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Memorandum 6M-3851-1

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

SUBJECT: MASTER REFERENCE LIST OF EQUIPMENT SPECIFICATIONS FOR XD-1
To: N. H. Taylor
From: J. Giordano and R. D. Buzzard
Date: 11 October 1955
Approved: *H. E. Anderson*
H. E. Anderson

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Abstract: This Memorandum is the second Master Reference List issued by the Systems Office. The memorandum includes all the revisions and clarifications spelled out in the IBM - SO concurrence document P-228. New specifications not included in P-228 and/or 6M-3851 are indicated by a bracket (J).

The memorandum lists the documents that form the equipment specifications for XD-1. For each document the following information is listed:

1. IBM and/or MIT document numbers
2. Title, author, and date
3. Date of IBM - MIT concurrence and/or Lincoln release
4. A Lincoln Laboratory Division VI Document Room file number
5. A "Required" column indicating the date when the particular document is to have been implemented. Documents are classified as follows:

- (1) Original Specifications or Initial Installation to be in XD-1 by 1 October 1955.
- (2) Required Installation date which is generally later than 1 October 1955.
- (3) As Soon as Possible without influencing delivery of items listed in (1) and (2).
- (4) Manufactures Convenience without influencing delivery of items in (1), (2) and (3).

CLASSIFICATION CHANG D TO:
Auth: *DD254*
By: *RRS*
Date: *4-4-60*

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AN/FSQ-7 (XD-1) SPECIFICATIONS
CENTRAL COMPUTER

Document Number	Title	Remarks	LL 6DR#	Required
<u>Maintenance Console</u>				
TR-17	"Maintenance Console," by R. A. Rocket dated 24 February 1954	Released 12 March 1954	IBM 441	Original Specifications
P-6	"Reset Lines," by W. S. Squire dated 6 May 1954	Concurred 1 June 1954		Initial Installation
P-63	IBM Drawings, "Maintenance Console Panel Design" Drawings 539-167 - 25 June 1954 301-9230 - 30 June 1954	Concurred 27 October 1954		
P-134	"Core Memory Assignment Switch," by J. Feilter dated 21 January 1955	Concurred 14 February 1955	DR 310	Initial Installation
P-178	"Deletion of Preset Status Switch for Marginal Checking " by P. J. Sharkett dated 24 March 1955	Concurred 9 April 1955	DR 344	No Action Required
P-197	"Mod. for Maintenance Console Audio Amplifier," by W. J. Cauty dated 24 May 1955	Concurred 13 July 1955	DR 367	As soon as possible
<u>Program Element</u>				
TR-18	"Program Element," by R. R. Martin dated 2 March 1954	Released 8 February 1954	IBM 425	Original Specifications
P-132	"Removal of Index Registers from the 'Control Clear' Line," by N. H. Decker dated 6 January 1955	Concurred 19 January 1955	DR 311 312	As soon as possible

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CENTRAL COMPUTER (Continued)

<u>Document Number</u>	<u>Title</u>	<u>Remarks</u>	<u>LL 6DR#</u>	<u>Required</u>
<u>Program Element (Continued)</u>				
P-170	"Addition of 2 Index Registers," by P. Longo dated 25 February 1955	Concurred 6 April 1955	DR 338	1 Oct. 1955
P-171	"Proposed Change for the Clock Registers," by P. Longo, dated 25 February 1955	Concurred 7 April 1955	DR 337	1 Oct. 1955
<u>Test Memory</u>				
IM-79	"Proposal for Test Memory," by J. P. Murphy, dated 26 January 1954	Released 17 February 1954	IBM 398	Original Specifications
<u>Instruction Control Frame</u>				
TR-14	"Specification of Instruction Control Frame," by H. J. Kurkjian, dated 26 February 1954	Released 1 February 1954	IBM 416	Original Specifications
TR-15	"Instruction Control Frame," by S. L. Thompson, dated 10 February 1954	Released 1 February 1954	IBM 493	Original Specifications
P-69	"Cyclic Program Control," by R. Douglas, dated 1 September 1954	Concurred 22 December 1954	DR 317	Initial Installation
P-106	"Proposal for an Automatic 'Branch to Zero' Under Switch Control," by R. Douglas, dated 12 November 1954	Concurred 26 January 1955	DR 368	As soon as possible
P-113	"Lock Address Counter Modifications," by A. Gayle, dated 22 December 1954	Concurred 22 December 1954	DR 319	Initial Installation

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CENTRAL COMPUTER (Continued)

Document Number	Title	Remarks	LL 6DR#	Required
<u>Magnetic Tape System</u>				
BP-1	"Magnetic Tape Proposal," by D. C. Hallock dated 11 May 1954	Concurred 25 May 1954	DR 369	Original Specifications
P-17	"Magnetic Tape Bit Density" by D. C. Hallock dated 17 June 1954	Concurred 29 June 1954	DR 370	Initial Installation
P-33	"Tape End of Files Proposal," by D. C. Hallock dated 8 July 1954	Concurred 8 July 1954	DR 371	Initial Installation
P-164	"Change in Rewind Specs. of M.T. Proposal," by F. A. Glenn, dated 28 February 1955	Concurred 2 March 1955	DR 335	Initial Installation
P-177	"Magnetic Tape and Reels," by R. A. Imm dated 9 March 1955	Concurred 30 March 1955	DR 174	Initial Installation
<u>Order Code</u>				
TR-7	"Programmer's Reference Manual," (Revised 22 December 1953) by C. E. Walston	Released 23 December 1953	IBM 216A	Original Specifications
H-106	"Standard Instruction Abbreviations," by W. H. Thomas dated 11 February 1954	Concurred 11 February 1954	IBM 343	Original Specifications
H-134	"Sense, Select, Select Drums and Operate Codes," by H. L. Kurkjian dated 21 April 1954	Concurred 11 February 1954	IBM 436	Original Specifications
P-167	"Proposed Change for the Addition of an Operate Unit Instr. (operate 36) and for a Change in Nomenclature for (operate 35)," by P. Longo dated 25 February 1955	Concurred 30 March 1955	DR 332 333	Initial Installation
P-185-1	"PERSELEBSN Codes" by N. H. Decker dated 5 July 1955	Concurred 13 July 1955 Revision of H-134	DR 372 373	Initial Installation

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CENTRAL COMPUTER (Continued)

<u>Document Number</u>	<u>Title</u>	<u>Remarks</u>	<u>LL 6DR#</u>	<u>Required</u>
<u>Memory</u>				
IM-88	"Performance Specification for the AN/FSQ-7 Memory Element," by W. N. Papiian and W. M. Wittenberg	Released 9 April 1954	IBM 441	Original Specifications
<u>Selection Control Frame</u>				
TR-24	"Specification of the Input-Output Control Frame," by H. J. Kurkjian, dated 8 March 1954	Released 23 April 1954	IBM 483	Original Specifications
P-10	"Deletion of Drum Disconnect or Parity Alarm at Selection Control Frame"	Concurred 8 June 1954	DR 374	Initial Installation
P-32	"Proposed Changes to the Selection and IO Control Element for Output System Alarms" by W. S. Squire dated 7 July 1954	Concurred 15 July 1954	DR 376	Initial Installation
P-60	"Proposal for "Operate" Instruction to Turn Off IO Interlock" by R. McGill dated 6 October 1954	Concurred 22 December 1954	DR 375	Initial Installation
P-149-1	"Changes in the Selection and I/O Control Element Specifications (Sense Display Interrogation)" by R. S. Trevison and W. S. Squire dated 13 July 1955	Concurred 13 July 1955	DR 292 293	1 Dec. 1955
<u>Arithmetic Element</u>				
TR-27	"Specification of the Arithmetic Element" by C. P. Baccari dated 14 April 1954	Concurred 6 May 1954 Released 3 June 1954	IBM 476	Original Specifications
P-91	"XD-1 Parity Count and Parity Check Controls" by H. Kurkjian dated 20 September 1954	Concurred by letter to J.F. Mills dated 22 December 1954	DR 320	Initial Installation

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CENTRAL COMPUTER (Continued)

Document Number	Title	Remarks	LL 6DR#	Required
<u>Card Machines</u>				
TR-25	"Card Machine System Operation," by F. Glenn, R. C. Castle and R. Imm dated 9 July 1954	Concurred 4 April 1954	IBM 574	Original Specifications
P-7	"Change in Card Machine Specifications," by R. J. Cypser, dated 15 June 1954	Concurred 15 June 1954	DR 377	Initial Installation
P-175	"Revision of the 723 Punch," by R. J. Paddock, dated 31 March 1955	Concurred 23 Sept. 1955	DR 459	As soon as possible
P-181	"Proposed Changes in the Card Machine," by R. W. Bottomley and S. L. Thompson	Concurred 19 May 1955	DR 271	1 January 1956
P-194	"Standby Card Machines for XD-1," by R. J. Paddock, dated 21 June 1955	Concurred 23 June 1955		As soon as possible
<u>Telephone Maintenance</u>				
<u>Intercom System</u>				
P-72	"Proposed Prototype Maintenance Intercommunications Systems Specifications," by A. Gayle, dated 30 September 1954	Released 31 December 1954	DR 379	Original Specifications
P-81	"Modifications of XD-1 Maintenance Intercom Specifications," by H. J. Kirshner, dated 18 December 1954	Concurred 18 December 1954	DR 380	Initial Installation
P-154	6M-3000, Supplements 3, 6 and 10, by H. J. Kirshner	Concurred 25 March 1955		Initial Installation

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CENTRAL COMPUTER (Continued)

Document Number	Title	Remarks	LL 6DR#	Required
<u>General Changes to Central Computer</u>				
IM-64	"Marginal Checking System for XD-1," by L. R. Walters	Released 9 February 1954	IBM 306	Original Specifications
P-5	"Calculator Control of Marginal Checking," by P. Sharkitt, dated 27 April 1954	Concurred 8 June 1954	DR 381	Initial Installation
P-183	"Proposed Changes to CC by the Addition of an AXD System," by P. Longo, dated 20 April 1955	Concurred 3 May 1955	DR 350 351	1 Feb. 1956
P-192	"Proposal for the Addition of the Automatic Branch on Alarms Feature," by P. Longo, dated 6 June 1955	Concurred 13 July 1955	DR 365 366	1 Feb. 1956
<u>DRUM SYSTEM</u>				
E-142-1	"IM-70-2 Drum System Specifications," by N. H. Decker	Supersedes all Previous Documents. Concurred 23 June 1955	DR 382	The added AID is required by 1 Feb. 1956
<u>INPUT SYSTEM</u>				
<u>Manual Inputs</u>				
<u>Manual Input Frame</u>				
IM-68	"The Manual Inputs System," by W. M. McMillan, dated 25 January 1954	} Concurred 26 January 1954 Released 2 February 1954	IBM 339	Original Specifications
TR-13	"Modified 026," by R. W. Wilser, dated 26 February 1954		IBM 369	Original Specifications

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INPUT SYSTEM (Continued)

<u>Document Number</u>	<u>Title</u>	<u>Remarks</u>	<u>LL 6DR#</u>	<u>Required</u>
<u>Manual Inputs (Continued)</u>				
<u>Manual Inputs Frame (Continued)</u>				
P-37	"Power Source for Keyboard Inputs," by W. S. Squire, dated 12 July 1954	Concurred 15 July 1954	DR 383	Initial Installation
<u>Card Reader Specifications</u>				
H-87	"026 Card Reader Specifications," by W. M. McMillan, dated 16 December 1953	} Concurred 29 January 1954. Released 3 February 1954	IBM 266	Original Specifications
H-96	"056 Card Verifier-Reader Specifications," by R. E. Wilser		IBM 301	
TR-13	"Modified 026," by R. E. Wilser, dated 26 February 1954	Concurred 26 January 1954. Released 2 February 1954	IBM 369	
P-193	".009 Card Stock for Binary Punching and Reading"	Concurred 23 June 1955	DR 303	Initial Installation
<u>Warning Lights</u>				
H-13	"Proposed Specifications of the Operation of the Warning Light System," by W. S. Squire, dated 10 June 1954	Concurred 24 June 1954	DR 386	Original Specifications
P-34	"New Proposal for Warning Light System," by H. J. Kurkjian, dated 2 July 1954	Concurred 15 July 1954	DR 385	Original Specifications
P-49	"Warning Light Frame Specifications," by W. S. Squire, Dated 23 July 1954	Concurred 18 August 1954	DR 387	Original Specifications

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INPUT SYSTEM (Continued)

<u>Document Number</u>	<u>Title</u>	<u>Remarks</u>	<u>LL 6DR#</u>	<u>Required</u>
<u>Manual Inputs (Continued)</u>				
<u>Warning Lights (Continued)</u>				
P-69	"Concurrence Letter on Changes in the XD-1 Warning Lights Specifications," by R. P. Mayer, Dated 18 November 1954	Concurred 18 November 1954. Superseded by P-209	DR 388	
<u>Phone Line Recorder</u>				
BP-2	"Concurrence Request for Phone Line Data Recorder," by M. J. Raffensperger, dated 12 May 1954	Concurred 24 May 1954	DR 384	Initial Installation
<u>Automatic Inputs</u>				
<u>GFI Consoles</u>				
P-54	"Modified SDV Radar Input Element Proposal for XD-1," by A. P. Arneith	Concurred 8 July 1954	DR 389	Initial Installation
P-138	6M-3146-1, "Proposal for Mapping Material and Utility Holder," by M. Feldstein, dated 22 March 1955	Concurred 22 March 1955	DR 315	As soon as possible
<u>GFI Mapper Counter Frame</u>				
BP-20	"Proposed Radar Input Counter Section," by M. J. Raffensperger, dated 18 March 1954 Drawing - 3028008	Released 30 March 1954	DR 390	Original Specifications
P-188-2	"GFI Monitor Equipment for XD-1 and Production Machines," by J. J. Coughlin, dated 24 May 1955	Concurred 7 June 1955	DR 296 297	As soon as possible
P-188-3	"GFI Monitor Specifications," by W. S. Squire	Concurred 13 July 1955	DR 295	As soon as possible

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INPUT SYSTEM (Continued)

<u>Document Number</u>	<u>Title</u>	<u>Remarks</u>	<u>LL 6DR#</u>	<u>Required</u>
<u>Automatic Inputs (Continued)</u>				
<u>Crosstelling Input</u>				
P-14	"Crosstelling Input Performance Specifications for AN/FSQ-7 (XD-1) and (XD-2)," by P. W. Rocco, dated 4 June 1954	Concurred 8 July 1954 Released 7 September 1954	DR 391	Original Specifications
P-75	"Changes to Crosstelling Input Specifications," by W. S. Squire dated 13 December 1954	Concurred 13 December 1954	DR 392	Initial Installation
P-199	"Changes in Crosstell System," by J. J. Coughlin, dated 7 July 1955	Concurred 20 September 1955	DR 424 428	Manufactures Convenience
<u>Frame</u>				
P-47	"Revised Performance Specifications for Miscellaneous Radar Input," by W. S. Squire, dated 13 July 1954	Concurred 17 August 1954 Released 24 September 1954	DR 393	Original Specifications
P-124	"Changes to LRI and Output System," by R. C. Marden, dated 24 March 1955 (Affects P-147 and P-52)	Concurred 24 March 1955	DR 394	Initial Installation
P-150	"Proposal for Modifications of XD-1 LRI Equipment to Provide for Acceptance of Phone-Line Data from South Truro," by H. J. White, dated 8 April 1955 (Added Scope)	Concurred 15 April 1955	DR 331	1 Oct. 1955
P-202	"Changes to the LRI System," by J. J. Coughlin, dated 7 July 1955	Concurred 20 September 1955	DR 425 429	Manufactures Convenience

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INPUT SYSTEM (Continued)

<u>Document Number</u>	<u>Title</u>	<u>Remarks</u>	<u>LL 6DR#</u>	<u>Required</u>
<u>Automatic Inputs (Continued)</u>				
<u>LRI Monitor Specifications</u>				
P-189	"Installation of LRI Monitor Breadboard Equipment in XD-1," by J. J. Coughlin, dated 24 August 1955	Concurred 8 August 1955	DR 355 356	September 1955
<u>Input Pattern Generator</u>				
P-186-1	"Proposed Specifications for Input Pattern Generator," by N. H. Decker	For Information only, final specifications forth coming.	DR 309	
<u>OUTPUT SYSTEM</u>				
M-208-1	"Proposal for Communication Between AN/FSQ-7 and F-99 (Bomarc) Bases for Weapons Control," by J. F. Jacobs and J. Arnow	Original Specifications Released by TIR 1-17 on 12 September 1954		
<u>Output Frame</u>				
IA-77	"Output Storage Element," by L. H. Lee (Rewrite of "Proposed Core Vacuum Tube Output System," by H. K. Rising and R. G. Counihan)	Released 3 June 1954	IBM 466	Original Specifications
M-2697	"Output System Performance Specifications," 1 March 1954	Released 3 March 1954		Original Specifications
M-2863	"Proposed Changes to Output System Performance Specifications," by R. C. Hopkins, dated 11 June 1954	Concurred 21 July 1954		Initial Installation
P-31	"Proposed Changes to the Output System Alarm Specifications," by W. S. Squire dated 7 July 1954	Concurred 15 July 1954	DR 395	Initial Installation

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OUTPUT SYSTEM (Continued)

<u>Document Number</u>	<u>Title</u>	<u>Remarks</u>	<u>LL 6DR#</u>	<u>Required</u>
<u>Output Frame (Continued)</u>				
P-43	"Teletype Monitor Proposal Letter," by A. Gayle, dated 22 July 1954	Concurred 13 September 1954	DR 398	
P-52	"A Proposal for Testing the Output System with the MRI and Crosstell Input for XD-1 and XD-2," by P. W. Rocco and R. F. Murray, dated 19 August 1954	Concurred 3 November 1954	DR 396	Initial Installation
P-73	"Proposed Changes in the Output System Specifications M-2697," by W. S. Squire dated 30 November 1954	Concurred 6 December 1954		Initial Installation
P-180	"Increase of Teletype Lines for the Output System," by R. C. Marden, dated 4 April 1955	Concurred 14 June 1955	DR 345 346	1 January 1956
P-180-1	"Increase of Teletype Lines for the Output System," by J. J. Coughlin, dated 22 August 1955	Concurred 20 September 1955 (a total of 10 (a total of 25	DR 427	1 April 1956) 1 July 1956)
P-191	"Proposed Change to the Output Performance Specifications M-2697," by J. J. Coughlin, dated 8 June 1955	Concurred 29 June 1955	DR 397	Initial Installation
P-201	"Changes in the Output System by J. J. Coughlin, dated 12 July 1955	Concurred 23 September 1955	DR 462	Manufactures Convenience

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DISPLAY SYSTEM

<u>Document Number</u>	<u>Title</u>	<u>Remarks</u>	<u>LL 6DR#</u>	<u>Required</u>					
<u>Area Discriminator</u>									
IM-72	"AN/FSQ-7 Area Discriminator Specifications for XD-1 and XD-2," by R. C. Marden, including change of 3 April 1954	Concurred 18 February 1954 Released 1 March 1954	IBM 345 378	Original Specifications					
IM-78	"Specifications for Light Gun and Area Discriminator Control and Information Signals," by W. S. Squire, dated 10 March 1954	No concurrence For Information Only	IBM 376						
<u>Display System</u>									
M-2877	"Specifications for AN/FSQ-7 (XD-1) Display System," by C. L. Corderman and R. S. Fallows, dated 27 July 1954	Concurred 18 August 1954		Modified Original Specifications					
P-77	6M-2877, Supplement 1 by R. Gerhardt, dated 12 November 1954	Concurred 15 December 1954		Initial Installation					
P-139	{ 6M-2877, Supplement 2 by R. Gerhardt dated 6 December 1954 6M-2877, Supplement 3 by R. Buzzard dated 17 January 1955 6M-2877, Supplement 4 by R. Gerhardt dated 23 January 1955 6M-2877, Supplement 5 by C. Corderman dated 24 January 1955 }	Concurred 30 March 1955	DR 314	Initial Installation					
					P-151	6M-2877, Supplement 6 "Specifications for Automatic Camera and Control for AN/FSQ-7," by L. Sutro, dated 12 April 1955	Concurred 8 June 1955	DR 318	Initial Installation

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DISPLAY SYSTEM (Continued)

<u>Document Number</u>	<u>Title</u>	<u>Remarks</u>	<u>LL 6DR#</u>	<u>Required</u>
<u>Display System</u> (Continued)				
P-205-1	"Proposed Changes in Manual Input Cabling Between Consoles and Frame 28"	Concurred 1 September 1955	DR 412	15 Feb. 1956*
P-207	"XD-1 Console Equipment and Label Layouts," by H. K. Rising and R. D. Buzzard, dated 1 June 1955	Concurred 21 July 1955	DR 304	15 Feb. 1956*
P-208	"Proposed Changes in the Manual Input Interconnection Unit (Frame 28) for XD-1"	Concurred 1 September 1955	DR 361	15 Oct. 1955
P-209	"Proposal Warning Light Interconnection Unit"	Concurred 1 September 1955	DR 413	15 Feb. 1956
P-209-1	"Location of Warning Light Interconnection Unit"	Concurred 20 September 1955	DR 426	15 Feb. 1956
P-214	"Changes in Warning Light Cabling for XD-1," by R. C. Marden and R. E. Wagner, dated 12 September 1955	Concurrence covered in P-207	DR 464 465	15 Feb. 1956*
<u>Display Consoles</u>				
H-139A	"Design Specifications, Display Console for AN/FSQ-7, XD-1 and XD-2," by R. G. Mork, dated 21 June 1954	Released 8 August 1954	DR 127	Original Specifications
P-36-1	Changes to H-139A, dated 21 June 1954	Concurred September 1954	DR 399	Initial Installation
P-36-2	Changes to H-139A	Concurred 11 October 1955		1 Feb. 1956

* These changes are to be one-third complete by 21 November 1955.

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DISPLAY SYSTEM (Continued)

<u>Document Number</u>	<u>Title</u>	<u>Remarks</u>	<u>LL 6DR#</u>	<u>Required</u>
<u>Auxiliary Console</u>				
P-127-1	"Auxiliary Console Specifications for XD-1, XD-2 and Production Machines," by R. C. Marden and R. W. Lowrie, dated 6 April 1955	Concurred 8 April 1955	DR 274	Initial Installation
P-127-2	Amendments to "AN/FSQ-7 Auxiliary Console Specifications for XD-1, XD-2, and the Production Machine," dated 24 June 1955	Concurred 11 August 1955		Initial Installation
<u>Side Frames</u>				
P-156-1	"Display Console Side Frames for XD-1, XD-2," by R. C. Marden and R. W. Lowrie, dated 11 April 1955	Concurred 14 April 1955	DR 227 253	Initial Installation
P-156-2	"Supplement 2 to Display Console Side Frames for XD-1," dated 6 June 1955	Concurred 8 June 1955	DR 264 270	Initial Installation
<u>Large Board Display</u>				
P-173	"Proposed Specifications for Large Board Display," 6M-3439-2, by R. D. Buzzard and N. T. Jones, dated 21 April 1955	Concurred 8 June 1955	DR 285	1 Feb. 1956
<u>Command Post</u>				
P-182-4	"Command Post DD Desk Specifications for XD-1," by R. C. Marden, dated 16 September 1955	Concurred 23 September 1955	DR 460	1 Feb. 1956

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ASSOCIATE EQUIPMENT

<u>Document Number</u>	<u>Title</u>	<u>Remarks</u>	<u>LL 6DR#</u>	<u>Required</u>
<u>Power Supplies</u>				
IM-65	"Power System for XD-1 Installation," by P. A. Beeby and J. Gano, dated 26 January 1954	Released 18 March 1954 Concurred 8 March 1954	IBM 330	Original Specifications
P-46	"Specification Change to Eliminate the Acknowledge Button," by W. S. Squire, dated 12 August 1954	Concurred 17 August 1954	DR 402	Initial Installation
P-51	"Proposal for SDV Radar Input MCD Frame for XD-1," by G. H. Halgas, dated 13 August 1954	Concurred 31 August 1955	DR 403	Initial Installation
P-86	"Deviation from IM-65," by R. F. Keating, dated 14 September 1954	Concurred 21 September 1954	DR 401	Initial Installation
P-117	"Central Computer MCD Frame," by N. H. Decker, dated 19 January 1955	Concurred 5 April 1955	DR 353 354	Initial Installation
P-118	"Proposed Drum MCD Specifications for the XD-1 and XD-2," by N. H. Decker, dated 11 January 1955	Concurred 3 February 1955	DR 342 341	Initial Installation
P-120	"Proposed Specification for Output Crosstell and LRI MCD Frame," by N. H. Decker, dated 27 January 1955	Concurred 5 April 1955	DR 340 357	Initial Installation
P-121	"Proposed Display Console CB Frame Specifications for XD-1 and XD-2," by N. H. Decker, dated 10 January 1955	Concurred 5 April 1955	DR 339 358	Initial Installation

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<u>Document Number</u>	<u>Title</u>	<u>Remarks</u>	<u>LL 6DR#</u>	<u>Required</u>
<u>Power Supplies</u> (Continued)				
P-122	"Display MI-WL MCD Frame," by N. H. Decker, dated 31 January 1955	Concurred 5 April 1955	DR 359 360	Initial Installation
P-143	"Proposal on Specification for the Auxiliary Drum MCD Unit," by N. H. Decker, dated 3 March 1955	Concurred 29 April 1955	DR 313	Initial Installation
P-190-2	"Specifications of the Tape Power Supply Unit for AN/FSQ-7"	Concurred 29 June 1955 Supersedes P-190-1	DR 294	Initial Installation
P-213	"Change in Method of Sequencing," by P. Longo, dated 12 September 1955	Concurred 23 September 1955		Manufactures Convenience
<u>Cooling</u>				
6M-2660	"Cooling Equipment Specifications for AN/FSQ-7 (XD-1)," by W. H. Ayer, dated 1 February 1954	Released 10 February 1954		Original Specifications
M-2658	"Second Floor Heat Loads for XD-1," by W. H. Ayer, dated 29 January 1954	Released 10 February 1954		Original Specifications
P-104	"Flexible Tubing for Console Connections of the Equipment Cooling System," by H. A. Olsen, dated 29 October 1954	Concurred 9 November 1954	DR 404	Initial Installation
<u>Misc. Test Equipment</u>				
P-66	"Test Equipment, Tools, and Furniture List for XD-1 Maintenance," dated 26 October 1954	Concurred 26 October 1954 Released 18 November 1954	DR 405	Original Specifications

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ASSOCIATE EQUIPMENT (Continued)

<u>Document Number</u>	<u>Title</u>	<u>Remarks</u>	<u>LL 6DR#</u>	<u>Required</u>
<u>Misc. Test Equipment</u> (Continued)				
P-79	"Spare Parts and Maintenance Test Equipment Storage," by A. Gayle, dated 1 December 1954	Concurred 1 December 1954	DR 406	Initial Installation
P-126	"Supplement to Test Equipment, Tools and Furniture List," by R. Bottomley, dated 20 December 1954	Concurred 20 December 1954		Initial Installation
P-165	"Supplement to the Test Equipment, Tools and Furniture List," by R. C. Marden, dated 2 March 1955	Concurred 2 March 1955	DR 336	Initial Installation
P-187	"Changes in Test Equipment, Tools and Furniture," by R. C. Marden, dated 27 April 1955	Concurred 27 April 1955	DR 347	Initial Installation
P-203	"Supplement to Test Equipment, Tools and Furniture List," by R. C. Marden	Concurred 13 July 1955	DR 407	Initial Installation
	"Supplement to the Test Equipment, Tools and Furniture List," by R. Bottomley, dated 23 March 1955	Concurred 23 March 1955		Initial Installation
	"Test Equipment Supplement List for XD-1 Maintenance," by R. W. Bottomley, dated 17 May 1955	Concurred 20 May 1955		Initial Installation
<u>Spare Parts</u>				
P-109	"Prototype System Spare Parts Policy Revision," by N. H. Decker, dated 1 December 1954	Concurred 1 December 1954	DR 408	Initial Installation

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<u>Document Number</u>	<u>Title</u>	<u>Remarks</u>	<u>LL 6DB#</u>	<u>Required</u>
<u>Building</u>				
H-152	"Scope of IBM Responsibility at AFRC Building F for XD-1," by A. E. Quick, dated 15 October 1954 and correction dated 13 April 1955	Approved by Lincoln Letter to A. E. Quick by R. R. Everett, 9 November 1954		
P-115	First Floor Layout of Building F Dwg. 5001-31007 Revision L	Concurred 6 January 1955		
P-136	"Relocate Master Clock"	Concurred 14 February 1955		
P-163	"Attached Sketch of Basement Layout Building F"	Concurred 15 March 1955	DR 411	
P-184	"Proposal for the Location of the AXD Frame and AXD MCD on First Floor of Building F," by P. Longo, dated 21 April 1955	Concurred 5 May 1955	DR 348 349	
P-196	"Concurrence on First Floor Plan Changes," by P. Longo	Concurred 13 July 1955	DR 409 410	
P-210	"Dwg. E-58233-11 Second Floor Layout of Building F"	Concurred 25 August 1955		
<u>Operational Furniture for XD-1</u>				
P-78	6M-3218, Operational Furniture for AN/FSQ-7 (XD-1)	Concurred 14 December 1954		Original Specifications
6M-3055-1	Types and Locations of Clocks, Building F	Released 3 December 1954		Original Specifications

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