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M A I L L O G - PROGRAM SUMMARY AND SPECIFICATIONS

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May 1979

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M A I L L O G

PROGRAM SUMMARY AND SPECIFICATIONS

NASA CONTRACTOR REPORT

DANNY K. HARRIS

May 1979

A summary of software specifications, generalized flowcharts, sample outputs, functional mode descriptions, and data base definition for computerization of an existing documentation control and filing system called Mail Log. Minimum requirements for this program consist of a 16 bit computer with a 64K dedicated memory, and accompanying peripherals for input, output, and storage.

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PREFACE

During the research development and operational phases of the Scout Project, large quantities of documentation are generated to describe analytical studies, and correspondence from mission definition through postflight analysis. These documents take the form of engineering reports, drawings, analyses, procedures, specifications, test results, and contractual reports.

Retrieval of these documents is based upon a Project Office assigned code number which denotes a file cabinet and approximate location within that cabinet. Therefore, knowledge of the filing system code number is necessary for retrieval.

The Scout Project Automatic Data System, SPADS, was developed as a single entry multiple cross-reference filing system. It was implemented to improve the overall management efficiency by:

a) reducing the number of man hours required to retrieve data from the files

b) providing for full data availability with quick retrieval during vehicle anomaly investigations

c) answering inquiries from NASA Headquarters and outside agencies for information on a Scout vehicle

d) helping alleviate a rapidly growing storage problem.

The MAIL LOG portion of this automated data system satisfies the above criteria. This program, with its multiple cross-reference capability, operates in conjunction with and amplification of the existing filing system.

1.0 INTRODUCTION

This document provides the summary and specifications to obtain the software package, MAIL LOG, developed for the Scout Project Automatic Data System, SPADS. The program is written in FORTRAN for the PRIME 300 computer system located in Building 1192-E at NASA, Langley Research Center, Hampton, Virginia. Further details of the Scout Project's computer configuration is given in Section 4.0.

The MAIL LOG program has four modes of operation as shown in Figure 1.1:

1) INPUT - putting new records into the data base
2) REVISE - changing or modifying existing records in the data base
3) SEARCH - finding special records existing in the data base
4) ARCHIVE - store or put away existing records in the data base.

The output includes special printouts of records in the data base and results from the INPUT and SEARCH modes.

Documentation of the MAIL LOG program consists of two other manuals:

1) Users Manual - 'MAIL LOG PROGRAM OPERATING INSTRUCTIONS'; CR

2) Programmers Manual - 'MAIL LOG PROGRAM THEORY'; CR

The MAIL LOG data base consists of three main subfiles (as shown in Figure 1.2):

1) Incoming and Outgoing Mail Correspondence

2) Design Information Releases (DIR) and Reports

3) Drawings and Engineering orders (E.O.)

SPADS

MAIL LOG

Modes of Operation

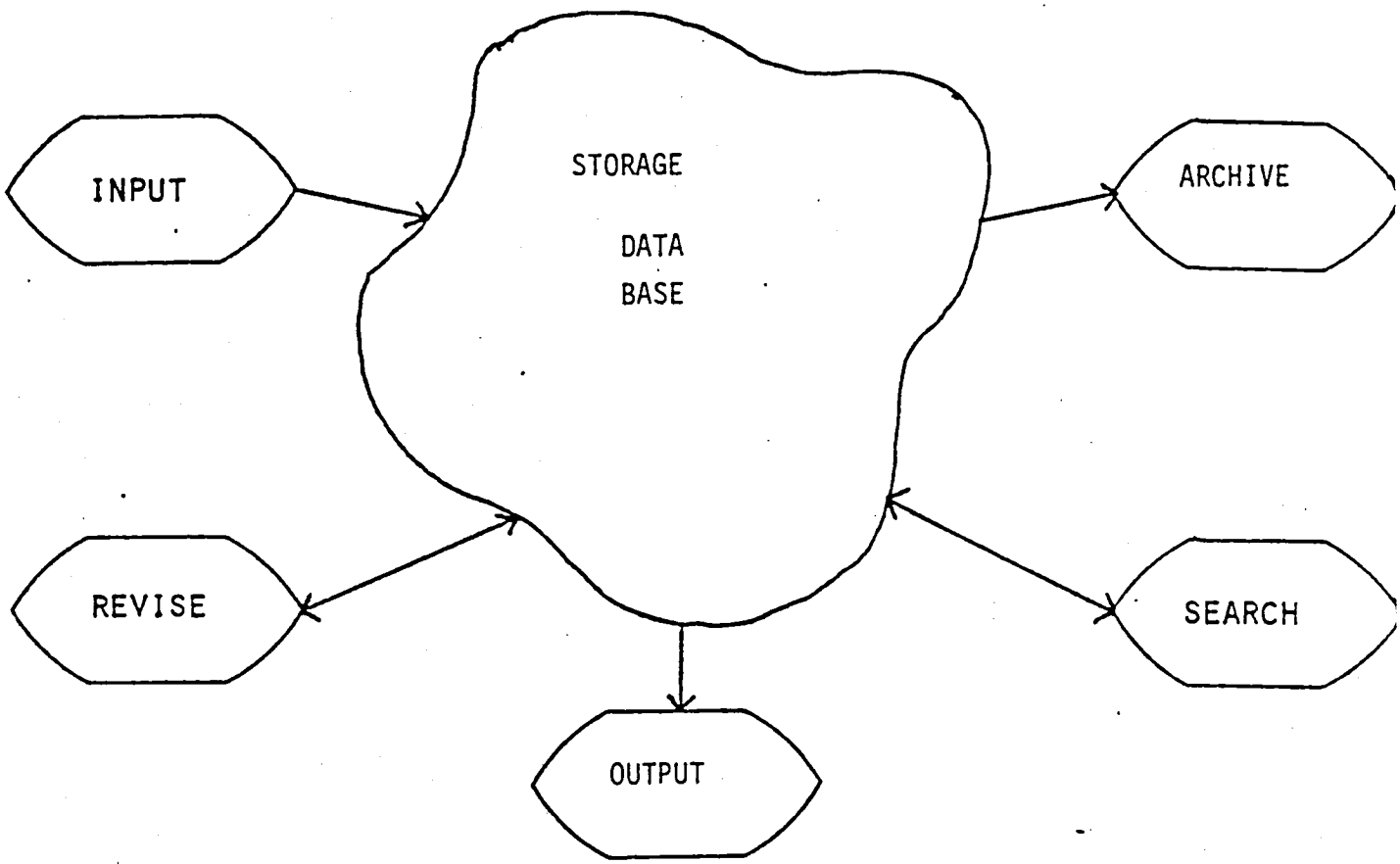


FIGURE 1.1

SPADS

MAIL LOG

Subfiled Data Base

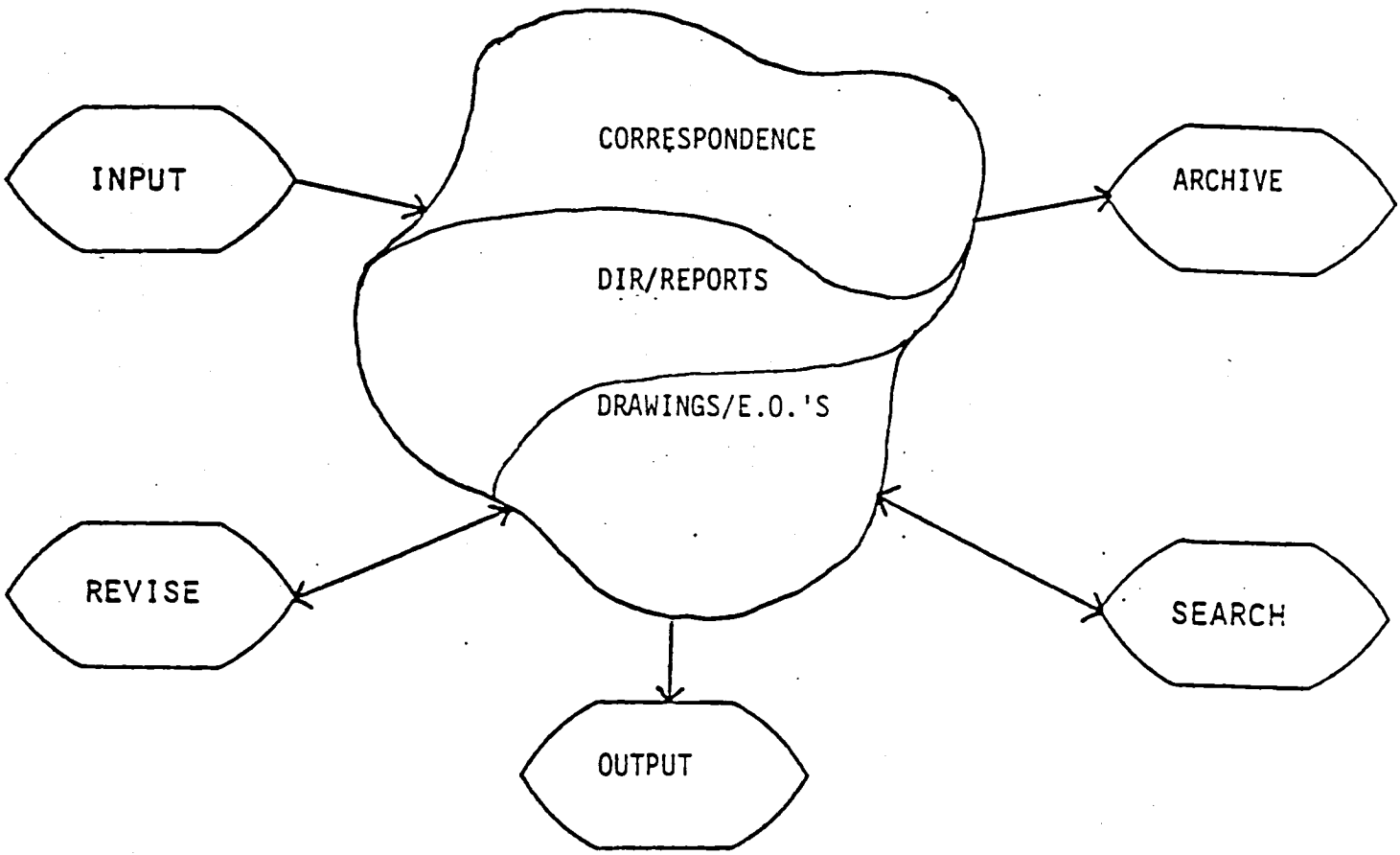


FIGURE 1.2

2.0 DEFINITIONS

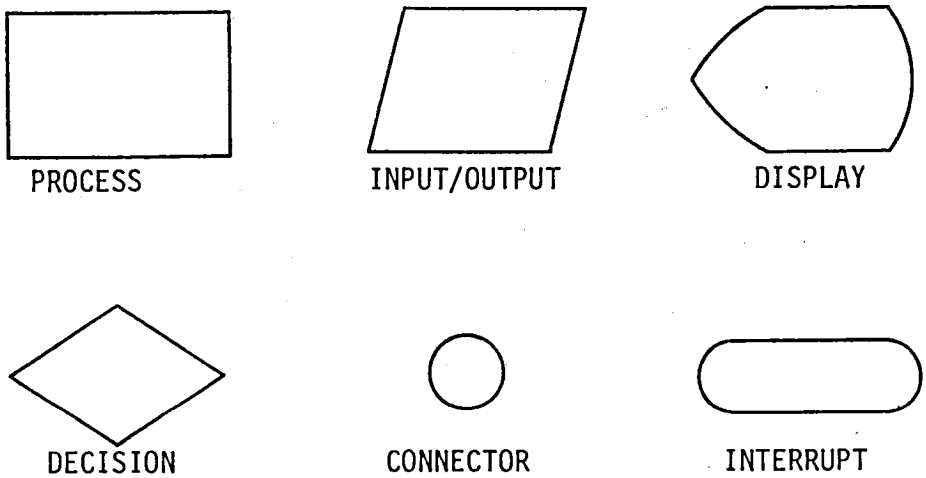
2.1 TERMS, ACRONYMS, AND ABBREVIATIONS

Terms, acronyms, and abbreviations used within these documents are defined in GLOSSARY OF TERMS, Appendix A.

2.2 FLOWCHART CONVENTIONS

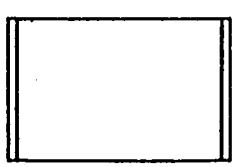
Flowcharting conventions for this manual consist of the following:

(a) Standard IBM flowcharting symbols will be used for all diagrams.

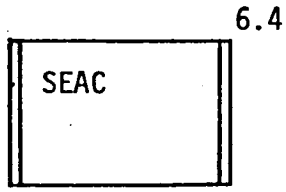


(b) Logic always flows from top to bottom and from left to right on all pages.

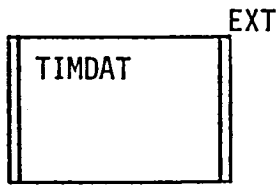
(c) All subroutines will be designated by a double sided procedure box.



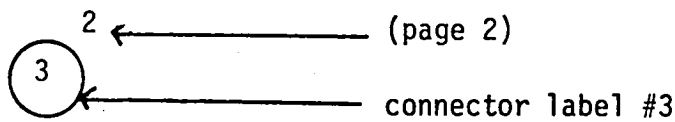
(d) A figure number is utilized as the symbol identification for all subroutines within the set of flowcharts.



(e) The abbreviation EXT. is utilized as the symbol identification for all predefined or system software routines external to the set of flowcharts.

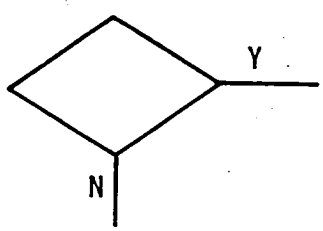


(f) Cross referencing connectors are accomplished at the outconnectors only. The page number to the upper right of the outconnector represents the page number of the flowchart where the associated inconnector is located.



(g) Converging or branching connectors will be designated by a number. Continuation of in-line instructions will be designated with a letter.

(h) All decisions will branch with the YES path to the right and the NO path down. Decision comments will be stated to the positive question; this is done even though the corresponding code is written to the negative.



(i) Multiple decisions branching in sequence will be symbolized as one decision block commented SWITCH.

3.0 DATA BASE

The Mail Log Data Base is divided into three sections: Correspondence; Design Information Releases and other Enginering Reports; and information pertaining to Engineering Drawings used in the Scout Project.

3.1 CORRESPONDENCE DATA

The Mail Correspondence portion of the MAIL LOG data base is further subdivided into six (6) subfiles representing the six types of documents:

TRANSMITTALS and SPECIFICATIONS
MEMO's and LETTERS
TWX's, MAGNAFAX's, and RAPIFAX's
ANNOUNCEMENTS
PURCHASE REQUESTS
MISCELLANEOUS DOCUMENTS and REPORTS

There also exists a working stores file used for storage of special action due date items. This file provides fast and efficient access to data during the ACTION DUE DATE SEARCH, see Section 5.3.1, which is otherwise scattered throughout the six data subfiles listed above.

3.2 DESIGN INFORMATION RELEASE AND REPORTS DATA

The Design Information portion of the MAIL LOG data base consists of Design Information Releases (DIR's) and Reports.

3.3 DRAWINGS AND ENGINEERING ORDERS DATA

The Drawing portion of the Mail Log data base is further subdivided into three (3) subfiles:

DRAWING
SHEET
ENGINEERING ORDERS (E.O.'s)

The DRAWING subfile contains all sheet one (1) information pertaining to a specific drawing. If the drawing has more than one sheet, additional information pertaining to each following sheet is contained in the SHEET subfile. Therefore, the DRAWING and SHEET subfiles together form all drawing data contained within the data base. The E.O. subfile contains pertinent information related to all Engineering Orders.

4.0 PROGRAM REQUIREMENTS AND SPECIFICATIONS

The purpose of this section is to provide a summary of program requirements, description of system specifications, and data base experience collected during operational use.

4.1 PROGRAM REQUIREMENTS

The Scout Office, SPO, is typical of many business offices in which correspondence, reports, and other documentation flow continuously between suppliers, customers, and government agencies. These documents must be filed such that they may be easily accessible for future reference. Many filing techniques are available, both manual and automated. The perferability of each is dependent upon a function of the number of documents and the amount of storage space available. To assist in the dissemination of information, most offices maintain an abbreviated list of documents as they flow through the file room. In the SPO this list is a chronological table, mail log, specifying the author, addressee, subject, date, and file code for each document.

The first requirement of the software package, MAIL LOG, described herein is to computerize the existing mail log process without increasing the workload of the current file room personnel. The second requirement is to decrease the time required to retrieve information from a central file. Thirdly, to establish a standard data base which is independent of personnel turnover by integrating mini-computer technology with generalized office operation. The fourth requirement of the program is to facilitate ease in software modification and management by using modular construction. This flexibility would allow changes in input and output formats to occur without affecting the data management and storage sections of the program. In addition, names and organization of input data is to be carefully selected for consistency with general office terminology to permit application to offices other than SPO.

The MAIL LOG program is required to generate a variety of sorted lists for incoming and outgoing mail, along with corresponding action due

reports. This process is to be accomplished without manual operator sorting, thus reducing the number of times a document is handled. All requirements are directed to satisfy the primary goal of improving overall efficiency within normal office operations.

4.2 SYSTEM SPECIFICATIONS

The software package is written in FORTRAN IV for execution on a PRIME 300 mini-computer. This 16 bit computer has a 64 K word virtual memory and a 256 K work physical memory. Perpherials of the SPO system include a single 60 megabyte moving head disk for data storage, a high speed line printer, and a 9 track tape deck for daily back-up and physical archiving of data files. To complete this computer configuration, three CRT terminals are available for user interaction on a time-sharing basis. The MAIL LOG program could function on a similar configuration with a minimum of 64K dedicated memory and a single terminal.

4.3 DATA BASE EXPERIENCE

Records are kept on the growth rate of all subfiles to assist in defining future hardware and data base management requirements. The following results were found based upon the first nine (9) months of operational user interaction:

a) Correspondence subfiles: These subfiles contain the steadiest growth rate with an average of 18 documents per day. Fluctuations from 10 to 70 documents per day have been noted.

b) Design Information Release and Report subfiles: These subfiles underwent an early growth rate of 20 records per day due to entry of all past reports on file. However, with a total of approximately 5500 records now on disk storage, the rate of entry is less than one per day.

c) Drawings and Engineering Orders: These subfiles now contain approximately 6500 records and virtually no growth. All records

are entered once every four to six months from magnetic tape sent from an outside source.

Relative to a dedicated 60 megabyte disk and linear extrapolation of the current growth rate, full storage capacity of the disk would be reached in approximately four (4) years. This time period takes into account both system and program overhead, and no physical archiving. However, in the case of the SPO, this time period is cut approximately in half due to other SPADS programs and their associated file growths.

To facilitate a short term solution to this growth rate, the MAIL LOG program provides a means by which to archive outdated and other unused data files. This process consists of building a temporary archive file on disk which is copied to magnetic tape. The disk data file is then deleted to permit new data entries. A long range solution to the growth rate problem described above would be replacing the present disk with a larger (300 megabyte) disk, or expand to a multiple disk configuration.

Records are also kept on the search time as a function of subfile size. Through the first six (6) months of user operation, the Mail Log was delivering a record within the acceptable time frame of fifteen (15) seconds. However, as each subfile began to exceed the 2500 record range, the subfile search time increased significantly. The time frame now fluctuates between twelve seconds and two minutes. Typical time for all searches in all combinations is approximately one minute, thirteen seconds. Variations on retrieval time occur because of several factors: number of users on line, type of search being performed, number of subfiles open for search, system or execution, and the size of the data base being searched. The latter being the primary factor.

5.0 SOFTWARE FUNCTIONAL DESCRIPTION

The purpose of this section is to provide a functional description and special terminal interaction the user must perform in order to use the four modes of operation: INPUT; REVISE; SEARCH; and ARCHIVE. Outputs resulting from these modes will be discussed in Section 7.0.

5.1 INPUT MODE

The user must have clearance to execute within the INPUT MODE; otherwise, an invalid user message will be displayed at the terminal as follows:

> SORRY, YOU ARE NOT VALIDATED TO USE THIS MODE. IF IT IS NECESSARY, PLEASE CONTACT SYSTEM OPERATOR AT EXT. 2621.

5.1.1 CORRESPONDENCE

The Correspondence data record for each document consists of up to sixteen data items as shown in Figure 5.1.1.1. Following each complete document entry, all items are displayed on the terminal to be checked for errors at this time. After a document record has been declared correct, the specific subfile must be designated in which this document is to be stored. If all documents can not be entered in one input session, the user has a WAIT option which allows the daily input to be continued at a later time. This continuation is declared upon re-entering the INPUT mode. If the WAIT option is taken by mistake and there are no other documents to be entered, recovery is accomplished by declaring this is NOT a continuation upon re-entry into the INPUT mode. When this has been done the user now has three (3) options from which to choose:

a) Start a New Entry (NEW)
b) Spool Last Output Again (LAST)
c) Spool New Data Entered (DATA)

Option (c) DATA will spool to the high speed printer a sorted output of all documents entered for that daily input session.

When a daily input session is complete, this output is normally spooled to the printer in two formats: a complete record output and a brief or partial record output. If a computer or printer malfunction occurs during this output, another copy may be obtained by re-entering the INPUT MODE as previously described and selecting option (b) LAST. For a sample of the complete and brief outputs see Section 7.1.1. Flowchart Figure 6.2.1 depicts the INPUT MODE of the Correspondence subfile.

5.1.2 DESIGN INFORMATION RELEASE/REPORT

The DIR/REPORT data record for each document consists of up to nine data items. See Figure 5.1.2.1. The first item entered is the DIR/REPORT Number. The file is then checked for a previous entry containing this number. If the number is found, the user has the option to enter the REVISE MODE. Normally, changes are required only to two data items: (8) Revision and (9) Revision Date. Following each completed document entry, all items are displayed on the terminal. Flowchart Figure 6.2.2 depicts the INPUT MODE of the DIR/REPORT subfile.

5.1.3 DRAWING/ENGINEERING ORDER

The DRAWING subfile data record consists of eleven data items. If the drawing contains more than one sheet, an additional sheet record consisting of five data items is kept for each sheet in the SHEET subfile. See Figure 5.1.3.1. The ENGINEERING ORDER subfile data record consists of six data items. See Figure 5.1.3.2. The main body of data for these two subfiles are sent from Dallas rather than manually input. Unfortunately, vehicle system and section and engineering order titles are not available in the original Dallas Data Base. However, these fields may be entered in manually input drawings and E.O.'s.

The Input mode has two optional operations:

(1) E.O. - input of new engineering orders
(2) Drawings and E.O.'s - input of new drawings along with their referenced E.O.'s.

During option number 2, entry of referenced E.O.'s, option number 1 is automatically performed if the E.O.'s are new to the data base.

Entry of new engineering orders may result in one of three terminal messages if the drawing sheet already has three, four, or more E.O.'s referenced. See section 7.3.1 for more information concerning this output. Flowchart Figure 6.2.3 depicts the INPUT MODE of the DRAWING/E.O. subfile.

5.2 REVISE MODE

The user must have clearance to execute within the REVISE mode; otherwise, an invalid user message will be displayed at the terminal as follows:

> SORRY, YOU ARE NOT VALIDATED TO USE THIS MODE.
> IF IT IS NECESSARY, PLEASE CONTACT SYSTEM OPERATOR
> AT EXT. 2621.

This restriction is deemed necessary because the REVISE mode allows a user to revise any part or all of the document items. In addition, the user also has the capability of deleting the entire document record from its specific data base subfile.

5.2.1 CORRESPONDENCE

To revise or delete a document, the input data and daily counter code is needed as the unique identifier for its location. Additional time can be saved if the user also knows in which of the six (6) correspondence data subfiles the document is stored. When the desired document record is found, it will be displayed on the terminal for verification. If not the correct record, search for the document will continue. After the revision has been made the document record is again displayed on the terminal for user reassurance that the revision has been made.

The REVISE MODE also can give the user manual revise or delete capability for documents in the Action Due file. Flowchart Figure 6.3.1 depicts the REVISE MODE of the Correspondence subfile.

5.2.2 DESIGN INFORMATION RELEASE/REPORT

The only information needed in order to revise or delete a DIR or Report is the DIR or REPORT Number. Note that the REVISE MODE may be entered in two ways: a direct REVISE command or thru an INPUT MODE option. If a DIR or Report is entered and found already to be in the file, the user may change to the REVISE MODE for modification of old data items.

CORRESPONDENCE

RECORD DESCRIPTION

ITEM NO.	DATA ITEM	ITEM FORMAT
(1)	MAIL STATUS	2 characters
(2)	AUTHOR/SOURCE	28 characters
(3)	DOCUMENT DATE	6 characters - MMDDYY
(4)	TO/ADDRESSEE	32 characters
(5)	DOCUMENT LETTER NUMBER	18 characters
(6)	SUBJECT	10 characters/words - 7 words
(7)	ROUTINE	3 characters - 6 entries
(8)	INPUT DATE	6 characters - MMDDYY
(9)	DAILY COUNTER	4 characters
(10)	WA NUMBER/ID CODE	8 characters
(11)	CONTRACT NUMBER	20 characters
(12)	ACTION DUE DATE	6 characters - MMDDYY
(13)	REFERENCED DOCUMENTS	18 characters - 6 entries
(14)	FILE SYSTEM CODE	10 characters - 2 entries
(15)	RESPONSIBLE ENGINEER	4 characters
(16)	* DESCRIPTION	10 characters/word - 7 words -30 entries

* ONLY USED IN TRANSMITTAL SUBFILE

FIGURE 5.1.1.1

DIR/REPORT

RECORD DESCRIPTION

ITEM NO	DATA ITEM	ITEM FORMAT
(1)	TITLE	10 characters/words - 7 words
(2)	DIR/REPORT NUMBER	14 characters
(3)	DATE	6 characters - MMDDYY
(4)	SYSTEM	4 characters - 3 entries
(5)	VEHICLE	4 characters - 2 entries
(6)	W.A. NUMBER/ID CODE	8 characters
(7)	* CONTRACT NUMBER	20 characters
(8)	REVISION	2 characters
(9)	REVISION DATE	6 characters - MMDDYY

* NOT STORED IN DATA BASE SUBFILE
  CONTAINED IN WA/CONTRACT TABLE

FIGURE 5.1.2.1

DRAWING RECORD DESCRIPTION

ITEM NO	DATA ITEM	ITEM FORMAT
(1)	TITLE	10 characters/word - 7 words
(2)	DRAWING NUMBER	14 characters
	* VENDOR CODE	3 characters
(3)	DATE	6 characters - MMDDYY
(4)	** SYSTEM	4 characters - 3 entries
(5)	VEHICLE	4 characters - 2 entries
(6)	** SECTION	12 characters
(7)	NUMBER OF SHEETS	2 characters
(8)	SHEET NUMBER	2 characters
(8)	SHEET REVISION	2 characters
(9)	NUMBER OF E.O.'s	2 characters
(9)	E.O.'s REFERENCED	8 characters - 10 entries
	SHEET SUBFILE	
	DRAWING NUMBER	14 characters
	SHEET NUMBER	2 characters - 2 entries
	REVISION	2 characters
	NUMBER OF E.O.'s	2 characters
	E.O.'s REFERENCED	8 characters - 10 entries

* CONTAINED WITHIN DRAWING NUMBER
** NOT CONTAINED IN DALLAS-DATA

FIGURE 5.1.3.1

ENGINEERING ORDER RECORD DESCRIPTION

ITEM NO.	DATA ITEM	ITEM FORMAT
(1)	* E.O. TITLE	10 characters/word - 7 words
(2)	E.O. NUMBER	8 characters
(3)	E.O. REVISION	2 characters
(4)	E.O. DATE	6 characters - MMDDYY
(5)	E.O. REVISION DATE	6 characters - MMDDYY
(6)	VEHICLE	4 characters - 2 entries

* NOT PRESENT IN DALLAS DATA

FIGURE 5.1.3.2

Otherwise, when the desired document record is found, it will be displayed on the terminal for verification. If it is not the correct record, search for the document will continue. After the revision has been made, the document record is again displayed on the terminal for user reassurance that the revision has been made. Flowchart Figure 6.3.2 depicts the REVISE MODE of the DIR/REPORT subfile.

5.2.3 DRAWING/ENGINEERING ORDER

The only information necessary in order to revise or delete a drawing or engineering order is the drawing number or E.O. number. When the desired record is found, it will be displayed on the terminal for verification. If it is not the correct record, search for the desired record will continue. After the revision has been made the entire record is again displayed on the terminal for user reassurance that the revision has been made.

The REVISE MODE may change the revision of a sheet. During this modification, all engineering orders referenced by that drawing sheet are automatically deleted. The REVISE MODE may also be used as an Input operation by adding a new sheet(s) to any existing drawing.

Flowchart Figure 6.3.3 depicts the REVISE MODE of the DRAWING/E.O. subfile.

5.3 SEARCH MODE

The SEARCH MODE is designed to find data records sharing some common characteristic of specific data item entry. For example, a search within the Mail Correspondence subfile may find all memo's and letters authored by R.J. Keynton during the months of November and December.

If more than 24 lines of data information are found during a search, it will be observed that data will disappear from the top of the screen. The user may temporarily stop terminal display by depressing the space bar. To restart the terminal display the 'Q' key is depressed. In case the user terminal does not possess a back scrolling capability and the display is not halted in time, the user may obtain a hardcopy of data information found at the end of the interactive session in SEARCH MODE.

5.3.1 CORRESPONDENCE

Of the sixteen (16) possible data items within a document record, eleven (11) are searchable. The resulting outputs from these searches vary from five (5) to eight (8) data items. See Figure 5.3.1.1. All searches except for the Action Due Date search have a multiple subfile selection capability in which any single or combination of the six subfiles may be used. The Action Due Date search automatically searches all six subfiles. There is a specialized ALL search which outputs all documents in a specified subfile or combination of subfiles. However, it is not recommended that the general user call for the search ALL option.

The searches may also be assigned for a particular time frame. If no time frame is selected, the first valid date becomes the earliest date in the data base and the last valid date defaults to 12-31-99. Of course, the Action Due Date, Document date, and Input Date searches do not use the time framing capability. However, the Document and Input Date searches can retrieve entire month's or an entire year's worth of data by entering 00. For example, entering 110078 would result in finding all the documents within the data base in the eleventh month, November, for the year 1978. Likewise, an entry of 000078 would retrieve all documents for the year 1978. See Figure 5.3.1.2.

Flowchart Figure 6.4.1 depicts the SEARCH MODE of the Correspondence subfile.

5.3.2 DESIGN INFORMATION RELEASE/REPORT

Of the nine (9) possible data items within a DIR/REPORT record, all but one, REVISION, are searchable. It should also be noted that the Revision Date is searched during a Date search. This allows the Date search to check only the most recent date associated with a document. See Figure 5.3.2.1. The Date search has the capability of retrieving an entire month's or year's worth of data by entering 00 for the day or month. For example, entering 110078 would result in finding all the documents within the data base in the eleventh month, November, for the year 1978. Likewise, an entry of 000078 would retrieve all documents for the year 1978.

There is a specialized ALL search which outputs all documents in the DIR/REPORT subfile. This ALL search has an optional output along with the normal output consisting of the entire nine item record. This optional output only displays the number of documents found on the terminal and automatically spools to the high speed printer the DIR number and Revision.

The Vehicle search also has a special quality. A group of vehicles may be found by using the first and last valid vehicle options. For example, if a user declares the first valid vehicle as 198 and is searching for vehicle number 200, not only would all documents containing vehicle 200 be found, but also those with numbers 198S, 199S, and 200S; where S represents all subsequent vehicles. Default for the first valid vehicle number is zero (0) whereas, the last valid vehicle number becomes 999.

Flowchart Figure 6.4.2 depicts the SEARCH MODE of the DIR/REPORT subfile.

5.3.3 DRAWING/ENGINEERING ORDER

Of the eleven (11) data items within the Drawing subfile, nine (9) are searchable. The resulting outputs from these searches always consists of six (6) data items. See Figure 5.3.3.1. The Engineering Order subfile consists of six (6) item records, of which only two are searchable. The resulting outputs from these two searches consists of up to all six (6) data items. It should be noted that Revision Date is output in place of the E.O. Date when an E.O. has a revision. This allows only the most recent date to be displayed. See Figure 5.3.3.2.

Due to the data base source for drawings coming from Dallas and manual input, three searches have limited capability: System, Section, and Date. The System and Section searches are only usable for those drawings which are manually input. However, some Dallas drawing data will contain this information within the title. Therefore, a title search can be used if either the system or section searches are found unsuccessful. The Date search is also limited in that all Dallas drawing data will have the same date. This date represents the latest information update received from Dallas. Nevertheless, the Date search has the capability of retrieving an entire

month's or year's worth of data by entering 00 for the day or month. For example, entering 110078 would result in finding all drawings within the data base in the eleventh month, November, for the year 1978. Likewise an entry of 000078 would retrieve all documents for the year 1978.

There are two specialized searches: Revision Action Due and Print All. Revision Action Due search finds all drawings containing sheets which reference five or more engineering orders. The Print All search has two options: (1) Output all drawings and their referenced E.O.'s or (2) Output all engineering orders in the data base.

The Vehicle search also has some special qualities. First, the user may search for all drawings related to a certain vehicle, or search for all engineering orders related to a certain vehicle. Secondly, a group of vehicles may be found by using the first and last valid vehicle options. For example, if a user declares the first valid vehicle as 198 and is searching for vehicle number 200. Not only would all records containing vehicle 200 be found, but also those with numbers 198S, 199S, and 200S; where S represents all subsequent vehicles. Default for the first valid vehicle number is zero (0); whereas, the last valid vehicle number becomes 999.

Another search also has the drawing and engineering order options. This is the E.O. number search. The user may search the Engineering Order subfile for a specific E.O. number or search the Drawing subfile for all drawings referencing a specific E.O. number. For an outline of all search capabilities see Figure 5.3.3.3.

Flowchart Figure 6.4.3 depicts the SEARCH MODE of the DRAWING/E.O. subfile.

CORRESPONDENCE

SEARCHABLE DATA ITEMS

	SEARCHABLE	OUTPUT
MAIL STATUS	*	
AUTHOR/SOURCE	*	
DOCUMENT DATE	*	
TO /ADDRESSEE	*	
DOCUMENT LETTER NUMBER	*	*
SUBJECT	*	*
ROUTING		
INPUT DATE	*	*
DAILY COUNTER		*
W.A. NUMBER/ID CODE	*	
CONTRACT NUMBER	*	
ACTION DUE DATE	*	**
REFERENCED DOCUMENTS		***
FILE SYSTEM CODE		*
RESPONSIBLE ENGINEER	*	**
*** DESCRIPTION		

* OUTPUT IN ALL SEARCHES

** ONLY OUTPUT DURING AN ACTION DUE SEARCH

*** OUTPUT IN ALL BUT AN ACTION DUE OR ALL SEARCH

**** ONLY USED IN TRANSMITTAL SUBFILE

FIGURE 5.3.1.1

CORRESPONDENCE

SEARCHES

PARAMETER	SUBFILE SELECTION	TIME FRAME
MAIL STATUS	ANY 6	ANY
AUTHOR	ANY 6	ANY
DOCUMENT DATE	ANY 6	DAY/MONTH/YEAR
TO	ANY 6	ANY
DOCUMENT LETTER NUMBER	ANY 6	ANY
SUBJECT	ANY 6	ANY
INPUT DATE	ANY 6	DAY/MONTH/YEAR
W.A. NUMBER/ID CODE	ANY 6	ANY
CONTRACT NUMBER	ANY 6	ANY
ACTION DUE	ALL 6	NONE
RESPONSIBLE ENGINEER	ANY 6	ANY
ALL	ANY 6	ANY

FIGURE 5.3.1.2

DIR/REPORT
SEARCHABLE DATA ITEMS

	SEARCHABLE	OUTPUT
TITLE	*	*
DIR/REPORT NUMBER	*	*
DATE	*	*
SYSTEM	*	*
VEHICLE	*	*
W.A. NUMBER/ID CODE	*	*
*** CONTRACT NUMBER	*	*
REVISION		*
REVISION DATE	**	*

** INCLUDED WITHIN THE DATE SEARCH
*** NOT STORED IN DATA BASE SUBFILE
CONTAINED IN W.A./CONTRACT TABLE

FIGURE 5.3.2.1

SEARCHABLE DRAWING DATA ITEMS

DRAWING SUBFILE	SEARCHABLE	OUTPUT
DRAWING NUMBER	*	*
VENDOR CODE	*	
TITLE	*	*
DATE	*	*
SYSTEM	*	
VEHICLE	*	
SECTION	*	
NUMBER OF SHEETS		
SHEET NUMBER		*
SHEET REVISION		*
NUMBER OF E.O.'s	**	
E.O.'s REFERENCED	*	*
SHEET SUBFILE		
DRAWING NUMBER		
SHEET NUMBER		*
REVISION		*
NUMBER OF E.O.'s		
E.O.'S REFERENCED		*

** NUMBER OF E.O.'s CHECKED WHEN PERFORMING A REVISION ACTION DUE SEARCH

FIGURE 5.3.3.1

SEARCHABLE ENGINEERING ORDER DATA ITEMS

	SEARCHABLE	OUTPUT
E.O. NUMBER	*	*
E.O. TITLE		*
E.O. REVISION		*
E.O. DATE		*
E.O. REVISION DATE		*
VEHICLE	*	**

** NOT OUTPUT DURING A VEHICLE SEARCH

FIGURE 5.3.3.2

DRAWING/ENGINEERING ORDER SEARCHES

PARAMETER	SPECIAL NOTATION
DRAWING NUMBER	
DATE	DALLAS DATA ALL ONE DATE
SYSTEM	NOT APPLICABLE WITH DALLAS
SECTION	NOT APPLICABLE WITH DALLAS
VEHICLE	TWO OPTIONS: E.O.'s OR DRAWINGS
VENDOR CODE	
TITLE	**
REVISION ACTION DUE	FIVE (5) OR MORE E.O.'s
ALL	TWO OPTIONS: E.O.'s OR DRAWINGS
E.O. NUMBER	TWO OPTIONS: E.O.'s OR DRAWINGS

** DALLAS DATA TITLES SOMETIMES
CONTAIN SYSTEM AND/OR SECTION

FIGURE 5.3.3.3

5.4 ARCHIVE

The user must be validated to execute in the ARCHIVE mode. If not properly logged in, an invalid user message will be displayed on the terminal as follows:

SORRY, YOU ARE NOT VALIDATED TO USE THIS MODE.
IF IT IS NECESSARY, PLEASE CONTACT SYSTEM OPERATOR AT EXT. 2621.

When the document or data record has been archived, the user is automatically returned to the program mode selection level as shown in Section 4.2 (Program Entry).

5.4.1 CORRESPONDENCE

To archive a document not only is the input date and daily counter code needed, but also the specific data subfile in which it is located. After these requirements have been satisfied, a pause of 15 to 50 seconds occurs for the system to update all files involved.

All archived document records are placed in a file called INACTS, except for those records stored in the TRANSMITTAL data subfile. These records are archived to a file called INACTL, because of their extra data item, DESCRIPTION. Flowchart Figure 6.5.1 depicts the ARCHIVE MODE of the Correspondence subfile.

5.4.2 DESIGN INFORMATION RELEASE/REPORT

The necessary information needed in order to archive a DIR or Report is the DIR number. The user may also designate how many documents to be archived at one session. The file in which all archived records are placed is called INACT. Flowchart Figure 6.5.2 depicts the ARCHIVE MODE of the DIR/REPORT subfile.

5.4.3 DRAWING/ENGINEERING ORDER

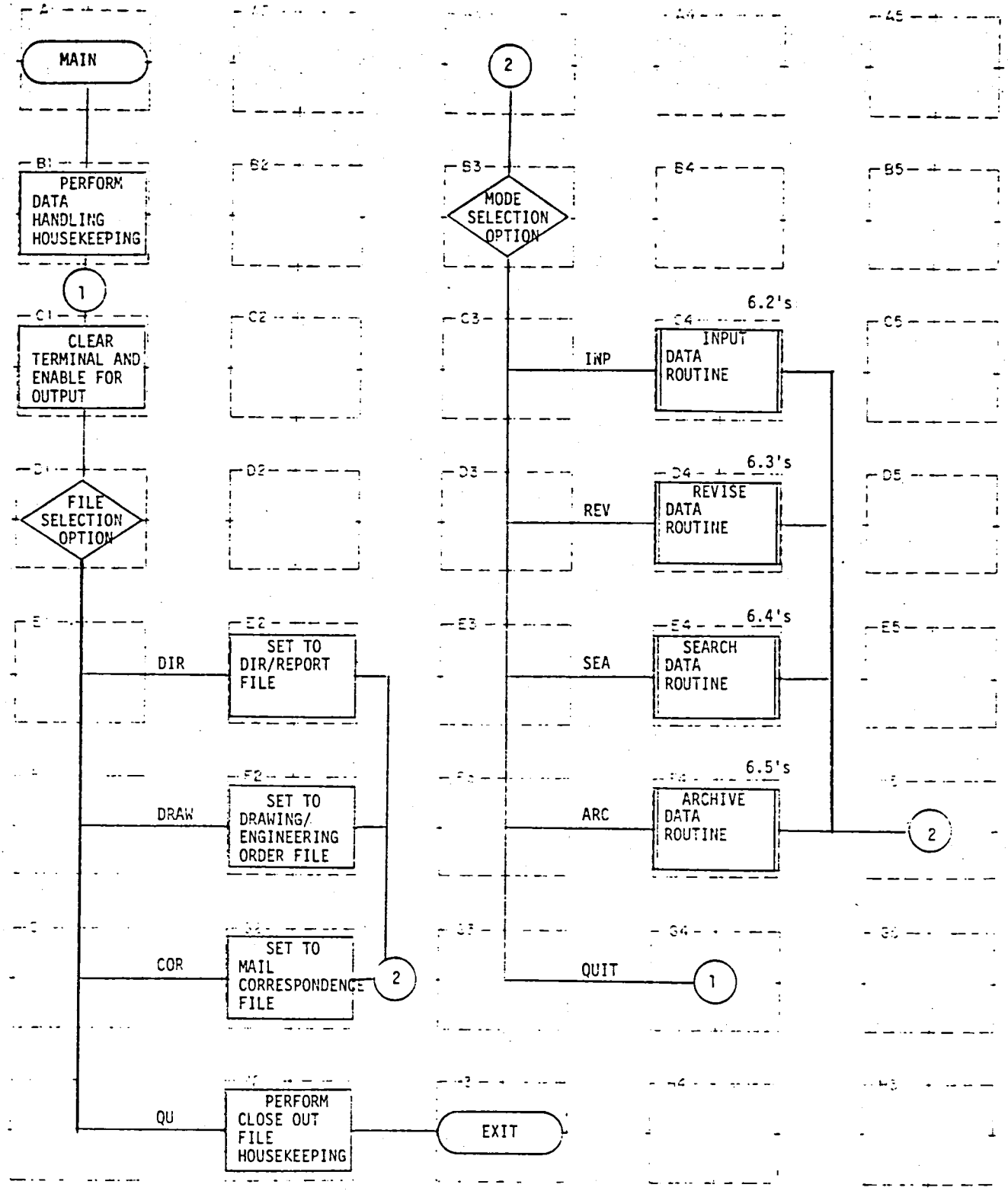
The only information needed in order to archive a drawing is the Drawing number. The user may designate how many drawings are to be archived at one session. Actual drawing data archived is placed in a file called INACTD. If the drawing contains more than one sheet, the SHEET subfile is automatically updated. Sheet drawing data is stored in a file called INACTS.

Engineering order data records are automatically archived. E.O.'s unreferrenced by any drawings are placed in a file called INACTE. Flowchart Figure 6.5.3 depicts the ARCHIVE MODE of the DRAWING/E.O. subfile.

6.0 FLOWCHARTS

6.1 MAIL ENTRANCE

Figure 6.1 depicts the general logic flow during the main executive routine for the MAIL LOG program.



MAIL LOG MAIN ENTRANCE

FIGURE 6.1

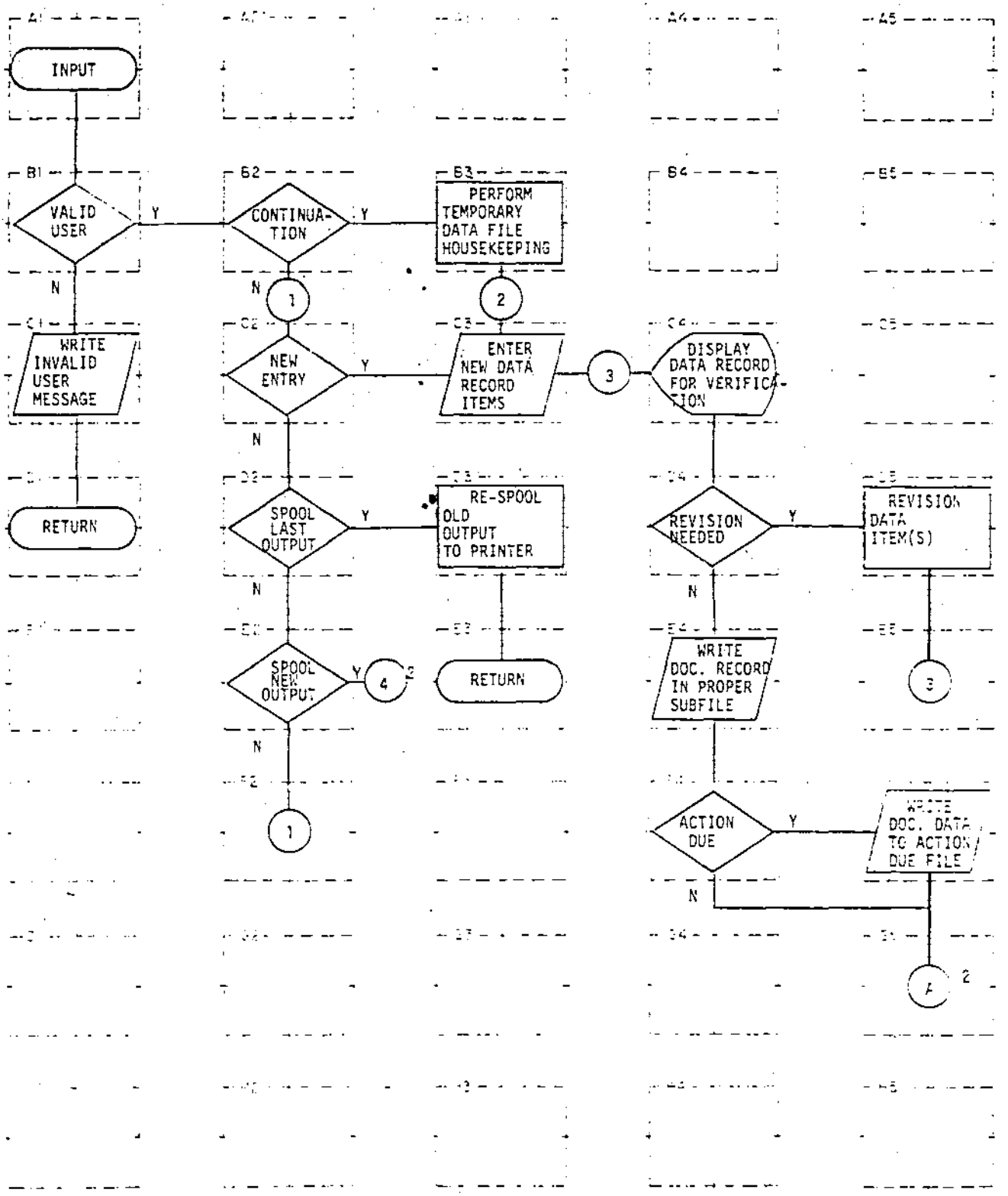
6.2 INPUT MODE

Figures in this section depict generalized logic flow during the INPUT MODE of operation for the MAIL LOG program.

Figure 6.2.1 represents the general flow diagram for the MAIL CORRESPONDENCE subfile.

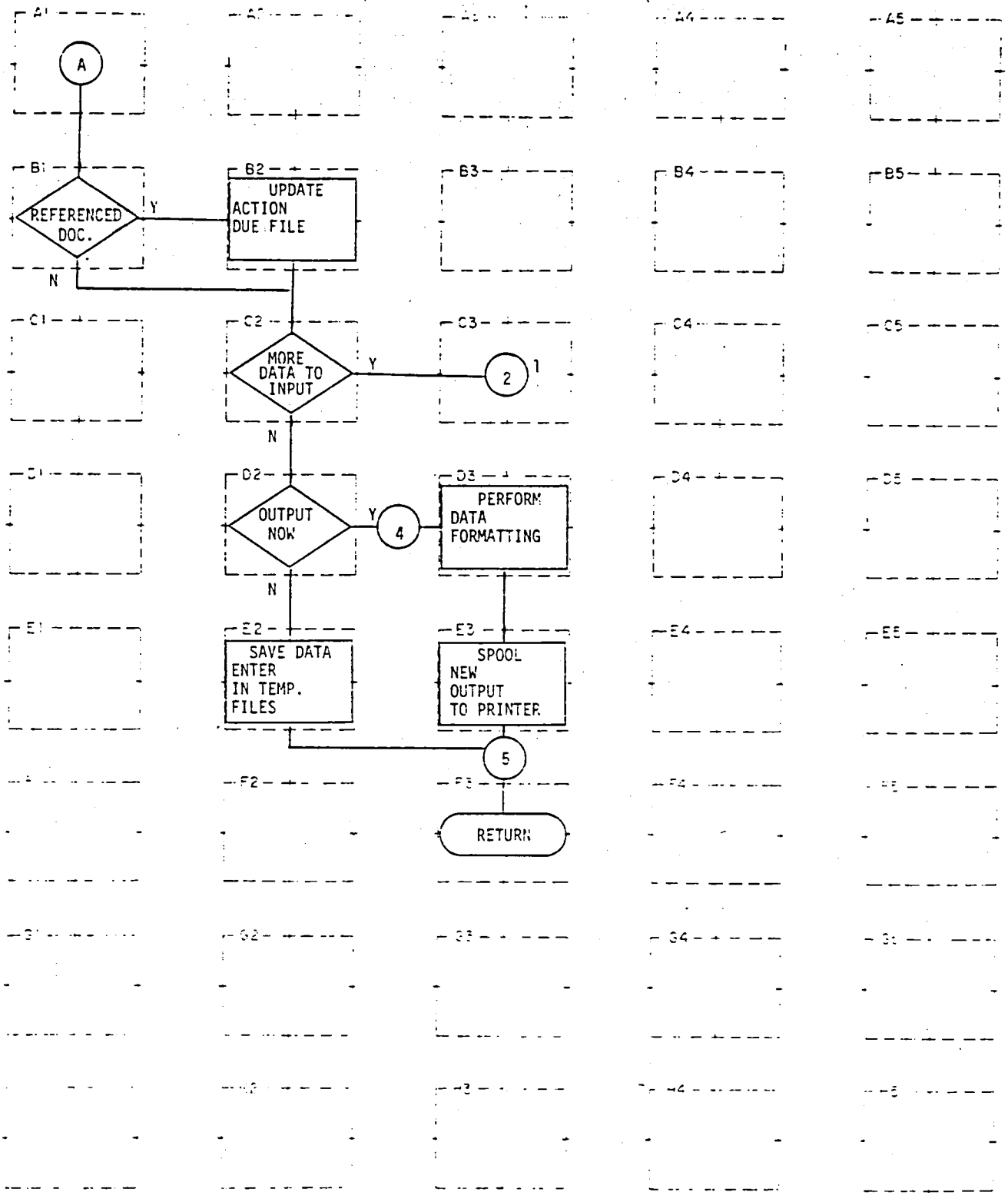
Figure 6.2.2 represents the general flow diagram for the DESIGN INFORMATION RELEASE/REPORT subfile.

Figure 6.2.3 represents the general flow diagram for the DRAWING/ENGINEERING ORDER subfile.



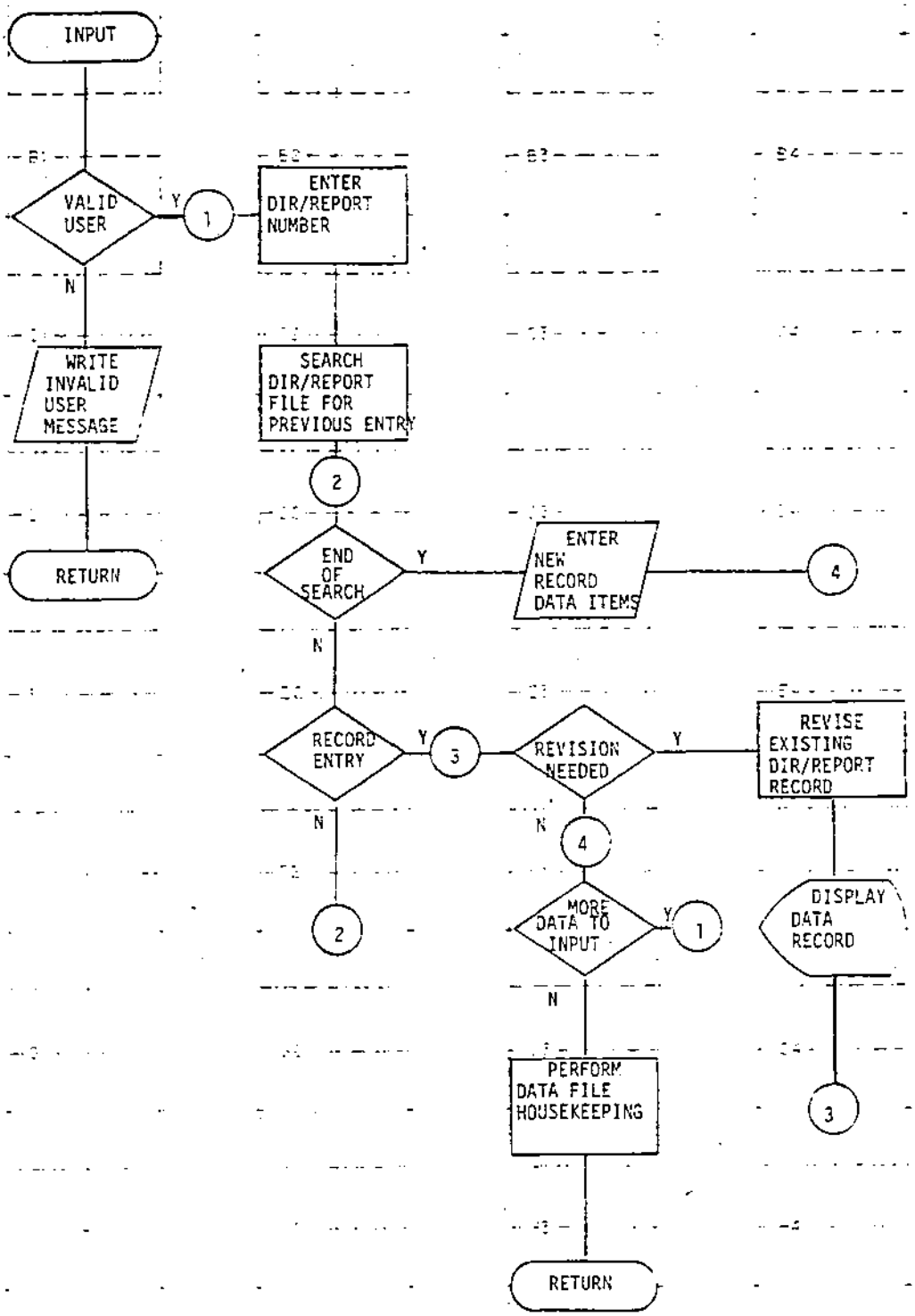
INPUT MODE FOR MAIL CORRESPONDENCE

FIGURE 6.2.1



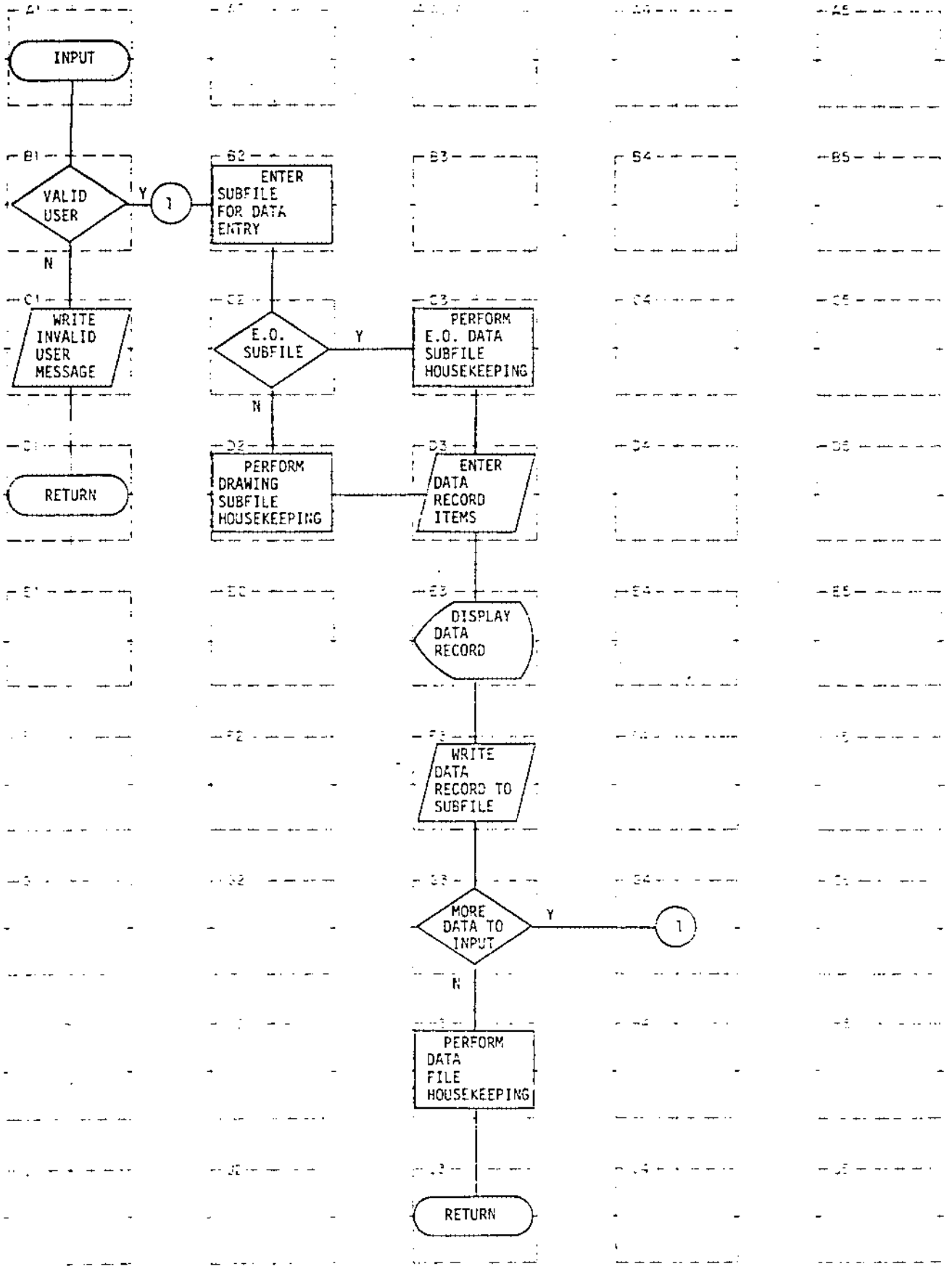
INPUT MODE FOR MAIL CORRESPONDENCE

Figure 6.2.1



INPUT MODE FOR DESIGN INFORMATION RELEASE/REPORT

FIGURE 6.2.2



INPUT MODE FOR DRAWING/ENGINEERING ORDER

FIGURE 6.2.3

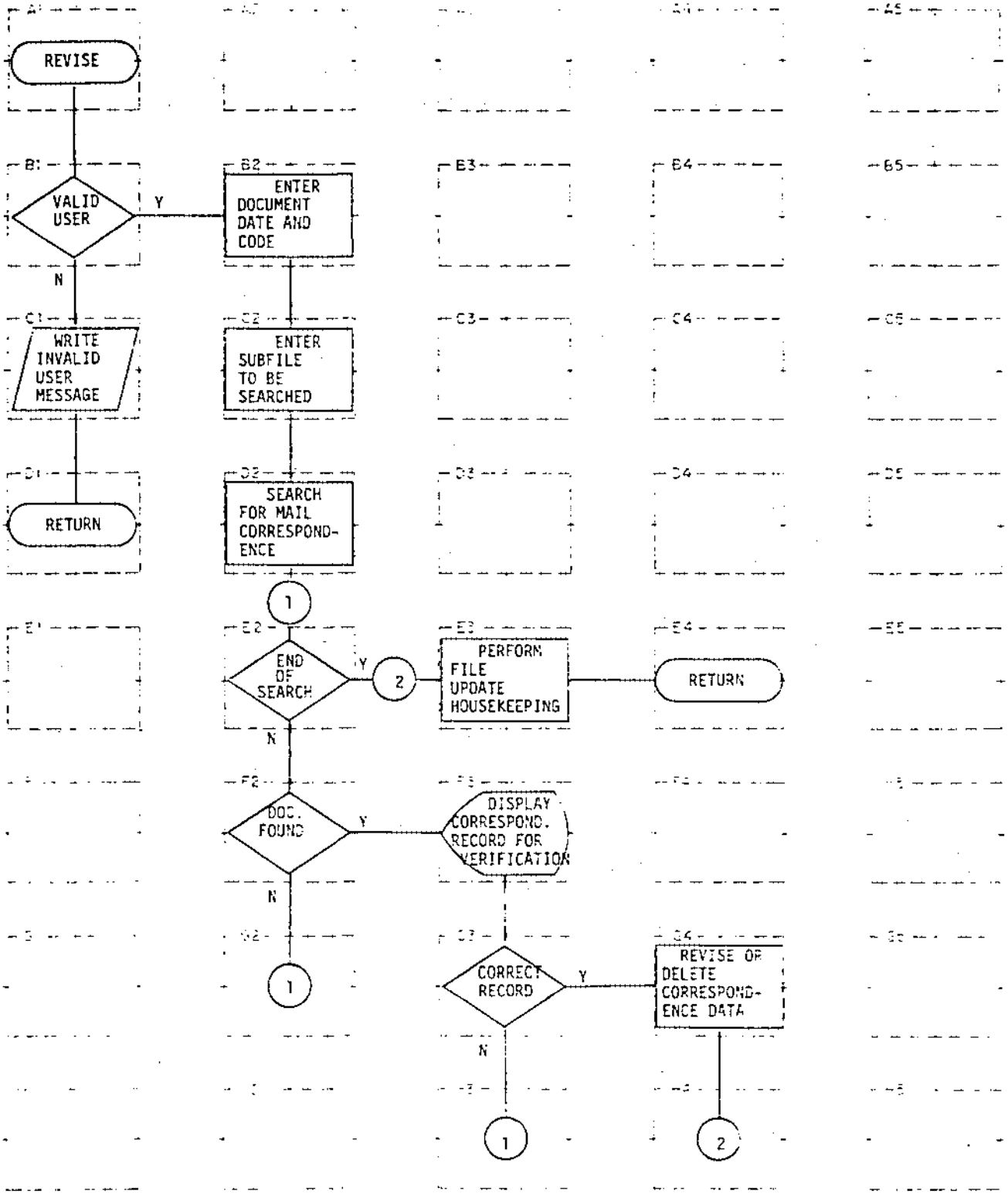
6.3 REVISE MODE

Figures in this section depict a generalized logic flow during the REVISE MODE of operation for the MAIL LOG program.

Figure 6.3.1 represents the general flow diagram for the MAIL CORRESPONDENCE subfile.

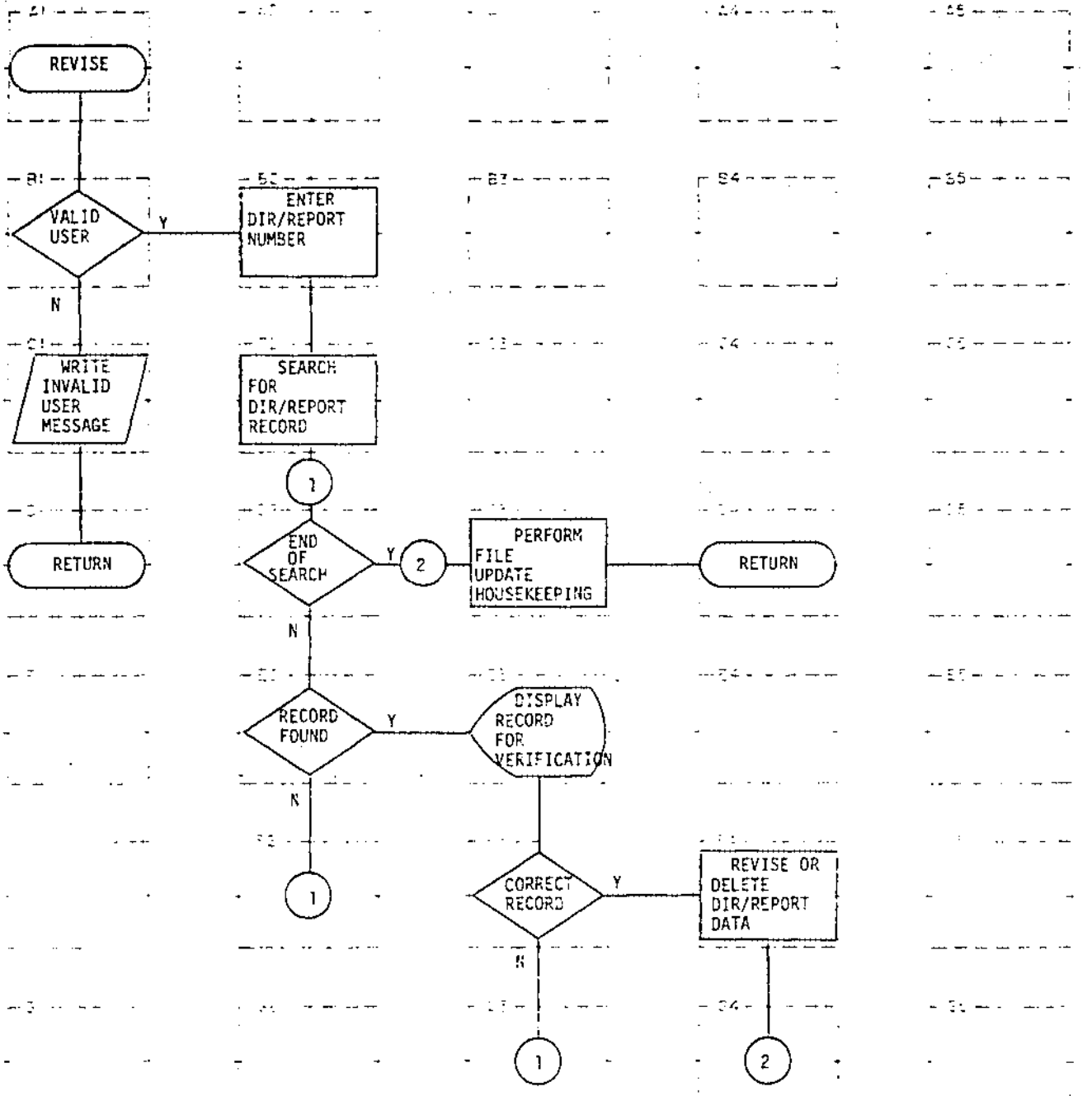
Figure 6.3.2 represents the general flow diagram for the DESIGN INFORMATION RELEASE/REPORT subfile.

Figure 6.3.3 represents the general flow diagram for the DRAWING/ENGINEERING ORDER subfile.



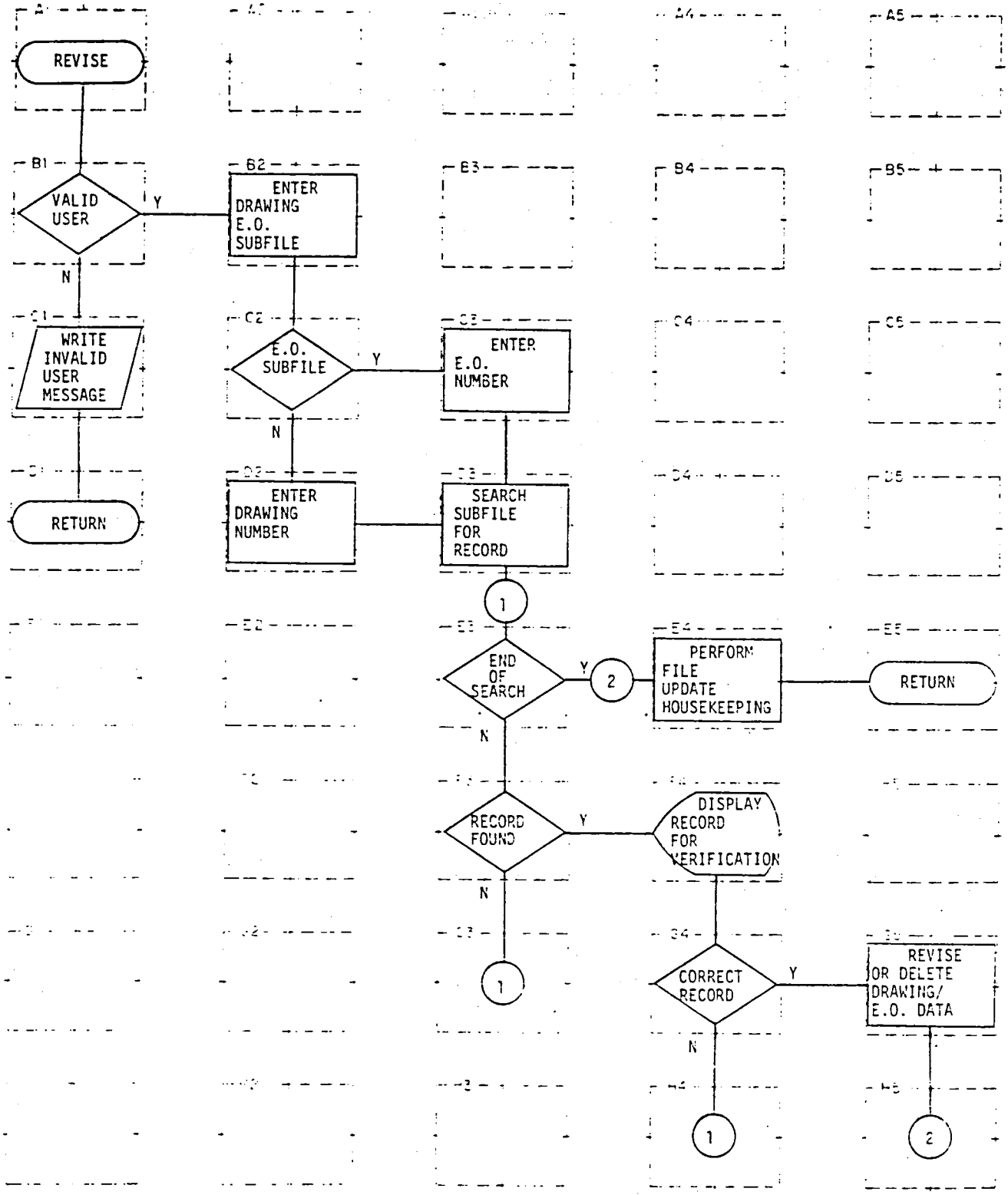
REVISE MODE FOR MAIL CORRESPONDENCE

FIGURE 6.3.1



REVISE MODE FOR DESIGN INFORMATION RELEASE/REPORT

FIGURE 6.3.2



REVISE MODE FOR DRAWING/ENGINEERING ORDER

FIGURE 6.3.3

Page (1 of 1)

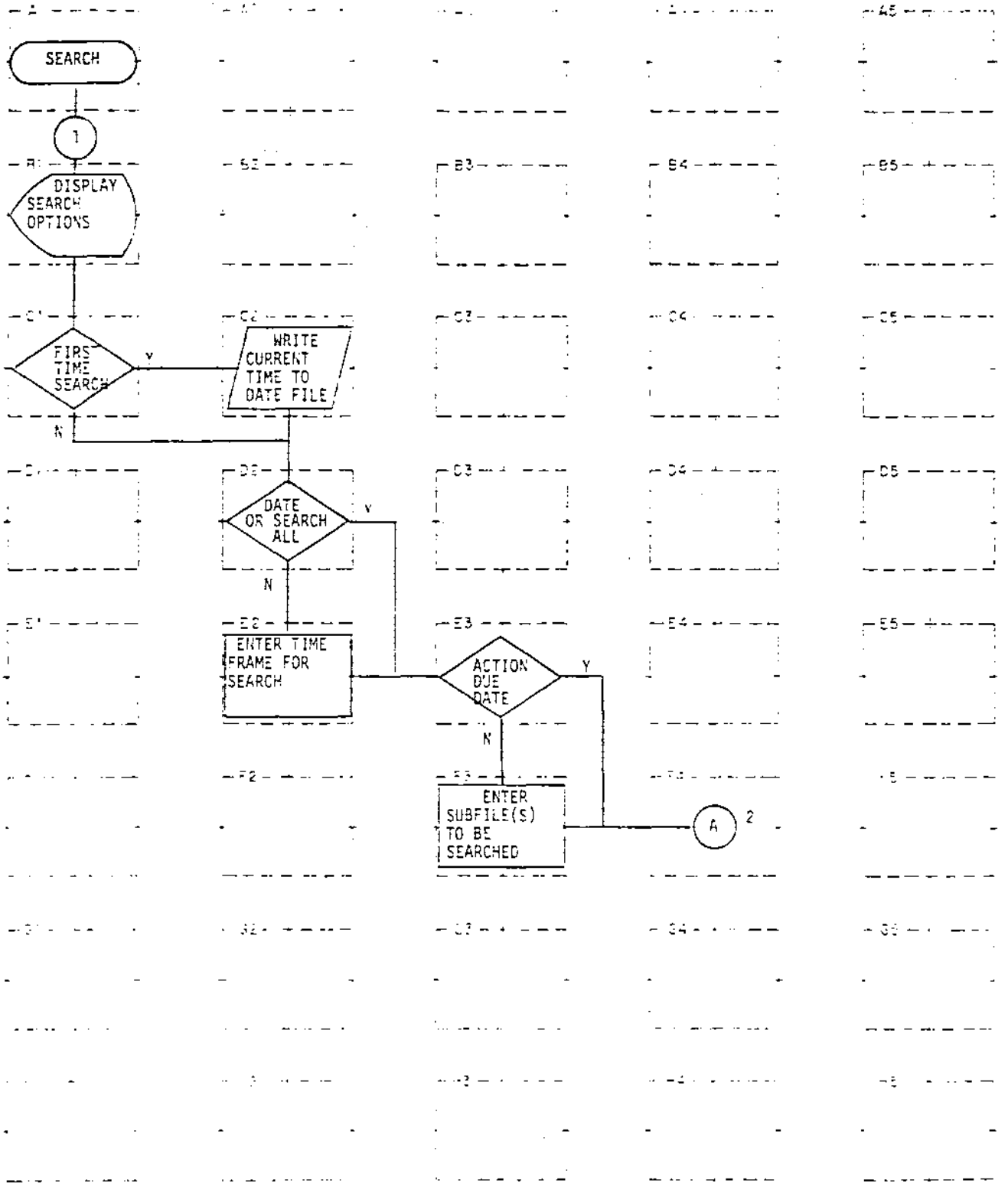
6.4 SEARCH MODE

Figures in this section depict a generalized logic flow during the SEARCH MODE of operation for the MAIL LOG program.

Figure 6.4.1 represents the general flow diagram for the MAIL CORRESPONDENCE subfile.

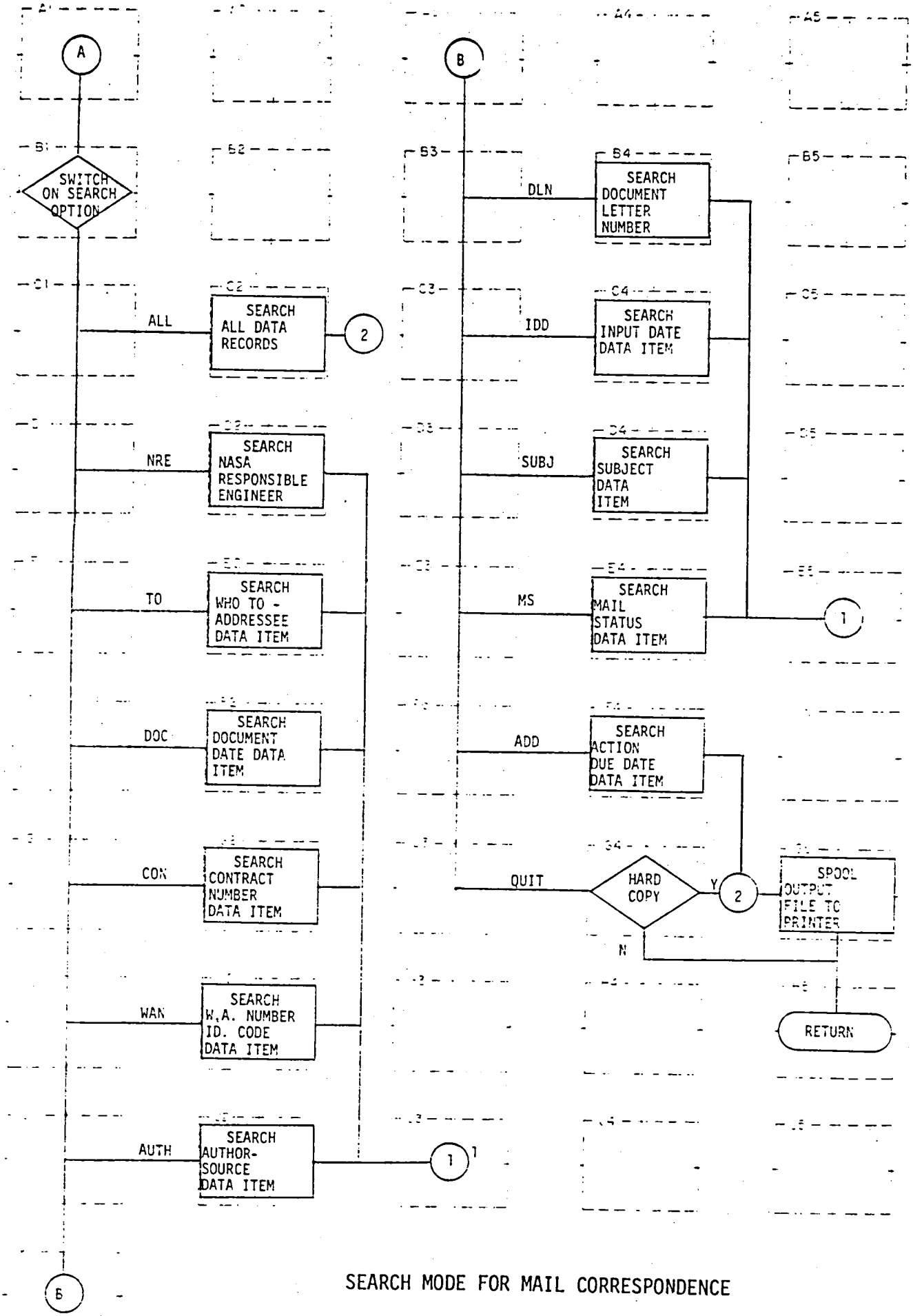
Figure 6.4.2 represents the general flow diagram for the DESIGN INFORMATION RELEASE/REPORT subfile.

Figure 6.4.3 represents the general flow diagram for the DRAWING/ENGINEERING ORDER subfile.



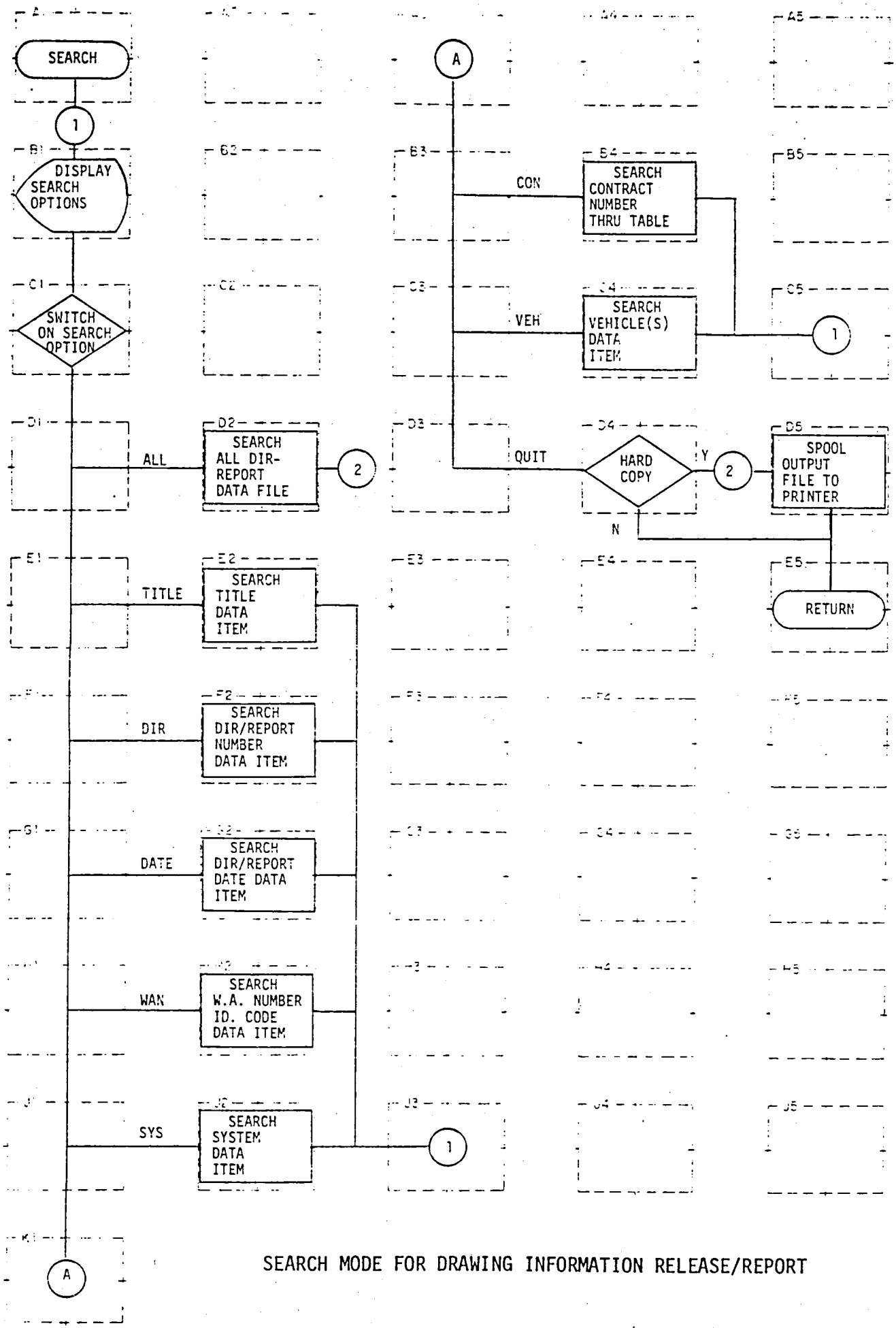
SEARCH MODE FOR MAIL CORRESPONDENCE

FIGURE 6.4.1



SEARCH MODE FOR MAIL CORRESPONDENCE

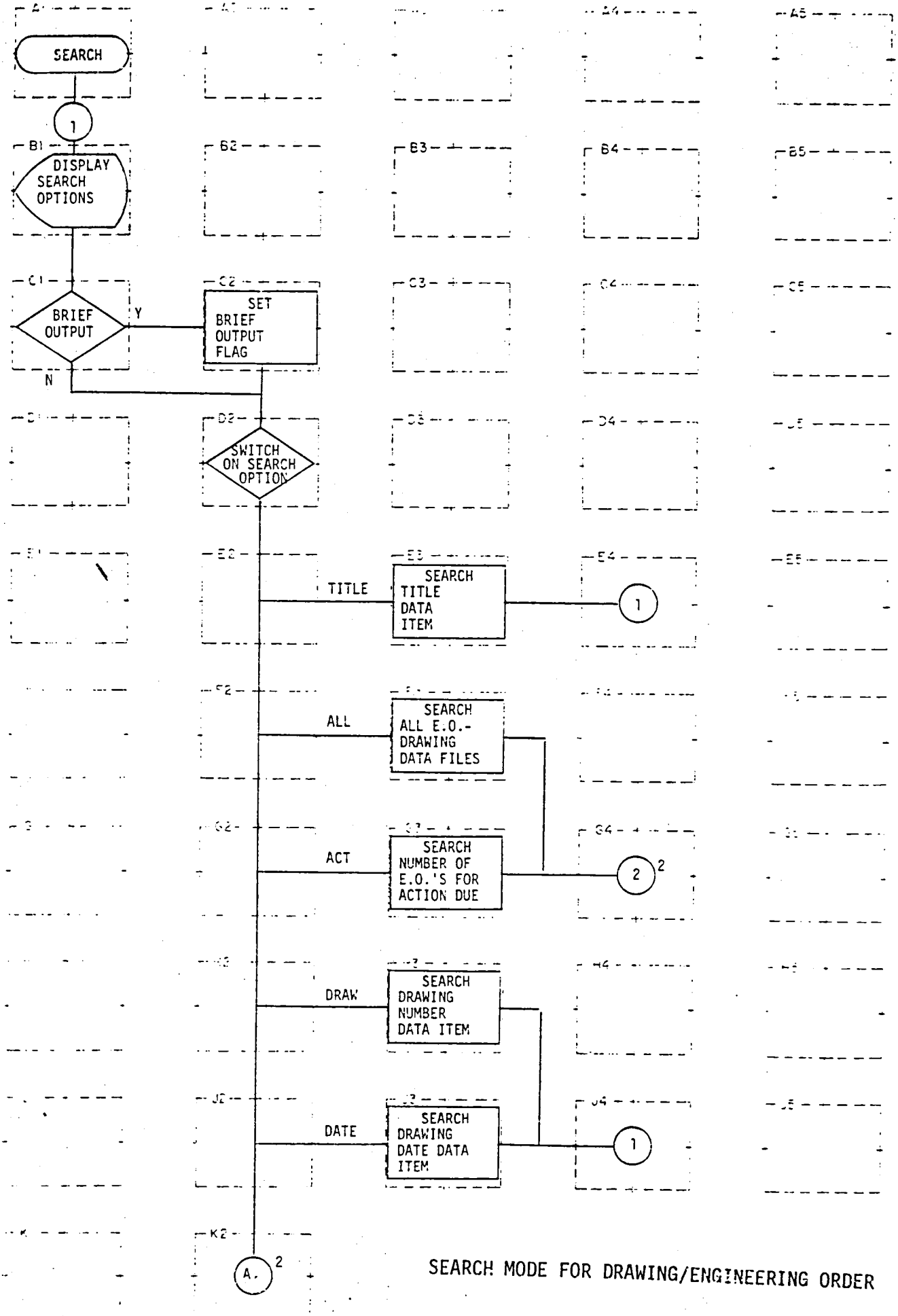
Figure 6.4.1



SEARCH MODE FOR DRAWING INFORMATION RELEASE/REPORT

FIGURE 6.4.2

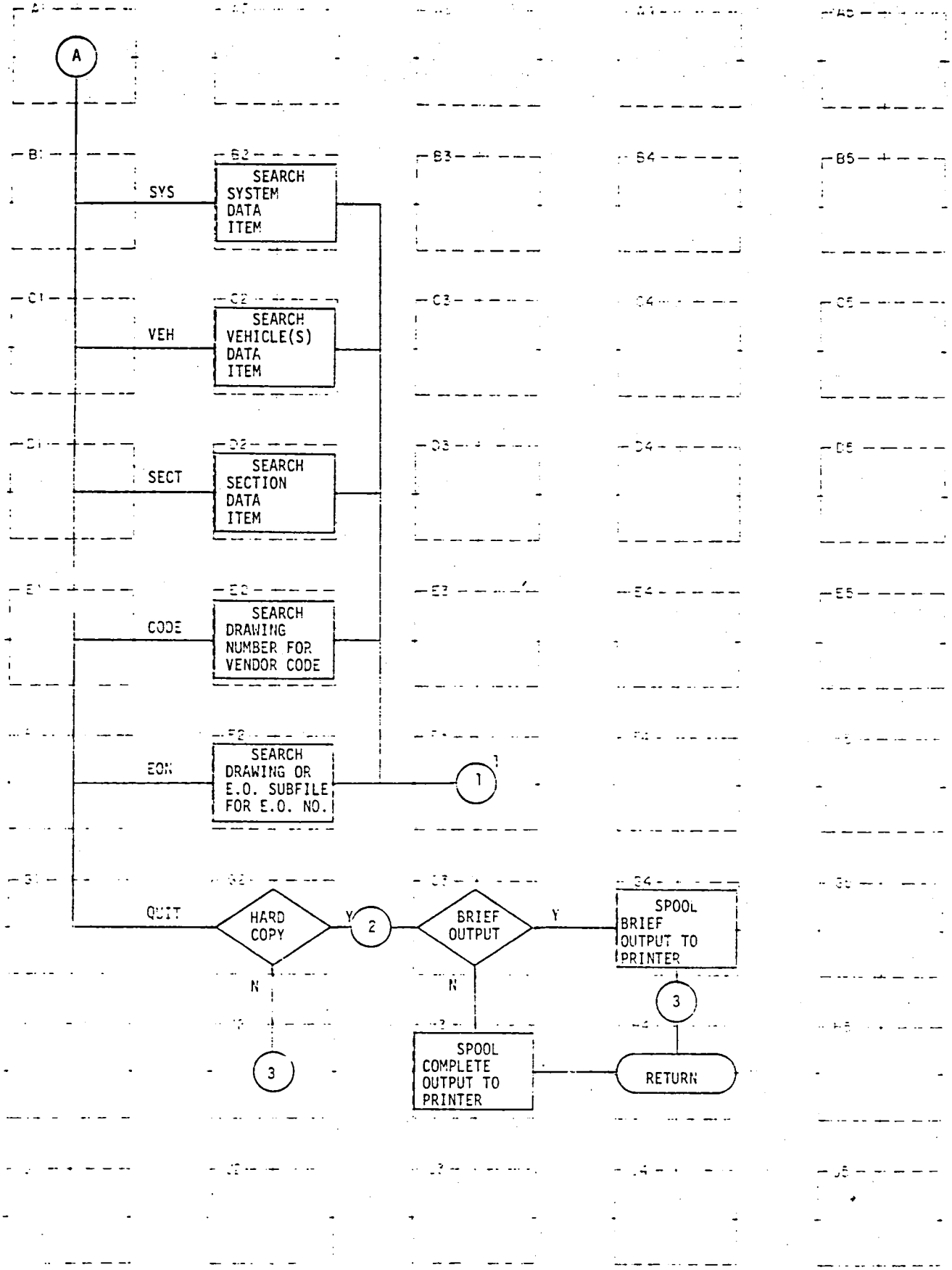
Page (1 of 1)



SEARCH MODE FOR DRAWING/ENGINEERING ORDER

FIGURE 6.4.3

Page (1 of 2)



SEARCH MODE FOR DRAWING/ENGINEERING ORDER

Figure 6.4.3

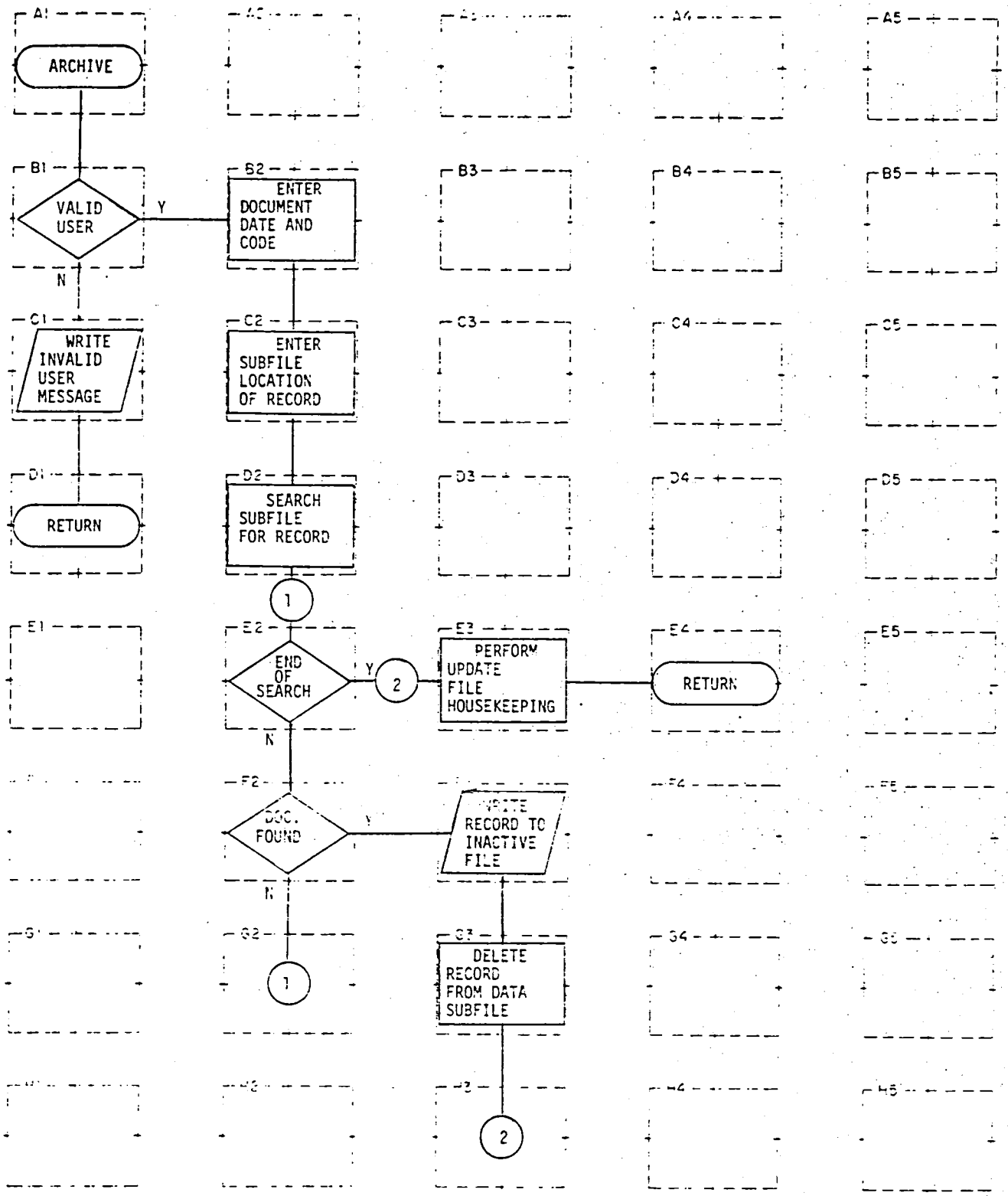
6.5 ARCHIVE MODE

Figures in this section depict a generalized logic flow during the ARCHIVE MODE of operation for the MAIL LOG program.

Figure 6.5.1 represents the general flow diagram for the MAIL CORRESPONDENCE subfile.

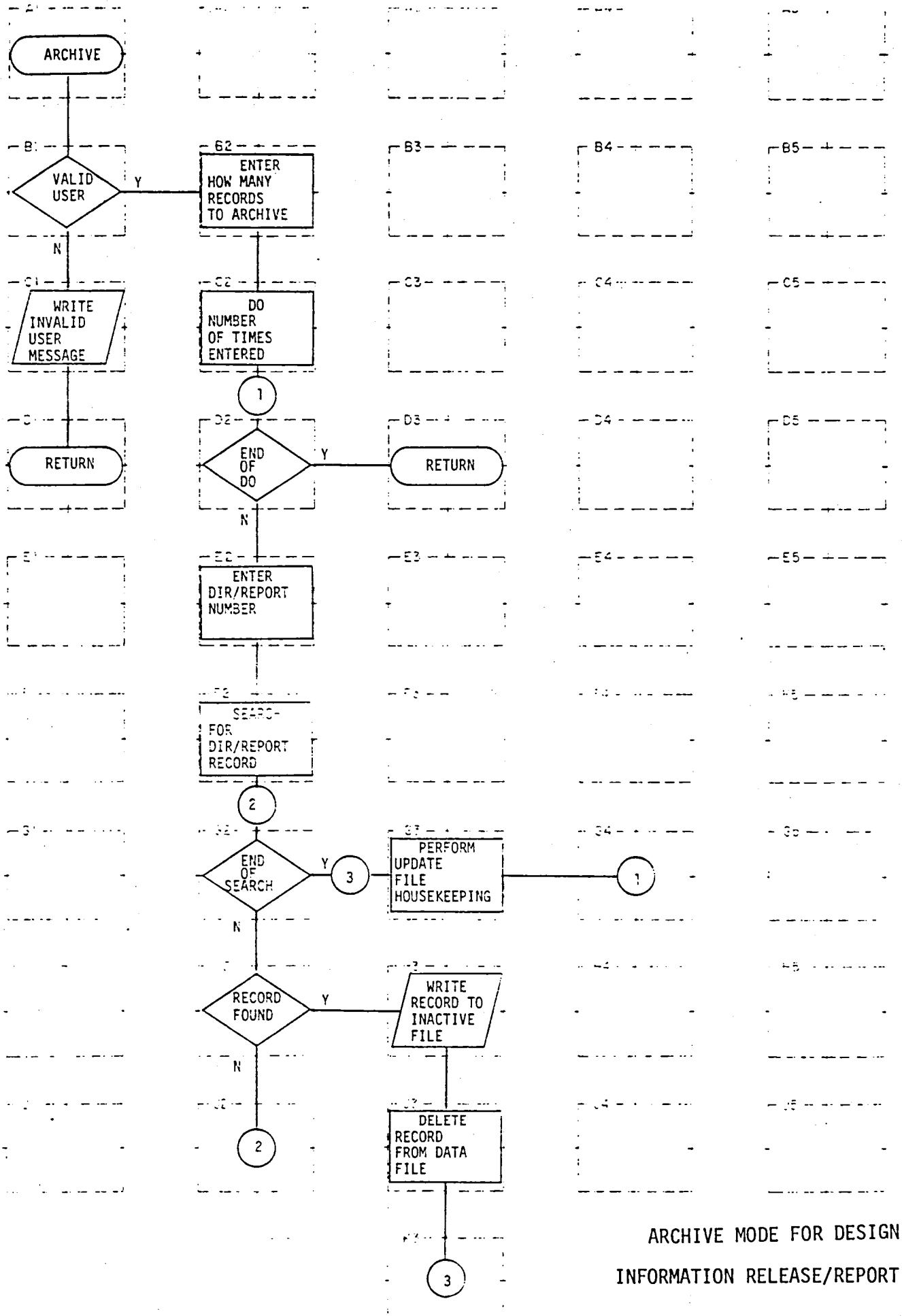
Figure 6.5.2 represents the general flow diagram for the DESIGN INFORMATION RELEASE/REPORT subfile.

Figure 6.5.3 represents the general flow diagram for the DRAWING/ENGINEERING ORDER subfile.



ARCHIVE MODE FOR MAIL CORRESPONDENCE

FIGURE 6.5.1

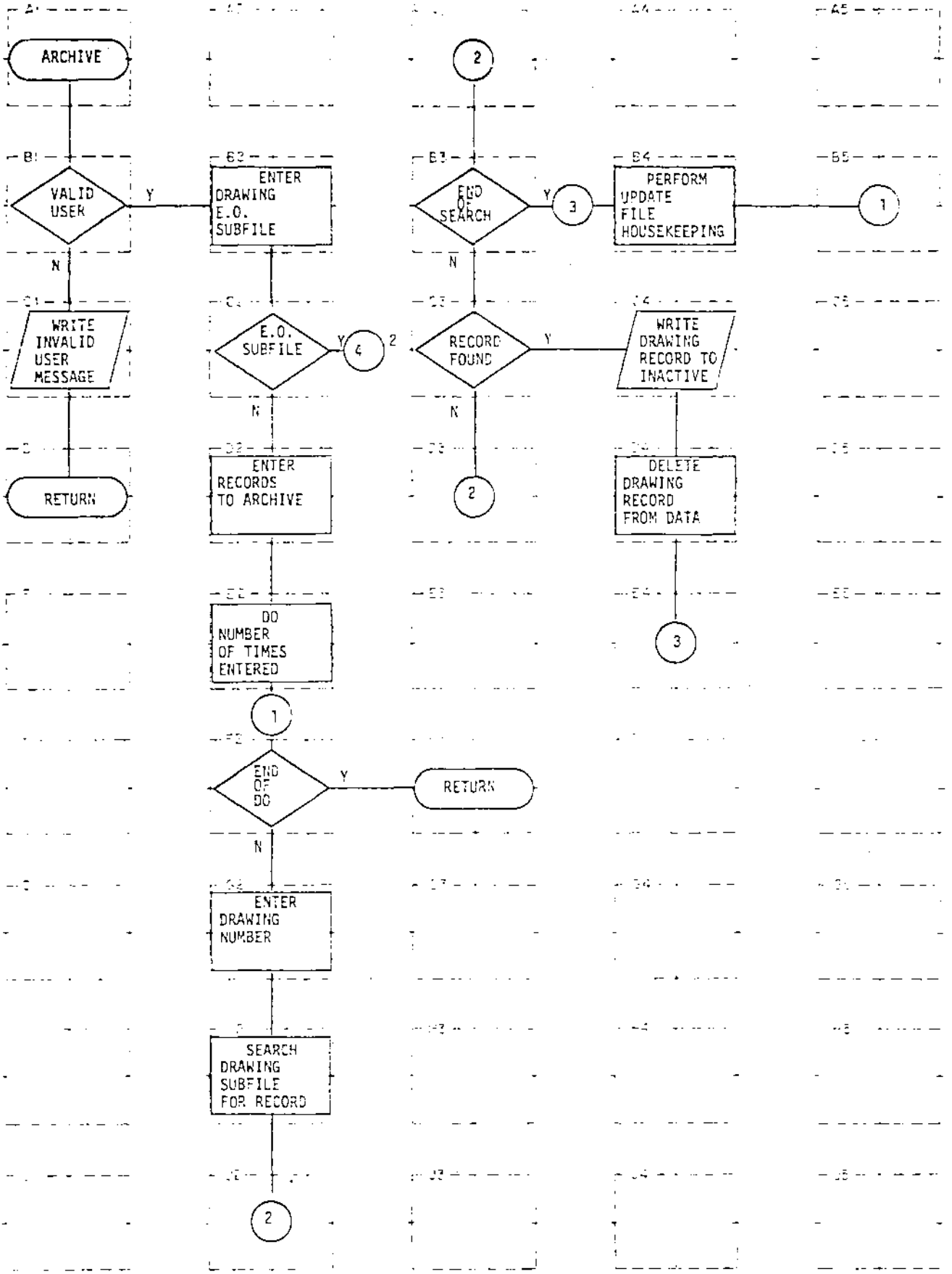


ARCHIVE MODE FOR DESIGN

INFORMATION RELEASE/REPORT

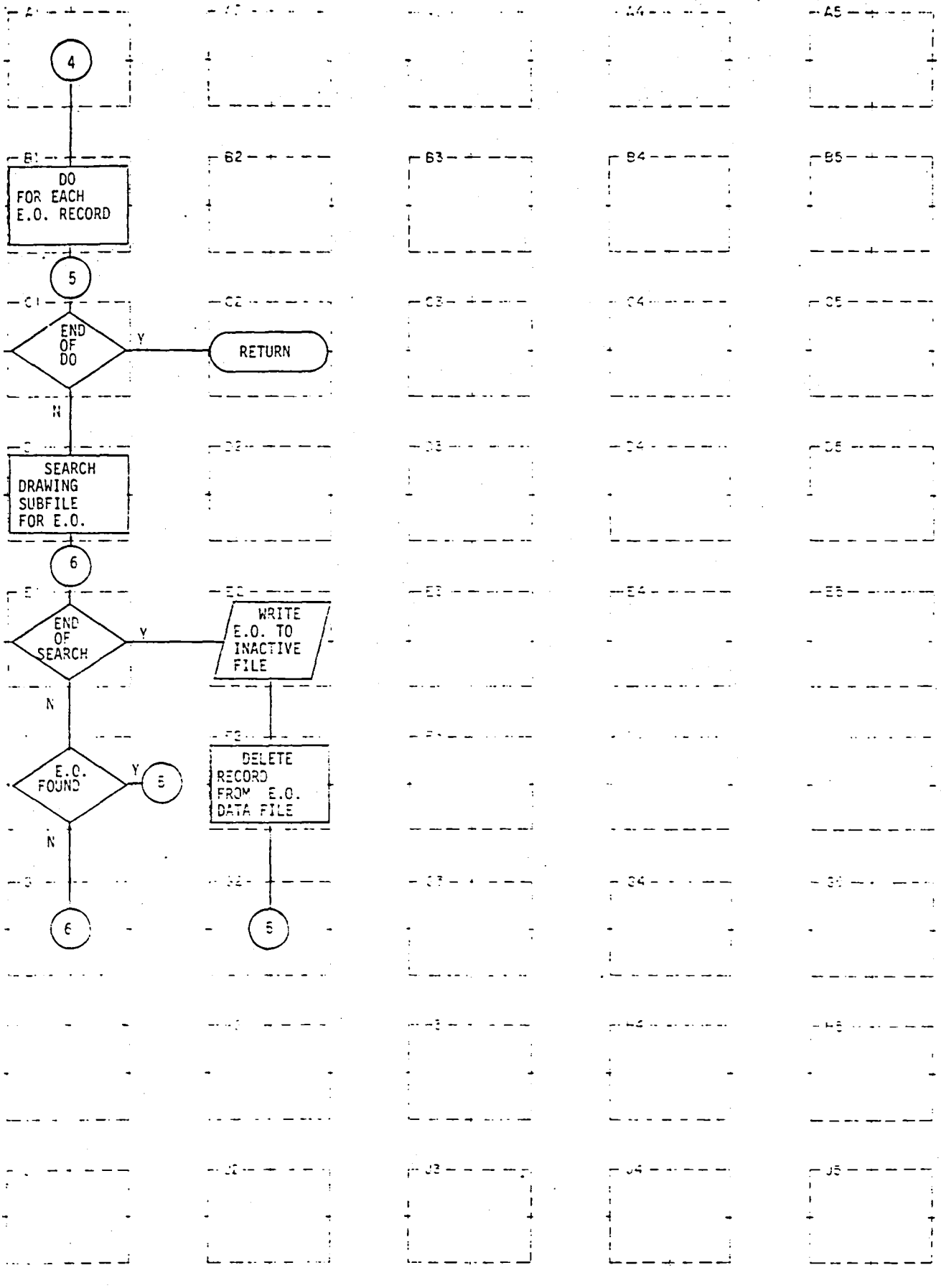
FIGURE 6.5.2

Page (1 of 1)



ARCHIVE MODE FOR DRAWING/ENGINEERING ORDER

FIGURE 6.5.3



ARCHIVE MODE FOR DRAWING/ENGINEERING ORDER

Figure 6.5.3

Page (2 of 2)

7.0 MAIL LOG OUTPUTS

Outputs produced during operation in the MAIL LOG program can be placed into two categories: Terminal and Printer. Terminal and printer outputs may consist of special printed listings of data records found during the SEARCH modes. Terminal outputs may also consist of important status messages to the user during the INPUT MODE. Other printer outputs consist of special printed listings of data records entered during the INPUT MODE. Figures 7.1.1.1 thru 7.3.2.18 show all basic forms of MAIL LOG outputs.

7.1 CORRESPONDENCE - OUTPUT FORMATS

Outputs produced while operating within the correspondence subfile may result during two modes: INPUT and SEARCH.

7.1.1 INPUT MODE FOR CORRESPONDENCE

Output resulting from the INPUT MODE is a special listing of new document records entered during the daily input session. The high speed printer output documents are stored according to mail status. This output can be given in two optional forms:

(1) A complete data record listing
See Figure 7.1.1.1.

(2) A brief or partial data record listing
See Figure 7.1.1.2.

CORRESPONDENCE INPUT COMPLETE OUTPUT

VOUGHT/DALLAS CORRESPONDENCE

SUBJECT AUTHOR/SOURCE ACTION DUE DATE NASA RESPONSIBLE ENGINEER(S) REFERENCE DOCUMENT NUMBER(S) DESCRIPTION OF TRANSMITTAL OR SPECIFICATION	TO WA NUMBER/ID CODE	INPUT DATE 12- 6-78 ROUTING CONTRACT NUMBER	DOCUMENT DATE	FILE SYSTEM CODE TYPE/LETTER NUMBER
1. AGENDA CCB MEETING 12/7/78 BEAN, J. 0- 0- 0 JDD NONE	DEARING, J. D.	JDD/ / / / /	12- 6-78	/ MFX D-1
2. REVIEW SAI DOCUMENTATION MACHALA, C. F. 0- 0- 0 DEG NONE	GUTHRIE, D. E.	SJA/DEG/JVC/ / /	12- 5-78	650.5 / MFX D-4
3. TASK-R-105 SPECIAL INSTRUMENTATION KITS ANTARES III YOUNG, H. G. 0- 0- 0 CSL NONE	OWENS, A. A. 3526	CSL/SJA/JBT/DMF/AAO/ NAS1-15100	12- 5-78	682/R / MFX
4. REQUEST CHANGE PACKAGE APPROVAL URASH, R. G. 12-20-78 JDD 2-94000/8T-192	FOSTER, L. R.; WINTERS, C. W. 3525GS	CWW/JDD/RDS/ / / NAS1-15000	12- 5-78	409.1 / 2-94000/8T-203
5. APPROVAL MINUTES 55TH-SCOUT RELIABILITY REVIEW MEETING EVERHART, P. E. 0- 0- 0 PEE 2-94000/8L-4299	VC, NAVPRO, REMO, WTR, WFC 3525FR	PEE/AAO/JVC/SJA/RPP/ NAS1-15000	12- 6-78	407.1 / S-4465/PEE

FIGURE 7.1.1.1

CORRESPONDENCE INPUT

COMPLETE OUTPUT

```
*****************************************************************************************************
                             INCOMING MAIL                          INPUT DATE  12- 6-78
SUBJECT                                                                     DOCUMENT DATE   FILE SYSTEM CODE
AUTHOR/SOURCE                TO                                    ROUTING                  TYPE/LETTER NUMBER
ACTION DUE DATE              WA NUMBER/ID CODE                     CONTRACT NUMBER
NASA RESPONSIBLE ENGINEER(S)
REFERENCE DOCUMENT NUMBER(S)
DESCRIPTION OF TRANSMITTAL OR SPECIFICATION
*****************************************************************************************************

1. SCOUT/WFC FIELD OPERATIONS DAILY WORK SCHEDULE 12/6/78                   12- 6-78      405.10    /
   DAWSON, C. M.             WINTERS, C. W.; DUNCAN, DEARING      ALL/  /  /  /  /          MFX
    0- 0- 0                  3525FR                                NAS1-15000
   CWW
   NONE

2. VC/VAFB OPERATIONS DAILY WORK SCHEDULE 12/6/78                           12- 6-78      403.9     /
   HALE, C. F.               WINTERS, C. W.; DEARING, J. D.       CWW/JDD/JBT/  /  /        MFX
    0- 0- 0                  3525FR                                NAS1-15000
   JDD
   NONE

3. VC/WFC DAILY STATUS VEHICLE S-202C                                       12- 6-78      131-202   /
   DAWSON, C. M.             AILOR, S. J.                         ALL/  /  /  /  /          MFX 820/FDC
    0- 0- 0                  3525FR                                NAS1-15000
   JA
   NONE

4. RESEARCH & TECHNOLOGY ANNUAL REPORT                                      11- 7-78      405.1     /
   KRIEGER, R. L.   WFC      NASA-HDQTS.; SPO                     LRF/  /  /  /  /          LETTER
    0- 0- 0
   LRF
   NONE

5. LIST JOB-ORDERS CLOSED EFFECTIVE PAY-PERIOD ENDING 12/2/78               12- 1-78      509.4.1   /
   WILSON, J. H.             SPO                                  NHT/AY /DEF/  /  /        MEMO
    0- 0- 0
   LRF
   NONE
```

FIGURE 7.1.1.1

CORRESPONDENCE INPUT — COMPLETE OUTPUT

```
****************************************************************************************************************
                                  INCOMING MAIL                          INPUT DATE  12- 6-78
SUBJECT                                                                         DOCUMENT DATE   FILE SYSTEM CODE
AUTHOR/SOURCE                      TO                                  ROUTING                  TYPE/LETTER NUMBER
ACTION DUE DATE                    WA NUMBER/ID CODE                   CONTRACT NUMBER
NASA RESPONSIBLE ENGINEER(S)
REFERENCE DOCUMENT NUMBER(S)
DESCRIPTION OF TRANSMITTAL OR SPECIFICATION
****************************************************************************************************************

6. NAS1-11859 REQUEST MODIFICATION ESTIMATED COST $10692                        11-17-78        652.8        /
   OCHS, F. I.    THIOKOL CORP.    SPO                        AAO/JVC/BEQ/    /    /         CA-FO-1312-1410CCN
    0- 0- 0                                                    NAS1-11859
   AAO
   NONE

7. CSD PROPOSAL 78-8078 ENVIRONMENTAL CONTROL ALGOL-III ROCKET-MTS              11-30-78        652.6.1.8 /
   ROBERTS, E.    CSD              SPO                        AAO/JVC/BEQ/    /    /         ER271-78
    0- 0- 0                                                    NAS1-14619
   AAO
   S-4439/PEE

8. SCOUT PROJECT MANAGEMENT REPORT                                              11-30-78        576          /
   OVERMAN, B. L.                  SPO                        ALL/    /    /    /    /         REPORT
    0- 0- 0
   LRF
   NONE

9. AUTHORIZATION SHIPMENT REMOVAL BONDED STORES GOVERNMENT PROPERTY             12- 1-78        514.2.1      /
   YAMAMOTO, A.    REMO            NAVPRO, SPO                SJA/DCM/JDD/    /    /         MEMO
    0- 0- 0                                                    NAS1-15000
   SJA
   NONE
   SHIPMENT    BOLT        CUTTERS    SQUIBS
```

FIGURE 7.1.1.1

CORRESPONDENCE INPUT

COMPLETE OUTPUT

```
**********************************************************************************************************************
                              OUTGOING MAIL                          INPUT DATE  12- 5-78
SUBJECT                                                                        DOCUMENT DATE   FILE SYSTEM CODE
AUTHOR/SOURCE                  TO                                  ROUTING                      TYPE/LETTER NUMBER
ACTION DUE DATE                WA NUMBER/ID CODE                   CONTRACT NUMBER
NASA RESPONSIBLE ENGINEER(S)
REFERENCE DOCUMENT NUMBER(S)
DESCRIPTION OF TRANSMITTAL OR SPECIFICATION
**********************************************************************************************************************

1. DATA PRINTER RIBBONS MODIFICATION PR 8300.0833                                    12- 5-78     115.2      /
   KEYNTON, R. J.              CANNON, L.   PROC.          RJK/   /   /   /   /     MEMO
    0- 0- 0
   RJK
   PR8300.0833
```

FIGURE 7.1.1.1

CORRESPONDENCE INPUT

BRIEF OUTPUT

VOUGHT/DALLAS CORRESPONDENCE

INPUT DATE 12- 6-78

	SUBJECT / AUTHOR/SOURCE	TO	ROUTING	DOCUMENT DATE	FILE SYSTEM CODE TYPE/LETTER NUMBER
1.	AGENDA CCB MEETING 12/7/78 BEAN, J.	DEARING, J. D.	JDD/ / / / /	12- 6-78	/ MFX D-1
2.	REVIEW SAI DOCUMENTATION MACHALA, C. F.	GUTHRIE, D. E.	SJA/DFG/JVC/ / /	12- 5-78	650.5 / MFX D-4
3.	TASK-R-105 SPECIAL INSTRUMENTATION KITS ANTARES III YOUNG, H. G.	OWENS, A. A.	CSL/SJA/JBT/DMF/AAO/	12- 5-78	692/R / MFX
4.	REQUEST CHANGE PACKAGE APPROVAL URASH, R. G.	FOSTER, L. R.; WINTERS, C. W.	CWW/JDD/RDS/ / /	12- 5-78	409.1 / 2-94000/8T-203
5.	APPROVAL MINUTES 55TH-SCOUT RELIABILITY REVIEW MEETING EVERHART, P. E.	VC, NAVPRO, REMO, WTR, WFC	PEE/AAO/JVC/SJA/RPP/	12- 6-78	407.1 / S-4465/PEE

FIGURE 7.1.1.2

CORRESPONDENCE INPUT BRIEF OUTPUT

INCOMING MAIL INPUT DATE 12- 6-78

	SUBJECT / AUTHOR/SOURCE	TO	ROUTING	DOCUMENT DATE	FILE SYSTEM CODE TYPE/LETTER NUMBER
1.	SCOUT/WFC FIELD OPERATIONS DAILY WORK SCHEDULE 12/6/78 DAWSON, C. M.	WINTERS, C. W.; DUNCAN, DEARING	ALL/ / /	12- 6-78 / /	405.10 / MFX
2.	VC/VAFB OPERATIONS DAILY WORK SCHEDULE 12/6/78 HALE, C. F.	WINTERS, C. W.; DEARING, J. D.	CWW/JDD/JBT/	12- 6-78 / /	403.9 / MFX
3.	VC/WFC DAILY STATUS VEHICLE S-202C DAWSON, C. M.	AILOR, S. J.	ALL/ / /	12- 6-78 / /	131-202 / MFX 820/FDC
4.	RESEARCH & TECHNOLOGY ANNUAL REPORT KRIEGER, R. L. WFC	NASA-HDQTS.; SPO	LRF/ / /	11- 7-78 / /	405.1 / LETTER
5.	LIST JOB-ORDERS CLOSED EFFECTIVE PAY-PERIOD ENDING 12/2/78 WILSON, J. H.	SPO	NHT/AY /DEF/	12- 1-78 / /	509.4.1 / MEMO
6.	NAS1-11859 REQUEST MODIFICATION ESTIMATED COST $10692 OCHS, F. I. THIOKOL CORP.	SPO	AAO/JVC/BEQ/	11-17-78 / /	652.8 / CA-FO-1312-1410CCN
7.	CSD PROPOSAL 78-8078 ENVIRONMENTAL CONTROL ALGOL-III ROCKET-MTS ROBERTS, E. CSD	SPO	AAO/JVC/BEQ/	11-30-78 / /	652.6.1.8 / ER271-78
8.	SCOUT PROJECT MANAGEMENT REPORT OVERMAN, B. L.	SPO	ALL/ / /	11-30-78 / /	576 / REPORT
9.	AUTHORIZATION SHIPMENT REMOVAL BONDED STORES GOVERNMENT PROPERTY YAMAMOTO, A. REMO	NAVPRO, SPO	SJA/DCM/JDD/	12- 1-78 / /	514.2.1 / MEMO

FIGURE 7.1.1.2

CORRESPONDENCE INPUT

BRIEF OUTPUT

OUTGOING MAIL

INPUT DATE 12- 6-78

SUBJECT . AUTHOR/SOURCE	TO	ROUTING	DOCUMENT DATE	FILE SYSTEM CODE TYPE/LETTER NUMBER
1. DATA PRINTER RIBBONS MODIFICATION PR 8300.0833 KEYNTON, R. J.	CANNON, L. PROC.	RJK/ / / / /	12- 5-78 / /	115.2 / MEMO

FIGURE 7.1.1.2

7.1.2 SEARCH MODE FOR CORRESPONDENCE

Outputs resulting from the SEARCH MODE are a special listing of document records found containing a desired data item. These outputs are printed on the user terminal and on the high speed printer. All outputs contain a header indicating the data item being searched and a description of the other data items to be displayed.

The Print All search displays data items common to all search outputs: subject, document/letter number, file system code, input date, and the daily counter code. See Figures 7.1.2.1 and /.1.2.2.

The Action Due search displays two additional data items in its outputs: responsible engineer and action due date. See Figures 7.1.2.23 and 7.1.2.24.

The remaining search outputs display one additional data item; the referenced documents. If there are no referenced documents, NONE is printed. See Figures 7.1.2.3 thru /.1.2.22.

CORRESPONDENCE

PRINT ALL SEARCH

TERMINAL OUTPUT

```
**********************************************************************
*                                PRINT ALL                           *
* SUBJECT                                                            *
* TYPE/LETTER NUMBER     FILE SYSTEM CODE        INPUT DATE-CODE     *
**********************************************************************

 ESTABLISHM  LAMINR  FLOW-CONTR  AIRFOIL EXPERIMENT  OFFICE
 ANNOUNCE #29-78         545.2      /                 8-21-78   20

 FEDERAL WAGE  SYSTEM  REVISED REGULAR WAGE-RATE SCHEDULE
 ANNOUNCE #27-78         545.2      /                 8-24-78   26

 GATE  TRAFFIC CHANGE
 ANNOUNCE 30-78          545.2      /                 8-25-78   18

 NEW-POSTAL  SERVICE MAIL-SIZE STANDARDS
 ANNOUNCE #31-78         545.2      /                 9- 1-78   19

 PEDESTRIANCS RIGHT OF-WAY MARKED CROSSWALKS
 ANNOUNCE 32-78          545.2      /                 9- 6-78   10

 CHANGE PERSONNEL ASSIGNMENT SPACE SYSTEMS DIVISION
 ANNOUNCE #34-78         545.2      /                 9-20-78   19

 STATE CENTER ADDRESS
 ANNOUNCE #33-78         545.2      /                 9-20-78   22

 NASA-WIDE PROGRAM STANDARDIZE PAPER SIZE
 ANNOUNCE #35-78         545.2      /                 9-22-78   11

 ANNUAL HONOR AWARDS CEREMONY 11/9/78
 ANNOUNCE #36-78         545.2      /                 9-28-78    9

 CHANGES PERSONNEL ASSIGNMENTS PROJECTS DIRECTORATE
 ANNOUNCE #38-78         545.2      /                10- 3-78   19

 PLANS CLOSING CENTER FACILITIES DURING THANKSGIVING CHRISTMAS
 ANNOUNCE #37-78         545.2      /                10- 3-78   20

 CHANGE PERSONNEL ASSIGNMENT OFFICE DIRECTOR
 ANNOUNCE #40-78         545.2      /                10-31-78   16

 GATE TRAFFIC CHANGE
 ANNOUNCE #41-78         545.2      /                11- 2-78   24

 REPORTING FOREIGN GIFTS DECORATIONS INCLUDING TRAVEL NMI1030.1B
 ANNOUNCE #42-78         545.2      /                11- 8-78   17

 CHANGES ORGANIZATION PERSONNEL ASSIGNMENTS WITHIN PROCUREMENT DIVISION
 ANNOUNCE # 44-78        545.2      /                11-16-78    8
```

FIGURE 7.1.2.1

CORRESPONDENCE: PRINT ALL SEARCH: PRINTER OUTPUT

11: 50 11/30/78

PRINT ALL

SUBJECT	TYPE/LETTER NUMBER	FILE SYSTEM CODE	DATE-CODE
1.ESTABLISHM LAMINR FLOW-CONTR AIRFOIL EXPERIMENT OFFICE	ANNOUNCE #29-78	545.2 /	82178 20
2.FEDERAL WAGE SYSTEM REVISED REGULAR WAGE-RATE SCHEDULE	ANNOUNCE #27-78	545.2 /	82478 26
3.GATE TRAFFIC CHANGE	ANNOUNCE 30-78	545.2 /	82578 18
4.NEW-POSTAL SERVICE MAIL-SIZE STANDARDS	ANNOUNCE #31-78	545.2 /	9 178 19
5.PEDESTRIANCS RIGHT OF-WAY MARKED CROSSWALKS	ANNOUNCE 32-78	545.2 /	9 678 10
6.CHANGE PERSONNEL ASSIGNMENT SPACE SYSTEMS DIVISION	ANNOUNCE #34-78	545.2 /	92078 19
7.STATE CENTER ADDRESS	ANNOUNCE #33-78	545.2 /	92078 22
8.NASA-WIDE PROGRAM STANDARDIZE PAPER SIZE	ANNOUNCE #35-78	545.2 /	92278 11
9.ANNUAL HONOR AWARDS CEREMONY 11/9/78	ANNOUNCE #36-78	545.2 /	92878 9
10.CHANGES PERSONNEL ASSIGNMENTS PROJECTS DIRECTORATE	ANNOUNCE #38-78	545.2 /	10 378 19
11.PLANS CLOSING CENTER FACILITIES DURING THANKSGIVING CHRISTMAS	ANNOUNCE #37-78	545.2 /	10 378 28
12.CHANGE PERSONNEL ASSIGNMENT OFFICE DIRECTOR	ANNOUNCE #40-78	545.2 /	103178 16
13.GATE TRAFFIC CHANGE	ANNOUNCE #41-78	545.2 /	11 278 24
14.REPORTING FOREIGN GIFTS DECORATIONS INCLUDING TRAVEL NMI1030.1B	ANNOUNCE #42-78	545.2 /	11 878 17
15.CHANGES ORGANIZATION PERSONNEL ASSIGNMENTS WITHIN PROCUREMENT DIVISION	ANNOUNCE # 44-78	545.2 /	111678 8

FIGURE 7.1.2.2

CORRESPONDENCE

NASA RESPONSIBLE ENGINEER SEARCH

TERMINAL OUTPUT

```
**********************************************************************************
*                        NASA RESPONSIBLE ENGINEER:  RJK                         *
* SUBJECT                                                                        *
* TYPE/LETTER NUMBER      FILE SYSTEM CODE          INPUT DATE-CODE              *
* REFERENCED DOCUMENTS                                                           *
**********************************************************************************

 PREPARE OPERATING INSTRUCTIO  PROGRAMMER  MANUAL  ANALYSIS  II
 8300.0805                115.2      /              8- 3-78   31
 NONE

 MAINTENANCE SERVICE COMPUTER EQUIPMENT ONE-YEAR CONTRACT
 8300.0815                115.2      /              9-18-78   52
 NONE

 TERMINAL RIBBONS SPADS PRINTER
 8300.0816                115.2      /              9-18-78   53
 NONE

 PURCHASE SPACE MASTER MICROFICHE READER PRINTER 102610
 8300.0825                523.3.1    /              10-10-78  34
 NONE

 PROVIDE ADDITIONAL FUNDS HTC
 8300.0826                115.2      /              10-12-78  17
 NONE

 REPAIR DATAGRAPHIX TERMINAL
 8300.0829                115.2      /              10-13-78  24
 NONE

 LINE PRINTER RIBBON DATA PRINTER
 8300.0833                115.2      /              10-30-78  20
 NONE

THERE ARE          7 DOCUMENTS WITH A RESPONSIBLE ENGINEER OF RJK
```

FIGURE 7.1.2.3

CORRESPONDENCE: NASA RESPONSIBLE ENGINEER SEARCH: PRINTER OUTPUT

12: 23 11/30/78

NASA RESPONSIBLE ENGINEER: RJK

SUBJECT / REFERENCED DOCUMENTS	TYPE/LETTER NUMBER	FILE SYSTEM CODE		DATE-CODE
1.PREPARE OPERATING INSTRUCTIO PROGRAMMER MANUAL ANALYSIS II NONE	8300.0805	115.2	/	8 378 31
2.MAINTENANCE SERVICE COMPUTER EQUIPMENT ONE-YEAR CONTRACT NONE	8300.0815	115.2	/	91878 52
3.TERMINAL RIBBONS SPADS PRINTER NONE	8300.0816	115.2	/	91878 53
4.PURCHASE SPACE MASTER MICROFICHE READER PRINTER 102610 NONE	8300.0825	523.3.1	/	101878 34
5.PROVIDE ADDITIONAL FUNDS HTC NONE	8300.0826	115.2	/	101278 17
6.REPAIR DATAGRAPHIX TERMINAL NONE	8300.0829	115.2	/	101378 24
7.LINE PRINTER RIBBON DATA PRINTER NONE	8300.0833	115.2	/	103078 28

FIGURE 7.1.2.4

CORRESPONDENCE

WHO TO SEARCH

TERMINAL OUTPUT

```
**********************************************************************
*                    WHO TO:  REW, W. E.                             *
* SUBJECT                                                            *
* TYPE/LETTER NUMBER      FILE SYSTEM CODE        INPUT DATE-CODE    *
* REFERENCED DOCUMENTS                                               *
**********************************************************************

 PROPOSED  MODIFICATI  2 ADDITIONAL  TECHNICAL SUPPORT
 MEMO #454             652.6.1.8 /              8-30-78    7
 CSD PRO 78-8062

 PROPOSED MODIFICATION MANUFACTURING NOZZLE INSERT BILLETS
 MEMO #455             621.6     /              9- 8-78   30
 NONE

 TASK-ASSGN #5 ADDITIONAL EFFORT PERIOD PERFORMANCE EXTENSION
 MEMO #456             648.5.1   /              9-12-78   16
 NONE

 L-68203A HAAP STORAGE FACILITIES ROCKET MOTORS REQ-EXTEN
 MEMO #457             1830      /              9-19-78   17
 NONE

 REVISED PROPOSAL CASTOR-IIA ROCKET MOTORS ASSOCIATED EFFORT
 MEMO #458             683.6.1.8 /              9-19-78   18
 V19000/8NAS-328

 PROCUREMENT ADDITIONAL ALTAIR-III ROCKET MOTOR
 MEMO #459             683.6.1.8 /              9-20-78   24
 V19000/8NAS-327

 SCOUT GUIDNACE SYSTEM
 MEMO #460             681.6.1.8 /              9-20-78   25
 2-65000/8L-113

 THERE ARE     7 DOCUMENTS WITH AN ADDRESSEE OF
REW, W. E.
```

FIGURE 7.1.2.5

CORRESPONDENCE: WHO TO SEARCH: PRINTER OUTPUT

13: 9 11/30/78

WHO TO: RFW. W. E.

SUBJECT REFERENCED DOCUMENTS	TYPE/LETTER NUMBER	FILE SYSTEM CODE	DATE-CODE
1.PROPOSED MODIFICATI 2 ADDITIONAL TECHNICAL SUPPORT CSD PRO 78-8062	MEMO #454	652.6.1.8 /	83078 7
2.PROPOSED MODIFICATION MANUFACTURING NOZZLE INSERT BILLETS NONE	MEMO #455	621.6 /	9 878 30
3.TASK-ASSGN #5 ADDITIONAL EFFORT PERIOD PERFORMANCE EXTENSION NONE	MEMO #456	648.5.1 /	91278 16
4.L-68203A HAAP STORAGE FACILITIES ROCKET MOTORS REQ-EXTEN NONE	MEMO #457	1830 /	91978 17
5.REVISED PROPOSAL CASTOR-IIA ROCKET MOTORS ASSOCIATED EFFORT V19000/8NAS-328	MEMO #458	683.6.1.8 /	91978 18
6.PROCUREMENT ADDITIONAL ALTAIR-III ROCKET MOTOR V19000/8NAS-327	MEMO #459	683.6.1.8 /	92078 24
7.SCOUT GUIDNACE SYSTEM 2-65000/8L-113	MEMO #460	681.6.1.8 /	92078 25

FIGURE 7.1.2.6

CORRESPONDENCE

DOCUMENT DATE SEARCH

TERMINAL OUTPUT

```
**********************************************************************************
*                                DOCUMENT DATE:  11- 0-78                        *
* SUBJECT                                                                        *
* TYPE/LETTER NUMBER      FILE SYSTEM CODE        INPUT DATE-CODE                *
* REFERENCED DOCUMENTS                                                           *
**********************************************************************************

 SCOUT PROJECT MANAGEMENT REPORT
 REPORT                    576       /                  11- 7-78   13
 NONE

 FLIGHT PROJECTS DIRECT MANPOWER
 REPORT                    540.1     /                  11-21-78   18
 NONE

 RESOURCES AUTHORITY WARRANT LRC-MSO PERSONNEL VAFB FY-1979
 R. A. W. FORM506A         509.2     /                  11-29-78   19
 NONE

THERE ARE          3 DOCUMENTS WITH A DOCUMENT DATE OF 11- 0-78
```

FIGURE 7.1.2.7

CORRESPONDENCE: DOCUMENT DATE SEARCH: PRINTER OUTPUT

12: 53 11/30/78

DOCUMENT DATE: 11- 0-78

SUBJECT REFERENCED DOCUMENTS	TYPE/LETTER NUMBER	FILE SYSTEM CODE		DATE-CODE
1.SCOUT PROJECT MANAGEMENT REPORT NONE	REPORT	576	/	11 778 13
2.FLIGHT PROJECTS DIRECT MANPOWER NONE	REPORT	540.1	/	112178 18
3.RESOURCES AUTHORITY WARRANT LRC-MSO PERSONNEL VAFB FY-1979 NONE	R. A. W. FORM506A	509.2	/	112978 19

FIGURE 7.1.2.8

CORRESPONDENCE

CONTRACT NUMBER SEARCH

TERMINAL OUTPUT

```
**********************************************************************
*                        CONTRACT NUMBER:  NAS1-15100                *
* SUBJECT                                                            *
* TYPE/LETTER NUMBER     FILE SYSTEM CODE        INPUT DATE-CODE     *
* REFERENCED DOCUMENTS                                               *
**********************************************************************

 TRANSMITTAL EO-51158 (EGSE) REL-SPEC 305-459 APPROVAL
 2-94000/8L-4190          682.4.2    /              11- 2-78    14
 NONE

 FINANCIAL MANAGEMENT REPORT REFLECTING EXPENDITURES THROUGH 10/1/78
 2-65000/8L-150           682.11.5   /              11- 2-78    19
 NONE

 TASK-R-120 ALGOL-IIC MOTOR SHELF-LIFE EXTENSION FLIGHT WORTHINESS
 SL-3660/AAO              682/R      /              11- 2-78     5
 NONE

 TASK-R-18 APPROVAL SEI-4278  STORAGE BASE-10 PCM-SIGNAL CONDITIONING
 S-4422/CSL               302.7      /              11- 2-78     7
 2-94000/8L-4117

 TASK-R-90 APPROVAL TASK SUMMARY BURST COUPON TEST
 S-4425/DEG               682.5.1    /              11- 2-78     8
 2-94000/8L-4140

 TASK-R-44 APPROVAL THIOKOL ANTARES III DOCUMENT TEST-PLAN
 S-4426/DEG               682.15.3   /              11- 2-78     9
 2-94000/8L-4139

 TASK-R-90 APPROVAL 23DIR2071 RESULTS BURST COUPON TESTS
 S-4427/DEG               302.2      /              11- 2-78    10
 2-94000/8L-4136

THERE ARE          7 DOCUMENTS WITH A CONTRACT NUMBER OF NAS1-15100
```

FIGURE 7.1.2.9

CORRESPONDENCE: CONTRACT NUMBER SEARCH: PRINTER OUTPUT

12: 27 11/30/78

CONTRACT NUMBER: NAS1-15100

SUBJECT REFERENCED DOCUMENTS	TYPE/LETTER NUMBER	FILE SYSTEM CODE	DATE-CODE
1.TRANSMITTAL FO-51158 (EGSE) REL-SPEC 305-459 APPROVAL NONE	2-94000/8L-4190	682.4.2 /	11 278 14
2.FINANCIAL MANAGEMENT REPORT REFLECTING EXPENDITURES THROUGH 10/1/78 NONE	2-65000/8L-150	682.11.5 /	11 278 19
3.TASK-R-120 ALGOL-IIC MOTOR SHELF-LIFE EXTENSION FLIGHT WORTHINESS NONE	SL-3660/AAO	682/R /	11 278 5
4.TASK-R-18 APPROVAL SEI-4278 STORAGE BASE-10 PCM-SIGNAL CONDITIONING 2-94000/8L-4117	S-4422/CSL	302.7 /	11 278 7
5.TASK-R-90 APPROVAL TASK SUMMARY BURST COUPON TEST 2-94000/8L-4140	S-4425/DEG	682.5.1 /	11 278 8
6.TASK-R-44 APPROVAL THIOKOL ANTARES III DOCUMENT TEST-PLAN 2-94000/8L-4139	S-4426/DEG	682.15.3 /	11 278 9
7.TASK-R-90 APPROVAL 23DIR2071 RESULTS BURST COUPON TESTS 2-94000/8L-4136	S-4427/DEG	302.2 /	11 278 18

FIGURE 7.1.2.10

CORRESPONDENCE

W.A. NUMBER/ID CODE SEARCH

TERMINAL OUTPUT

```
**********************************************************************************
*                          W.A. NUMBER/ID CODE:. 3525                            *
* SUBJECT                                                                        *
* TYPE/LETTER NUMBER     FILE SYSTEM CODE        INPUT DATE-CODE                 *
* REFERENCED DOCUMENTS                                                           *
**********************************************************************************

 TRANSMITTAL SOF-INTERIM CHANGES ICN#-1-202
 2-94000/8L-4214                    /              11- 8-78    2
 NONE

 GIDEP ALERT STATUS WORK SHEETS REVISED PAGES ONLY
 2-94000/8L-4215                    /              11- 8-78    3
 NONE

 23DIR2001 PRE-FLIGHT SEQUENCE EVENTS GUIDANCE PROGRAM S-202C
 2-94000/8L-4216        302.2       /              11- 8-78    4
 NONE

 CHANGE REQUEST MONTHLY STATUS REPORT ENDING 10/31/78
 2-94000/8L-4218                    /              11- 9-78    6
 NONE

 TRANSMITTAL DEO-50733 (ELEC) AGNST-DWG 23-002085 REV-Y
 2-94000/8L-4219        681.22      /              11- 9-78    7
 NONE

 SEI-4127 25-SERIES E-SECTION PRE-SHIPPING SPECIAL INSPECTION 10/27/78
 2-94000/8L-4220        302.7       /              11- 9-78    8
 NONE

 2-94000 8R-26 SEMI-MONTHLY NARRATIVE STATUS PRESENTATION
 2-94000/8L-4165        681.11.1    /              11- 9-78   13
 NONE

THERE ARE          7 DOCUMENTS WITH A W.A. NUMBER/ID. CODE OF 3525
```

FIGURE 7.1.2.11

CORRESPONDENCE: W.A. NUMBER/ID CODE SEARCH: PRINTER OUTPUT

12: 49 11/30/78

W.A. NUMBER/ID CODE: 3525

SUBJECT REFERENCED DOCUMENTS	TYPE/LETTER NUMBER	FILE SYSTEM CODE		DATE-CODE
1.TRANSMITTAL SOP-INTERIM CHANGES ICN#-1-202 NONE	2-94000/8L-4214		/	11 878 2
2.GIDIP ALERT STATUS WORK SHEETS REVISED PAGES ONLY NONE	2-94000/8L-4215		/	11 878 3
3.23DIR2001 PRE-FLIGHT SEQUENCE EVENTS GUIDANCE PROGRAM S-202C NONE	2-94000/8L-4216	302.2	/	11 878 4
4.CHANGE REQUEST MONTHLY STATUS REPORT ENDING 10/31/78 NONE	2-94000/8L-4218		/	11 978 6
5.TRANSMITTAL DEO-50733 (ELEC) AGNST-DWG 23-002085 REV-Y NONE	2-94000/8L-4219	681.22	/	11 978 7
6.SEI-4127 25-SERIES E-SECTION PRE-SHIPPING SPECIAL INSPECTION 10/27/78 NONE	2-94000/8L-4220	302.7	/	11 978 8
7.2-94000 8R-26 SEMI-MONTHLY NARRATIVE STATUS PRESENTATION NONE	2-94000/8L-4165	681.11.1	/	11 978 13

FIGURE 7.1.2.12

CORRESPONDENCE

AUTHOR/SOURCE SEARCH

TERMINAL OUTPUT

```
**********************************************************************
*                AUTHOR/SOURCE:  KEYNTON, R. J.                      *
* SUBJECT                                                            *
* TYPE/LETTER NUMBER      FILE SYSTEM CODE        INPUT DATE-CODE    *
* REFERENCED DOCUMENTS                                               *
**********************************************************************

 PURCHASE  ORDER-SCOU  ANALYSIS  II-FINAN  REPORTING PROGRAM WYLE-LAB
 MEMO                  115.2     /                 8- 3-78   11
 NONE

 SELECTION MICROFICHE READER PRINTER SPO
 MEMO                  535.7     /                 10-10-78  29
 NONE

 FLIGHT SCOUT S-201C HCMM
 MEMO                  131-201   /                 10-17-78  11
 AWARD PLAN 71277

 TASK-D  LATE  SUBMISSION  S-201 FINAL FLIGHT  REPORT
 S-4238/RJK            131-201   /                 8-30-78   10
 2-94000/8T-152

 TASK-D APPROVAL S-201 FINAL FLIGHT REPORT
 S-4356/RJK            131-201   /                 10-16-78   3
 2-94000/8L-4024

 THERE ARE    5 DOCUMENTS WITH A AUTHOR/SOURCE OF
KEYNTON, R. J.
```

FIGURE 7.1.2.13

CORRESPONDENCE: AUTHOR/SOURCE SEARCH: PRINTER OUTPUT

12: 20 11/30/78

AUTHOR/SOURCE: KEYNTON, R. J.

SUBJECT REFERENCED DOCUMENTS	TYPE/LETTER NUMBER	FILE SYSTEM CODE	DATE-CODE
1.PURCHASE ORDER-SCOU ANALYSIS II-FINAN REPORTING PROGRAM WYLE-LAB NONE	MEMO	115.2 /	8 378 11
2.SELECTION MICROFICHE READER PRINTER SPO NONE	MEMO	535.7 /	101078 29
3.FLIGHT SCOUT S-201C HCMM AWARD PLAN 71277	MEMO	131-201 /	101778 11
4.TASK-D LATE SUBMISSION S-201 FINAL FLIGHT REPORT 2-94000/8T-152	S-4238/RJK	131-201 /	83078 10
5.TASK-D APPROVAL S-201 FINAL FLIGHT REPORT 2-94000/8L-4024	S-4356/RJK	131-201 /	101678 3

FIGURE 7.1.2.14

CORRESPONDENCE

DOCUMENT/LETTER NUMBER SEARCH

TERMINAL OUTPUT

```
**********************************************************************
*                    DOCUMENT/LETTER NUMBER:  2-94000/8L-4270        *
* SUBJECT                                                            *
* TYPE/LETTER NUMBER     FILE SYSTEM CODE        INPUT DATE-CODE     *
* REFERENCED DOCUMENTS                                               *
**********************************************************************

 TASK SUMMARY SAGE SPACECRAFT RELATED EFFORT 11/21/78
 2-94000/8L-4270         682.5.1   /              11-27-78   13
 NONE

THERE ARE          1 DOCUMENTS WITH DOCUMENT / LETTER NUMBER OF 2-94000/8L-4270
```

FIGURE 7.1.2.15

CORRESPONDENCE: DOCUMENT/LETTER NUMBER SEARCH: PRINTER OUTPUT

13: 48 11/30/78

DOCUMENT/LETTER NUMBER: 2-94000/8L-4270

SUBJECT REFERENCED DOCUMENTS	TYPE/LETTER NUMBER	FILE SYSTEM CODE	DATE-CODE
1.TASK SUMMARY SAGE SPACECRAFT RELATED EFFORT 11/21/78 NONE	2-94000/8L-4270	682.5.1 /	112778 13

FIGURE 7.1.2.16

CORRESPONDENCE

INPUT DATE SEARCH

TERMINAL OUTPUT

```
**********************************************************************************
*                                INPUT DATE:  10-31-78                           *
* SUBJECT                                                                        *
* TYPE/LETTER NUMBER     FILE SYSTEM CODE         INPUT DATE-CODE                *
* REFERENCED DOCUMENTS                                                           *
**********************************************************************************

 NASA-DEFENSE PURCHASE REQUEST 11-BRISTOL SEVEN-DAY TEMPERATURE RECORDING
 L-68203A                800.1      /                10-31-78   17
 NONE

 NASA-DEFENSE PURCHASE REQUEST RANGE SERVICE FY-1979
 L-86492A                800.1      /                10-31-78   18
 NONE

 NASA-DEFENSE PURCHASE REQUEST MAGSAT RANGE SERVICE FY-1979
 L-86493A                800.1      /                10-31-78   19
 NONE

 NASA-DEFENSE PURCHASE REQUEST FUNDING FY-1979 UTILITY REQUIREMENTS
 L-86494A                800.1      /                10-31-78   20
 NONE

THERE ARE          4 DOCUMENTS WITH A DATE OF 10-31-78
```

FIGURE 7.1.2.17

CORRESPONDENCE: INPUT DATE SEARCH: PRINTER OUTPUT

12: 51 11/30/78

INPUT DATE: 10-31-78

SUBJECT / REFERENCED DOCUMENTS	TYPE/LETTER NUMBER	FILE SYSTEM CODE	DATE-CODE
1.NASA-DEFENSE PURCHASE REQUEST 11-BRISTOL SEVEN-DAY TEMPERATURE RECORDING NONE	L-68203A	800.1 /	103178 17
2.NASA-DEFENSE PURCHASE REQUEST RANGE SERVICE FY-1979 NONE	L-86492A	800.1 /	103178 18
3.NASA-DEFENSE PURCHASE REQUEST MAGSAT RANGE SERVICE FY-1979 NONE	L-86493A	800.1 /	103178 19
4.NASA-DEFENSE PURCHASE REQUEST FUNDING FY-1979 UTILITY REQUIREMENTS NONE	L-86494A	800.1 /	103178 20

FIGURE 7.1.2.18

CORRESPONDENCE

SUBJECT SEARCH

TERMINAL OUTPUT

```
**************************************************************************
*                    SUBJECT:  WFC        INCORPORAT                     *
* SUBJECT                                                                *
* TYPE/LETTER NUMBER     FILE SYSTEM CODE        INPUT DATE-CODE         *
* REFERENCED DOCUMENTS                                                   *
**************************************************************************

 WFC INCORPORATION EO-51380 S-202
 TWX #2088              .131-202   /              11-22-78    2
 NONE

 WFC INCORPORATION SEI&EO S-202
 TWX #2087              131-202    /              11-22-78    3
 NONE

 WFC INCORPORATION EO-50655 S-202
 TWX #2096              131-202    /              11-22-78    4
 NONE

 WFC INCORPORATION EO-50200 50201 51498 ON-S-202
 2102                   131-202    /              11-27-78   32
 NONE
```

FIGURE 7.1.2.19

CORRESPONDENCE: SUBJECT SEARCH: PRINTER OUTPUT

13: 54 11/30/78

SUBJECT: WFC INCORPORAT

SUBJECT REFERENCED DOCUMENTS	TYPE/LETTER NUMBER	FILE SYSTEM CODE	DATE-CODE
1.WFC INCORPORATION EO-51380 S-202 NONE	TWX #2088	131-202 /	112278 2
2.WFC INCORPORATION SFI&EO S-202 NONE	TWX #2087	131-202 /	112278 3
3.WFC INCORPORATION EO-50655 S-202 NONE	TWX #2096	131-202 /	112278 4
4.WFC INCORPORATION EO-50200 50201 51498 ON-S-202 NONE	2102	131-202 /	112778 32

FIGURE 7.1.2.20

CORRESPONDENCE

MAIL STATUS SEARCH

TERMINAL OUTPUT

```
**********************************************************************************
*                          MAIL STATUS:  VC                                      *
*                                                                                *
* SUBJECT                                                                        *
* TYPE/LETTER NUMBER      FILE SYSTEM CODE         INPUT DATE-CODE               *
* REFERENCED DOCUMENTS                                                           *
**********************************************************************************

 TASK-R-121 ALTAIR IIIA EXIT CONE INVESTIGATION
 TWX                     682/R      /                 11- 1-78     1
 NONE

 MAGSAT HEATSHIELD CLEARANCE
 S-4367/LRT              243.3      /                 11- 1-78     2
 NONE

 L-68203A SHIPMENT ALGOL-II ROCKET MOTORS
 S-4423/PEE              1830       /                 11- 1-78     3
 NONE

 TASK-R-45 ANTARES III-CASE STRUCTURAL TEST
 S-4424/EEH              682//R     /                 11- 1-78     4
 2-51100/8R-23063

 TRANSMITTAL VOUGHT WORK AUTHORIZATIONS
 2-94000/8L-4185                    /                 11- 1-78     5
 NONE

 TASK-R-18E PCM TELEMETRY PACKAGE DEVELOPMENT
 SL-3654/AA0             682/R      /                 11- 1-78    11
 SL-3716/AA0         2-94000/8T-181       2-94000/8T-171

 VC/VAFB OPERATIONS DAILY WORK SCHEDULE 11/1/78
 TWX                     403.9      /                 11- 1-78    16
 NONE

THERE ARE          7 DOCUMENTS WITH A MAIL STATUS OF VC
```

FIGURE 7.1.2.21

CORRESPONDENCE: MAIL STATUS SEARCH: PRINTER OUTPUT

12: 11 11/30/78

MAIL STATUS: VC

SUBJECT REFERENCED DOCUMENTS	TYPE/LETTER NUMBER	FILE SYSTEM CODE		DATE-CODE
1.TASK-R-121 ALTAIR IIIA EXIT CONE INVESTIGATION NONE	TWX	682/R	/	11 178 1
2.MAGSAT HEATSHIELD CLEARANCE NONE	S-4367/LRT	243.3	/	11 178 2
3.L-68203A SHIPMENT ALGOL-II ROCKET MOTORS NONE	S-4423/PEE	1830	/	11 178 3
4.TASK-R-45 ANTARES III-CASE STRUCTURAL TEST 2-51100/8R-23063	S-4424/EEH	682//R	/	11 178 4
5.TRANSMITTAL VOUGHT WORK AUTHORIZATIONS NONE	2-94000/8L-4185		/	11 178 5
6.TASK-R-18E PCM TELEMETRY PACKAGE DEVELOPMENT SL-3716/AAO 2-94000/8T-181 2-94000/8T-171	SL-3654/AAO	682/R	/	11 178 11
7.VC/VAFB OPERATIONS DAILY WORK SCHEDULE 11/1/78 NONE	TWX	403.9	/	11 178 16

FIGURE 7.1.2.22

CORRESPONDENCE

ACTION DUE DATE SEARCH

TERMINAL OUTPUT

```
**********************************************************************
*                              ACTION DUE DATE
* SUBJECT
* TYPE/LETTER NUMBER      FILE SYSTEM CODE         INPUT DATE-CODE
* AUTHOR / SOURCE         RESPONSIBLE ENGINEER     DUE DATE
**********************************************************************

 TRANSMITTAL VOUGHT-SOP MARK-UPS #M818-15 PROCEDURE #6-3-13
 2-94000/8L-4217         409.1     /                11- 9-78    5
 HORNE, R. C.                      TLO              12- 4-78

 23DIR1996 PRE-FLIGHT WEIGHT REPORT S-202 PAYLOAD SAGE
 2-94000/8L-4227         302.2     /                11-15-78    2
 URASH, R. G.                      RJK              12-11-78

 23DIR2079 PRE-FLIGHT WIND RESTRICTIONS S-202-SAGE MISSION 11/6/78
 2-94000/8L-4228         302.2     /                11-15-78    3
 URASH, R. G.                      RJK              12-11-78

 23DIR2080 PRE-FLIGHT CONTROL SYSTEM SETTINGS HYDROGEN PEROXIDE
 2-94000/8L-4229         302.2     /                11-15-78    4
 URASH, R. G.                      RJK              12-11-78

 TRANSMITTAL EO-51169 (GUID) REL-SPECS APPROVAL
 2-94000/8L-4233         681.4     /                11-15-78    5
 HORNE, R. C.                      DMF              12-11-78

 SCOUT SYSTEMS R&D TECHNICAL MANAGEMENT
 2-65000/8T-3            682/R-120 /                11-16-78    5
 URASH, R. G.                      JVC              11-30-78

 EO-51157 (RCS) REL-SPEC 304-600A AMEND#2 FOR APPROVAL
 2-94000/8L-4243         681.4.1   /                11-21-78    6
 HORNE, R. C.                      TLO              12-11-78

 3-15000/5R 240 CONFIGURATION MANAGEMENT PLAN 11/1/78
 2-94000/8L-4245         681.22    /                11-21-78    7
 URASH, R. G.                      CWW              12-12-78

 EO-51377 (PROP) AGNST-DWGS FOR APPROVAL
 2-94000/8L-4247         681.22    /                11-21-78    9
 HORNE, R. C.                      RPP              12-12-78

 TASK-PLAN MAGSAT SPACECRAFT RELATED EFFORT
 2-94000/8L-4256         682.5.1   /                11-22-78   15
 HORNE, R. .                       TLO              12-15-78

 TRANSMITTAL EO'S-AGNST DRAWING FOR APPROVAL
 2-94000/8L-4260         682.22    /                11-27-78    8
 HORNE, R. C.                      DMF              12-20-78
```

FIGURE 7.1.2.23

CORRESPONDENCE: ACTION DUE DATE SEARCH: PRINTER OUTPUT

12: 23 12/04/78

ACTION DUE DATE SUBJECT AUTHOR / SOURCE	TYPE/LETTER NUMBER RESPONSIBLE ENGINEER	FILE SYSTEM CODE		DATE-CODE DATE-DUE	
1.TRANSMITTAL VOUGHT-SOP MARK-UPS #M818-15 PROCEDURE #6-3-13 HORNE, R. C.	2-94000/8L-4217 TLO	409.1	/	11 978 12 478	5
2.23DIR1996 PRE-FLIGHT WEIGHT REPORT S-202 PAYLOAD SAGE URASH, R. G.	2-94000/8L-4227 RJK	302.2	/	111578 121178	2
3.23DIR2079 PRE-FLIGHT WIND RESTRICTIONS S-202-SAGE MISSION 11/6/78 URASH, R. G.	2-94000/8L-4228 RJK	302.2	/	111578 121178	3
4.23DIR2080 PRE-FLIGHT CONTROL SYSTEM SETTINGS HYDROGEN PEROXIDE URASH, R. G.	2-94000/8L-4229 RJK	302.2	/	111578 121178	4
5.TRANSMITTAL EO-51169 (GUID) REL-SPECS APPROVAL "HORNE, R. C.	2-94000/8L-4233 DMF	681.4	/	111578 121178	5
6.SCOUT SYSTEMS R&D TECHNICAL MANAGEMENT URASH, R. G.	2-65000/8T-3 JVC	682/R-120	/	111678 113078	5
7.EO-51157 (RCS) REL-SPEC 304-600A AMEND#2 FOR APPROVAL HORNE, R. C.	2-94000/8L-4243 TLO	681.4.1	/	112178 121178	6
8.3-15000/5R 248 CONFIGURATION MANAGEMENT PLAN 11/1/78 URASH, R. G.	2-94000/8L-4245 CWW	681.22	/	112178 121278	7
9.EO-51377 (PROP) AGNST-DWGS FOR APPROVAL HORNE, R. C.	2-94000/8L-4247 RPP	681.22	/	112178 121278	9
10.TASK-PLAN MAGSAT SPPCECRAFT RELATED EFFORT HORNE, R. .	2-94000/8L-4256 TLO	682.5.1	/	112278 121578	15
11.TRANSMITTAL EO*S-AGNST DRAWING FOR APPROVAL HORNE, R. C.	2-94000/8L-4260 DMF	682.22	/	112778 122078	8

FIGURE 7.1.2.24

7.2 DESIGN INFORMATION RELEASE/REPORT - OUTPUT FORMATS

Outputs produced while operating within the DIR/REPORT subfile can only result during the SEARCH mode.

7.2.1 SEARCH MODE FOR DIR

Outputs resulting from the SEARCH MODE are a special listing of document records found containing a desired data item. These outputs are printed on the user terminal and on the high speed printer. All outputs are identical regardless of where the records are displayed. All outputs display the entire nine items within the DIR/REPORT document record. See Figure 7.2.1.1.

DESIGN INFORMATION RELEASE/REPORT

TERMINAL AND PRINTER SEARCH OUTPUTS

```
(1) TITLE
SCOUT TRAJECTORY  DATA  ILLUSTRATI  QUATERNION  GUIDANCE  EFFECTS
(2) DIR/REPORT NUMBER  (8) REVISION
23DIR1992              REV A
(3) DOCUMENT DATE      (9) REVISION DATE
 1-19-78                1-19-78
(4) SYSTEM
GUID TRAJ PERF
(5) W.A. NUMBER/ID CODE
3526RGAE
(6) CONTRACT NUMBER
NAS1-15100
(7) VEHICLE
  0     0
```

```
(1) TITLE
PRELIMINAR  WEIGHT  DATA  ADVANCED  SCOUT CONFIGURAT
(2) DIR/REPORT NUMBER  (8) REVISION
23DIR1099
(3) DOCUMENT DATE      (9) REVISION DATE
 9-19-70                0- 0- 0
(4) SYSTEM
MECH
(5) W.A. NUMBER/ID CODE
3262EAAC
(6) CONTRACT NUMBER
NAS1-7256
(7) VEHICLE
  0     0
```

FIGURE 7.2.1.1

7.3 DRAWING/ENGINEERING ORDER - OUTPUT FORMATS

Outputs produced while operating within the drawing or engineering order subfile may result during two modes: INPUT and SEARCH.

7.3.1 INPUT MODE FOR DRAWING/E.O.

Output resulting from the INPUT MODE is a special message displayed on the user terminal regarding the status of a particular drawing sheet. This occurs while inputting a new engineering order on a drawing sheet. If the sheet has three or more E.O.'s already assigned, one of three possible messages will be displayed to the user. See Figure 7.3.1.1.

DRAWING/ENGINEERING ORDER

E.O. INPUT

TERMINAL OUTPUT

MESSAGE #1

```
**************************************************
WARNING!!! SHEET#  2. 0 FOR DRAWING 23 000087
           NOW HAS FOUR E.O.'S
**************************************************
```

MESSAGE #2

```
**************************************************
ATTENTION!!! SHEET#  2. 0 FOR DRAWING 23 000087
NOW HAS THE MAXIMUM ALLOWABLE OF FIVE E.O.'S
**************************************************
```

MESSAGE #3

```
*********************************************************************
ATTENTION!!!  IMPORTANT!!!, REVISION PASTDUE!!  IMMEDIATE ACTION REQUIRED!!
SHEET# 1. 0 FOR DRAWING 23 000469      NOW HAS  7 E.O.'S
*********************************************************************
```

FIGURE 7.3.1.1

7.3.2 SEARCH MODE FOR DRAWING/E.O.

Outputs resulting from the SEARCH MODE are a special listing of drawing or drawing related records found containing a desired data item. These outputs are printed on the user terminal and on the high speed printer. All printer outputs contain a header indicating the data item being searched and a description of the other data items to be displayed. All drawing terminal outputs are displayed the same way with no headers using two options: Brief and Complete. The brief output only lists the E.O.'s for a drawing sheet whereas the complete output also gives additional information about each E.O. See Figure 7.3.2.1 for brief sample. See Figure 7.3.2.2 for complete sample. Terminal outputs for engineering order searches vary in the display of one field, VEHICLE NUMBER(S). The PRINT ALL and E.O. number searches do display the vehicle number. See Figure 7.3.2.3. The E.O. vehicle search does not display the vehicle number because it does not need to be repeated. See Figure 7.3.2.4.

The high speed printer drawing output also has the same two options: Brief and Complete. Figure 7.3.2.5 exhibits a drawing title search with the brief option and Figure 7.3.2.6 shows the same search with the complete option. Figures 7.3.2.7 through 7.3.2.15 show all other printer outputs using the brief option.

The high speed printer E.O. outputs all display the same data items. See Figure 7.3.2.16 through 7.3.2.18.

DRAWING/ENGINEERING ORDER

DRAWING TERMINAL OUTPUT

DRAWING TITLE SEARCH

BRIEF OUTPUT

```
      1. DRAWING TITLE
ADAPT RING TRANS SECT B
       DRAWING NUMBER 23 000039          DATE 10-27-78
        SHEET#  1        REV D
         1. V24818

      2. DRAWING TITLE
BUSHING HOIST RING TRAN SECT B
       DRAWING NUMBER 23 000119          DATE 10-27-78
        SHEET#  1        REV D
         1. V31123

      3. DRAWING TITLE
STUD HOIST RING TRANS SECT B
       DRAWING NUMBER 23 000121          DATE 10-27-78
        SHEET#  1        REV C

      4. DRAWING TITLE
RING AFT ATTACH TRANS SECT B
       DRAWING NUMBER 23 000122          DATE 10-27-78
        SHEET#  1        REV C
         1. V40081
```

FIGURE 7.3.2.1

DRAWING/ENGINEERING ORDER

DRAWING TERMINAL OUTPUT

DRAWING TITLE SEARCH

COMPLETE OUTPUT

```
      1. DRAWING TITLE
ADAPT RING TRANS SECT B
       DRAWING NUMBER 23 000039          DATE 10-27-78
        SHEET#  1          REV D
         1. V24818   REV NC      10-27-78

      2. DRAWING TITLE
BUSHING HOIST RING TRAN SECT B
       DRAWING NUMBER 23 000119          DATE 10-27-78
        SHEET#  1          REV D
         1. V31123   REV A       10-27-78

      3. DRAWING TITLE
STUD HOIST RING TRANS SECT B
       DRAWING NUMBER 23 000121          DATE 10-27-78
        SHEET#  1          REV C

      4. DRAWING TITLE
RING AFT ATTACH TRANS SECT B
       DRAWING NUMBER 23 000122          DATE 10-27-78
        SHEET#  1          REV C
         1. V40081   REV NC      10-27-78
```

FIGURE 7.3.2.2

DRAWING/ENGINEERING ORDER

E.O. TERMINAL OUTPUT

PRINT ALL AND E.O. NUMBER SEARCHES

1.	V40081	REV NC	10-27-78	1935	0

FIGURE 7.3.2.3

DRAWING/ENGINEERING ORDER

E.O. TERMINAL OUTPUT

VEHICLE SEARCH

```
        1. E.O. NUMBER: V40044        E.O. REV NC     DATE 10-27-78
        2. E.O. NUMBER: V39092        E.O. REV NC     DATE 10-27-78
        3. E.O. NUMBER: V50505        E.O. REV NC     DATE 10-27-78
        4. E.O. NUMBER: V39091        E.O. REV NC     DATE 10-27-78
        5. E.O. NUMBER: V51311        E.O. REV NC     DATE 10-27-78
THERE ARE      5 E.O.'S RELATED TO VEHICLE 201
```

FIGURE 7.3.2.4

DRAWING/ENGINEERING ORDER: DRAWING TITLE SEARCH: PRINTER OUTPUT BRIEF

14: 15 11/30/78

DRAWING TITLE SEARCH : SECT B RING

DRAWING TITLE SHEET NUMBER E.O. NUMBER	DRAWING NUMBER	DATE
1. ADAPT RING TRANS SECT B SHEET# 1 REV D 1. V24818	23 000039	10-27-78
2. BUSHING HOIST RING TRAN SECT B SHEET# 1 REV D 1. V31123	23 000119	10-27-78
3. STUD HOIST RING TRANS SECT B SHEET# 1 REV C	23 000121	10-27-78
4. RING AFT ATTACH TRANS SECT B SHEET# 1 REV C 1. V40081	23 000122	10-27-78

FIGURE 7.3.2.5

DRAWING/ENGINEERING ORDER: DRAWING TITLE SEARCH: PRINTER OUTPUT COMPLETE

15: 7 11/30/78

DRAWING TITLE SEARCH : RING SECT B

DRAWING TITLE / SHEET NUMBER / E.O. NUMBER	DATE	E.O. TITLE	DRAWING NUMBER	DATE
1. ADAPT RING TRANS SECT B SHEET# 1 REV D 1. V24818 REV NC	10-27-78		23 000039	10-27-78
2. PUSHING HOIST RING TRAN SECT B SHEET# 1 REV D 1. V31123 REV A	10-27-78		23 000119	10-27-78
3. STUD HOIST RING TRANS SECT B SHEET# 1 REV C			23 000121	10-27-78
4. RING AFT ATTACH TRANS SECT B SHEET# 1 REV C 1. V40081 REV NC	10-27-78		23 000122	10-27-78

FIGURE 7.3.2.6

DRAWING/ENGINEERING ORDER: DRAWING PRINT ALL SEARCH: PRINTER OUTPUT

13: 16 12/01/78

PRINT ALL DRAWINGS

DRAWING TITLE / SHEET NUMBER / E.O. NUMBER	DRAWING NUMBER	DATE
1. FIN ASSY BASE SECT A	23 000021	10-27-78
SHEET# 1 REV S		
1. V34535		
2. D37280		
3. V39621		
4. V50313		
5. V51265		
6. V51001		
SHEET# 2 REV S		
1. V34535		
2. V50313		
SHEET# 3 REV S		
1. V34535		
2. V50313		
SHEET# 4 REV S		
1. V34535		
2. V50313		
SHEET# 5 REV S		
1. V34535		
2. V50313		
2. STRUCT ASSY TRANS LWR D	23 000026	10-27-78
SHEET# 1 REV U		
1. V36559		
2. V34519		
SHEET# 2 REV U		
1. V36559		
SHEET# 3 REV U		
1. V36559		
SHEET# 4 REV U		
1. V36559		

FIGURE 7.3.2.7

DRAWING/ENGINEERING ORDER: ACTION DUE SEARCH: PRINTER OUTPUT

11: 28 11/30/78

REVISION ACTION DUE SEARCH

DRAWING TITLE / SHEET NUMBER / E.O. NUMBER	DRAWING NUMBER	DATE
1. FIN ASSY BASE SECT A SHEET# 1 REV S 1. V34534 2. D37286 3. V39621 4. V50313 5. V51265 6. V51001	23 000021	10-27-78
2. COMPONENTS INST TLM BASE SECT A SHEET# 1 REV J 1. V27229 2. V24391 3. V37787 4. D20245 5. D24285 6. V51354	23 000097	10-27-78
3. SYS INST 2ND ST RCS TRAN B UPPR SHEET# 1 REV AA 1. V40048 2. D40041 3. D40038 4. D50311 5. D40010 6. D39482 7. D37800 8. D24141 9. V50415 10. D50429	23 000469	10-27-78

FIGURE 7.3.2.8

DRAWING/ENGINEERING ORDER: DRAWING NUMBER SEARCH: PRINTER OUTPUT

14: 58 11/30/78

DRAWING NUMBER SEARCH : 23 000472

DRAWING TITLE / SHEET NUMBER / E.O. NUMBER	DRAWING NUMBER	DATE
1. INSTRUMENTATION INST 3RD ST RCS	23 000472	10-27-78
SHEET# 1 REV V		
1. V40048		
2. D24391		
SHEET# 1. 1 REV V		
1. V40048		
SHEET# 2 REV V		
1. V40048		
SHEET# 2. 1 REV V		
1. V40048		
SHEET# 3. 2 REV V		
1. V40048		
SHEET# 7 REV V		
1. V40048		
SHEET# 10 REV V		
1. V40048		

FIGURE 7.3.2.9

DRAWING/ENGINEERING ORDER: DRAWING DATE SEARCH: PRINTER OUTPUT

9: 25 12/14/78

DRAWING DATE SEARCH : 12- 1-78

DRAWING TITLE SHEET NUMBER E.O. NUMBER	DRAWING NUMBER	DATE
1. SAMPLE DRAWING USING SECTION AND SYSTEM SHEET# 1 REV	401 00001	12- 1-78
2. SAMPLE DRAWING USING SYSTEM :MANUEL INPUT SHEET# 1 REV B 1. V000001	401 000002	12- 1-78

FIGURE 7.3.2.10

DRAWING/ENGINEERING ORDER: DRAWING SYSTEM SEARCH: PRINTER OUTPUT

13: 47 12/01/78

SYSTEM SEARCH : ELEC

DRAWING TITLE SHEET NUMBER REV. NUMBER	DRAWING NUMBER	DATE
1. SAMPLE DRAWING USING SECTION AND SYSTEM SHEET# 1 REV	401 00001	12- 1-78
2. SAMPLE DRAWING USING SYSTEM :MANUEL INPUT SHEET# 1 REV B 1. V000001	401 000002	12- 1-78

FIGURE 7.3.2.11

DRAWING/ENGINEERING ORDER: DRAWING VEHICLE SEARCH: PRINTER OUTPUT

14: 46 11/30/78

VEHICLE SEARCH : 202

DRAWING TITLE SHEET NUMBER I.O. NUMBER	DRAWING NUMBER	DATE
1. SECT ASSY P/L INTERFACE SHEET# 1 REV A 1. V51363 SHEET# 2 REV A 1. V51363	23 003082	10-27-78
2. MOD INSTL 25 SERIES SAGE P/L SHEET# 1 REV NC 1. V50591	23 004523	10-27-78
3. UMB CABLE ASSY-HCMM/SAGE SC SHEET# 1 REV A 1. V51457	331 39724	10-27-78
4. SAGE P/L TEST CABLES SHEET# 1 REV NC 1. V51477	331 39734	10-27-78

FIGURE 7.3.2.12

DRAWING/ENGINEERING ORDER: DRAWING SECTION SEARCH: PRINTER OUTPUT

13: 12 12/01/78

SECTION SEARCH : CASTOR IIA

DRAWING TITLE SHEET NUMBER E.O. NUMBER	DRAWING NUMBER	DATE
1. SAMPLE DRAWING USING SECTION AND SYSTEM SHEET# 1 REV	401 00001	12- 1-78

FIGURE 7.3.2.13

DRAWING/ENGINEERING ORDER: DRAWING VENDOR CODE SEARCH: PRINTER OUTPUT

9: 30 12/14/78

VENDOR CODE SEARCH : 401

DRAWING TITLE / SHEET NUMBER / E.O. NUMBER	DRAWING NUMBER	DATE
1. RADAR BEAC ASSY S RADAR B KIT SHEET# 1 REV NC	401 00411	10-27-78
2. BEAC RADAR CVRT 6B,61B,61C SHEET# 1 REV A	401 01331	10-27-78
3. COMP ASSY TLM PKG INSTR SHEET# 1 REV G 1. V27964	401 01500	10-27-78
4. SCHEM COMP ASSY TLM PKG SHEET# 1 REV B SHEET# 2 REV C SHEET# 3 REV B 1. V19033	401 01501	10-27-78
5. RADAR BEACON ASSY SHEET# 1 REV A	401 01861	10-27-78
6. BATT CASE RADAR BEAC KIT SHEET# 1 REV A	401 01862	10-27-78
7. RACK SCO MTG REWORK SHEET# 1 REV B 1. V07150	401 03354	10-27-78

FIGURE 7.3.2.14

DRAWING/ENGINEERING ORDER: DRAWING E.O. NUMBER SEARCH: PRINTER OUTPUT

15: 9 11/30/78

DRAWING - E.O. NUMBER SEARCH V39049

DRAWING TITLE / SHEET NUMBER / E.O. NUMBER	DRAWING NUMBER	DATE
1. BATTERY SIMULATOR C SECT	321 00076	10-27-78
SHEET# 1 REV C		
1. V39099		
2. V39049		
SHEET# 2 REV B		
1. V39049		
2. TEST BATTERIES TRANS D	321 00077	10-27-78
SHEET# 1 REV E		
1. V39099		
2. V39049		
SHEET# 2 REV E		
1. V39099		
2. V39049		
SHEET# 3 REV E		
1. V39099		
2. V39049		

FIGURE 7.3.2.15

DRAWING/ENGINEERING ORDER: E.O. PRINT ALL SEARCH: PRINTER OUTPUT

13: 57 12/01/78

E.O. SEARCH - PRINT ALL

	E.O. NUMBER		DATE	E.O. TITLE
1.	V34534	REV NC	10-27-78	
2.	D37268	REV NC	10-27-78	
3.	V39631	REV NC	10-27-78	
4.	V50315	REV NC	10-27-78	
5.	V51265	REV NC	10-27-78	
6.	V51061	REV NC	10-27-78	
7.	V36559	REV NC	10-27-78	
8.	V34519	REV NC	10-27-78	
9.	V24815	REV NC	10-27-78	
10.	V24818	REV NC	10-27-78	
11.	V40080	REV NC	10-27-78	
12.	V32206	REV NC	10-27-78	
13.	V37467	REV NC	10-27-78	
14.	V50363	REV NC	10-27-78	
15.	V50419	REV NC	10-27-78	
16.	V51362	REV NC	10-27-78	
17.	V39784	REV NC	10-27-78	
18.	V30984	REV A	10-27-78	

FIGURE 7.3.2.16

DRAWING/ENGINEERING ORDER: E.O. NUMBER SEARCH: PRINTER OUTPUT

14: 17 11/30/78

E.O. SEARCH

	E.O. NUMBER		DATE	E.O. TITLE
1.	V400P1	REV NC	10-27-78	

FIGURE 7.3.2.17

DRAWING/ENGINEERING ORDER: E.O. VEHICLE SEARCH: PRINTER OUTPUT

14: 23 11/30/78

E.O. VEHICLE SEARCH 201

	E.O. NUMBER		DATE	E.O. TITLE
1.	V40044	REV NC	10-27-78	
2.	V39092	REV NC	10-27-78	
3.	V50505	REV NC	10-27-78	
4.	V39091	REV NC	10-27-78	
5.	V51311	REV NC	10-27-78	

FIGURE 7.3.2.18

APPENDIX A

GLOSSARY OF TERMS

ARCHIVE	To save or put away data no longer needed or used
DATA BASE	A collection or set of data files; records.
DATA ITEM	A subdivision of a data record; for example, author and contract number are data items or fields of a memo record.
DIR	Design Information Release
EGS	Electrical ground support equipment
ELEC	Electrical
E.O.	Engineering Order
FIELDS	See Data Item
FILE	Storage area to place and keep data for later use
FORTRAN	Special language used to give instructions to the computer
GSE	Ground support equipment
GUID	Guidance

HOUSEKEEPING	Process by which the computer performs program instructions in order to permit smooth operation - for example, opening, closing, and deleting files.
H/S	Heatshield
ID	Identification
INPUT	To place data into a file
LOGIN	User process of being identified to the computer for further operation
MECH	Mechanical
MESSAGE	A special note displayed on the terminal to the user by the computer program
MGS	Mechanical ground support equipment
MODE	A type of task for a specific job.
OUTPUT	To show or display data
PERF	Performance
PRINTOUT	A special listing of data provided to the user by the computer for later reference or use.
PROP	Propulsion

RECORD	A subdivision of a file consisting of a set of data items from a document.
REVISE	To change or modify data.
RF	Radio frequency for telemetry system
SEARCH	To find or locate a specific set of data; records.
SOFTWARE	A group or set of fixed computer instructions designed to perform special tasks
SOP	Standard operating procedure
SPADS	Scout Project Automatic Data System
SPO	Scout Project Office
SPOOLED	Process by which the computer transfers a special output file to the printer for a printout.
SUBFILE	A part or subdivision of a file
TERMINAL	A device with typewriter keys used to communicate with the computer.
USER	Any person initiating interaction with the computer
W.A.	Work authorization.