOD II			R-36436	D-50468				ED		
	ES REGISTER DRIVER #1		D-34805	E-35083					ED		MODIFIED RDI #13
	ES REGISTER DRIVER #2		D-34805	E-35084					ED		MODIFIED RDI #14
	ES REGISTER DRIVER #3		D-34805	E-35872					ED		MODIFIED RDI #18
841	ES CYCLE ALARM		B-36560	*E-36559					AX7		MODIFIED COMP. REG.- CHECK REG. #31
842	ES PARITY REGISTER		B-32434	*D-50004	D-50005						WERE 303 BR PANEL SERIAL # # 17-32 INCL
	ES PARITY REGISTER AUXILIARY			*D-50027	D-50089						MODIFIED A-REGISTER PANEL SERIAL #34
MISC.											
	IOC SHIFT PULSE GENERATOR		B-50444	C-50391	*D-50438				A x 4		MODIFIED DELAY LINE AMPL #3
	MAGNETIC TAPE DRIVE CONTROL			D-50425	*D-51380	C-51385 D-51381					
	PHOTO ELECTRIC TAPE READER CONTROL		B-51999	D-36629	*E-36651	E-36652					ADAPTER PANEL CIRCUIT SCH. & ASS'Y: D-50274
	DISPLAY DECODER			D-50058	*E-50059	E-50057			CI-C2		DETAIL C-50145
	IO DELAY COUNTER RESET AMPL.		B-50446	C-50429	D-50439				A x 4		MODIFIED STANDARDIZER AMPL. #14
	START CLOCK SYNCHRONIZER		B-36548	E-36546							MODIFIED CR/COR PROTOTYPE
	NON-HOLDING ATTENUATOR TYPE DECODER			E-35294					C2		
	SYNCHRONIZER II			R-35189	*D-35226	SEE ASS'Y		SEE ASS'Y	CI4		MODIFIED III SYNCHRONIZER
	COMPUTER CLEAR DRIVER		B-35504						CI2		PANEL SERIAL #17 REGISTER DRIVER TYPE I
	REGULATOR VIDEO PROBE POWER			B-35184	*D-35191	D-35190			WHERE REQ'D		WILL REPLACE PROBE PORT- ABLE POWER SUPPLY B-33410
	ES MONITOR								EO-E15	S7.412-8	
	ESD MONITOR			B-34756	*D-34791	D-34792	SEE ASS'Y		EX7	S7.414-4	
	PHOTO ELECTRIC TAPE READER			*D-50426				SA-50376			ERA UNITS
	ES DEFLECTION INCR. PWR. SUPPLY			D-50658	*D-50659						MOD. LV FLOATING #1
	COMPUTER MAG. TAPE MECHANISM			*D-50489							RAYTHEON UNITS (5)
	BRACKET VIDEO PROBE				C-35027				WHERE REQ'D		
	RACK DC SWITCH PANEL			D-52797	*D-52780	D-52781					
	REMOTE VIDEO SWITCH PANEL			B-52892	*D-52893	D-52894			CI4		

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	STANDARDIZER AMPLIFIER		A-33881	C-33880	*D-33882	D-33924			EX5, EX4, EX3, C1, C3, AD	S7.413-4	#14 IS IO DELAY COUNTER RESET AMPLIFIER
	REGISTER DRIVER, TYPE I		B-32207	*E-32261	Z6ORD10 *W6ORD02	W6ORD07	W6ORD06	W6ORD09	ED, C5, C7	S7.413-2	
	REGISTER DRIVER, TYPE II		B-32691	*D-32690	W6ORD50	W6ORD55	W6ORD54	W6ORD57	AD, ED, FO-F15	S7.413-3	
	DC FILTER PANEL			B-32566	*D-32490	D-32509		SEE ASS'Y	VARIOUS		BRACKET FOR FRONT MOUNTING: C-52790
	FUSE IND. PANEL, POWER BAY			C-34473	*D-34943	D-34944		E-34945	P4		PLEXIGLASS COVER: D-35380
	FUSE PANEL				*W60FP07	*W60FP06			C9, C10, C11		
	FUSE-INDICATION PANEL			T60PP00-7	*W60PP01	W60PP02		W60PP04 W60PP05	P3, P4	S7.421-2	PLEXIGLASS COVER: D-35378
	FIXED-VOLTAGE SWITCHING PANEL			S60PP00-11	W60PP19	*W60PP20	*W60PP21	W60PP22	PI-PO	S7.421-1	PLEXIGLASS COVER: D-35377
	POWER-INTERLOCK & IND. PANEL			Z60PP00-12						S7.421-2	
	AUX. DIGIT INTERLOCK			D-32200	*D-32058	D-32059			P2		
	FILAMENT TRANSFORMER PANEL				*D-34397				EO-E15,		
	DIGIT-INTERLOCK PANEL			T60PP00-8	*Y60PP25	W60PP27	W60PP26	Y60PP28	P2	S7.421-4	PLEXIGLASS COVER: D-35378
	VOLTAGE-VARIATION SW. PANEL			T60PP00-6	*Y60PP08	W60PP14	*W60PP09	Y60PP15 Y60PP16	VARIOUS	S7.421-3	PLEXIGLASS COVER: D-35381
	BUS DRIVER, F-F STORAGE		A-32296	*D-31726	*W60BD03	W60BD08	W60BD07	W60BD10	FO-F15		
	BUS DRIVER, ARITH. ELEMENT		A-32297	*D-31727	*W60BD02	W60BD08	W60BD07	W60BD10	AO-A15	S7.413-1	
	BUS CONNECTIONS	B-37124	C-37123						WHERE REQ'D		
	FILAMENT TRANSFORMER PANEL				*W600M77	W600M78 W600M80			C9, C10, C11		
	LIGHT & POWER CONTROL PANEL			B-33079	*D-33071	D-33073			P5		
	RESISTOR PANEL				*D-34475				P5		
	HV JUNCTION BOX				*D-34739	D-34740 C-34741			EO-E15		
	ES DEFLECTION TRANSMISSION LINE				B-34032 B-34033	C-33972 C-33980			EX7 EO-E15, EX8		
	PANEL SELECTION RACK SWITCH (2 SECTIONS)			R-39911	*R-32419	D-32427		R-37576	P9		NEW DOOR D-52238
	RELAY			R-39911	*R-32419	D-32428		A-32484 TO A-32489	P9		PLEXIGLASS COVER: D-35570
	GROUND DISTRIBUTION COMMON TIE PANEL				*D-32871	C-32872			P5		
	LAB POWER DISTRIBUTION				*D-32852	D-32854 D-32888			P5		
	REGULATED AC POWER DISTRIBUTION								P5		
	SHUNT PANEL DC POWER DISTRIBUTION				*C-32750	B-32749			P5		
	POWER TEST & MASTER DIGIT SWITCH				*D-32101	D-32102					
	BIAS INTERLOCK MOD I			D-36149	*D-36151	D-36150			P2		PLEXIGLASS COVER: D-36866
	ES ERASE CONTROL		B-50234	D-50252	*E-50253	E-50328					
	FILAMENT TRANSFORMER PANEL MOD II				*D-51955	D-51957					COVER: D-51956

SYSTEM NUMBER	WWI UNIT	BLOCK DIAGRAM	BLOCK SCHEMATIC	CIRCUIT SCHEMATIC	ASSEMBLY	AL. PANEL TUBE SIDE MARKING	AL. PANEL COMP. SIDE MARKING	INTERNAL POWER CABLE	RACK LOCATION	WWI TEST SPEC.	REMARKS
	POWER CONTROL PANEL #1		D-32017	D-35173	*R-35283	E-35284		R-35365	CONTROL ROOM		COVER E-35285 C-35286
	MARGINAL CHECKING CONTROL			D-32083	*D-33029	D-33030		D-35188	CONTROL ROOM		
	METER PANEL, CENTRAL POWER				*D-32883	E-32885			CONTROL ROOM		COVER D-35373
	METER PANEL, E. S. POWER				*R-35366	E-35367			CONTROL ROOM		COVER D-35368
	POWER CONTROL PANEL #2			SC-52298	SD-52339						BRACKETS: SC-52335 SB-52334
	RF MONITOR			B-50917	*D-50891	D-50892					CHASSIS: E-50895
	ST MONITOR			C-50347	*D-36991	SD-36990					
	DELAY LINE AMPLIFIER PANEL			B-50061	*D-50079	D-50068			C4 - C7		#3 IS IOC SHIFT PULSE GEN.
	HOLDING-GUN ANODE SUPPLY MOD I			D-34824	D-34908	D-35045	SEE ASS'Y			EXI	
	HOLDING-GUN ANODE SUPPLY MOD II			D-50185	*D-50186	D-50191					
	HV PROTECTIVE CIRCUIT			A-36147	*D-36152	D-36153					
	MIXER OPERATION MATRIX			D-33782	*D-33782	NOT REQ'D		NOT REQ'D	WHERE REQ'D		FOR MIXING CONTROL PULSES
	FILAMENT POWER SWITCH PANEL			A-32663	*C-32589	B-32591		NOT REQ'D	WHERE REQ'D		
	ESD PROTECTIVE			B-35519	*B-35544	D-35544		NOT REQ'D	EX7 - EX8		
	ES POWER SUPPLY CONTROL PANEL			D-35171	*E-35195	E-35196		R-35365	EX2		
	LV FLOATING POWER SUPPLY			C-34652	*D-34769	D-34757	SEE ASS'Y	SEE ASS'Y	EX1 - EX7		
	HV CATHODE SUPPLY			D-34977	*E-35072	E-35092	SEE ASS'Y		EX1		
	500-VOLT REGULATOR 5A			D-35031	*E-35069	E-35068			EX2		
	500-VOLT REGULATOR 10A			D-36953	*R-50001	E-50037					COVER-D-50038
	SHIFT PULSE DIST. & CONTROL		C-35718	D-35686							
	INPUT CONNECTION PANEL								FO		
	POWER CONTROL INDICATOR PANEL			B-52326	A-52387	SD-52404					LAMICOID LABEL: SC-52406
	15A, 100V VAR. DC PWR. SUPPLY			*D-50509	D-50569	D-50570					CHASSIS: E-50571
	PROGRAMMED M. C. CONTROL			E-50279	*E-50363	C-50365 E-50364					
	GATE AMPLIFIER & GATE TUBE			SB-50654	SB-50653						
	MULTIPLE SELECTION ALARM			B-35595	*C-52771	C-52770					

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SYSTEM NUMBER	WWI UNIT	BLOCK DIAGRAM	BLOCK SCHEMATIC	CIRCUIT SCHEMATIC	ASSEMBLY	AL. PANEL TUBE SIDE MARKING	AL. PANEL COMP. SIDE MARKING	INTERNAL POWER CABLE	RACK LOCATION	WWI TEST SPEC.	REMARKS
	SWITCH TO PB COARSE DELAY SYNCHRONIZER		C-52931	D-52930	*E-53009	B-53167			C15		MODIFIED DCIOR #17
	START OVER SYNCHRONIZER		C-52846	D-52796	*E-53006	B-53011			C14		MODIFIED DCIOR #18
	MULTIVIBRATOR PULSE GEN. SYNCHRONIZER		C-52847	D-52824	*E-53003	A-52926			C12		MODIFIED DCIOR #19
	RESTART SYNCHRONIZER								C15		MODIFIED DCIOR #20
	INACTIVITY ALARM		C-52844	D-52823	E-53010	B-53029			C14		MODIFIED DCIOR #21
	RESTART INTERLOCK								C15		MODIFIED DCIOR #22
	SWITCH TO PB FINE DELAY SYNCHRONIZER		C-52925	D-52919	E-53005				C15		MODIFIED DCIOR #34
	READ-IN INTERLOCK		C-52845	D-52843	*E-53004	B-53021			C14		MODIFIED DCIOR #35
	AUXILIARY PANEL TAPE OUTPUT RELAY REGISTER			A-52183	*D-52184	D-52185					
	PAPER TAPE OUTPUT SELECTOR RELAY PANEL			D-50983	*D-51156	D-51500					
	PAPER TAPE OUTPUT RELAY REGISTER			D-50984	*E-51401	E-51400					
	MT PRINT OUT FOR READ OUT AMPL.			D-50923	*D-51791	D-51843			P17		
	MT PRINTER CONTROL REGISTER			D-50478	*D-51840	D-51942					
	MECHANICAL PAPER TAPE READER GATE PANEL			D-52455	*D-52455						
	MAGNETIC TAPE PRINT OUT SWITCH PANEL			B-51795	*E-52055	C-52145					CHASSIS: D-52146
	MAGNETIC TAPE TRANSFER PANEL			C-52010	*D-52086	D-52246 D-52299					
	MAGNETIC TAPE PRINT OUT THYRATRON POWER SUPPLY			B-51796	*D-51935	D-52337					
	MAGNETIC TAPE PRINT OUT RECEPTACLE PANEL			A-52101	*C-52102	C-51603					
	MITE PLUG IN UNIT RACK		E-52245		C-52234						
	MAGNETIC TAPE PRINT OUT INDEX PULSE COUNTER			C-51866	*D-52061	D-52154 D-52155					
	MECHANICAL PAPER TAPE READER CLUTCH CONTROL		C-52395	B-52320	*D-52574	D-52819					

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SYSTEM NUMBER	WWI UNIT	BLOCK DIAGRAM	BLOCK SCHEMATIC	CIRCUIT SCHEMATIC	ASSEMBLY	AL. PANEL TUBE SIDE MARKING	AL. PANEL COMP. SIDE MARKING	INTERNAL POWER CABLE	RACK LOCATION	WWI TEST SPEC.	REMARKS
	FIXED VOLTAGE SW. PANEL MOD II			D-51550	*D-51551	D-51553					
	VOLTAGE VARIATION SW. PANEL MOD II		A-51542	D-51543	*D-51544	D-51545					
	FUSE INDICATION & RACK INTERLOCK PANEL MOD II		A-51546	D-51547	*D-51548	D-51549					
	RACK FUSE & DISTRIBUTION PANEL MOD II			NONE REQ'D	*D-51655	D-51656					PHENOLIC: D-51657
	BIAS INTERLOCK MOD II			B-51630	D-51986	D-51998					
	FILAMENT BUS PANEL 115V AC				*D-51920	D-52716					
	POWER DISTRIBUTION PANEL MITE				*D-52099	D-52100					
	RELAY PANEL MC CONTROL MOD II			D-52673	*E-53022	E-53023					
	MARGINAL CHECK CONTROL MOD II			D-52822							

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SYSTEM NUMBER	PLUG-IN UNITS	BLOCK DIAGRAM	BLOCK SCHEMATIC	CIRCUIT SCHEMATIC	ASSEMBLY	MECH. FRAME ASS'Y.	PHENOLIC ASS'Y.	INTERNAL POWER CABLE	RACK LOCATION	WWI TEST SPEC.	REMARKS
	PLUG-IN, SWITCH UNIT MOD.II			B-50828	*C-50840	D-50752	A-50922				MARKING DETAIL C-51714
	PLUG-IN GATE-BUFFER-AMPL. MOD.II			C-50827	*C-50831	D-50752	A-50922				
	PLUG-IN DUAL BUFFER-AMPL. MOD.II			C-50826	*C-50830	D-50752	A-50922				
	PLUG-IN, FLIP-FLOP MOD.II			C-50825	*C-50838	D-50752	A-50922				SPECIAL DE: D-51068
	PLUG-IN, GATE TUBE MOD.II			C-50950	*C-51023	D-50752	A-50922				
	PLUG-IN SWITCH REFERENCE VOLTAGE REGULATOR			A-51989	*C-52436	D-50752	A-50922				SUB-ASSEMBLY: C-52504
	BUFFER DRIVER AMPLIFIER MOD I			C-52297	*C-52589						
	PLUG-IN UNIT TEST STAND				SB-52380						
	PLUG-IN, DUAL GATE GEN. B.A.			C-52952							
	PLUG-IN, GATE GEN			C-52953							
	PLUG-IN, MOUNTING PANEL 26"			C-50813	*D-51024	D-51026 D-51025					POT. MTG. ASS'Y: B-52793 IND. MTG. ASS'Y: B-51814
	PLUG-IN, MOUNTING PANEL TEST EQUIPMENT 19"			C-51028	*D-51029	D-51030 D-51031					
	PLUG-IN; FLIP-FLOP MOD.I.			C-36957	*C-50006	D-36854					
	PLUG-IN, SWITCH UNIT MOD.I			B-36959	*C-50012	D-36854					
	PLUG-IN, GATE TUBE MOD.I			B-36958	*C-50008	D-36854					*1-4 MODIFIED TO MAKE ES ERASE
	PLUG-IN, ES ERASE GATE TUBE AMPLIFIER UNIT MOD I			B-51074	*C-51073	D-36854					MOD. PLUG-IN GATE TUBE UNITS SER *1-4 INCL.
	POWER SUPPLY PANEL FOR TEST- ING PLUG IN UNIT										E-53082 D-53083 C-53084

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SYSTEM NUMBER	POWER SUPPLIES WWI UNIT	RACK LOCATION	BLOCK SCHEMATIC	CIRCUIT SCHEMATIC	ASSEMBLY	AL. PANEL TUBE SIDE MARKING	CABLING DIAGRAM	COVER	WWI TEST SPEC.	REMARKS
	RELAY PANEL (SLATE)	1		C-34693		D-33636	R-35365			PROTECTIVE CIRCUIT SYN. MOTOR REGULATOR
	CONTROL PANEL 120-208V REGULATED LAB. POWER	1		C-34693		SD-33655	R-35365			FOR 75 HP SYN. MOTOR
	REGULATOR 120-208V REGULATED LAB. POWER	1		C-24223		D-34225	R-35365			
	POWER SUPPLY FOR REGULATOR 120-208V REG. LAB. POWER	1		C-34673		E-35744	R-35365			
	METER AND RELAY PANEL DC PLATE SUPPLY, ALT.	2		D-34811	*E-36098	E-36099	R-35365			
	REGULATOR, DC PLATE SUPPLY, ALTERNATOR	2		D-36120	R-36140	D-35739	R-35365			
	REGULATOR POWER SUPPLY DC PLATE SUPPLY, ALT.	2		C-35883		E-35884	R-35365			
	CONTACTOR, #1 DC PLATE SUPPLY	2	D-32017	A-33166			R-35365			PURCHASED UNIT
	FILAMENT ALTERNATOR MOTOR CONTROL FOR MI 100HP	3		C-34204			R-35365			
	FILAMENT ALTERNATOR CONTROL	4		C-33968	D-33910	D-33911				
	FILAMENT ALTERNATOR REGULATOR	4		C-34098	E-51859	D-34097	R-35365			CHASSIS: D-34099
	POWER SUPPLY FOR FILAMENT ALTERNATOR REGULATOR MOD I	4		C-33969		E-33967	R-35365			
	PANEL FOR RACK #9	4		NONE REQ'D	NONE REQ'D	D-35536 E-35242				
	FILAMENT VOLTAGE CONTROL PANEL MOD II	4		C-52355	*E-52362	D-52378				
	AUTO. CONTROL MARGINAL CHECK	5		D-34059	*R-34284	D-34285	E-35188	D-34286		
	REGULATOR-MARGINAL CHECK. GEN.	5		D-35214		E-35216	E-35188			
	POWER SUPPLY FOR REGULATOR-MARGINAL CHECKING GENERATOR	5		C-35212		E-35740	E-35188			
	MARGINAL CHECKING GENERATOR	5		B-35383	*E-35527	E-35517	E-35188			AMG MOUNTING PLATE: C-35534
	POWER SUPPLY CONTROL PANEL #1	5	D-32017	D-32081	*E-33027	E-33027	R-35365	*D-32176		
	MARGINAL CHECKING GENERATOR TEST PANEL	5		B-50608	*D-50610	D-35537				BRACKET: C-50749
	POWER SUPPLY CONTROL PANEL #2	6		SD-52305	*E-51958	SE-52330	R-52240	SD-52430		LAMICOID LABEL: B-52442
	600 VOLT RECTIFIER 10A MOD II	6		C-50187	*E-50164	D-50157 D-50159		D-50032 E-50233		
	PEC 530 OUTPUT: -15V DC @ 0-6 AMPS DC	7		*D-50431	*E-50432	D-50540	D-34605			CHASSIS: D-50541
	PEC 531 OUTPUT: -30V DC @ 0-6 AMPS DC	7		*D-34603	*E-34605	D-50587	D-50587			CHASSIS: D-50588

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SYSTEM NUMBER	POWER SUPPLIES WWI UNIT	RACK LOCATION	BLOCK SCHEMATIC	CIRCUIT SCHEMATIC	ASSEMBLY	AL. PANEL TUBE SIDE MARKING	CABLING DIAGRAM	COVER	WWI TEST SPEC.	REMARKS
	FILAMENT VOLTAGE CONTROL PANEL MOD I	8		D-33098	*E-33216	D-33217	R-35365			
	POWER SUPPLY FOR FILAMENT ALTERNATOR REGULATOR MOD II	8		C-52539	*E-52587	E-52697				
	FILAMENT ALTERNATOR CONTROL PANEL MOD II	8		C-51680	*E-51846	D-51847				
	FIL. ALTERNATOR REGULATOR MOD II	8		D-51746	*E-51872	D-51873				CHASSIS: D-51874
	FILAMENT ALTERNATOR MOTOR CONTROL FOR M3 125 HP	9								ABOVE RACK 1 LAB DC SUPPLY PANEL
	5AMP; -400 VOLT RECTIFIER	12		C-51295	*E-51298	D-51299		D-51303		
	5AMP; -300 VOLT REGULATOR	12		D-51255	*E-51622	E-51623		D-51624 D-51625		
	PEC 526 OUTPUT: +90V DC @ 10 AMPS DC	13		*D-34595	NONE FURNISHED	NONE FURNISHED	D-34594 D-34596			
	PEC 525 OUTPUT: +120V DC @ 10 AMPS DC	13		*D-34588	NONE FURNISHED	NONE FURNISHED	D-34587 D-34589			
	PEC 775 OUTPUT: -150V DC @ 25 AMPS DC	14		E-51963	D-51322					
	PEC 524 OUTPUT: +150V DC @ 50 AMPS DC	15		*D-34584	NONE FURNISHED	NONE FURNISHED	D-34585 D-34586			
	PEC 529 OUTPUT: +250V DC @ 50 AMPS DC	16		*D-34591	NONE FURNISHED	NONE FURNISHED	D-34590 D-34592			

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SYSTEM NUMBER	POWER SUPPLIES WWI UNIT	RACK LOCATION	BLOCK SCHEMATIC	CIRCUIT SCHEMATIC	ASSEMBLY	AL PANEL TUBE SIDE MARKING	CABLING DIAGRAM	COVER	WWI TEST SPEC.	REMARKS
	PEC 527 OUTPUT: -48V DC @ 50 AMPS DC	17		*D-34600	*E-50686	D-50687	D-34601 D-34602			CHASSIS: D-50688
	600 VOLT RECTIFIER 5A			C-34909	*E-34996	D-34997 D-35070	SEE ASS'Y			

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SYSTEM NUMBER	WWI UNIT TEST EQUIPMENT	REF WWI MEMO	BLOCK SCHEMATIC	CIRCUIT SCHEMATIC	ASSEMBLY	AL. PANEL TUBE SIDE MARKING	CHASSIS LAYOUT		RACK LOCATION	WWI TEST SPEC.	REMARKS
	CONTROL UNIT-TEST ACCUMULATOR			A-51182	*D-51241	C-51242					
	CATHODE DRIFT STUDIES PANEL			*SB-52668	SB-52680						
	CIRCULATING PULSE INDICATOR			SB-52396	SC-52402						
	CORE DRIVER MOD IV				SB-52171						
	CORE DRIVER MOD V			C-52170	*D-52622	C-52172	C-52174				COVER B-52489
	CORE DRIVER MOD VI			C-52643	D-52772	C-53064	C-53065				PHENOLIC SB-52672
	CORE TEST JIG RACK MOUNT				SB-52497	SB-52498					
	CURRENT PULSE GENERATOR			SB-52031	SB-52031						
	FERROELECTRIC CORE TESTER			SA-52306 SB-52307	SC-52308 SC-52309						
	ION GAUGE MOD I			C-51343							
	ION GAUGE MOD II			C-52456							
	INDICATOR PANEL MOD II			B-52576	*D-52804	C-52805					
	KILN FIRING TIME CONTROLLER			A-51709							
	LOW PERFORMANCE BI-STABLE MULTIVIBRATOR			SA-51815	SB-51816						
	MAGNETIC CORE TESTER			C-50816	*E-51291	C-50815	E-50814				
	MAGNETIC CORE TESTER DRIVER MOD III			C-50822	E-51290	C-50824	D-50823				
	MULTIVIBRATOR FREQ. DIVIDER MOD II			D-51867	*C-51900	C-51904	C-51903				
	NEON BULB STEPPING REGISTER			*SA-51685	SA-51835						

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	32 POSITION CRYSTAL MATRIX SW.			C-52243	B-52242	B-52242				
	PEC 730C POWER SUPPLY			* R-53110						
	RACK POWER INDICATOR PANEL			B-52739	D-52767	C-52768	D-52769			
	SEMI AUTO-CORE TESTER			SC-52235	SD-52073					
	TEKTRONIX COUPLING UNIT MOD II									
	TEKTRONIX COUPLING UNIT			A-52350	* C-52552	C-52351				
	TESTER SWITCH UNIT FOR PLUG-IN MOD II			* B-51539		D-51415				
	TESTER DC FF FOR PLUG-IN MOD II			* B-51538		D-51415				
	TESTER GATE TUBE, GATE BA & DUAL BA PLUG-IN MOD II			* B-51537		D-51415				
	TRIANGULAR PULSE GENERATOR			SA-51887	SA-51888					
	2-WAY SWITCH UNIT			C-52618	* C-52618	C-52618				
	METALLIC ARRAY READ SW PANEL			C-52206						
	PREBURN PANEL 6AH6 -6AN5 -5654			SA-34622						

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WWI UNIT TEST EQUIPMENT	REF WWI MEMO	CIRCUIT SCHEMATIC	ASSEMBLY	CHASSIS LAYOUT	AL PANEL OR COVER DETAIL	BACK COVER	PHENOLIC TEMPLATE	REF TO WWI FILM#	REMARKS
ADJUSTABLE CONSTANTS		C-35124							
AIR CONDITION REMOTE CONTROL					C-40282				
ALARM INDICATOR PANEL			D-34306		D-34306				
93Ω ATTENUATOR		C-30746	*C-50663	C-40217	C-40218			F822	
4:1 BINARY FREQ. DIVIDER									
BINARY FREQUENCY DIVIDER		B-39298			C-31287			F372	
BLOWN FUSE LOCATION PANEL		C-32910	*E-32914		D-32913				
BLOWN FUSE LOCATION PANEL		*SB-52485	SC-52487		SC-52487				
CLOCK PULSE GENERATOR IMC CRYSTAL CONTROLLED		C-30082							
CLOCK PULSE GENERATOR MOD 2 VARIABLE FREQUENCY	R144 E118	*B-39735	C-39782	C-39779	SC-39864 C-39780		C-39781	F500 F501	CALIBRATION CHART A-33000
CODER	R146 M440	*D-32590	C-40010	C-40009	C-40008		C-40011	F563 F564	
CRYSTAL TESTER, MOD. 1		B-30465							
CRYSTAL TESTER, MOD. 2	E84, E37 M92	B-39312						F692	
CRYSTAL TESTER, MOD. 3		B-50772							DIAL A-50774
DC RESET INSERTION PANEL		SC-35937	SC-35937		C-34024 SC-35937				REMOTE-CIR. SCH. SC-36544 SHORTING PLUG SB-35946
DELAY LINE PANEL		D-40307	*C-33202	C-33201	C-33200		C-33203	F689	
LOW SPEED 2 ⁵ COUNTER		D-35360	*E-35565	D-35564	C-35567	C-35567	D-35586		
ES DEFLECTION DECODER IND.					C-35125				
FILAMENT POWER PANEL MOD 3		B-51982	*D-52045		D-52075				
FILAMENT POWER PANEL MOD 1	E117	B-39759							
FILAMENT POWER PANEL MOD 2		B-40127	C-40162		C-40163		C-40164		
FLIP-FLOP STORAGE RESET		C-36775	*D-36812		D-36813				
GATE AND DELAY UNIT MOD. 1		*D-37148							SAME CONSTRUCTION AS MOD 2 EXCEPT FOR TUBES & TYPES & AL. PANEL LAYOUT
GATE AND DELAY UNIT MOD 2		*D-33105	C-33100 C-33102	D-39706 C-33099	C-33104 C-33101		C-33103	F679	CENTER SHIELD B-40399
GATE MIXER AMPLIFIER MOD I		C-31724	C-40368	C-33641	C-40368	C-40388			
GATE PANEL	R151	C-32496	*C-40037	C-40035	C-40037 C-40036		C-40034	F721	
TWO CHANNEL GATE MIXER AMPLIFIER MOD I		D-36703	*D-36719	D-36838	C-36826	C-36839			
TWO CHANNEL GATE MIXER AMPLITUDE MOD II									

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WWI UNIT TEST EQUIPMENT	REF WWI MEMO	CIRCUIT SCHEMATIC	ASSEMBLY	CHASSIS LAYOUT	AL. PANEL OR COVER DETAIL	BACK COVER	PHENOLIC TEMPLATE	REF TO WWI FILM#	REMARKS
HOLDING GUN POW. SUPPLY MOD. 2		D-33559		D-39918	SC-39920	SC-39919			
INDICATOR PANEL MOD. 1		B-32892	*D-32864	C-32865	C-32891			F603	FOR MODIFIED PANELS SEE C-35945
MULTIVIBRATOR FREQ. DIVIDER MOD. 1	E281	D-33285	*C-33776 C-33778	C-33779	C-33780		C-33777		
MARGINAL CHECKING SWITCHES READER RECORDER		C-35624	E-35669						
MILLER SWEEP GENERATOR		C-36197							
PULSE MIXER	R150 M458	C-32565	C-39992	C-39989	C-39990		C-39991	F561 F562	
PULSE STANDARDIZER	R147	C-33001	C-40080	C-40079	C-40081		C-40078	F600 F693	
PUSH BUTTON PULSE SYNCH. R.F. PULSE GENERATOR FOR S.T. MOUNT ALIGNMENT		SB-40392							FOR TRANSF. WINDING SPECS SEE DWGS 36620-36623
-5000 VOLT TV POWER SUPPLY		C-45212							LAMICOID A-36673
RACK POWER CONTROL UNIT MOD 2	E118	D-39647		D-39591	C-39592	SC-39760	A-39757	F467	
REGISTER PANEL (AC)	R145	*D-39754	C-39922	C-39924	C-39921		C-39923	F543 F518	
REGISTER PANEL (DC)	R171	*D-40246	C-33415 C-33416	C-33418	C-33419		C-33417	F686, F687 A-34499	
RESET SWITCH PANEL					C-34024				
RESTORER PULSE GENERATOR		D-30770	*B-30809	E-30774	C-30775			F255-7	
TV CONTROL PANEL		SD-36310			C-36311				
VIDEO SWITCHING PANEL		D-35993	*D-35993	D-35993	D-35993				
SCOPE SYNCHRONIZER	E126	B-39822	C-39882	C-39880	C-39881		C-39879	F498	
SINGLE PULSE SYNCHRONIZER		*B-39454	A-31375 TO A-31378	C-31372	C-31373				
STEP COUNTER PRESET		B-39822	C-32047		C-32049				
STEP COUNTER TEST RESET			C-32047		C-32049				
SYNCHRONIZER SWITCH PANEL			D-34187		D-34187				
START OVER CONTROL		B-35930			D-35935				
TEST CONTROL POWER		C-34880	C-34880		C-34880				
TV SWEEP GENERATOR		D-35952							
VIDEO PROBE	M808	C-33328	D-35248	C-33330				A-34243	
ATTENUATOR	R164	C-33328	C-35247	C-33330				A-34243	
VIDEO PROBE PORTABLE POWER SUPPLY		B-33410						A-34043	SEE REGULATOR VIDEO PROBE POWER B-35036 SHEET 4
AMPLIFIER POWER SUPPLY	P5	B-33357							
PROBE POWER SUPPLY	SCOPE	D-33501		SC-39808					
VIDEO SELECTOR PANEL		B-32030	*D-32024	D-32025	C-32034	D-32169		F-683	
VOLTAGE CALIBRATOR	E303	*C-32493	C-33291	C-33290	C-33289	C-33288	C-33287	F-691	

NOTE: * † ‡ THESE SYMBOLS DESIGNATE MAIN PARTS OF FLEXOWRITER UNITS. D-36638 & D-36684

SYSTEM NUMBER	INPUT OUTPUT EQUIPMENT WWI UNIT	BLOCK DIAGRAM	BLOCK SCHEMATIC	CIRCUIT SCHEMATIC	ASSEMBLY	AL. PANEL TUBE SIDE MARKING	AL. PANEL COMP. SIDE MARKING	CHASSIS DETAIL & ASS'Y.	LOCATION	WWI TEST SPEC.	REMARKS
	TAPE PREPARATION UNIT	B-37282 B-37283		E-35605							FUNCTIONAL SCHEMATIC: C-35953
	RELAY PANEL			*E-35719		E-35683					WOODEN TABLE: E-35735
	*TYPEWRITER			SC-35748							
	†MODIFIED TAPE READER			*D-35750							
	‡PUNCH			*D-35749							
	CONTROL PANEL			*C-35694	D-35713						
	TAPE INPUT UNIT			*D-35793		E-35908	E-35907				PHENOLIC: B-35909
	RELAY PANEL			*D-35793							
	†MODIFIED TAPE READER			*D-35750							
	TAPE OUTPUT UNIT			*R-35927							
	CONTROL PANEL			*R-35927		D-35917	E-35918				CODE PATCH BOARD ASS'Y: B-35956
	REMOTE CONTROL PANEL			*R-35927		E-35954					
	‡MODIFIED TAPE PRINTER			*C-36424							
	†MODIFIED TAPE READER			*D-35750							
	‡PUNCH			*D-35749							
	16 DISPLAY OSCILLOSCOPE			E-45139	*E-45112						
	SCOPE UNIT				*R-45110	E-45113		D-45114			YOKE AND COIL POSITIONING D-45111
	CABINET				E-45135						
	AUXILIARY PANEL				D-45149	D-45184		C-45183			
	CAMERA MTG. 35MM.				*E-45160						
	DEFLECTION AMPLIFIER SCOPE UNIT			C-45315	D-45173	E-45172					

TYPE NUMBER	BURROUGHS TEST EQUIPMENT	LAMICOID LABEL	BLOCK SCHEMATIC	CIRCUIT SCHEMATIC	ASSEMBLY	AL.PANEL TUBE SIDE MARKING	AL.PANEL COMP SIDE MARKING	RACK LOCATION	TEST SPEC.	REMARKS
1001BW	MULTIVIBRATOR PULSE GENERATOR	A-50604		C-50416	* R-53319					FREE RUNNING MULTIVIBRATOR NO SYNC. INPUT
1003AW	GAS TUBE PULSE GENERATOR	A-50613		B-50412	* R-53320					3 GAS TUBE (LOW FREQ.) PULSE GENERATORS
1103AW	FLIP FLOP	A-50606		C-50417	* R-53322					DC FLIP FLOP WITH READ-IN GATE TUBES
1201AW	GATE TUBE PANEL	A-50600		A-50414	* R-53323					2 GATE TUBES WITH STANDARDIZERS
1202AW	CRYSTAL GATE PANEL	A-50615		A-50411	* D-53324					2 CRYSTAL GATE-MIXES-GATES (NEG)
1301BW	GATE & DELAYED PULSE GENERATOR	A-50597		D-50441						GATE GEN. (D-C COUPLED) WITH DELAYED PULSE.
1302AW	DELAY LINE PANEL	A-50605		C-50419						DELAY LINE PANEL WITH STANDARDIZER
1401A	CHANNEL SELECTOR	A-50599		C-50415						1 INPUT, 4 STANDARDIZED OUTPUTS
1501AW	PULSE GATER	A-50607		C-50418	* R-53326					CHEAP GATE GEN. + 1/2 1201A
1601AW	CRYSTAL MIXER BOX	A-50614		A-50413	* C-53328					CRYSTAL MIXER FOR + PULSE, 4 INPUTS
1602A	CRYSTAL MIXER PANEL			A-50440						2 CRYSTAL MIXERS FOR + PULSES, 5 INPUTS
1002AW	HIGH FREQUENCY CLOCK PULSE GENERATOR			B-52058	* R-53321					
1402AW	GATED CHANNEL SELECTOR			C-52059	* R-53325					
8201AW	REMOTE INDICATOR PANEL			A-52056	* D-53327					
1303AW	0.1 μSEC DELAY			A-52057	* D-53329					
7202AW	RACK POWER CONTROL			D-52642						

WWI UNIT STORAGE TEST EQUIPMENT	REF WWI MEMO	CIRCUIT SCHEMATIC	ASSEMBLY	CHASSIS LAYOUT	AL. PANEL OR COVER DETAIL	BACK COVER	PHENOLIC TEMPLATE	REF. TO WWI FILM*	REMARKS
GATE & DELAY ST MOD. A		D-30995							
GATE & DELAY ST MOD. B		C-36196	* E-36199	E-36194	C-36195				
HOLDING GUN GRID AMPLIFIER NEGATIVE INPUT		B-36687							
TWO CHANNEL GATE MIXER & INVERTER AMPLIFIER UNIT		C-36653							
HOLDING GUN & SIGNAL PLATE DRIVER FOR TV DEMONSTRATOR	B-37302	C-36691							
H F SCOPE SYNCHRONIZER		A-36674							
RF PULSE GENERATOR FOR ST MOUNT ALIGNMENT		C-36395							TRANSFORMER A-36620, A-36623, C-36621, C-36622
2 ¹⁰ DECODER		E-50168		E-50140	E-50147				
2 ⁸ INCREMENT GENERATOR		D-50235		E-50176	C-50179				
600/500/400V-5A RECTIFIER		C-50333	* E-50331		D-50332				
500/400/300V-5A REGULATOR		D-50340	* E-50358		E-50357				COVER TUBE SIDE: B-50378 COVER COMP. SIDE: D-50377
P5 SCOPE-ST RELIABILITY TESTER		D-39721							PWR. SUPPLY C-39733
TUBE TAPPER CONTROL		B-50345							
ST TEST LAB 300V 5A REG. MOD I		C-51145							
HV POWER SUPPLY PROTOTYPE		C-51143							
ST TEST LAB -150V 2A REGULATOR		B-51130							
ST TEST LAB 250V 2A RECTIFIER		B-51127							
TUBE TAPPER IND. UNIT MOD II		SB-52732 SB-52731	SB-52733						
RF PULSER ALIGNMENT DEMONSTRATOR		E-51669							

BARTA BUILDING

DEPT. OR ACTIVITY	BARTA BUILDING FLOOR	FLOOR PLAN AND LAYOUT	SECURITY ALARM P.A. SYSTEM DETEX WATCH CONTROL	ROOM DESIGNATIONS AND SQ. FT. AREAS	FIRE EXT. LOCATIONS AND EXIT ASSIGNMENTS	POLAROID DWGS. FOR REF. ONLY	A.C. ELECTRIC POWER DIST. AND FUSE BOX LOCATIONS
POWER-ES LABS.	BASEMENT	R-30376	R-31055	B-30385	B-34904	N62014	R-30388
SHOPS-CAFETERIA- DRAFTING-STOCKRM	1ST FLOOR	R-30377	R-31056	B-30386	B-34905	N62015	R-30389
COMPUTER-ADM. AND ENG. OFFICES	2ND FLOOR	R-30378	R-31057	B-30387	B-34906	N62013	R-30390
AIR CONDITIONING	PENTHOUSE	E-37573					

WHITTEMORE BUILDING

FLOOR	FLOOR PLAN LAYOUT	PARTITIONS	SECURITY ALARM P.A. SYSTEM DETEX WATCH CONTROL	ROOM DESIGNATIONS AND SQ. FT. AREAS	FIRE EXT. LOCATIONS AND EXIT ASSIGNMENTS	MIT BLDG. & POWER DWGS FLOOR PLAN ONLY	MIT BLDG. & POWER DWGS FOR REF. ONLY BLDGS. 1-2-3	PARTITIONING SCALE: $\frac{1}{8}''=1'$	MIT BLDG. & POWER DWGS BLDGS 2&3 LIGHTING FIXTURES
BASEMENT #2	R-50669	B-51019				D-50787	D-50911	C-51560	D-53199
1ST FLOOR #2	R-50670	B-51020				D-50788	D-50912	C-51561	D-53200
2ND FLOOR #2	R-50166(B)	B-50343				D-53204	D-50913	C-51562	D-53201
3RD FLOOR #2	R-50671	B-50777				D-50789	D-50914	C-51563	D-53202
4TH FLOOR #2	R-50672	B-50792				D-50790	D-50915	C-51564	D-53203
ENTRANCE #2		B-50898							
BASEMENT #3	R-50673	B-51021				D-50787	D-50911	C-51560	D-53199
1ST FLOOR #3	R-50676	B-51022				D-50788	D-50912	C-51561	D-53200
2ND FLOOR #3	R-50167(B)	B-50344				D-53204	D-50913	C-51562	D-53201
3RD FLOOR #3	R-50677	B-50778				D-50789	D-50914	C-51563	D-53202
4TH FLOOR #3	R-50678	B-50791				D-50790	D-50915	C-51564	D-53203

BLDG. ENTRANCE - ALBANY ST. SIDE : E-50721
 WHITTEMORE BLDG. POWER : D-50239
 SINGLE LINE DIA. DC LAB. SUPPLIES: D-50437

NOTE: THE ASTERISK (*) INDICATES THAT A PARTS LIST IS AVAILABLE FOR THE DRAWING NUMBER IT PRECEDES.

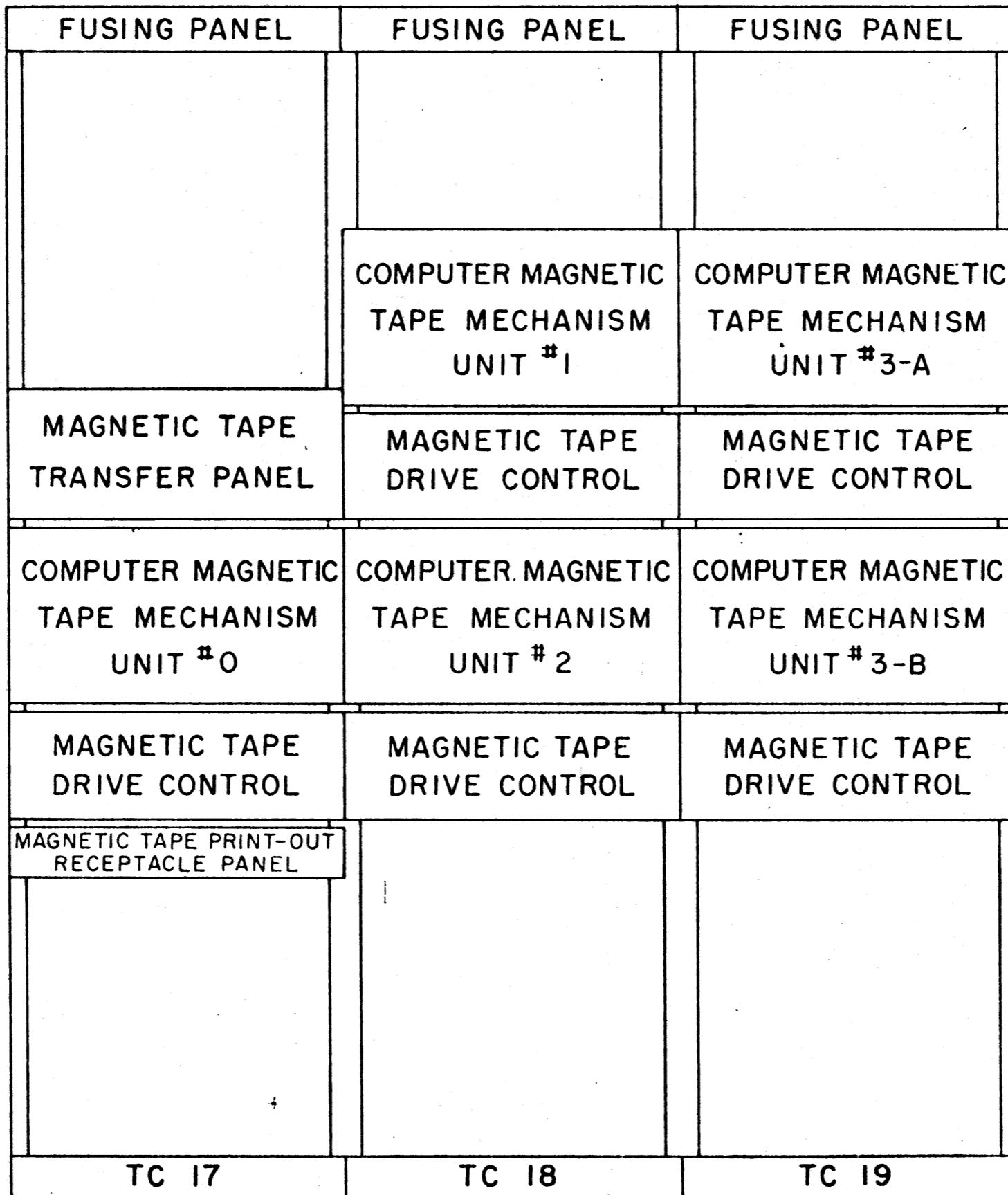
SYSTEM NUMBER	MEMORY TEST COMPUTER MTC UNIT	BLOCK DIAGRAM	BLOCK SCHEMATIC	CIRCUIT SCHEMATIC	ASSEMBLY	AL. PANEL TUBE SIDE MARKING	CHASSIS	LAMICOID LABEL	RACK LOCATION	WWI SPEC	REMARKS
	AUXILIARY SUPPLY FOR POWER SUPPLY TEST LOAD			C-52383	*D-52408	C-52446	D-52536				
	POWER SUPPLY TEST LOAD			C-52384	*E-52496	C-52571 C-52573	E-52570				
	BASIC 9 RACK ASS'Y PWR. SUP.				*E-53012						
	MTC POWER DISTRIBUTION PANEL MOD I			C-52063	*D-52417	C-52067	D-52062				COVER: B-52412
	MTC POWER DISTRIBUTION PANEL MOD II			C-52069	*E-52410	E-52416					
	PLUG IN FF MOUNTING PANEL			D-53233	*R-52937	R-52939		B-52938			MELAMINE BOARDS E-52707
	PLUG IN DC-FF MOD I			C-52583	*C-52584			C-51714			
	5A +130V RECTIFIER			C-52690	*E-52917	D-52960					
	10A +350V RECTIFIER			C-52691	*E-52922	D-52990					
	10A +250V RECTIFIER			C-52692	*E-52927	D-52980					
	5A 250/220/190V RECTIFIER			C-52693	*E-52924	D-52970					
	CATHODE FOLLOWER MOD I			C-52585	*E-52915	R-52706					
	CATHODE FOLLOWER MOD II			C-53198	*E-53217	R-52706					
	STANDARD ALUMINUM PANEL					R-52706					
	DUMMY PANELS 30"				*D-53028						
	DUMMY PANELS 45"				*E-53027						
	VARIABLE VOLTAGE SUPPLY			SA-50924							
	32 POSITION CRYSTAL MATRIX				*R-53047	SUB-ASS'Y E-53048					
	PUSHBUTTON PULSE GENERATORS			C-53153	*D-53094	D-53091	D-53225				
	GT-BA PANEL			D-52594	*E-53058	R-52706					
	PARITY CHECK			D-52942	*E-52946	R-52706					
	DELAY LINE AMPLIFIER			C-51939	*D-53278	C-53152	D-53225				
	BUFFER PANEL			D-53170	*D-53197	C-53312	D-53281				
	DUAL GATE PANEL			D-52588	*E-53043	R-52706					
	DECODER SWITCH			D-52598							

NOTE: THE ASTERISK (*) INDICATES THAT A PARTS LIST IS AVAILABLE FOR THE DRAWING NUMBER IT PRECEDES.

SYSTEM NUMBER	GENERAL LAB EQUIPMENT	BLOCK DIAGRAM	BLOCK SCHEMATIC	CIRCUIT SCHEMATIC	ASSEMBLY	AL. PANEL TUBE SIDE MARKING	CHASSIS	INTERNAL POWER CABLE	RACK LOCATION	WWI TEST SPEC	REMARKS
	AUXILIARY SUPPLY FOR POWER SUPPLY TEST LOAD			C-52383	* D-52408	C-52447	D-52536				
	POWER SUPPLY TEST LOAD			C-52384							
	BASIC 26" WWI RACK				E-51658						
	LAB BENCH POWER SUPPLY MOD II			D-50471	* C-50651						TRANS BRACKET: A-50696
	DC LAB BENCH POWER SUPPLY MOD III			D-50851	* D-50867	D-50887					FASTENER: A-51812
	DC POWER STRIP (4 PLUG OUTLET)			C-39810	* D-50683	D-34452					BUSHING: A-32346
	DC POWER STRIP (8 PLUG OUTLET)			C-39810	* D-50064	R-32339					ASSEMBLY NOT MADE YET
	VOLTMETER BOX				* E-51809	E-51810					
	WWI POWER CONNECTOR (29 PIN)			B-31955					WHERE REQ'D		

SYSTEM NUMBER	WHITTEMORE POWER SUPPLIES (DC)	LINE DIAGRAM	CIRCUIT SCHEMATIC	ASSEMBLY OR LAYOUT	AL. PANEL TUBE SIDE MARKING	CABLING DIAGRAM	WIRING DIAGRAM	WWI TEST SPEC.	REMARKS
	PEC 528 OUTPUT: +150V DC @ 10 AMPS DC		*D-34598			D-34597			
	PEC 776 OUTPUT: +120V DC @ 25 AMPS DC		E-51735	*D-51328					
	PEC 779 OUTPUT: -300V DC @ 15 AMPS DC								
	PEC 774 OUTPUT: -30V DC @ 7.5 AMPS DC								
	PEC 773 OUTPUT: -15V DC @ 13 AMPS DC								
	PEC 777 OUTPUT: +150V DC @ 50 AMPS DC								
	PEC 778 OUTPUT: +250V DC @ 50 AMPS DC								
	PEC OUTPUT: +500V DC AMPS DC								
	PEC OUTPUT: +90V DC AMPS DC								
	SINGLE LINE DIAGRAM		D-50239						
	DC LAB SUPPLY SINGLE LINE DIA.		D-50437						
	BIAS INTERLOCK MOD III		SB-52448						

B-53313



10	9	8	7	6	5	4	3	2	1	CHG.	CN#	DATE	APPD.			

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
 DIGITAL COMPUTER LABORATORY
 DEPT. OF ELECTRICAL ENGINEERING - D. I. C. PROJECT NO. 6889

PANEL ARRANGEMENT OF
TEST CONTROL RACKS TC-17, 18 & 19 (WWI)

SCALE: _____ DR. F.B. 12-10-52

ENG. *[Signature]* CK. _____ APPD. _____

B-53313