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Memorandum 6M-3851-8

Sheet 1 of 21 Sheets

Division 6 — Lincoln Laboratory
Massachusetts Institute of Technology
Lexington 73, Massachusetts

SUBJECT: MASTER REFERENCE LIST OF EQUIPMENT SPECIFICATIONS FOR XD-1

To: R. R. Everett

From: H. Hayes, for the System Office

Date: 9 October 1958

Approved: *DRB*
D. R. Brown

Abstract: The Master Reference List is a compilation of all the currently active technical specification documents which have received Lincoln-IBM concurrence for AN/FSQ-7 (XD-1) design. This list, 6M-3851-8, is a revision of the previous list, 6M-3851-7, and has been brought up to date as of 9 October 1958. Also indicated is the status and/or desired installation date of these changes.

H. L. Hayes
H. Hayes

HH/bjh

Attachment:
Appendix I

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2. The research reported in this document was supported jointly by the Department of the Army, the Department of the Navy, and the Department of the Air Force under Air Force Contract No AF 19 (122)-458.

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6M-3851-8

I. INTRODUCTION

This list is a compilation of all currently active technical specification documents for AN/FSQ-7 (XD-1) as of 9 October 1958.

This memorandum lists:

- (1) Documents that form the equipment specifications for XD-1.

For each document the following information is listed:

1. IBM and/or MIT document number.
2. Title.
3. Date of IBM-MIT concurrence and/or Lincoln Release
4. A Lincoln Laboratory Division VI Document Room File number.
5. A "Status and/or Required" column coded for the following information.

I = Installed
Date = Date required for installation
A = As soon as possible
P = Pending
C = Clarification (no change required)
D = Dropped (waiting a new specification)

- (2) Appendix I which cross references documents to page numbers.

APPROVED FOR PUBLIC RELEASE. CASE 06-1104.

DOC. NO.	SUBJECT	CONC. DATE	LL 6 DR	6M-3851-8 STATUS/DATE	1
CENTRAL COMPUTER					
<u>MAINTENANCE CONSOLE</u>					
TR-17	MAINTENANCE CONSOLE	03/12/54	IBM 441	I	
P-6	RESET LINES	06/01/54	851	I	
P-63	IBM DRAWINGS, MAINTENANCE CONSOLE PANEL DESIGN DRAWINGS, 539-167 6-25-54 301-9230 -6-30-54	10/27/54 REF. DRAW.	854		
P-134-1	CONCURRENCE ON THE PERMANENT DEFERMENT OF THE INSTALLATION OF P-134.	08/17/56	707		
P-178	DELETION OF PRESET STATUS SWITCH FOR MARGINAL CHECKING.	04/04/55	344 735		
P-197	MOD. FOR MAINTENANCE CONSOLE AUDIO AMPLIFIER	07/13/55	367	I	
P-240	PROPOSAL FOR ADDING SWITCHES TO MAINTENANCE CONSOLE	11/15/55	520 521	I	
P-255	LOCATION OF TELEPHONE UNITS IN MAINTENANCE CONSOLE	01/12/56	587 734	I	
P-350	CHANGE TO SPECS. FOR PROTOTYPE COMBAT DIRECTION CENTRALS	02/11/58	812	I	
<u>PROGRAM ELEMENT</u>					
TR-18	PROGRAM ELEMENT	02/08/54	IBM 425	I	
P-132	REMOVAL OF INDEX REGISTERS FROM CONTROL CLEAR LINE	01/19/55	311 312	I	

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DOC. NO.	SUBJECT	CONC. DATE	LL 6 DR	6M-3851-8 STATUS/DATE	2
P-170	ADDITION OF 2 INDEX REGISTERS	04/06/55	338	I	
P-171	PROPOSED CHANGE FOR CLOCK REGISTERS	04/07/55	769 337	I	
P-327	ADDITION OF 65K MEMORY UNIT AND ASSOCIATED CHANGES	06/26/57	760	OCT. 58	
P-327-1	ADDITION OF 65K MEMORY UNIT AND ASSOCIATED CHANGES	08/30/57	775	OCT. 58	
TEST MEMORY					
IM-79	PROPOSAL FOR TEST MEMORY	02/17/54	41	I	
<u>INSTRUCTION CONTROL FRAME</u>					
TR-14	SPECIFICATIONS OF INSTRUCTION CONTROL FRAME	02/01/54	IBM 416	I	
TR-15	INSTRUCTION CONTROL FRAME	01/01/54	IBM 493	I	
P-59	CYCLIC PROGRAM CONTROL	12/22/54	317	I	
P-106-1	CONCURRENCE ON PERMANENT DEFERMENT OF INSTALLATION OF P-106	08/17/56	698		
P-113	LOCK ADDRESS COUNTER MODIFICATIONS	12/22/54	319	I	
P-113-1	UNLOCKING OF THE IO COUNTER	12/08/55	568 548	I	
P-327	ADDITION OF 65K MEMORY UNIT AND ASSOCIATED CHANGES	06/26/57	760	OCT. 58	
P-327-1	ADDITION OF 65K MEMORY UNIT AND ASSOCIATED CHANGES	08/30/57	775	OCT. 58	

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DOC. NO.	SUBJECT	CONC. DATE	LL 6 DR	6M-3851-8 STATUS/DATE	3
P-365	AUTOMATIC SUPPRESSION OF INDEXING ON SITUATION DISPLAY CAMERA	02/14/58	824	I I	
<u>MAGNETIC TAPE SYSTEM</u>					
BP-1	MAGNETIC TAPE PROPOSAL	05/25/54	369	I	
P-17	MAGNETIC TAPE BIT DENSITY	06/29/54	370	I	
P-33	TAPE END OF FILES PROPOSAL	07/08/54	371	I	
P-164-1	CHANGE TO MAGNETIC TAPE SPECS.	08/02/56	693 689	C TO BP-1	
P-177	MAGNETIC TAPE AND REELS	03/30/55	343 174	I	
P-177-1	MAGNETIC TAPE AND REELS	12/29/55	585	I	
P-234	PROPOSAL FOR ADDITION OF TWO MORE TAPE DRIVE UNITS	11/17/55	539 522	I	
P-299	PROPOSAL TO UNLOCK TAPE DRIVE SELECT SWITCHES	06/07/56	674 667	I	
<u>ORDER CODE</u>					
TR-7	PROGRAMMER,S REFERENCE MANUAL (INC. SUPPL. 1)	12/23/53	IBM216A	I	
H-106	STANDARD INSTRUCTION ABBREV.	02/11/54	IBM 343	I	
H-134	SENSE, SELECT, SELECT DRUMS AND OPERATE CODES	02/11/54	IBM 436	I	
P-167	PROP. CHANGE FOR ADDITION OF OPERATE UNIT INSTR. (OPERATE 36) AND CHANGE IN NOMENCLATURE FOR (OPERATE 35).	03/30/55	333 332	I	

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DOC. NO.	SUBJECT	CONC. DATE	LL 6 DR	6M-3851-8 STATUS/DATE	4
P-167-1	ADDITION OF OPERATE CODE	07/01/58	865	I	
P-185-1	PERSELBSEN CODES	07/13/55	373 372	I	
P-265-1	TESTING OF CLOCK REGISTER	05/03/56	660 645	I	
P-278	PROP. FOR ADDITION OF OPERATE INSTRUCTION TO XD-1 TO CONTROL PARITY CHECKING WHEN READING FROM TAPE OR DRUMS.	03/01/56	633 714	I	
P-278-1	ADDITION OF OPERATE INSTRUCTION TO CONTROL PARITY CHECKING WHEN READING FROM TAPES	05/02/58	842	I	
P-279	PROP. ADDITION TO OPERATE INSTRUCTION 30 (OPERATE RAYDIST).	03/15/56	634 733	I	
P-327	ADDITION OF 65K MEMORY UNIT AND ASSOCIATED CHANGES	06/26/57	760	OCT. 58	
P-327-1	ADDITION OF 65K MEMORY UNIT AND ASSOCIATED CHANGES	08/30/57	775	OCT. 58	
P-348	MODIFICATION OF SELECT INSTRUCTION (SEL 04).	09/26/57	786	I I	
P-356	CHANGE TO OUTPUT ALARM SENSE UNITS	12/13/57	807	I	
P-365	AUTOMATIC SUPPRESSION OF INDEX. OF SITUATION DISPLAY CAMERA	02/14/58	824	A	
T-13-2	CHANGE TO PROGRAM TRAP SPECIFICATIONS FOR XD-1	09/05/58	887	A	

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DOC. NO.	SUBJECT	CONC. DATE	LL 6 DR	6M-3851-8 STATUS/DATE	5
MEMORY					
IM-88	PERFORMANCE SPECS FOR AN/FSQ-7 MEMORY ELEMENT	04/09/54	IBM 444	I	
P-246	REVISED PERFORMANCE SPECS. FOR AN/FSQ-7 MEMORY ELEMENT	12/08/55	566 565	I	
P-324	MEMORY ELEMENT SPECS. (AT THIS TIME IT WILL SUPERSEDE IM-88 AND P-246)	06/17/57	758	OCT. 58	
P-324-1	CLARIFICATION OF MEMORY ELEMENT SPECIFICATIONS	07/23/57	761	OCT. 58	
P-327	ADDITION OF 65K MEMORY UNIT AND ASSOCIATED CHANGES	06/26/57	760	OCT. 58	
P-327-1	ADDITION OF 65K MEMORY UNIT AND ASSOCIATED CHANGES	08/30/57	775	OCT. 58	
<u>SELECTION CONTROL FRAME</u>					
TR-24	SPECS OF INPUT-OUTPUT CONTROL FRAME	04/23/54	IBM 483	I	
P-10	DELETION OF DRUM DISCONNECT ON PARITY ALARM AT SELECTION CONTROL FRAME	06/08/54	374	I	
P-32	PROPOSED CHANGES TO SELECTION AND IO CONTROL ELEMENT FOR OUTPUT SYSTEM ALARM	07/15/54	376	I	
P-60	PROPOSAL FOR OPERATE INSTRUCTION TO TURN OFF IO INTERLOCK	12/22/54	375	I	
P-149-1	CHANGE IN SELECTION AND IO CONTROL ELEMENT SPECS. (SENSE DISPLAY INTERROGATION)	07/13/55	293 292	I	

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DOC. NO.	SUBJECT	CONC. DATE	LL 6 DR	6M-3851-8 STATUS/DATE	6
P-200-1	CHANGE IN SELECTION CONTROL	09/23/55	688 687	I	
P-327	ADDITION OF 65K MEMORY UNIT AND ASSOCIATED CHANGES	06/26/57	760	OCT. 58	
P-327-1	ADDITION OF 65K MEMORY UNIT AND ASSOCIATED CHANGES	08/30/57	775	OCT. 58	
P-365	AUTO. SUPPRESSION OF INDEXING OF SITUATION DISPLAY CAMERA	02/14/58	824	A	
<u>ARITHMETIC ELEMENT</u>					
TR-27	SPECS. OF THE ARITHMETIC ELEMENT	05/06/54	IBM 476	I	
P-327	ADDITION OF 65K MEMORY UNIT AND ASSOCIATED CHANGES	06/26/57	760	OCT. 58	
P-327-1	ADDITION OF 65K MEMORY UNIT AND ASSOCIATED CHANGES	08/30/57	775	OCT. 58	
P-329-1	PARITY COUNT AND PARITY CHECK EQUIPMENT	05/17/57	771 772	I	
<u>CARD MACHINES</u>					
T-22	TEMPORARY INSTALLATION OF CARD COUNTER	07/30/58	879	I	
TR-25	CARD MACHINE SYSTEM OPERA.	04/04/54	IBM 574	I	
P-7	CHANGE IN CARD MACHINE SPEC.	06/15/54	377	I	
P-175	REVISION OF 723 PUNCH	09/23/55	459	I	
P-181	PROP. CHANGES IN CARD MACHINE	05/19/55	271 643	I	

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DOC. NO.	SUBJECT	CONC. DATE	LL 6 DR	6M-3851-8 STATUS/DATE	7
P-194	STANDBY CARD MACHINES	06/23/55	754 753	I	
P-194-1	CANCEL CONCURRENCE DOCUMENT, P-194 DELECTION OF STANDBY PRINTER AND PUNCH	10/27/55	509 498		
<u>TELEPHONE MAINTENANCE INTERCOM SYSTEM</u>					
P-72	PROP. PROTOTYPE MAINT INTERCOMMUNICATIONS SYSTEMS SPECS.	10/11/54	379	I	
P-81	MOD. OF XD-1 MAINTENANCE INTERCOM SPECS.	12/18/54	380	I	
P-154	6M-3000, SUPPL. 3, 6, + 10	03/25/55		I	
P-267	PHONE AT IBM MAINT. SUPERVISORS DESK BLDG. F AT LEXINGTON	02/01/56	609	I	
P-327	ADDITION OF 65K MEMORY UNIT AND ASSOCIATED CHANGES	06/26/57	760	OCT. 58	
P-327-1	ADDITION OF 65K MEMORY UNIT AND ASSOCIATED CHANGES	08/30/57	775	OCT. 58	
<u>GENERAL CHANGES TO CENTRAL COMPUTER</u>					
IM-64	MARGINAL CHECKING SYSTEM	02/09/54	IBM 307	I	
P-5	CALCULATOR CONTROL OF MARGINAL CHECKING	06/08/54	381	I	
P-183	PROPOSED CHANGES TO CC BY ADDITION OF AXD SYSTEM	05/03/55	350 351	I	

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DOC. NO.	SUBJECT	CONC. DATE	LL 6 DR	6M-3851-8 STATUS/DATE	8
P-192-3	CONC. ON PERMANENT DEFERMENT OF INSTALLATION OF PROP. P-192	08/17/56	701		
P-192-6	AUTOMATIC BRANCH ON ALARMS	12/23/57	800	I	
P-192-7	AUTOMATIC BRANCH ON ALARMS	08/12/58	875	I	
P-248	PROPOSAL FOR ADDITION OF INACTIVITY ALARM	12/29/55	584 583	I	
P-248-1	CHANGE TO INACTIVITY ALARM SPECIFICATIONS	03/27/58	838	I	
DRUM SYSTEM					
P-142-1	PROPOSED DRUM SYSTEM SPECS.	06/23/55	686 382	I	
P-142-2	CHANGES TO DRUM SYSTEM SPECS.	10/11/55	474	I	
P-142-3	CHANGES TO DRUM SYSTEM SPECS.	10/14/55	853	I	
P-142-4	CHANGES TO DRUM SYSTEM SPECS.	10/24/55	850	I	
P-142-5	CHANGES TO DRUM SYSTEM SPECS.	12/13/57	805	I	
P-306	CHANGE IN GFI INPUT DRUM FIELD 2 TO MAKE BIT R11 A ZERO	08/31/56	710 706	I	
P-364	IC DRUM USED AS DISPLAY TESTER	12/13/57	804	I	
INPUT SYSTEM					
<u>MANUAL INPUTS FRAME</u>					
IM-68	THE MANUAL INPUTS SYSTEM	01/26/54	IBM 339	I	

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DOC. NO.	SUBJECT	CONC. DATE	LL 6 DR	6M-3851-8 STATUS/DATE	9
P-37	POWER SOURCE FOR KEYBOARD INPUTS	07/15/54	383	I	
<u>CARD READER SPECIFICATIONS</u>					
H-87	026 CARD READER SPECS.	01/29/54	105	I	
H-96	056 CARD VERIFIER-READER SPECIFICATIONS	01/29/54	IBM 301	I	
TR-13	MODIFIED 026	01/26/54	106	I	
P-193	.009 CARD STOCK FOR BINARY PUNCHING	06/23/55	284 303	I	
<u>WARNING LIGHTS</u>					
P-13	PROPOSED SPECS OF OPERATION OF WARNING LIGHT SYSTEM	06/24/54	386	I	
P-34	NEW PROPOSAL FOR WARNING LIGHT SYSTEM	07/15/54	385	I	
P-49	WARNING LIGHT FRAME SPECS.	08/18/54	387	I	
<u>PHONE LINE RECORDER</u>					
BP-2	CONCURRENCE REQUEST FOR PHONE LINE DATA RECORDER	05/24/54	384	I	
<u>GFI CONSOLES</u>					
P-54	MODIFIED SDV RADAR INPUT ELEMENT PROPOSAL	07/08/54	389	I	
P-138	6M-3146-1, PROPOSAL FOR MAPPING MATERIAL AND UTILITY HOLDER.	03/22/55	315	I	

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DOC. NO.	SUBJECT	CONC. DATE	LL 6 DR	6M-3851-8 STATUS/DATE	10
P-138-1	SUPPL. TO MAPPING MATERIAL SPECS.	02/16/56	610 622	I	
P-138-2	CHANGE TO SUPPL. TO MAPPING MATERIAL SPECIFICATIONS	08/02/56	692 690	C	
P-188-6	CANCELLATION OF GFI MONITOR AND CAMERA	12/10/57	798	I	
P-303-1	SUPPL. TO CHANGE IN GFI MAPPER SPECS.	10/25/56	736 732	I	
<u>GFI MAPPER COUNTER FRAME</u>					
BP-20	PROPOSED RADAR INPUT COUNTER SECTION - DRAWING - 3028008	03/30/54	390	I	
P-304-2	CHANGE TO LRI + GFI (SITE IDENTITY CODE)	06/12/58	858	A	
P-339	CHANGES TO INPUT SYSTEM SPECS.	12/13/57	806	MAY 58	
<u>TEST PATTERN GENERATOR</u>					
P-220-4	CHANGE TO TEST PATTERN GENERATOR SPECS.	02/28/56	868	I	
P-220-6	CHANGE TO TEST PATTERN GENERATOR SPECS.	01/07/57	869	I	
P-220-7	CHANGE TO TEST PATTERN GENERATOR SPECS.	05/05/58	844	I	
P-283-1	CANCELLATION OF P-283, DRUM PULSE SIMULATOR.	02/11/58	821	I	
P-285-1	CANCELLATION OF P-285, CONVERTERS FOR PRODUCTION TYPE PATTERN GENERATOR.	02/11/58	820	I	

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DOC. NO.	SUBJECT	CONC. DATE	LL 6 DR	6M-3851-8 STATUS/DATE	11
P-287-3	CANCELLATION OF P-287-1, LRI ERROR CHECKER	02/11/58	815	I	
P-325-1	CHANGE TO ERROR CHECKERS AND DRUM SIMULATOR	01/15/58	811	I I	
<u>CROSSTELLING INPUT</u>					
P-14	CROSSTELLING INPUT PERFORMANCE SPECS.	07/08/54	391	I	
P-75	CHANGE TO CROSSTELLING INPUT SPECS.	12/13/54	392	I	
P-199	CHANGE IN CROSSTELL SYSTEM	09/20/55	424 428	I	
P-199-1	CROSSTELL PARITY DISABLE	10/25/55	506 479	I	
P-199-2	CROSSTELL PARITY DISABLE	06/14/56	676 670	I	
P-291	XT WORD CHANGES	04/24/56	648 651	I	
P-339	CHANGE TO INPUT SYS. SPECS.	12/13/57	806	I	
<u>LRI FRAME</u>					
P-47	REVISED PERFORMANCE SPECS. FOR MISCELLANEOUS RADAR INPUT	08/17/54	393	I	
P-47-1	CHANGE TO PERFORMANCE SPECS. FOR MISC. RADAR INPUT	06/12/58	856	A	
P-124	CHANGES TO LRI AND OUTPUT SYSTEM (AFFECTS P-147 + P-52)	03/24/55	394	I	

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DOC. NO.	SUBJECT	CONC. DATE	LL 6 DR	6M-3851-8 STATUS/DATE	12
P-150-1	DELETION OF MODIFICATIONS OF XD-1 LRI EQUIPMENT TO PROVIDE FOR ACCEPTANCE OF PHONE-LINE DATA FROM SOUTH TRURO.	11/13/57	795	I	
P-202	CHANGE TO LRI SYSTEM	09/20/55	429 425	I	
P-229-2	CANCELLATION OF P-229-1 LRI PARITY RATE COUNTER	02/11/58	818	I	
P-230-1	CANCELLATION OF P-230 LRI PARITY RATE ALARM	02/11/58	822	I	
P-275	CHANGES IN LRI FRAME	03/15/56	630 626	I	
P-290	LRI WORD CHANGES	04/24/56	647 650	I	
P-301	MODIFICATION OF LRI PARITY CHECKING CIRCUITRY	06/28/56	684 682	I	
P-304-3	CHANGE TO GFI + LRI SITE IDENTITY CODES.	06/12/58	858	I	
P-304-4	CHANGE TO LRI AND GFI SIZE IDENTITY CODES FOR XD-1	08/26/58	886	A	
P-339	CHANGE TO INPUT SYS. SPECS.	12/13/57	806	MAY 58	
<u>TEST CONSOLES</u>					
P-305-1	CANCELLATION OF P-305, ADDITION OF TEST CONSOLE TO XD-1 SYSTEM	02/11/58	819	I	

LRI MONITOR SPECIFICATIONS

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DOC. NO.	SUBJECT	CONC. DATE	LL 6 DR	6M-3851-8 STATUS/DATE	13
P-189	INSTALLATION OF LRI MONITOR BREADBOARD EQUIPMENT	08/25/55	356 355	I	
P-189-4	CANC. OF P-189-1, LRI MONITOR FOR XD-1, AND P-189-2 CHANGE TO P-189-1 ENTITLED LRI MONITOR FOR XD-1, P-189-2.	02/11/58	823	I	
P-189-5	CHANGE TO LRI MONITOR	02/25/58	827	I	
P-233	LRI MONITOR CONSOLE	10/20/55	526	I	
P-233-1	CHANGE LRI MONITOR CONSOLES	06/14/56	675 672	C	
P-233-2	CHANGE LRI MONITOR CONSOLES	07/11/58	873	I	
<u>INPUT AND OUTPUT CONVERTERS</u>					
P-216-3	CANCELLATION OF INPUT AND OUTPUT CONVERTERS FOR XD-1, P-216-1 AND P-216-2.	02/11/58	816	I	
P-218-2	CANCELLATION OF PRODUCTION TYPE DDR AND DDT EQUIPMENT FOR XD-1, P-218.	02/11/58	817	I	
<u>OUTPUT SYSTEM</u>					
BOMARC					
M-2848-1	PROPOSAL FOR COMMUNICATIONS BETWEEN AN/FSQ-7 AND F-99 (BOMARC) BASES FOR WEAPONS CONTROL. ORIGINAL SPECIFICATIONS. RELEASED BY TIR 1-17. ON 9-12-54.				

OUTPUT FRAME

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DOC. NO.	SUBJECT	CONC. DATE	LL 6 DR	6M-3851-8 STATUS/DATE	14
IM-77	OUTPUT STORAGE ELEMENTS	06/03/54	IBM 466	I	
M-2697	OUTPUT SYS. PERFORMANCE SPECS.	03/03/54		I	
M-2863	PROPOSED CHANGES TO OUTPUT SYSTEM PERFORMANCE SPECS.	07/21/54		I	
P-31	PROPOSED CHANGES TO OUTPUT SYSTEM ALARM SPECIFICATIONS	07/15/54	395	I	
P-43	TELETYPE MONITOR PROPOSAL LTR.	09/13/54	398	I	
P-52	PROPOSAL FOR TESTING OUTPUT SYSTEM WITH MRI AND CROSSTELL INPUT	11/03/54	396	I	
P-52-1	LOOP TEST SPECIFICATIONS	06/28/56	691 681	C	
P-52-2	CHANGE TO LOOP TEST SPECS.	05/01/58	840	I	
P-73	PROP. CHANGES IN PUTPUT SYSTEM SPECS. M-2697	12/06/54	397	I	
P-180	INCREASE OF TELETYPE LINES FOR OUTPUT SYSTEM (TO 10)	06/14/56	346 345	I	
P-180-1	INCREASE OF TELETYPE LINES FOR OUTPUT SYSTEM (TO TOTAL OF 25).	09/20/55	427 415	I	
P-191	PROP. CHANGE TO OUTPUT PERFORMANCE SPECS. M-2697	06/29/55	397	I	
P-201	CHANGE IN OUTPUT SYSTEM	09/23/55	462 433	I	
P-236	OUTPUT STORAGE PARITY ALARM CHECK	12/08/55	567 547	I	

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DOC. NO.	SUBJECT	CONC. DATE	LL 6 DR	6M-3851-8 STATUS/DATE	15
P-259	G/G MESSAGE REJECTION	03/15/56	629 627	I	
P-293	G/G OUTPUT PHONE LINE MESSAGE BIT ARRANGEMENT	04/24/56	649 652	C	
P-302	G/A LOOP TEST MESSAGE BIT ARRANGEMENT	08/17/56	702 696	I	
P-344	TIME DIVISION OUTPUT SECTION	10/30/57	808	IMAY58	
P-356	CHANGE TO OUTPUT ALARM SENSE UNITS	12/13/57	807	I	
P-361	OB REGISTER PARITY CHECK	01/21/58	810	A	
DISPLAY SYSTEM					
AREA DISCRIMINATOR					
IM-72	AN/FSQ-7 AREA DISCRIMINATOR SPECIFICATIONS	02/18/54	IBM 387	I	
IM-78	SPECS. FOR LIGHT GUN AND AREA DISCRIMINATOR CONTROL AND INFORMATION SIGNALS. NO CONCURRENCE. FOR INFORMATION ONLY.		IBM 376 IBM376A		
DISPLAY SYSTEM					
M-2877	SPECS FOR AN/FSQ-7 DISPLAY	08/18/54		I	
M-2877,C1	SYSTEM				
P-48-1	CHANGE TO SPECS FOR AN/FSQ-7 (XD-1) DISPLAY SYSTEM	10/05/56	726 722	I	
P-77	CHANGE TO XD-1 DISPLAY SYS. SPECS. 6M-2877, S1.	12/15/54		I	

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DOC. NO.	SUBJECT	CONC. DATE	LL 6 DR	6M-3851-8 STATUS/DATE	16
P-139	CHANGE TO DISPLAY SYS. SPECS. 6M-2877, S2, S3, S4, + S5.	03/30/55	314	I	
P-139-1	CHANGE TO DISPLAY SPECS.	04/28/58	841	A	
P-151	SPECS. FOR AUTOMATIC CAMERA AND CONTROL FOR AN/FSQ-7. 6M-2877, S6.	06/08/55	330	I	
P-205-1	PROPOSED CHANGES IN MANUAL INPUT CABLING BETWEEN CONSOLES AND FRAME 28	09/01/55	412	I	
P-207-4	XD-1 CONSOLE EQUIP. AND LABEL LAYOUT MEMOS 6M-3583-3, 6M-3584-2, 6M-3585-2, 6M-3586-2, 6M-3587-2.	08/02/56	695	I	
P-207-5	CORRECTIONS, CLARIFICATIONS AND CHANGES TO P-207-4 CONSOLE EQUIPMENT AND LABEL LAYOUTS.	03/21/57	748	I	
P-207-6	MODIFICATION TO CONSOLE EQUIPMENT AND LABEL LAYOUTS.	07/23/57	762	I	
P-207-7	CHANGE TO CONSOLE EQUIPMENT AND LABEL LAYOUTS.	12/13/57	801	I	
P-207-8	CHANGE TO XD-1 CONSOLE	09/13/57	778	I	
P-207-9	EQUIPMENT AND LABEL LAYOUTS.	10/15/57	787	A	
P-207-10	EQUIPMENT AND LABEL LAYOUTS.	11/22/57	799	I	
P-207-11	EQUIPMENT AND LABEL LAYOUTS.	01/21/58	809	I	
P-207-12	EQUIPMENT AND LABEL LAYOUTS.	03/13/58	834	IFEB 59	
P-207-13	EQUIPMENT AND LABEL LAYOUTS.	03/13/58	835	MAY 58	

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P-207-14	EQUIPMENT AND LABEL LAYOUTS.	07/11/58	871	I	
P-207-15	EQUIPMENT AND LABEL LAYOUTS.	06/25/58	867	I	
P-207-16	EQUIPMENT AND LABEL LAYOUTS.	07/02/58	872	I	
P-207-17	EQUIPMENT AND LABEL LAYOUTS.	07/30/58	876	I	
T-20		06/25/58	862	A	
T-21	EQUIPMENT AND LABEL LAYOUTS	07/29/58	878	I	
T-24	EQUIPMENT AND LABEL LAYOUTS.	08/06/58	881	I	
P-208	PROPOSED CHANGES IN MANUAL INPUT INTER-CONNECTION UNIT (FRAME 28).	03/01/55	414 361	I	
P-209	PROPOSED WARNING LIGHT INTER-CONNECTION UNIT.	09/01/55	413	I	
P-209-1	LOCATION OF WARNING LIGHT INTER-CONNECTION UNIT.	09/20/55	426	I	
P-214	CHANGES IN WARNING LIGHT		464	I	
P-214-1	CABLING. CONCURRENCE COVERED IN P-207.				
P-238	CHANGES TO DISPLAY SPECS. 6M-2877, S8.	10/14/55	499	I	
P-256	SUPPL. TO DISPLAY SYSTEM SPECS. (6M-2877)	01/12/56	588 579	I	
P-261	6M-2877, S9, CHANGES TO DISPLAY SPECS.	12/29/55	581	I	

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DOC. NO.	SUBJECT	CONC. DATE	LL 6 DR	6M-3851-8 STATUS/DATE	18
P-271	SUPPL. TO DISPLAY SYSTEM SPECS. (6M-2877)	02/09/56	608 611	I	
P-286	6M-2877, S6, ADDENDUM 1	02/09/56	604	I	
6M-4216	CATEGORY SWITCH LABELS FOR	02/28/56		I	
6M-4216,S1	SITUATION DISPLAY	03/21/56		I	
6M-4216,S2	CONSOLE	02/13/57		I	
P-359		02/10/58	813	I	
P-362	CHANGE TO DISPLAY ASSIGNMENT BIT ASSIGNMENTS	02/13/58	001	M	
<u>DISPLAY CONSOLE</u>					
H-139A	DESIGN SPECS DISPLAY CONSOLE	08/08/54	121	I	
P-36-1	CHANGES TO H-139A	09/00/54	399	I	
P-36-2		10/11/54	848	I	
P-36-3	CONCURRENCE ON MODIFICATION OF H-139A	01/19/56	586	I (I ROOM)	
P-36-4	CHANGE OF 19 CHARACTRON IN SITUATION DISPLAY CONSOLES	01/19/56	598	PARTLY I	
P-36-5	CHANGES IN H-139A	02/16/56	603	C	
P-36-6	CHANGE TO H-139A DESIGN SPECS. FOR SITUATION DISPLAY CONSOLE	10/05/56	727 720	C	
P-36-7	CONCURRENCE ON PERMANENT DEFERMENT OF COMPLETION OF CHANGE P-36-3	08/17/56	697	I	

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DOC. NO.	SUBJECT	CONC. DATE	LL 6 DR	6M-3851-8 STATUS/DATE	19
P-36-8	CHANGE TO H-139A DESIGN SPECS. FOR SITUATION DISPLAY CONSOLES	10/05/56	728 721	I	
P-36-10	CHANGE TO H-139A DISPLAY	02/25/58	826	A	
P-36-11	CONSOLE SPECIFICATIONS	10/04/57	784	A	
P-243	6M-3995, VISOR FOR SITUATION DISPLAY CONSOLE	11/17/55	541	I	
P-270	PROPOSED CHANGE IN DD FILTERS FOR SITUATION + AUXILIARY DISPLAY CONSOLES	02/09/56	606 605	I	
P-341	SITUATION DISPLAY CONSOLE IN MISSION OPERATIONS	01/28/57	740	I	
P-341-1	CHANGE TO SITUATION DISPLAY CONSOLE IN MISSION OPERATION CENTER	02/19/57	743	C	
T-1	SITUATION DISPLAY CONSOLE FOR EXPERIMENTATION AN/FSQ-7	02/11/57	741	I	
T-11	TEMPORARY ADDITION OF NORMAL AREA ASSIGNMENT SWITCH	10/22/57	788	I	
T-17	CHANGE TO H139A DISPLAY CONSOLE SPECIFICATIONS	05/02/58	843	I I	
T-25	CHANGE TO H-139A DISPLAY SYSTEM SPEC.	08/12/58	883	A	
<u>AUXILIARY CONSOLE</u>					
P-127-1	AUXILIARY CONSOLE SPECS. FOR PRODUCTION MACHINES	04/08/55	262 274	I	
P-127-2	AMENDMENTS TO AUXILIARY CONSOLE SPECIFICATIONS	08/11/55	416	I	

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DOC. NO.	SUBJECT	CONC. DATE	LL 6 DR	6M-3851-8 STATUS/DATE	20
P-127-3	CHANGE TO AUXILIARY CONSOLE SPECIFICATIONS	09/23/55	477 550	I (I ROOM)	
P-127-4		10/05/56	730 724	C	
P-127-5	CONCURRENCE ON PERMANENT DEFERMENT OF COMPLETION OF CHANGE P-127-3.	08/17/56	699	I	
P-127-6	CHANGE TO AUXILIARY CONSOLE SPECIFICATIONS	08/21/56	715 712	C	
P-127-7		10/04/57	783	A	
P-355	MANUAL INTERVENTION PUSHBUTTON SWITCHES, REDESIGN	08/29/57	790		
T-4	SITUATION DISPLAY CONSOLE FOR EXPERIMENTATION AN/FSQ-7	09/06/57	773	I	
<u>DISPLAY WIRING AND INTERCONNECTION DOCUMENTS</u>					
6M-3728-1	CATEGORY AND DISPLAY	NONE			
6M-3728-1, C1	ASSIGNMENT BIT ASSIGNMENTS				
6M-3728-1, C2	FOR SAGE SITUATION DISPLAY CONSOLES.				
P-258-3	CHANGE TO FEATURE + CATEGORY SWITCHES REQUIRED TO MAKE XD-1 DISPLAY CONSOLES AGREE WITH SPECS. IN DOCUMENT 6M-3728-1.	09/19/56	718 725	I	
P-258-4	CHANGE TO FEATURE AND	03/05/57	747	I	
P-258-5	CATEGORY SWITCH SPECS.	12/20/57	802	I	

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DOC. NO.	SUBJECT	CONC. DATE	LL 6 DR	6M-3851-8 STATUS/DATE	21
P-258-6	CONCURRENCE ON CHANGE TO FEATURE AND AND CATEGORY SWITCH SPECIFICATIONS.	06/14/57	759	I	
P-258-7	CHANGE TO FEATURE AND CATEGORY SWITCH SPECS.	12/13/57	803	I	
P-258-8	CHANGE TO CATEGORY AND DISPLAY ASSIGNMENT BIT ASSIGNMENTS FOR SITUATION DISPLAY CONSOLES.	11/25/57	797	I	
P-258-9	CHANGE TO FEATURE AND CATEGORY SWITCH SPECS.	11/04/57	791	I	
P-258-10	CONCURRENCE ON CHANGE TO FEATURE AND CATEGORY SWITCH SPECIFICATIONS.	11/13/57	792	I	
P-258-11	CHANGE TO FEATURE AND	03/11/58	832	I	
P-258-12	CATEGORY SWITCH SPECS.	03/13/58	836	I	
P-258-13	CHANGE TO CATEGORY AND DISPLAY BIT ASSIGNMENTS FOR SITUATION DISPLAY CONSOLES.	03/11/58	833	I	
P-258-15	CHANGE TO FEATURE AND CATEGORY SWITCH SPECS.	06/11/58	860		
P-258-16	CHANGE TO CATEGORY AND DISPLAY ASSIGNMENT BIT ASSIGNMENTS	06/06/58	861		
P-258-17	DISPLAY ASSIGNMENT BIT ASSIGNMENT	06/25/58	867	I	
P-258-18	CHANGE TO THE FEATURE AND CATEGORY SWITCH ASSIGNMENTS FOR SD CONSOLES A7 XD-1	09/05/58	885	A	
P-258-19	DISPLAY ASSIGNMENT BIT ASSIGNMENT	07/30/58	877	A	

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DOC. NO.	SUBJECT	CONC. DATE	LL 6 DR	6M-3851-8 STATUS/DATE	22
P-313	TEMPORARY DEVIATION TO DOC. 6M-3951 OPERATIONAL SPECS. FOR SITUATION DISPLAY IN A SAGE DIRECTION CENTER.	08/31/56	711	I	
P-346-1	CHANGE TO DIGITAL DISPLAY ERASE SLOT ASSIGNMENT SPECS.	02/28/57	745 746	I	
T-6-1	TEMPORARY CHANGE TO SITUATION DISPLAY CONSOLE P-00	05/29/58	855	I	
T-12-1	TEMPORARY CHANGE TO EXPANSION LEVELS FOR SD CONSOLES I 02 AND I 04.	11/14/57	793	I	
T-14	TIMED BUTTON RELEASE FOR SITUATION DISPLAY CONSOLE	03/24/58	839	A	
T-14-1	CHANGE TO TIMED BUTTON RELEASE FOR SITUATION DISPLAY CONSOLE	06/17/58	863	A	
<u>SIDE FRAMES</u>					
P-156-1	DISPLAY CONSOLE SIDE FRAMES	04/14/55	253 227	I	
P-156-2	SUPPL. 2 TO DISPLAY CONSOLE SIDE FRAMES	06/08/55	270 264	I	
P-355	MANUAL INTERVENTION SWITCH BUTTON SWITCHES, REDESIGN	08/29/57	790	I I	
<u>LARGE BOARD DISPLAY</u>					
P-173	PROPOSED SPECS. FOR LARGE BOARD DISPLAY, 6M-3439-2	06/08/55	285	I	
P-173-1	SPECS. FOR UTILIZING THE K+H RAPID PROCESSING PHOTOGRAPHIC PROJECTOR SYSTEM, 6M-4017	12/15/55	575	I	

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DOC. NO.	SUBJECT	CONC. DATE	LL 6 DR	6M-3851-8 STATUS/DATE	23
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P-182-4	COMMAND POST DD DESK SPECS.	09/23/55	460 641	I	
P-182-5	SUPPL. TO COMMAND POST DD DESK SPECS.	12/15/55	573	I	
P-182-6	SUPPL. TO COMMAND POST DIGITAL DISPLAY DESK SPECS.	05/17/56	657 655	C	
P-182-7	CHANGE TO COMMAND POST DIGITAL DISPLAY DESK SPECS.	09/13/57	777	I	
P-237	PROPOSED SPECS. FOR STATUS BOARDS FOR COMMAND POST, 6M-3929	10/27/55	507	I	
<u>POWER SUPPLIES</u>					
IM-65	POWER SYSTEM FOR XD-1 INSTALLATION	03/19/54	IBM330A IBM330B	I	
P-46	SPEC. CHANGE TO ELIMINATE ACKNOWLEDGE BUTTON	08/17/54	402	I	
P-51	PROPOSAL FOR SDV RADAR INPUT MCD FRAME	08/31/54	403	I	
P-86	DEVIATION FROM IM-65	09/21/54	401	I	
P-117	CENTRAL COMPUTER MCD FRAME	04/05/55	354 353	I	
P-118	PROPOSED DRUM MCD SPECS.	04/03/55	341 342	I	
P-120	PROPOSED SPECS FOR OUTPUT CROSSTELL AND LRI MCD FRAME	04/05/55	357 340	I	

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P-121	PROPOSED DISPLAY CONSOLE CB FRAME SPECS.	04/05/55	358 339	I	
P-122	DISPLAY MI-WL MCD FRAME	04/05/55	360 359	I	
P-143	PROPOSAL ON SPECS FOR AUXILIARY DRUM MCD UNIT	04/29/55	313 139	I	
P-190-2	SPECS OF TAPE POWER SUPPLY UNIT. SUPERSEDES P-190-1	06/29/55	294	I	
P-213	CHANGE IN METHOD OF SEQUENCING	09/23/55	508	I	
P-222	PROPOSED EXPANSION OF MARGINAL CHECKING SYSTEM FOR TAPE ELEMENT	11/27/55	537 524	I	
P-235	PROPOSAL FOR PLACING SPARE AMPLIDYNE IN STANDBY STATUS	11/17/55	540 523	I	
<u>AIR COOLING</u>					
BP-23-1	CHANGE TO COOLING EQUIPMENT SPECIFICATIONS FOR XD-1 AND XD-2	08/14/58	884	A	
M-2660	COOLING EQUIPMENT SPECS.	02/10/54		I	
M-2658	SECOND FLOOR HEAT LOADS	02/10/54		I	
P-104	FLEXIBLE TUBING FOR CONSOLE CONNECTIONS OF EQUIP. COOLING	11/09/54	404	I	
P-277	AUTOMATIC SHUTDOWN OF POWER TO DISPLAY CONSOLES	03/15/56	631	I	
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P-79	SPARE PARTS AND MAINTENANCE TEST EQUIPMENT STORAGE	12/01/54	406	I	
P-126	SUPPL. TO TEST EQUIPMENT	12/20/54	770	I	
P-165	TOOLS, AND FURNITURE LIST	03/02/55	336	I	
P-187	CHANGE IN TEST EQUIPMENT TOOLS, AND FURNITURE	04/27/55	347	I	
P-203	SUPPL. TO TEST EQUIPMENT, TOOLS AND FURNITURE LIST	07/13/55	407	I	
P-227-3	CONCURRENCE ON PERMANENT DEFERMENT OF INSTALLATION OF PROPOSAL, P-227-2	08/17/56	700		
P-227-4	SATELLITE CONTROL CABLE ASSEMBLY	05/15/58	845	A	
P-241	SUPPL. TO TEST EQUIPMENT.	03/23/55	847	I	
P-244	TOOLS, AND FURNITURE LIST	05/20/55	849	I	
P-264	ADDITIONAL TEST EQUIPMENT	01/19/56	589	I	
P-295-3	CANCELLATION OF P-295-2, DISPLAY CONSOLE TESTER.	06/20/58	864	C	
P-342	PROPOSED PROBE SYSTEM SPECS.	02/15/57	742	I	
<u>SPARE PARTS</u>					
P-109	PROTOTYPE SYSTEM SPARE PARTS POLICY REVISION	12/01/54	408	I	

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<u>BUILDING</u>					
H-152	SCOPE OF IBM RESPONSIBILITY AT AFCRC BLDG. F. APPROVED BY LINCOLN, LTR. TO A. E. QUICK BY R. R. EVERETT DATED 11-9-54.		IBM 724	I	
P-115-2	FIRST FLOOR LAYOUT OF BLDG. F - DRAWING E-76135	12/20/56	739	A	
P-115-3	CHANGE TO XD-1 FLOOR PLAN	07/01/57	776 780	OCT. 58	
P-115-4	REVISED LAYOUT OF MAINTENANCE CONSOLE AREA, BUILDING F	11/08/57	796	I	
P-115-5	CHANGE TO XD-1 FLOOR PLANS	11/19/57	794	MAY 58	
P-115-6		03/12/58	830	I	
P-115-7		03/11/58	831	I	
P-115-10	CHANGE TO XD-1 FLOOR PLANS	07/11/58	870	8SEP 58	
P-163	ATTACHED SKETCH OF BASEMENT LAYOUT	03/15/55	411	I	
P-343	REVISED LAYOUT OF MDI ROOM BLDG. F AT LEXINGTON	02/12/57	749	A	
P-250-2	CHANGE TO SECOND FLOOR LAYOUT, BUILDING F.	06/12/58	857	A	
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