

MILITARY STANDARD

FORMATS AND CODING OF TABULATING AND
 APERTURE CARDS FOR ENGINEERING DATA
 MICRO-REPRODUCTION SYSTEM

TO ALL ACTIVITIES:

1. The following page of MIL-STD-804 has been revised and supersedes the page listed:

<i>New page</i>	<i>Date</i>	<i>Superseded page</i>	<i>Date</i>
3	6 February 1961	3	15 April 1960
4	6 February 1961	4	15 April 1960

2. The following pages are to be added:

<i>New page</i>	<i>Date</i>
4a	6 February 1961
4b	6 February 1961
4c	6 February 1961

3. Retain this notice and insert before the table of contents.

OBsolete

H

3.11 Revision notice. A revision notice is a separate document that describes a change to an engineering drawing in accordance with Standard MIL-STD-24.

3.12 Tabulating card. A tabulating card is a card on which data is entered by use of punched holes or other means that can be sensed by a machine so that it can sort, collate, list, total, or otherwise manipulate the card or the data.

4. GENERAL REQUIREMENTS

4.1 Card stock. Tabulating and aperture card stock size and thickness shall be in accordance with figure 1. The color of tabulating and aperture card stock shall be buff.

4.2 Card corner cut. All tabulating and aperture cards except those containing classified information shall have an upper left corner cut. The corner cut shall be $\frac{1}{4}$ inch along the top edge of the card and $\frac{3}{8}$ inch along the left edge of the card.

4.3 Card punching code. The card punching code used to punch and interpret information on tabulating and aperture cards shall be the EDMS card punching code as follows:

- a. The EDMS card punching code for the letter "A" shall be punches 12-1.
- b. The EDMS card punching code for the letter "B" shall be punches 12-2.
- c. The EDMS card punching code for the letter "C" shall be punches 12-3.
- d. The EDMS card punching code for the letter "D" shall be punches 12-4.
- e. The EDMS card punching code for the letter "E" shall be punches 12-5.
- f. The EDMS card punching code for the letter "F" shall be punches 12-6.
- g. The EDMS card punching code for the letter "G" shall be punches 12-7.

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- h. The EDMS card punching code for the letter "H" shall be punches 12-8.
- i. The EDMS card punching code for the letter "I" shall be punches 12-9.
- j. The EDMS card punching code for the letter "J" shall be punches 11-1.
- k. The EDMS card punching code for the letter "K" shall be punches 11-2.
- l. The EDMS card punching code for the letter "L" shall be punches 11-3.
- m. The EDMS card punching code for the letter "M" shall be punches 11-4.
- n. The EDMS card punching code for the letter "N" shall be punches 11-5.
- o. The EDMS card punching code for the letter "O" shall be punches 11-6.
- p. The EDMS card punching code for the letter "P" shall be punches 11-7.
- q. The EDMS card punching code for the letter "Q" shall be punches 11-8.
- r. The EDMS card punching code for the letter "R" shall be punches 11-9.
- s. The EDMS card punching code for the letter "S" shall be punches 0-2.
- t. The EDMS card punching code for the letter "T" shall be punches 0-3.
- u. The EDMS card punching code for the letter "U" shall be punches 0-4.
- v. The EDMS card punching code for the letter "V" shall be punches 0-5.

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- w. The EDMS card punching code for the letter "W" shall be punches 0-6.
- x. The EDMS card punching code for the letter "X" shall be punches 0-7.
- y. The EDMS card punching code for the letter "Y" shall be punches 0-8.
- z. The EDMS card punching code for the letter "Z" shall be punches 0-9.
- aa. The EDMS card punching code for the numeral "1" shall be punch 1.
- ab. The EDMS card punching code for the numeral "2" shall be punch 2.
- ac. The EDMS card punching code for the numeral "3" shall be punch 3.
- ad. The EDMS card punching code for the numeral "4" shall be punch 4.
- ae. The EDMS card punching code for the numeral "5" shall be punch 5.
- af. The EDMS card punching code for the numeral "6" shall be punch 6.
- ag. The EDMS card punching code for the numeral "7" shall be punch 7.
- ah. The EDMS card punching code for the numeral "8" shall be punch 8.
- ai. The EDMS card punching code for the numeral "9" shall be punch 9.
- aj. The EDMS card punching code for the numeral "0" shall be punch 0.
- ak. The EDMS card punching code for a dash "-" shall be punch 11.

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- al. The EDMS card punching code for a slash "/" shall be punches 0-1.
- am. The EDMS card punching code for a period "." shall be punches 12-8-3.
- an. The EDMS card punching code for a right parenthesis ")" shall be punches 12-8-4.
- ao. The EDMS card punching code for a left parenthesis "(" shall be punches 0-8-4.

4.4 Card striping code. The card striping code shall be as follows:

- a. The card striping code to assist in identifying tabulating or aperture cards containing classified information will be a 1/4-inch red stripe printed across the face and back of the card between the 0 and 1 punch locations.
- b. The card striping code to identify an aperture card containing a processed camera microfilm image will be a 1/4-inch yellow stripe printed across the face of the card above the 12 punch location.

4.5 Document image location. Frames of microfilm shall be mounted in aperture cards so that images of documents are located in accordance with figure 1.

4.6 End printing. Space is provided on the card formats for end printing two lines of eight characters each. The use of this space, and the information to be printed therein, shall be as specified by the procuring activity.

4.7 Interpretation. The information punched into the data fields on tabulating and aperture cards shall be interpreted above the 12 punch location in solid line characters at least .075 inch high in accordance with the interpreter bar assignments on the card formats.

4.8 Security markings. Tabulating and aperture cards containing classified information shall be marked as follows:

- a. The security classification will be stamped, preprinted or machine printed, above the 0 punch location and below the 8 punch location between card columns 54 and 76. The marking will be the primary method of identifying cards containing classified information.
- b. The card will have a striping code in accordance with 4.4 to assist in identifying cards containing classified information.

- c. The card will have no corner cuts, thereby permitting the corner to assist in identifying classified cards intermingled with unclassified cards.

- d. The security classification code of the card will be punched and interpreted in the security classification field in accordance with 5.2.13.

- e. Other markings for security purposes (downgrading, Espionage Act marking, control number, dissemination limitations, etc.) will be placed on the back of the card as required.

4.8.1 Classified information contained on tabulating and aperture cards shall be handled, controlled, transmitted and stored in accordance with applicable departmental security regulations and instructions, or if appropriate, in accordance with the Department of Defense Industrial Security Manual for Safeguarding Classified Information.

5. DETAIL REQUIREMENTS

5.1 Formats of tabulating and aperture cards. The various engineering documents covered by each format of tabulating and aperture card, as well as the data fields each format contains, are listed below:

MIL-STD-804
15 April 1960

MILITARY STANDARD

FORMATS AND CODING OF TABULATING AND
APERTURE CARDS FOR ENGINEERING DATA
MICRO-REPRODUCTION SYSTEM

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EDMS

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1. SCOPE

1.1 This standard establishes formats for tabulating and aperture cards applicable to the Department of Defense Engineering Data Micro-reproduction System. These standard formats for tabulating and aperture cards are for use in recording engineering documents as defined in Specification MIL-M-9868. The standard also covers the codification and method of data entry into the engineering data tabulating and aperture cards.

1.2 Application. Tabulating and aperture cards prepared in accordance with this standard will be used as the standard medium for exchanging engineering data among Department of Defense activities.

1.3 Classification. Tabulating and aperture cards shall have the following formats:

Format A - Engineering Drawing Card (Card Code A),
DD Form 1306. (See Figure 2)

Format B - Associated List and Book Form Engineering Document Card (Card Code B), DD Form 1307. (See Figure 3)

Format C - Revision Notice Card (Card Code C),
DD Form 1308. (See Figure 4)

Format D - Model or Type Designation Card (Card Code D),
DD Form 1309. (See Figure 5)

Format E - Part and Drawing Number Card (Card Code E),
DD Form 1310. (See Figure 6)

2. REFERENCED DOCUMENTS

SPECIFICATIONS

MILITARY

MIL-M-9868 Microfilming of Engineering Documents,
35mm, Requirements for.

STANDARDS

MILITARY

MIL-STD-2 Drawing Sizes.
MIL-STD-7 Types and Definitions of Engineering Drawings.
MIL-STD-24 Revision of Drawings.
MIL-STD-30 Associated Lists - List of Materials, Data List, Index List.
MIL-STD-31 Numbering and Coding of Engineering Drawings, Associated Lists and Documents.

PUBLICATIONS

FEDERAL

Cataloging Handbook H4-1 (Name to Code)
Federal Supply Code for Manufacturers.

Cataloging Manual MI-6
Federal Manual for Supply Cataloging.

(Copies of specifications, standards, drawings, and publications required by contractors in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

3. DEFINITIONS

3.1 Aperture card. An aperture card is a tabulating card with a rectangular hole specifically prepared for the mounting of a frame of microfilm.

3.2 Associated documents. Associated documents are defined in Standard MIL-STD-31.

3.3 Associated list. Associated lists are defined in Standard MIL-STD-30.

3.4 Book form drawing. Book form drawings are defined in Standard MIL-STD-7.

3.5 Control activity. The control activity is the Department of Defense activity that holds the processed camera microfilm image of the document; and is responsible for answering requests from other Department of Defense activities for copies of the microfilm image.

3.6 Data field. A data field consists of one or more columns on a tabulating or aperture card that are reserved for specific information entered in a specified manner.

3.7 Engineering document. Engineering documents are defined in Specification MIL-M-9868.

3.8 Multi-frame document. A multi-frame document is a document whose complete recording requires more than one frame of microfilm.

3.9 Multi-sheet drawing. Multi-sheet drawings are defined in Standard MIL-STD-7.

3.10 Revised. The term "revised" code-punched in a tabulating or aperture card means that there is a more recent issue of the document than shown in the card.

3.11 Revision notice. A revision notice is a separate document that describes a change to an engineering drawing in accordance with Standard MIL-STD-24.

3.12 Tabulating card. A tabulating card is a card on which data is entered by use of punched holes or other means that can be sensed by a machine so that it can sort, collate, list, total, or otherwise manipulate the card or the data.

4. GENERAL REQUIREMENTS

4.1 Card stock. Tabulating and aperture card stock size and thickness shall be in accordance with figure 1. The color of tabulating and aperture card stock shall be buff.

4.2 Card corner cut. All tabulating and aperture cards except those containing classified information shall have an upper left corner cut. The corner cut shall be 1/4 inch along the top edge of the card and 3/8 inch along the left edge of the card.

4.3 Card punching code. The card punching code used to punch and interpret information on tabulating and aperture cards shall be the standard IBM punching code for the letters "A" through "Z" and the numerals "0" through "9" with the following special character punching codes:

- a. The card punching code for a dash "-" shall be punch 11.
- b. The card punching code for a slash "/" shall be punches 0-1.
- c. The card punching code for a period "." shall be punches 12-8-3.
- d. The card punching code for a right parenthesis ")" shall be punches 12-8-4.
- e. The card punching code for a left parenthesis "(" shall be punches 0-8-4.

4.4 Card striping code. The card striping code shall be as follows:

- a. The card striping code to assist in identifying tabulating or aperture cards containing classified information will be a 1/4-inch red stripe printed across the face and back of the card between the 0 and 1 punch locations.
- b. The card striping code to identify an aperture card containing a processed camera microfilm image will be a 1/4-inch yellow stripe printed across the face of the card above the 12 punch location.

4.5 Document image location. Frames of microfilm shall be mounted in aperture cards so that images of documents are located in accordance with figure 1.

4.6 End printing. Space is provided on the card formats for end printing two lines of eight characters each. The use of this space, and the information to be printed therein, shall be as specified by the procuring activity.

4.7 Interpretation. The information punched into the data fields on tabulating and aperture cards shall be interpreted above the 12 punch location in solid line characters at least .075 inch high in accordance with the interpreter bar assignments on the card formats.

4.8 Security Markings. Tabulating and aperture cards containing classified information shall be marked as follows:

- a. The security classification will be stamped, preprinted or machine printed, above the 0 punch location and below the 8 punch location between card columns 54 and 76. The marking will be the primary method of identifying cards containing classified information.
- b. The card will have a striping code in accordance with 4.4 to assist in identifying cards containing classified information.
- c. The card will have no corner cuts, thereby permitting the corner to assist in identifying classified cards intermingled with unclassified cards.
- d. The security classification code of the card will be punched and interpreted in the security classification field in accordance with 5.2.13.
- e. Other markings for security purposes (downgrading, Espionage Act marking, control number, dissemination limitations, etc.) will be placed on the back of the card as required.

4.8.1 Classified information contained on tabulating and aperture cards shall be handled, controlled, transmitted and stored in accordance with applicable departmental security regulations and instructions, or if appropriate, in accordance with the Department of Defense Industrial Security Manual for Safeguarding Classified Information.

5. DETAIL REQUIREMENTS

5.1 Formats of tabulating and aperture cards. The various engineering documents covered by each format of tabulating and aperture card, as well as the data fields each format contains, are listed below:

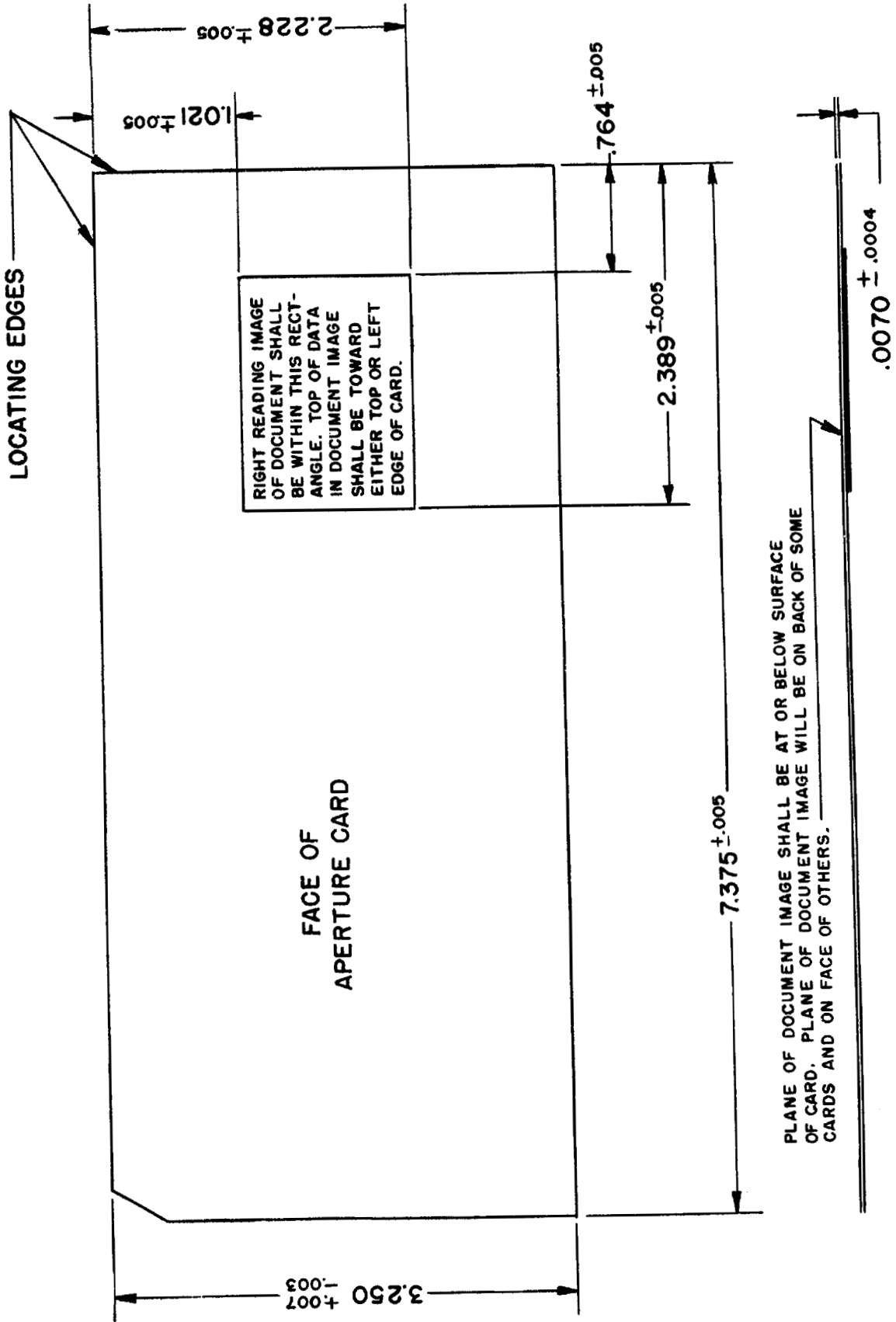


FIG. 1 APERTURE CARD SIZE AND DOCUMENT IMAGE LOCATION.

5.1.1 **Format A-Engineering Drawing Card.** The engineering drawing aperture card is intended to carry images of engineering drawings. It contains the following data fields: (See Figure 2).

- a. Proprietary designation (card column 1) see 5.2.1.
- b. Drawing size (card column 2) see 5.2.2.
- c. Drawing number (card columns 3 thru 17) see 5.2.3.
- d. Code identification number (card columns 18 thru 22) see 5.2.4.
- e. Sheet number (card columns 23 thru 25) see 5.2.5.
- f. Revision letter (card columns 26 and 27) see 5.2.6.
- g. Number of sheets (card columns 28 thru 30) see 5.2.7.
- h. Frame number (card columns 31 and 32) see 5.2.8.
- i. Number of frames (card columns 33 and 34) see 5.2.9.
- j. Open (card columns 35 thru 47) see 5.2.10.
- k. Control activity (card columns 48 and 49) see 5.2.11.
- l. Card code (card columns 50 and 51) see 5.2.12.
- m. Security classification (card column 52) see 5.2.13.
- n. Revised code (card column 53) see 5.2.14.
- o. Aperture (card columns 54 thru 76) see 5.2.15.
- p. Rejected code (card column 77) see 5.2.16.
- q. Open (card columns 78 thru 80) see 5.2.10.

5.1.2 **Format B-Associated List and Book Form Engineering Document Card.** The associated list and book form engineering document aperture card is intended to carry images of associated lists and book form engineering documents whose sheet size is not greater than 8-1/2 inches by 11 inches. Each card can carry the images of up to four sheets. It contains the following data fields: (See Figure 3).

- a. Prefix letters (card columns 1 and 2) see 5.2.17.
- b. Drawing number (card columns 3 thru 17) see 5.2.3.
- c. Code identification number (card columns 18 thru 22) see 5.2.4.

DRAWING NUMBER		REV LETTER	SHEET NR.	NR OF SHEETS	DWG SIZE	FRAME NR	NR OF FRAMES	PROF DES ACTV	CODE IDENT. NR.	SEC CLASS
0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000			
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52	1111111111	1111111111	1111111111	1111111111	1111111111	1111111111	1111111111			000 78 79 80
2222222222	2222222222	2222222222	2222222222	2222222222	2222222222	2222222222	2222222222			111 222
3333333333	3333333333	3333333333	3333333333	3333333333	3333333333	3333333333	3333333333			333 444
4444444444	4444444444	4444444444	4444444444	4444444444	4444444444	4444444444	4444444444			444 555
5555555555	5555555555	5555555555	5555555555	5555555555	5555555555	5555555555	5555555555			555 666
6666666666	6666666666	6666666666	6666666666	6666666666	6666666666	6666666666	6666666666			666 888
8888888888	8888888888	8888888888	8888888888	8888888888	8888888888	8888888888	8888888888			888 47 49
9999999999	9999999999	9999999999	9999999999	9999999999	9999999999	9999999999	9999999999			999 78 79 80
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52	INTERPRETER BARS	15 54	38 19 21 16 17 22	24 28 29 30 31 33	45 51 52	60	60			



ENGINEERING DRAWING CARD
(CARD CODE -A)

Figure 2
Engineering Drawing Card (Card Code A)

- d. Sheet number and revision letter (card columns 23 thru 27, 28 thru 32, 33 thru 37, and 38 thru 42) see 5.2.18.
- e. Number of sheets (card columns 43 thru 45) see 5.2.7.
- f. Proprietary designation (card column 46) see 5.2.1.
- g. Open (card column 47) see 5.2.10.
- h. Control activity (card columns 48 and 49) see 5.2.11.
- i. Card code (card columns 50 and 51) see 5.2.12.
- j. Security classification (card column 52) see 5.2.13.
- k. Revised code (card column 53) see 5.2.14.
- l. Aperture (card columns 54 thru 76) see 5.2.15.
- m. Rejected code (card column 77) see 5.2.16.
- n. Open (card columns 78 thru 80) see 5.2.10.

5.1.3 Format C-Revision Notice Card. The revision notice aperture card is intended to carry images of revision notices describing changes to engineering drawings in accordance with Standard MIL-STD-24. It also is intended to carry images of documents relating to the initial release of engineering drawings. It contains the following data fields: (See Figure 4).

- a. The following fields identify the specific engineering drawing referenced by the revision notice:
 - (1) Prefix letters (card columns 1 and 2) see 5.2.17.
 - (2) Drawing number (card columns 3 thru 17) see 5.2.3.
 - (3) Code identification number (card columns 18 thru 22) see 5.2.4.
 - (4) Sheet number (card columns 23 thru 25) see 5.2.5.
 - (5) Revision letter (card columns 26 and 27) see 5.2.6.
- b. The following fields identify the revision notice itself:
 - (1) Proprietary designation (card column 28) see 5.2.1.
 - (2) Open (card columns 29 and 30) see 5.2.10.
 - (3) Frame number (card columns 31 and 32) see 5.2.8.

PREFIX LETTERS	DRAWING NUMBER	NUMBER, REV SHEET		NUMBER, REV SHEET		NUMBER, REV SHEET		NUMBER, REV SHEET		NUMBER, REV SHEET		REV NUMBER OF SHEETS	CON (YES) ACTV	CODE IDENT. NR.	SEC CLASS
		NR	REV	NR	REV	NR	REV	NR	REV	NR	REV				
00000000	00000000	00	00	00	00	00	00	00	00	00	00	00			000
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52	00000000	00	00	00	00	00	00	00	00	00	00	00			000
11111111	11111111	11	11	11	11	11	11	11	11	11	11	11			111
22222222	22222222	22	22	22	22	22	22	22	22	22	22	22			222
33333333	33333333	33	33	33	33	33	33	33	33	33	33	33			333
44444444	44444444	44	44	44	44	44	44	44	44	44	44	44			444
55555555	55555555	55	55	55	55	55	55	55	55	55	55	55			555
66666666	66666666	66	66	66	66	66	66	66	66	66	66	66			666
88888888	88888888	88	88	88	88	88	88	88	88	88	88	88			888
1 2 3 INTERPRETER BARS	17 54	58	19	21	22	23	25	27	28	29	31	33	34	35	37
99999999	99999999	99	99	99	99	99	99	99	99	99	99	99			999
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52	99999999	99	99	99	99	99	99	99	99	99	99	99			999



ASSOCIATED LIST AND BOOK FORM ENGINEERING DOCUMENT CARD (CARD CODE-B)

DD FORM 1307 APR 60

Figure 3 Associated List and Book Form Engineering Document Card (Card Code B)

- (4) Number of frames (card columns 33 and 34) see 5.2.9.
- (5) Revision notice number (card columns 35 thru 41) see 5.2.19.
- (6) Date (card columns 42 thru 47) see 5.2.20.
- (7) Control activity (card columns 48 and 49) see 5.2.11.
- (8) Card code (card columns 50 and 51) see 5.2.12.
- (9) Security classification (card column 52) see 5.2.13.
- (10) Revised code (card column 53) see 5.2.14.
- (11) Aperture (card columns 54 thru 76) see 5.2.15.
- (12) Rejected code (card column 77) see 5.2.16.
- (13) Open (card columns 78 thru 80) see 5.2.10.

5.1.4 Format D-Model or Type Designation Card. The model or type designation tabulating card is intended to be used as a supplemental card to an engineering drawing or associated list and book form engineering document card to carry the model or type designation of the item in the aperture card. It is not intended to be used as an aperture card. It contains the following data fields: (See Figure 5).

- a. Prefix letters (card columns 1 and 2) see 5.2.17.
- b. Drawing number (card columns 3 thru 17) see 5.2.3.
- c. Code identification number (card columns 18 thru 22) see 5.2.4.
- d. Model or Type designation (card columns 23 thru 49) see 5.2.21.
- e. Card code (card columns 50 and 51) see 5.2.12.
- f. Security classification (card column 52) see 5.2.13.
- g. Free (card columns 53 thru 77) see 5.2.22.
- h. Open (card columns 78 thru 80) see 5.2.10.

5.1.5 Format E - Part and Drawing Number Card. The part and drawing number tabulating card is intended to be used as a supplemental card to an engineering drawing or associated list and book form engineering document card. This card will include the cross reference of part numbers to drawing numbers on all types of drawings which use either whole or tabulated numbers to identify parts. It is not intended to be used as an aperture card. It contains the following data fields: (see Figure 6)

- a. Prefix letters (card columns 1 and 2) see 5.2.17.

PREFIX LETTERS	DRAWING NUMBER	REV LETTER	SHEET NR.	REVISION NOTICE NR.	MONTH	DAY	YEAR	FRAME NR.	NR OF FRAMES	POP CON DES	ACTV	CODE IDENT. NR.	SEC CLASS
0000000000	0000000000	0000000000	0000000000	0000000000	00	00	000000	000000	000000			000	000
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52	1111111111	1111111111	1111111111	1111111111	11	11	111111	111111	111111			111	78 79 80
2222222222	2222222222	2222222222	2222222222	2222222222	22	22	222222	222222	222222			222	222
3333333333	3333333333	3333333333	3333333333	3333333333	33	33	333333	333333	333333			333	333
4444444444	4444444444	4444444444	4444444444	4444444444	44	44	444444	444444	444444			444	444
5555555555	5555555555	5555555555	5555555555	5555555555	55	55	555555	555555	555555			555	555
6666666666	6666666666	6666666666	6666666666	6666666666	66	66	666666	666666	666666			666	666
8888888888	8888888888	8888888888	8888888888	8888888888	88	88	888888	888888	888888			888	888
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52	INTERPRETER BARS 17/54	23/16 19/50 45/46 40/42 49/25	59/21	31/53 34/55 36/37 26/31 52/60	88	88	888888	888888	888888			888	47 49
9999999999	9999999999	9999999999	9999999999	9999999999	99	99	999999	999999	999999			999	999
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52					99	99	999999	999999	999999			999	78 79 80



REVISION NOTICE CARD
(CARD CODE - C)

Figure 4
Revision Notice Card (Card Code C)

PREFIX LETTERS	DRAWING NUMBER	MODEL OR TYPE DESIGNATION	CODE IDENT NO.	SEC CLASS
000	00000000000000000000000000000000	00000000000000000000000000000000	000	000
9	10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52	11111111111111111111111111111111	111	78 79 80
1	11111111111111111111111111111111		111	111
2	22222222222222222222222222222222		222	222
3	33333333333333333333333333333333		333	333
4	44444444444444444444444444444444		444	444
5	55555555555555555555555555555555		555	555
6	66666666666666666666666666666666		666	666
DRAWING NUMBER		MODEL OR TYPE DESIGNATION	CODE IDENT NUMBER	SEC. CLASS
000	00000000000000000000000000000000	00000000000000000000000000000000	000	000
1 2 3	INTERPRETER BARS 17 54 58 21		58 21	50 52
999	99999999999999999999999999999999	99999999999999999999999999999999	999	999
1 2 3	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52		47	78 79 80



MODEL OR TYPE DESIGNATION CARD (CARD CODE - D)

Figure 5 Model or Type Designation Card (Card Code D)

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PART NUMBER				DRAWING NUMBER												CODE IDENT. NR. (CLASS)		SEC. CLASS		
PREFIX LETTERS				DRAWING NUMBER												CODE IDENT. NR. (CLASS)		SEC. CLASS		
00000000				00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	000	78 79 80		
1 2 3 4 5 6 7 8				9 10 11 12 13 14 15 16 17	18 19 20 21 22 23 24 25 26 27 28 29 30 31	32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	50 51 52											1 1 1	1 1 1	78 79 80
1 1 1 1 1 1 1 1				1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1											2 2 2	2 2 2	78 79 80
2 2 2 2 2 2 2 2				2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2											3 3 3	3 3 3	78 79 80
3 3 3 3 3 3 3 3				3 3 3 3 3 3 3 3	3 3 3 3 3 3 3 3	3 3 3 3 3 3 3 3	3 3 3 3 3 3 3 3											4 4 4	4 4 4	78 79 80
4 4 4 4 4 4 4 4				4 4 4 4 4 4 4 4	4 4 4 4 4 4 4 4	4 4 4 4 4 4 4 4	4 4 4 4 4 4 4 4											5 5 5	5 5 5	78 79 80
5 5 5 5 5 5 5 5				5 5 5 5 5 5 5 5	5 5 5 5 5 5 5 5	5 5 5 5 5 5 5 5	5 5 5 5 5 5 5 5											6 6 6	6 6 6	78 79 80
6 6 6 6 6 6 6 6				6 6 6 6 6 6 6 6	6 6 6 6 6 6 6 6	6 6 6 6 6 6 6 6	6 6 6 6 6 6 6 6											8 8 8	8 8 8	78 79 80
8 8 8 8 8 8 8 8				8 8 8 8 8 8 8 8	8 8 8 8 8 8 8 8	8 8 8 8 8 8 8 8	8 8 8 8 8 8 8 8											9 9 9	9 9 9	78 79 80
9 9 9 9 9 9 9 9				9 9 9 9 9 9 9 9	9 9 9 9 9 9 9 9	9 9 9 9 9 9 9 9	9 9 9 9 9 9 9 9											50 52	50 52	78 79 80
1 2 3				4 5 6 7 8 9 10 11 12 13 14 15 16 17	18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52															
INTERPRETER BARS				17 34	50 21	35 37	48													



PART AND DRAWING NUMBER CARD
(CARD CODE - E)

Figure 6
Part and Drawing Number Card (Card Code E)

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- b. Part number (card columns 3 thru 17) see 5.2.23.
- c. Code identification number (card columns 18 thru 22) see 5.2.4.
- d. Drawing number (card columns 23 thru 37) see 5.2.3.1.
- e. Open (card columns 38 thru 49) see 5.2.10.
- f. Card code (card columns 50 and 51) see 5.2.12.
- g. Security classification (card column 52) see 5.2.13.
- h. Free (card columns 53 thru 77) see 5.2.22.
- i. Open (card columns 78 thru 80) see 5.2.10.

5.2 Data fields. The following data fields are on one or more of the cards covered by this standard.

5.2.1 Proprietary designation field. The proprietary status of the information on the document shall be entered in this field. The proprietary status codes are as follows:

- a. G - Code "G" signifies that the document so coded was prepared by a government activity and that the document may be reproduced and used in connection with any Government operation.
- b. U - Code "U" signifies that the document so coded is, or has been, supplied to the Government under contract provisions which grant to the Government an unlimited right to use the document for any purpose.
- c. L - Code "L" signifies that the document so coded is, or has been, supplied to the Government under contract provisions which grant to the Government only a limited right to use the document in accordance with the terms of the particular contract.
- d. P - Code "P" signifies that the document so coded contains proprietary information.

5.2.2 Drawing size field. The drawing size letter in accordance with Standard MIL-STD-2 shall be entered in this field.

5.2.3 Drawing number field. The drawing number in accordance with Standard MIL-STD-31 shall be entered in this field. Unless otherwise specified by the procuring activity the first character of the drawing number shall be in the left hand column.

5.2.3.1 Multiple whole numbers. When tabulated, multi-detail, detail assembly, etc., drawings are identified by multiple whole numbers, such as 123456 through 123490, the first number assigned (123456) shall be entered in the drawing number field on cards A, B, C and D. When Card E is prepared, the part number and drawing number shall be entered in the respective fields in accordance with 5.1.5. One card E will be prepared for each part number listed on the types of drawings described in this paragraph for parts used in the equipment for which the aperture cards are being provided.

5.2.4 Code identification number field. The code identification number in accordance with Standard MIL-STD-31 shall be entered in this field. Code identification numbers are listed in Cataloging Handbook H4-1 (Name to Code) Federal Supply Code for Manufacturers.

5.2.5 Sheet number field. The sheet number of each sheet of a multi-sheet document shall be entered in this field. A single sheet document shall have sheet number "1" entered in this field. The last digit of the sheet number shall always be in the right hand column and nonsignificant zeros shall always be used to fill out the field.

5.2.6 Revision letter field. Revision letters in accordance with Standard MIL-STD-24 shall be entered in this field. A single revision letter shall always be in the right hand column.

5.2.7 Number of sheets field. The number of sheets of a multi-sheet document shall be entered in this field only on the card for the first sheet of that document. A single sheet document shall have sheet number "1" entered in this field. The last digit of the number of sheets shall always be in the right hand column and nonsignificant zeros shall always be used to fill out the field.

5.2.8 Frame number field. The frame number of each frame of a multi-frame document shall be entered in this field. A single frame document shall have frame number "1" entered in this field. The last digit of the frame number shall always be in the right hand column and nonsignificant zeros shall always be used to fill out the field.

5.2.9 Number of frames field. The number of frames of a multi-frame document shall be entered in this field only on the card for the first frame of that document. A single frame document shall have frame number "1" entered in this field. The last digit of the number of frames shall always be in the right hand column and nonsignificant zeros shall always be used to fill out the field.

5.2.10 Open field. This field may be used to enter any data needed for internal operations for which a specific field is not established by this standard. The use of this field shall be as specified by the procuring activity.

5.2.11 Control activity field. The control activity code in accordance with Appendix B of Cataloging Manual MI-6 shall be entered in this field.

5.2.12 Card code field. The card code printed on the aperture or tabulating card in parentheses following the card name shall be entered in this field. A single card code letter shall always be in the right hand column.

5.2.13 Security classification field. The security classification of a card shall be entered in this field utilizing the following codes:

- N - None
- C - Confidential
- M - Confidential - Modified Handling Authorized
- S - Secret
- T - Top Secret
- E - Confidential Restricted Data
- F - Secret Restricted Data
- G - Top Secret Restricted Data
- H - Confidential - Formerly Restricted Data
- J - Secret - Formerly Restricted Data
- K - Top Secret - Formerly Restricted Data

5.2.14 Revised code field. Cards for a "revised" (see 3.10) issue of either an engineering document or a part of an engineering document shall have an 11 punch entered in this field.

5.2.15 Aperture field. This field is reserved for mounting a frame of microfilm.

5.2.16 Rejected code field. Cards for which an acceptable microfilm image is not available shall have an 11 punch entered in this field.

5.2.17 Prefix letters field. Associated list prefix letters in accordance with Standard MIL-STD-31 shall be entered in this field.

5.2.18 Sheet number and revision letter fields. The sheet number of each sheet of a book form engineering document and the corresponding revision letters for each of these sheets shall be entered in these fields. Starting with the left hand field, a separate field on the card shall be used for each sheet whose image appears in the card. The last digit of the sheet number shall always be in the right hand column and nonsignificant zeros shall always be used to fill its portion of the field. A single revision letter shall always be in the right hand column of its portion of the field.

5.2.19 Revision notice number field. The number of the revision notice shall be entered in this field. The last digit of the number shall always be in the right hand column.

5.2.20 Date field. The date of the document shall be entered in this field. The date shall be entered as a six digit number. The first two digits will be the number of the month. The digit for the first nine months will be preceded by a zero. The second two digits will be the day of the month. The digit for the first nine days of the month will be preceded by a zero. The last two digits will be the last two numerals of the year.

5.2.21 Model or type designation field. The model or type designation, or other information, shall be entered in this field in the manner specified by the procuring activity.

5.2.22 Free field. This field of a format not used for aperture cards is not reserved for any specific information. It may be used to expand one of the other fields, or to enter any data needed for internal operations for which a specific field is not established by this standard. Most of the columns in this field will not be read when the tabulating card is processed in the normal manner through punched card accounting machines modified to process aperture cards. Unless otherwise specified by the procuring activity, this field shall be left blank.

5.2.23 Part number field. When multiple whole numbers or dash numbers are used to identify individual items depicted on tabulated, multi-detail, detail assembly, etc., drawings, a separate Card E shall be prepared in accordance with 5.2.3.1 and the applicable part number shall be entered in this field. Unless otherwise specified by the procuring activity, the first character of the part number shall be in the left-hand column.

NOTICE: When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility nor any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data, is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use or sell any patented invention that may in any way be related thereto.

Copies of specifications, standards, drawings, and publications required by contractors in connection with specific procurement functions should be obtained from the procuring agency or as directed by the contracting officer.

Copies of this standard for military use may be obtained as indicated in the foreword to the Index of Military Specifications and Standards.

Copies of this standard may be obtained for other than official use by individuals, firms, and contractors from the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C.

Custodians:

- Army - Signal Corps
- Navy - Bureau of Weapons
- Air Force - AMC

Other interest:

- Army - CE. Ord, QMC, TC
- Navy - NOrd, Ships, Docks