

**OM/250
Technical
Manual**

HP 250

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OM/250 Technical Manual

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CHAPTER 1

Technical Documentation

Getting Started

Order Management software (OM/250) provides the tools for solving problems of Order Processing, Inventory Management, Accounts Receivable, and Sales Analysis for small businesses. Each of these functions is addressed by one of the four modules of OM/250: Accounts Receivable (AR), Inventory Control (IC), Order Entry (OE) and Sales Analysis (SA).

A fifth module, General Inquiry (GI), provides read-only access to (1) customer master information, (2) customer accounts receivable data, (3) inventory item master information and (4) sales order status data.

User Set

OM/250 runs on several hardware configurations, employing a variety of Hewlett-Packard "hard" disc systems. Order Management is designed to provide effective use of the different backup mechanisms, capacities and methods of file organization possible with these disc units. The Master Software from which the User Set is prepared is explained in the next section.

Master Tape/Master Set

OM/250 is available as both a collection of special backup files (file type BKUP) on a single tape cartridge (Master Tape), and as a set of 15 flexible discs (Master Set). The Master Tape is used when transferring the software to "hard" disc via the 7908P tape cartridge unit. The Master Set is used when the transfer is from the 9895 flexible disc drive. From either source of the Master Software, a running User Set can be generated for any of the supported disc configurations. The process of creating a User Set from Master Software is described in the chapter entitled SYSTEM RELEASE.

The Master Tape contains backup files which are categorized into three groups. These groups correspond to the three collections of floppy discs of the Master Set. The RECOVER program, one of the Operating System utilities, is the mechanism for transferring the BKUP files from the tape cartridge to the "hard" disc.

The Master Tape backup files are organized in the manner outlined below. File names by module are shown in the table following.

- 1) Object BKUP Files: These five files contain all programs, data files, forms and data base schemas, plus the utility COPIER. The program files, with all upper-cased names, are stored as PROG files with no embedded comments.
- 2) Source BKUP Files: These five files contain all programs, data files and data base schemas, plus the utilities COPIER, CSTRIP, LIST and SEARCH. Program file names are lower-cased and are saved as DATA files. Any embedded comments are included.
- 3) Documentation BKUP Files: These five files include all of the files for the Order Management technical documentation, in addition to DLIST, a utility used to print the documentation files. See the section on DLIST for a discussion of its use.

The names of the BKUP files on the Master Tape and their contents are as follows:

| | OBJECT ----- | SOURCE ----- | DOCUMENTATION ----- |
|--------------------------------|-----------------|-----------------|------------------------|
| Control Module/General Inquiry | BKUPHP | bkuphp | BKUPDH |
| Accounts Receivable | BKUPAR | bkupar | BKUPDR |
| Order Entry | BKUPOE | bkupoe | BKUPDO |
| Inventroy Control | BKUPIC | bkupic | BKUPDI |
| Sales Analysis | BKUPSA | bkupsa | BKUPDS |

The Master Set contains flexible discs which are organized in three groups of five discs each. The User Set is established by copying the required files from the flexible disc to the "hard" disc using the utility COPIER. Each flexible disc contains a special batch file which enumerates the contents of that disc. COPIER can be easily run in batch mode to automatically transfer all of the files between media.

The Master set is divided into the functional categories described below.

- 1) Object Set: These five discs contain all programs, data files, forms on data base schemas, plus the utility COPIER. The program files, with all upper-cased names, are stored as PROG files, with no embedded comments.
- 2) Source Set: These five discs contain all programs, data files and data base schemas, plus the utilities COPIER, CSTRIP, LIST and SEARCH. Program file names are lower-cased and are saved as DATA files. Any embedded comments are included.
- 3) Documentation Set: These five discs include all of the files for the Order Management technical documentation, in addition to DLIST, a utility used to print the documentation files. See the section on DLIST for a discussion of its use.

The volume names of the discs in the Master Set are:

| | <u>OBJECT</u> | <u>SOURCE</u> | <u>DOCUMENTATION</u> |
|--------------------------------|---------------|---------------|----------------------|
| Control Module/General Inquiry | HP | hp | HPDOC |
| Accounts Receivable | AR | ar | ARDOC |
| Order Entry | OE | oe | OEDOC |
| Inventory Control | IC | ic | ICDOC |
| Sales Analysis | SA | sa | SADOC |

Utilities

Several utilities are included with the Master Set and Master Tape to assist in the examination, modification, and install-

ation of OM/250. A detailed description of each utility is available on each documentation disc. Refer to the Documentation file indicated.

COPIER: A general purpose utility for copying and purging files. See the section in this manual entitled COPIER Utility. Also, see the documentation file "ducopi".

LIST: A general purpose data file lister. See the documentation file "dulist".

CSTRIP: A comment strip utility, which removes embedded comments from saved program files. See the documentation file "ducstr".

DLIST: A documentation file lister program. See the section in this manual entitled "DLIST Utility".

Copier

The COPIER program which resides on each of the flexible discs is a general purpose file copying utility. It is especially useful in creating the User Set from the Master Set.

To run the COPIER program, execute the following:

RUN "COPIER"

The initial screens, SELECT SOURCE and SELECT DESTINATION menus, request the user to specify the sending and receiving volumes. The next screen, the COPY MENU, allows the user to either MODIFY the default options, BEGIN the copying operation or RESTART the program.

COPIER operates on a list of file names coming from either the CRT or a batch file. The default modes of operation include BATCH ON which means that when the BEGIN COPY softkey is pressed the next prompt is, "Please enter name of batch file." After the user supplies the name of a batch file, e.g. BTCHHP, and presses the ENTER key, COPIER will automatically read all of the records of file names found in the batch file. These files are then copied from the source to the destination disc.

DLIST

The DLIST program, which resides within all documentation BKUP files and on all documentation discs, is used to print OM/250 applications and utility program documentation. (OM/250 documentation files are specially formatted and cannot be read with a GET command.) DLIST can print either one file at a time or can access a "link" file to print all documentation for a specified module.

To utilize the DLIST program, execute the following:

RUN "DLIST"

The initial menu requests the file name (and optional volume specifier) to be printed. To produce documentation on a single file, simply enter that file name to proceed to the next menu.

Each documentation BKUP file or disc contains a "link" file. A link file is one that, when specified as input to DLIST, results in the printing of a collection of documentation files. The content of the link files and their organization follow.

| <u>LINK FILE</u> | <u>RESULTING DOCUMENTATION</u> |
|------------------|---|
| dmlink | Brief documentation overview OM Coding and Naming Conventions All other documentation |
| dhlink | Control Module Documentation |
| drlink | Accounts Receivable Documentation |
| dilink | Inventory Control Documentation |
| dolink | Order Entry Documentation |
| dslink | Sales Analysis Documentation |
| dqlink | General Inquiry Documentation |
| dclink | Lists the changes and programs affected for each of the OM/250 revisions. |

Notice that the utility programs documentation (files beginning 'du') is not printed by any of the link files.

Once a file name (single or link) is entered, a second menu of formatting options appears.

| DLIST UTILITY PROGRAM | | | | | | | |
|------------------------------|--|----------------------|--|--------------------|-------------------|--------------------|------|
| HP250.3.06.A | | | | | | | |
| START PAGE | - Change starting page number. | | | | | | |
| SUPPRESS PAGES | - Change number of pages for which to suppress printing. | | | | | | |
| PHYSICAL MARGIN | - Change number of columns to indent all text. | | | | | | |
| BEGIN PRINTING | - Begin to process the current text file. | | | | | | |
| RESTART PROGRAM | - Enter a new file to be processed. | | | | | | |
| EXIT | - Terminate the DLIST utility program. | | | | | | |
| File to be processed: dhlink | | | | Printer channel: 0 | | | |
| Please select a function. | | | | | | | |
| START PAGE 1 | SUPPRESS 0 PAGES | PHYSICAL MARGIN 5 | | | BEGIN PRINTING | RESTART PROGRAM | EXIT |

START PAGE for printout (0 through 9999, default 1). 0 turns off page numbering.

SUPPRESS PRINT for N pages (0 through 999, default 0) allows you to restart printing by skipping the first N pages. 0 prints all pages.

PHYSICAL INDENT (0 through 99, default 5) indents all text to facilitate trimming and handling. (The physical printer width is always 132 characters. All documentation is internally set up to print less than 80 characters wide.)

BEGIN LISTING starts the print routine.

RESTART PROGRAM returns you to the initial menu.

Each file completed is displayed on the CRT. If any error occurs while reading a file, you are notified. Press CONTINUE to skip the file and continue printing.

Note that the file "dmlink" actually represents a master link file. If all documentation files are volume resident, "dmlink" will cause all documentation files to be printed.

Whenever DLIST encounters an error, you may elect to skip that file or EXIT. If the error is caused by a file not found, and the file is resident on another disc, simply insert the new disc if appropriate, re-type the file name, giving the new volume label, and press the ENTER key. DLIST will change the default mass storage device to the new label and continue processing.



CHAPTER 2

System Release

Introduction

The software release process takes into consideration more than the creation of a runnable version of OM/250. The fact that FIN/250 and APGL/250 contain modules that are shared with the Order Management software has played a role in shaping the release mechanism. One objective of the current process is that it work equally well for all three products.

The Master Software is now available on two different media: a single cartridge tape, and a set of 15 flexible discs. In the past, the creation of a runnable version of OM/250 used a scheme that assumed on-line access to the flexible discs which contained the Master Software. Due to the nature of the tape drive mechanism, it should not be frequently accessed like an on-line device. Therefore, an objective of the current process is to treat the tape drive mechanism as an off-line memory device which is not frequently accessed. An additional objective of the current software release process is that it work equally well for both the MASTER TAPE (cartridge tape media) and the MASTER SET (flexible disc media).

Software Release Tools

The programs COPIER, BACKUP, and RECOVR are used in the software release process. BACKUP and RECOVR are Operating System utilities that reside with the Operating System software. The utility program COPIER is in each BKUP file of the MASTER TAPE and on each flexible disc of the MASTER SET.

A special data file referred to as a "batch" file can be used with the utility programs COPIER and BACKUP. A batch file is a serial file which contains 6 character file names stored via the Serial Data Access method. For more information on data access methods refer to the BASIC Programming Manual which discusses file storage in detail.

Batch files can be created and modified using the program EDITOR. The way to create a batch file is to generate a work file while running the EDITOR and use the KEEP command to save the temporary work file to a permanent DATA file in your directory. When saving a batch file using the KEEP command, the UNNUMBERED option should be specified. For more information on the EDITOR refer to Appendix B of the IMAGE/250 Programming Manual.

There is a batch file included in each BKUP file of the MASTER TAPE and on each flexible disc of the MASTER SET. Every batch file begins with the letters "BTCH" or "btch". This naming convention enables you to tell which files are batch files on your Master Software. When necessary, the batch files included with the Order Management software can be modified using the EDITOR. Remember that copying a batch file into a work file to be used with the EDITOR must be done using the TEXT command with the UNNUMBERED option specified.

Master Software

The basic content of the MASTER TAPE and the MASTER SET are identical. In fact, the MASTER TAPE is derived from the MASTER SET. The BACKUP program has been used to create 15 BKUP files from the contents of the 15 flexible discs in the MASTER SET. These BKUP files are the files seen when cataloging the directory of the MASTER TAPE.

Although the basic content of both types of Master Software are identical, the software release process is different for the MASTER TAPE and the MASTER SET. The use of identical batch files in both processes is the thread that ties them together. The batch file included in a BKUP file or on a flexible disc is simply a list of the files in that BKUP file or on that flexible disc.

The relationship between the BKUP files on the MASTER TAPE, the flexible discs in the MASTER SET and the batch files is as follows:

| | MASTER SET (flexible discs) | MASTER TAPE (BKUP files) | BATCH FILE NAME |
|----------------|---|--|--|
| OBJECT: | HP AR OE IC SA | BKUPHP BKUPAR BKUPOE BKUPIC BKUPSA | BTCHHP BTCHAR BTCHOE BTCHIC BTCHSA |
| SOURCE: | hp ar oe ic sa | bkuphp bkupar bkupoe bkupic bkupsa | btchhp btchar btchoe btchic btchsa |
| DOCUMENTATION: | HPDOC ARDOC OEDOC ICDOC SADOC | BKUPDH BKUPDR BKUPDO BKUPDI BKUPSA | BTCHDH BTCHDR BTCHDO BTCHDI BTCHDS |

The Software Release Process

To release software from BKUP files on the MASTER TAPE, the utility program RECOVR is used. Run "RECOVR" and select the VOLUME RECOVER mode to copy all files stored in a given BKUP file to the disc of your choice.

If at some later time it is desired to store the software in its BKUP file form again, run "BACKUP" and select the BATCH SELECTED mode. The batch file that originally comes with each BKUP file can be used when prompted for a batch file in the BACKUP program.

To release software from flexible discs in the MASTER SET, the utility program COPIER is used. Run "COPIER" with BATCH mode on to copy all files (except the batch file) which reside on each disc.

(Note: the batch file is being accessed during the copy operation and a file can't be copied while it is being accessed.)

If it is desired to copy software back to flexible discs after modifying or enhancing it, use COPIER. The batch file that originally comes on each flexible disc can be used when prompted for a batch file in COPIER.

Creating a Runnable Version of OM/250

The first step in the creation of a runnable version of the Order Management software is to assemble all the required files of types PROG, DATA, KEYS, and FORM on a single disc. Assembling the required files is done by releasing the software from the Object BKUP files on the MASTER TAPE or from the five flexible discs in the Object Set of the MASTER SET.

The second step in the creation of a runnable version of OM/250 is to prepare the Control Module control files for use. The Control Module uses protected DATA files as control files. The files are named "HPconf" and "HPctl1" thru "HPctl6". They are found within the Control Module documentation, either on the flexible disc labeled "HP" or on the tape cartridge in the Control Module Object BKUP file.

The following steps are necessary to prepare the Control Module control files for use:

- 1) PROTECT "HPctl1","whopper"
- 2) PROTECT "HPctl2","whopper"
- 3) PROTECT "HPctl3","whopper"
- 4) PROTECT "HPctl4","whopper"
- 5) PROTECT "HPctl5","whopper"
- 6) PROTECT "HPctl6","whopper"
- 7) PROTECT "HPconf","whopper"

The third step in the creation of a runnable version of OM/250 is to prepare the data bases from the schema files in the Object software. Creating a data base from a schema file requires two operations: running program SCHEMA, the schema processor, to build an IMAGE file of type ROOT; and, using that ROOT file name when executing a DBCREATE command to build IMAGE files of type DSET with the same name. If these operations are unfamiliar refer to the IMAGE/250 Programming Manual for a complete description of the process.

Schema files are available having data base definitions for a fixed disc system. These files are defined with ROOT and DSET files residing together on a single volume. If your system resides on multiple volumes or if you wish to modify the data set capacities, you must modify the schema files before creating the root file and data sets.

The capacities for each set of schemas are changeable. However, when changing data base capacities be careful not to make them larger than the available disc space.

The following is a summary of all data bases in the OM/250 software application package:

| DATA BASE NAME ----- | SCHEMA FILE ----- |
|----------------------------|-------------------------|
| COMMON | COMsch |
| CUST | ARscc1 |
| STMT | ARscs1 |
| CREDIT | ARsck1 |
| CTRACT | ARscr1 |
| ARTRAN | ARsct1 |
| OEDB | OEsch1 |
| OEDBW | OEscw1 |
| ICITEM | ICsch1 |
| ICTRAN | ICsct1 |
| GLTRAN | GLsct1 |
| SATRAN | SAsct1 |
| SADB01 | SAsch1 |

Once your data base capacities are determined you need to derive the IMAGE files from the schemas listed above for the data bases. At this point the software is ready to be run. Of course, there is more information that is required, but this can all be established from within the application itself by filling in forms. Refer to the media-resident technical documentation and the IMPLEMENTATION GUIDE for further assistance when configuring your Order Management software .



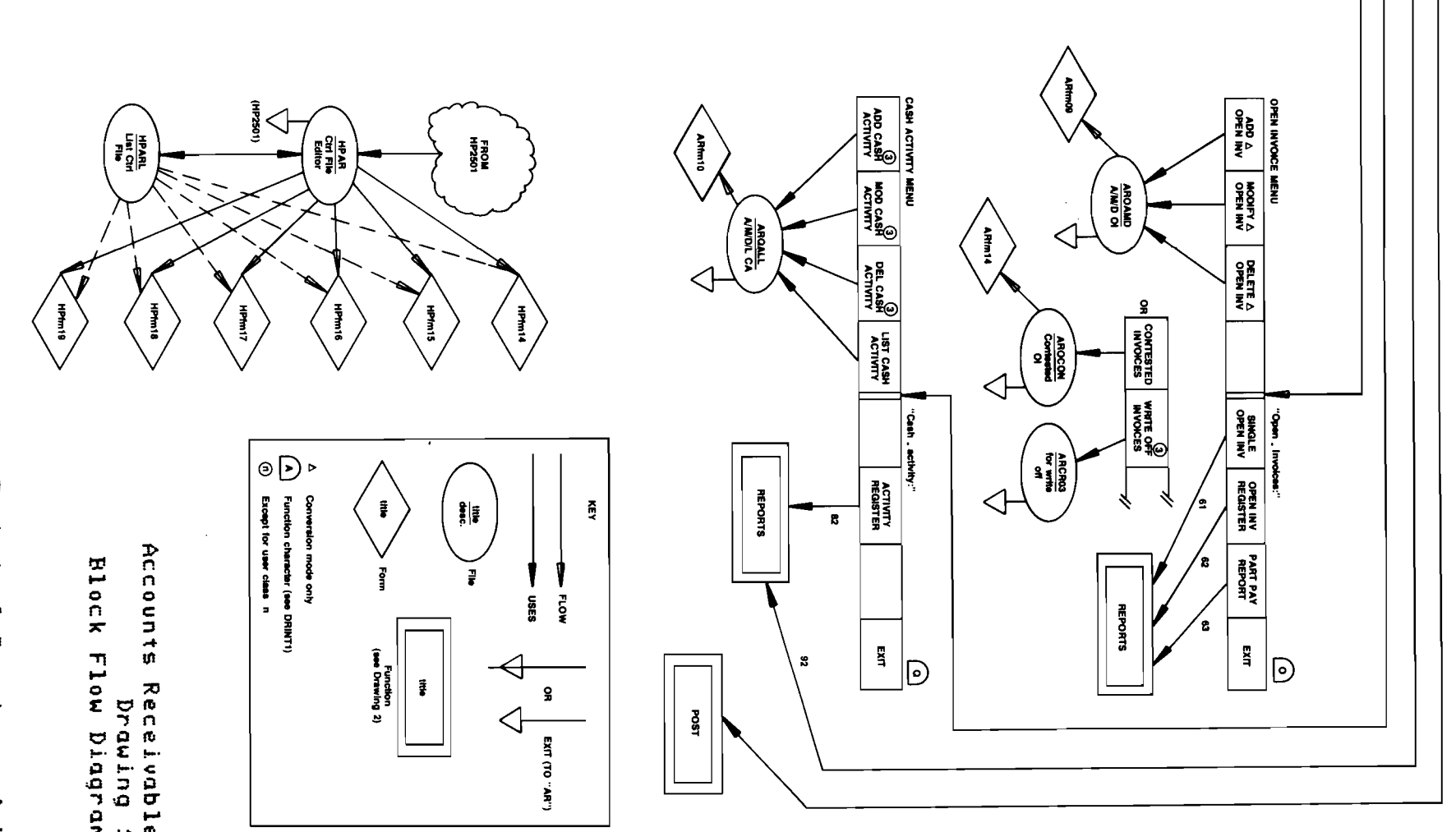
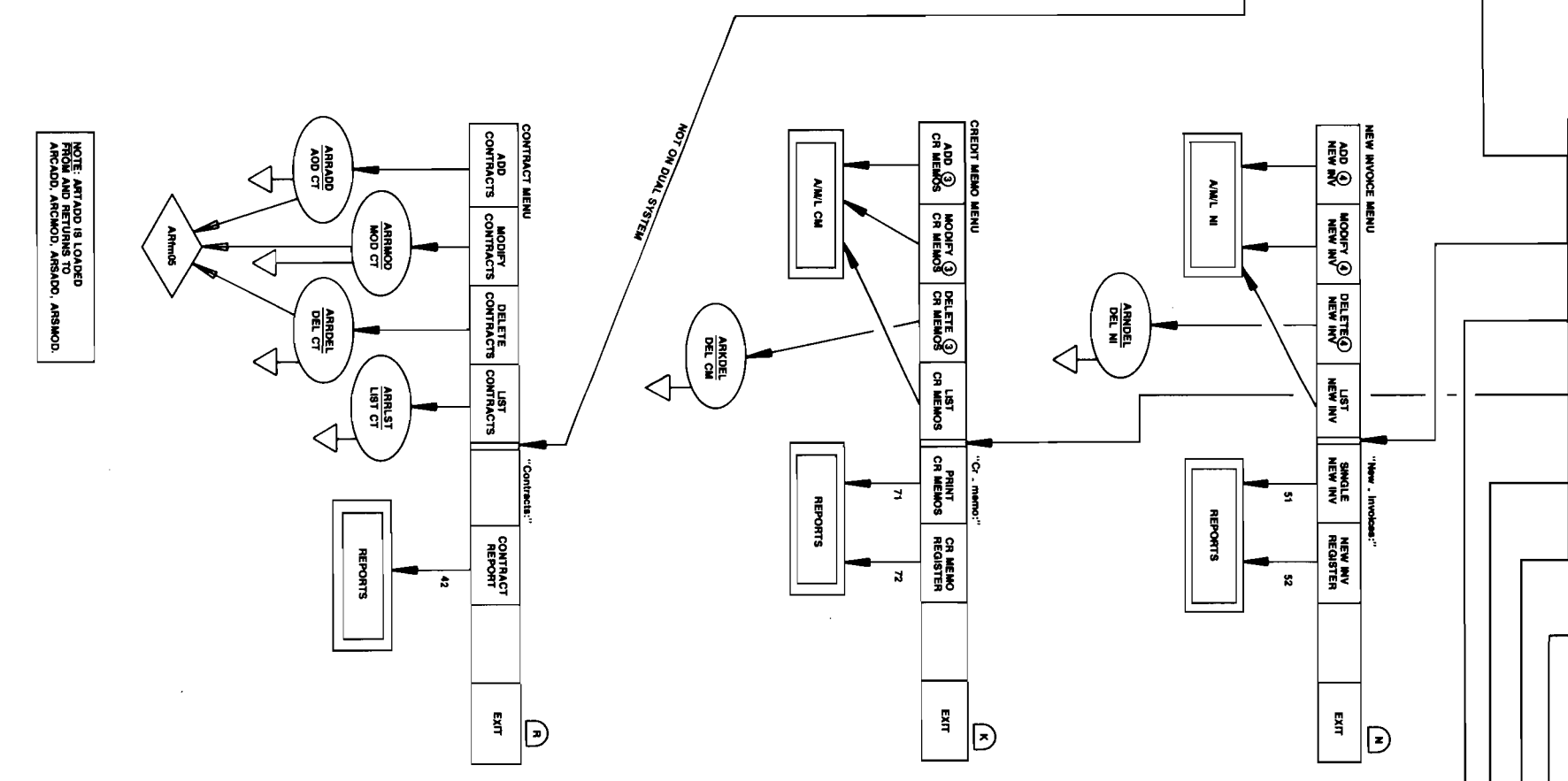
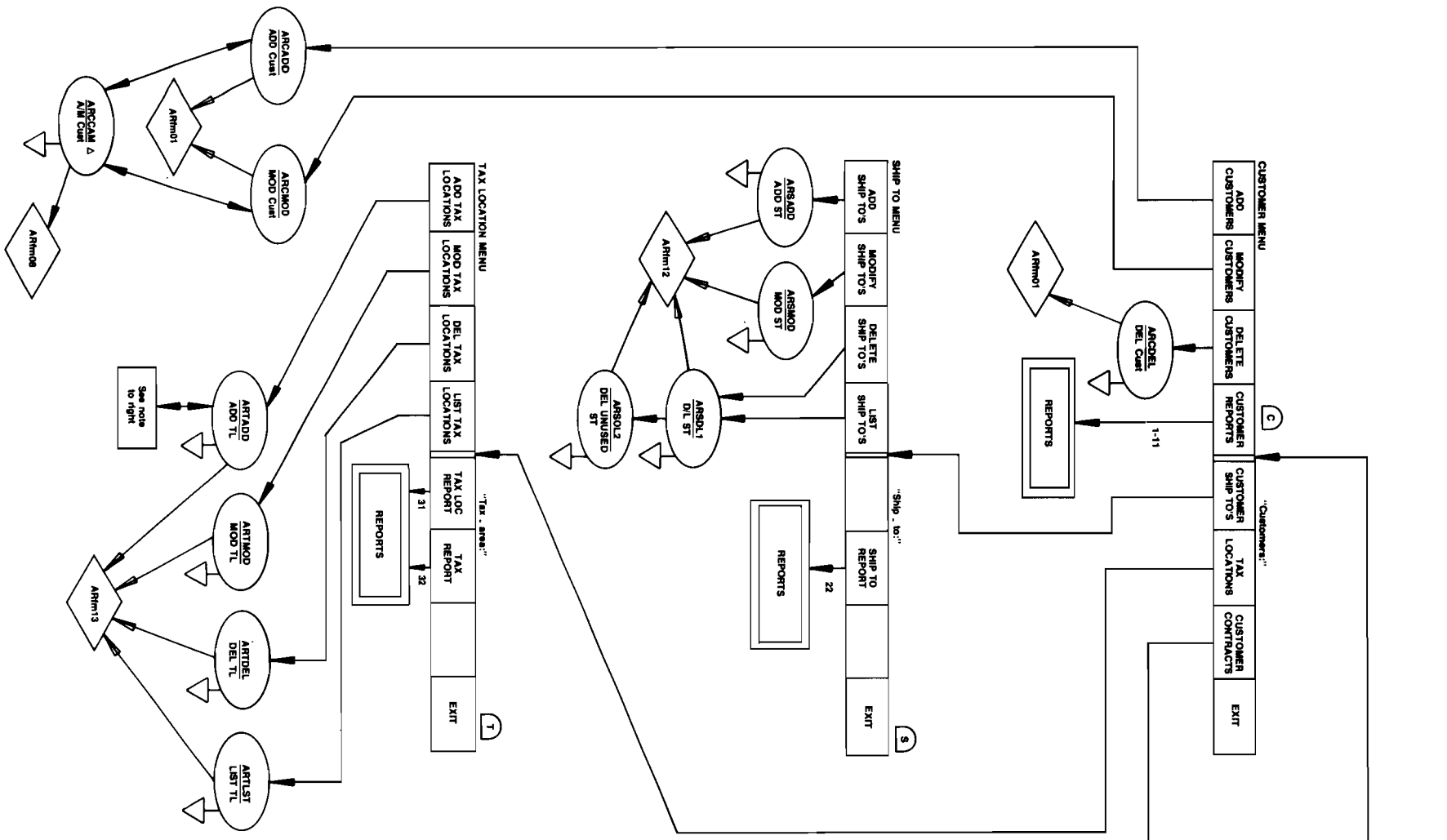
APPENDIX A

Technical Drawings

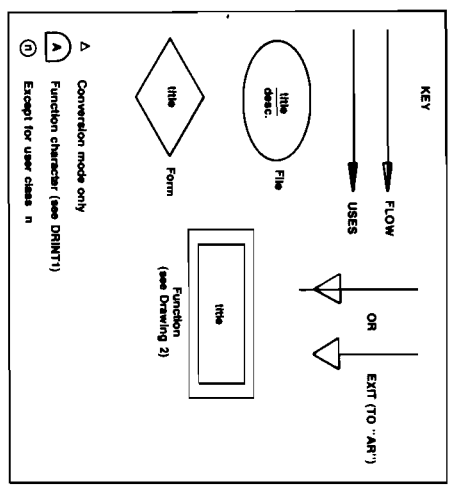
OM/250 technical documentation available with the Master Software refers to the drawings on the following pages.



* Numbers refer to report identifiers
 * Screen numbers are in the "ART"

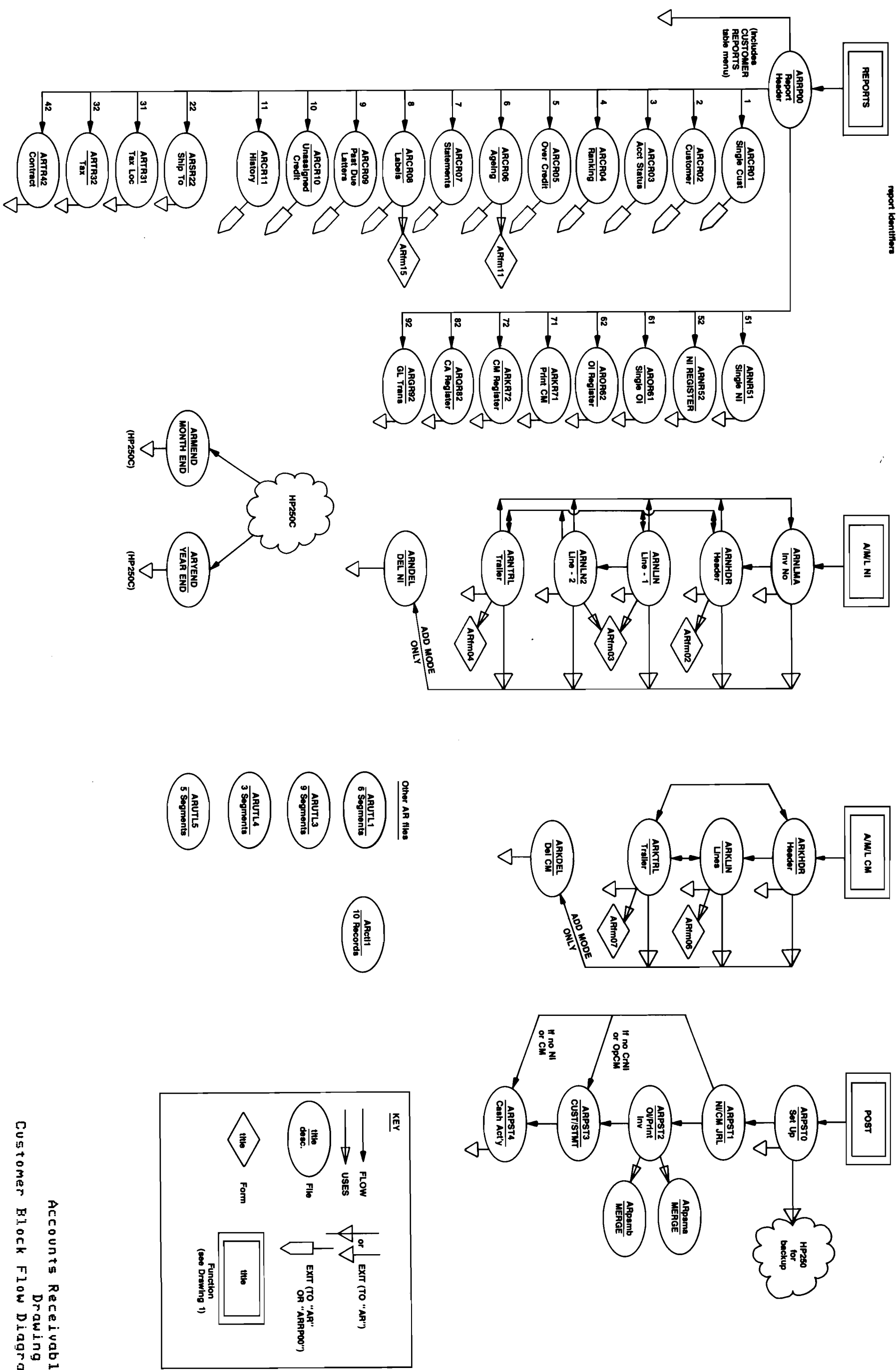


NOTE: ARTADD IS LOADED FROM AND RETURNS TO ARCADL, ARSHOD, ARSADO, ARSMOD.



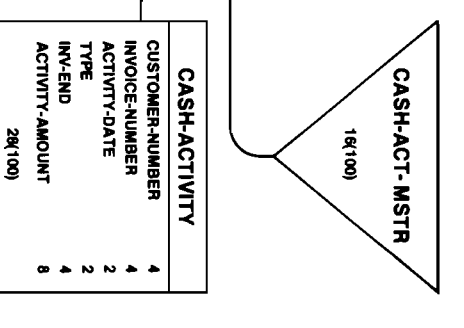
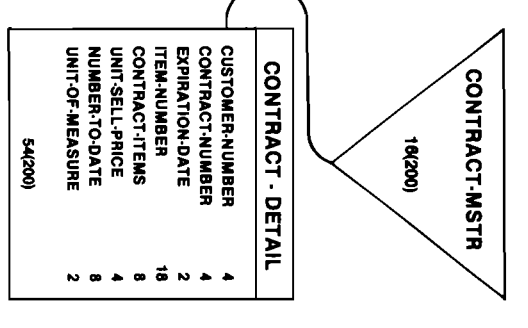
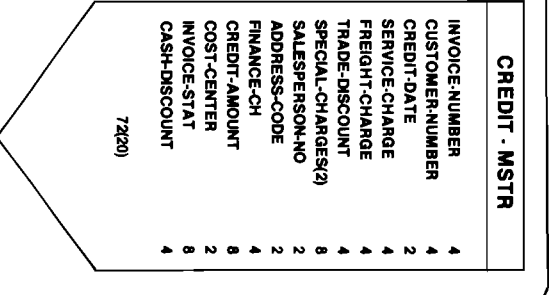
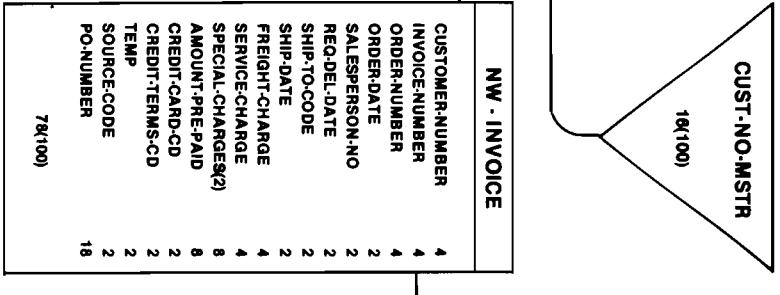
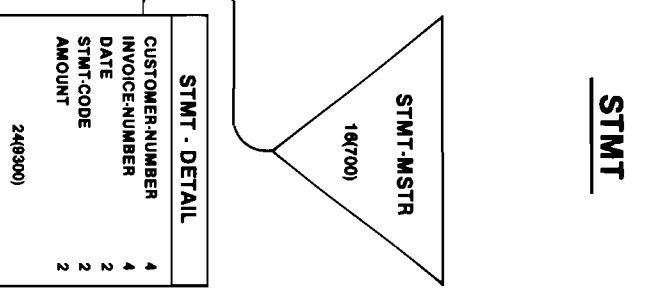
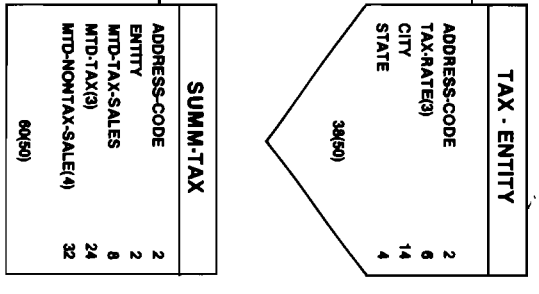
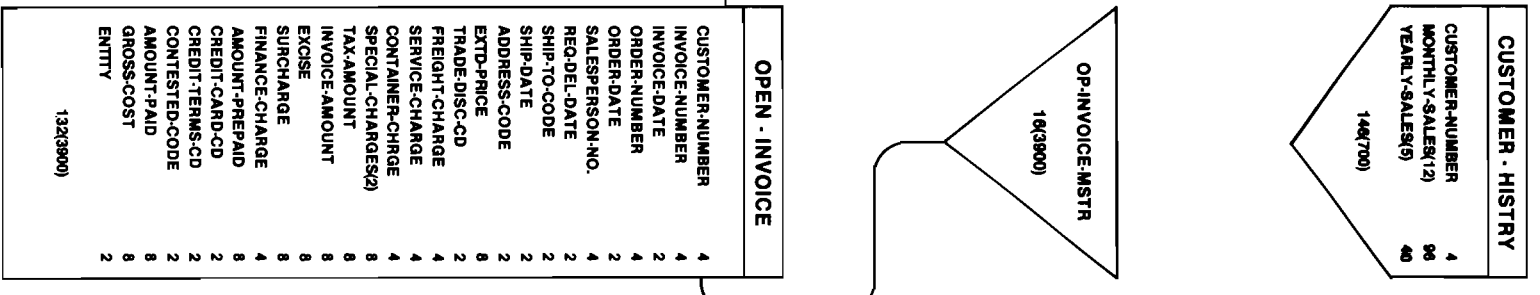
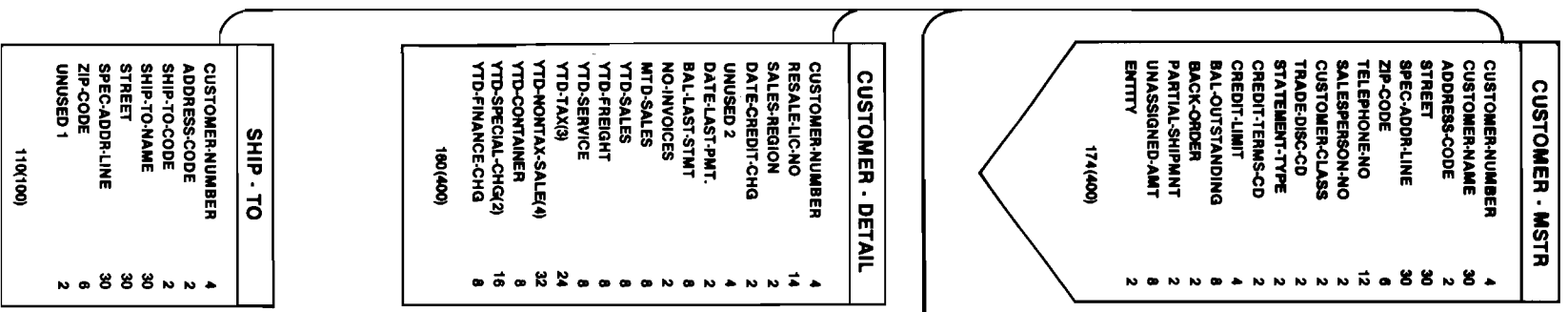
Accounts Receivable Drawing 1 Block Flow Diagram

Numbers refer to report identifiers

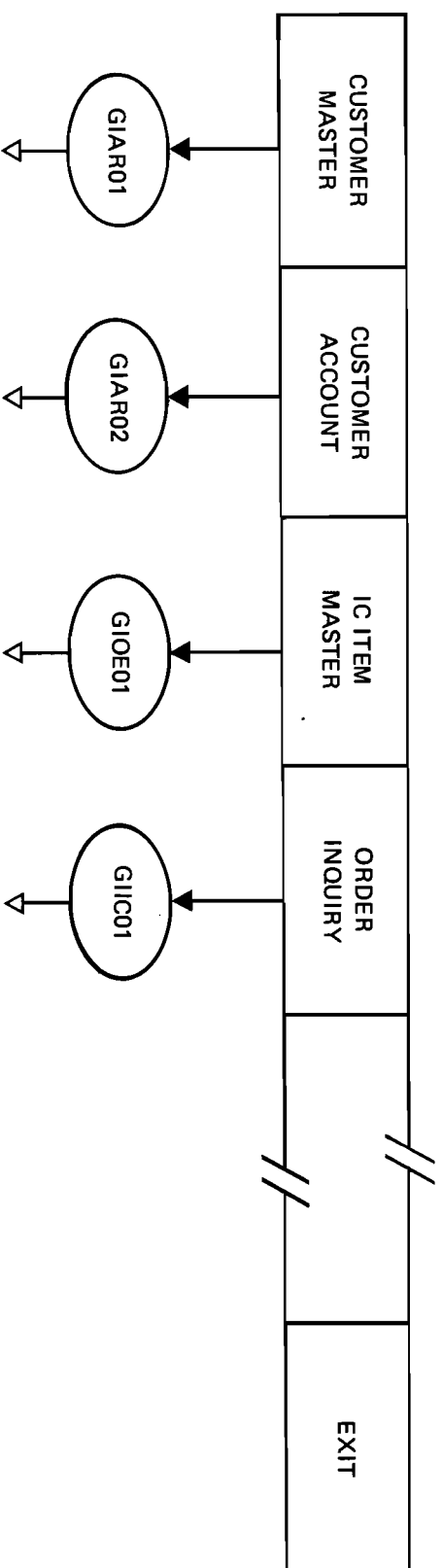


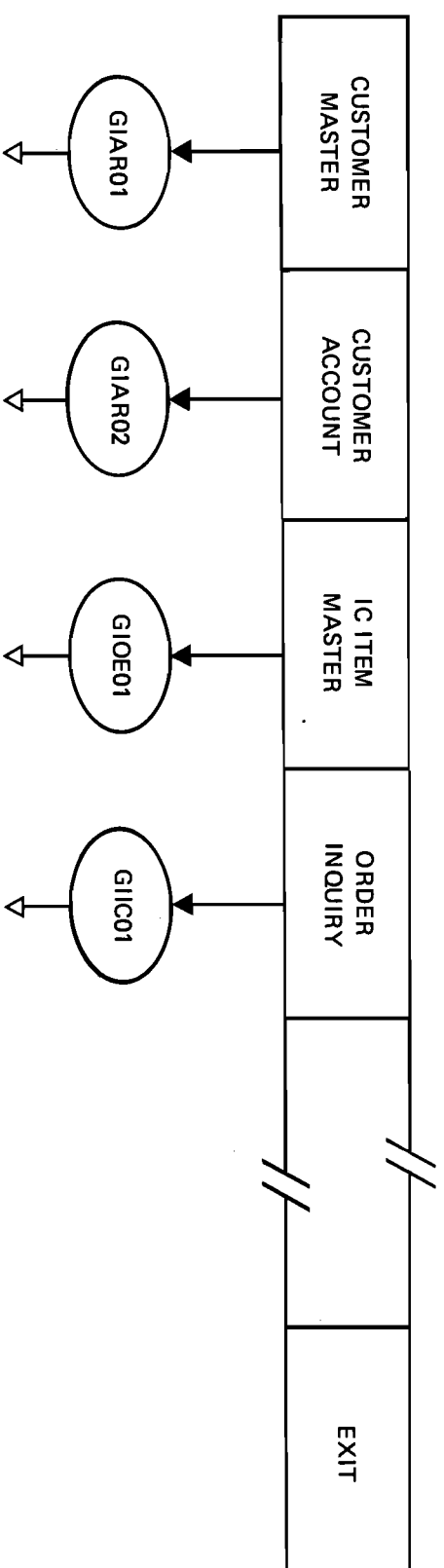
Accounts Receivable
Drawing 2
Customer Block Flow Diagram

CUST



LEGEND:
 XXXXX WHERE
 XXX = LENGTH MEDIA RECORD (BYTES)
 YYY = DUAL FLOPPY CAPACITY





General Inquiry
Block Flow Diagram

| ORDER MASTER | | | |
|--------------|-----------------|------|----|
| 1 | ORDER-NUMBER | S | 4 |
| 2 | ORDER-DATE | I | 2 |
| 3 | CUSTOMER-NUMBER | S | 4 |
| 4 | COST-CENTER | I | 2 |
| 5 | CUST-PO-NUMBER | X16 | 16 |
| 6 | SHIP-TO-CODE | I | 2 |
| 7 | SHIPPING-INSTN | X40 | 40 |
| 8 | CUSTOMER-CLASS | I | 2 |
| 9 | REQ-DEL-DATE | I | 2 |
| 10 | CREDIT-TERMS-CO | I | 2 |
| 11 | PARTIAL-SHIPMNT | X2 | 2 |
| 12 | BACKORDER | X2 | 2 |
| 13 | EXPECT-SHIPDATE | I | 2 |
| 14 | SALESPERSON-NO | I | 2 |
| 15 | SPECIAL-CHARGES | 25 | 8 |
| 16 | FREIGHT-CHARGE | S | 4 |
| 17 | SERVICE-CHARGE | S | 4 |
| 18 | ORDER-AMOUNT | L | 8 |
| 19 | CREDIT-CARD-CD | X2 | 2 |
| 20 | AMOUNT-PREPAID | L | 8 |
| 21 | CREDIT-INITIALS | X2 | 2 |
| 22 | ENTRY-INITIALS | X2 | 2 |
| 23 | ACTION-STATUS | X2 | 2 |
| 24 | ORDER-STATUS | X2 | 2 |
| 25 | INVOICE-CYCLE | I | 2 |
| | | 128 | |
| | | +12 | |
| | | 1400 | |
| | | 1000 | |

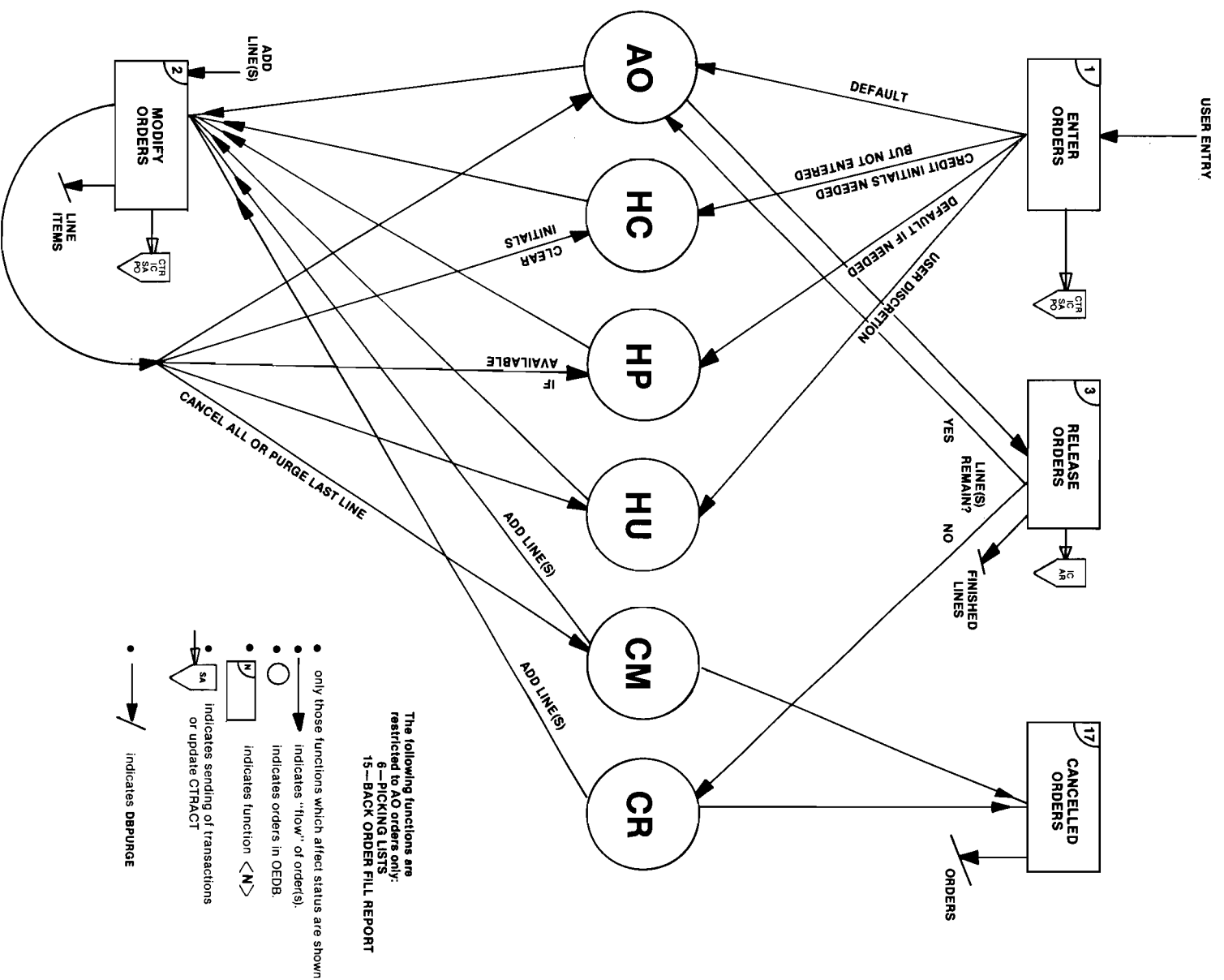
| ORDER DETAIL | | | |
|--------------|-----------------|------|----|
| 1 | ORDER-NUMBER | S | 4 |
| 2 | LINE-NUMBER | I | 2 |
| 3 | ITEM-NUMBER | X18 | 18 |
| 4 | QTY-ORDERED | S | 4 |
| 5 | UNIT-OF-MEASURE | X2 | 2 |
| 6 | QTY-ALLOCATED | S | 4 |
| 7 | QTY-PICKED | S | 4 |
| 8 | QTY-BACKORDERED | S | 4 |
| 9 | QTY-SHIPPED | S | 4 |
| 10 | CONTRACT-NUMBER | S | 4 |
| 11 | UNIT-PURC-COST | S | 4 |
| 12 | UNIT-SELL-PRICE | S | 4 |
| 13 | SHIPMENT-TYPE | X2 | 2 |
| 14 | TAX-CATEGORY | I | 2 |
| 15 | SURCHARGE | S | 4 |
| 16 | CONTAINER-CHRG | S | 4 |
| 17 | WAREHOUSE-NBR | X4 | 4 |
| 18 | BIN-NUMBER | X4 | 4 |
| | | 78 | |
| | | +4 | |
| | | 820 | |
| | | 3200 | |

ORDER-STATUS X }
 PICK-LIST-COUNT X }

Item sequence based on order of fixation in ENTER ORDERS

DATA BASE OEDB

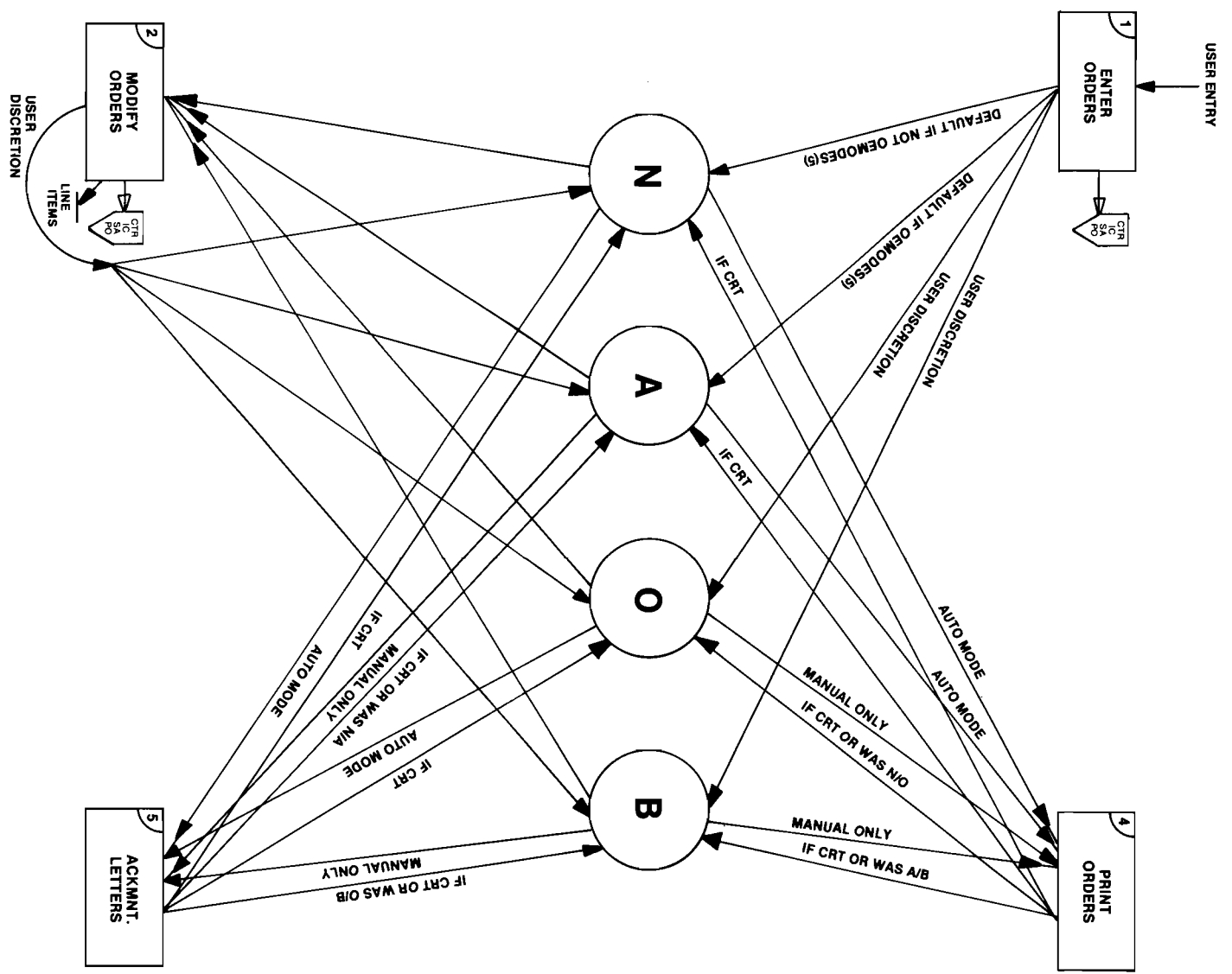
ACTION STATUS



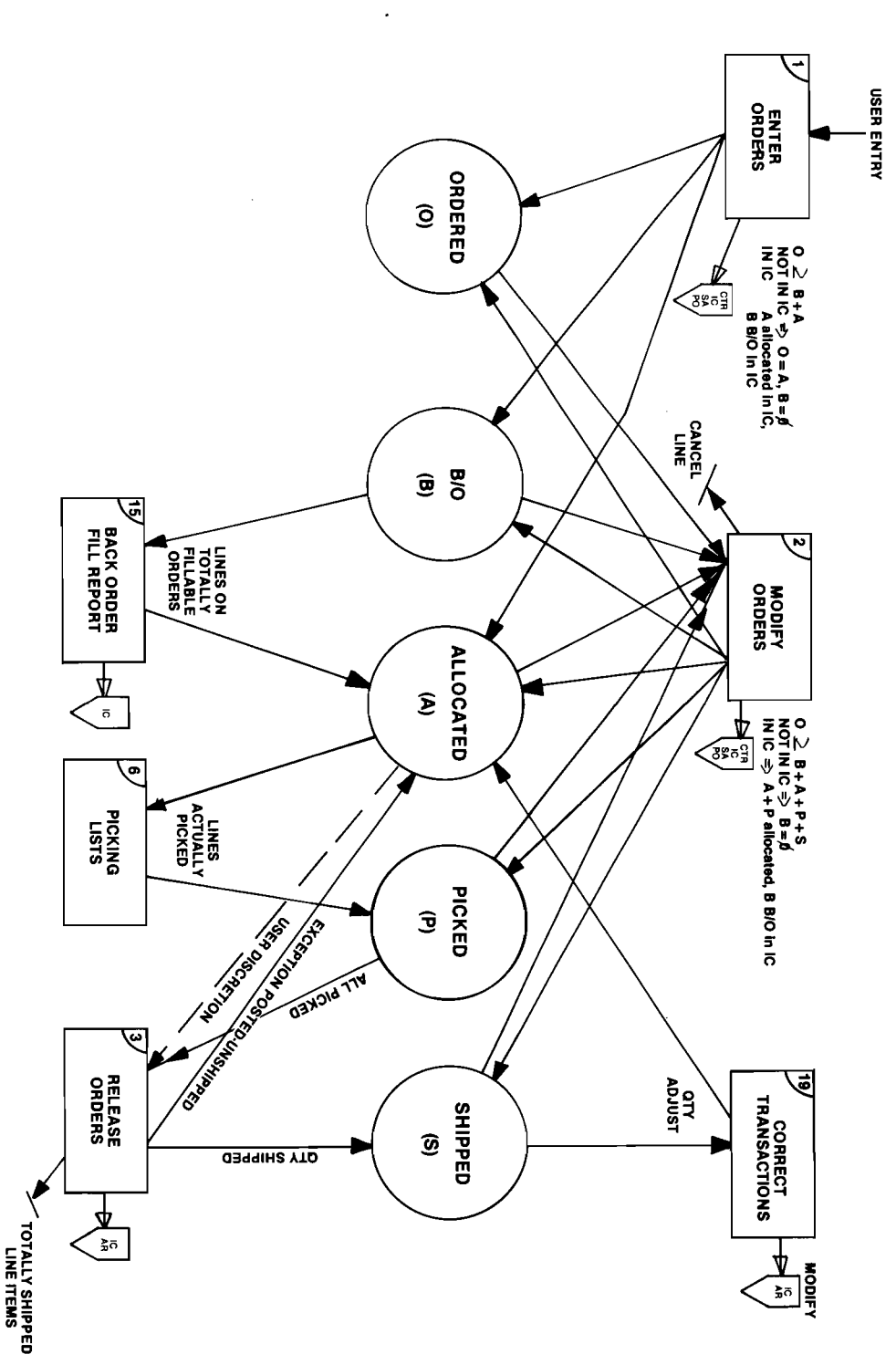
The following functions are restricted to AO orders only:
 6—PICKING LISTS
 15—BACK ORDER FILL REPORT

- only those functions which affect status are shown
- indicates "flow" of order(s)
- indicates orders in OEDB.
- indicates function <N>
- indicates sending of transactions or update CTRACT
- indicates DBPURGE

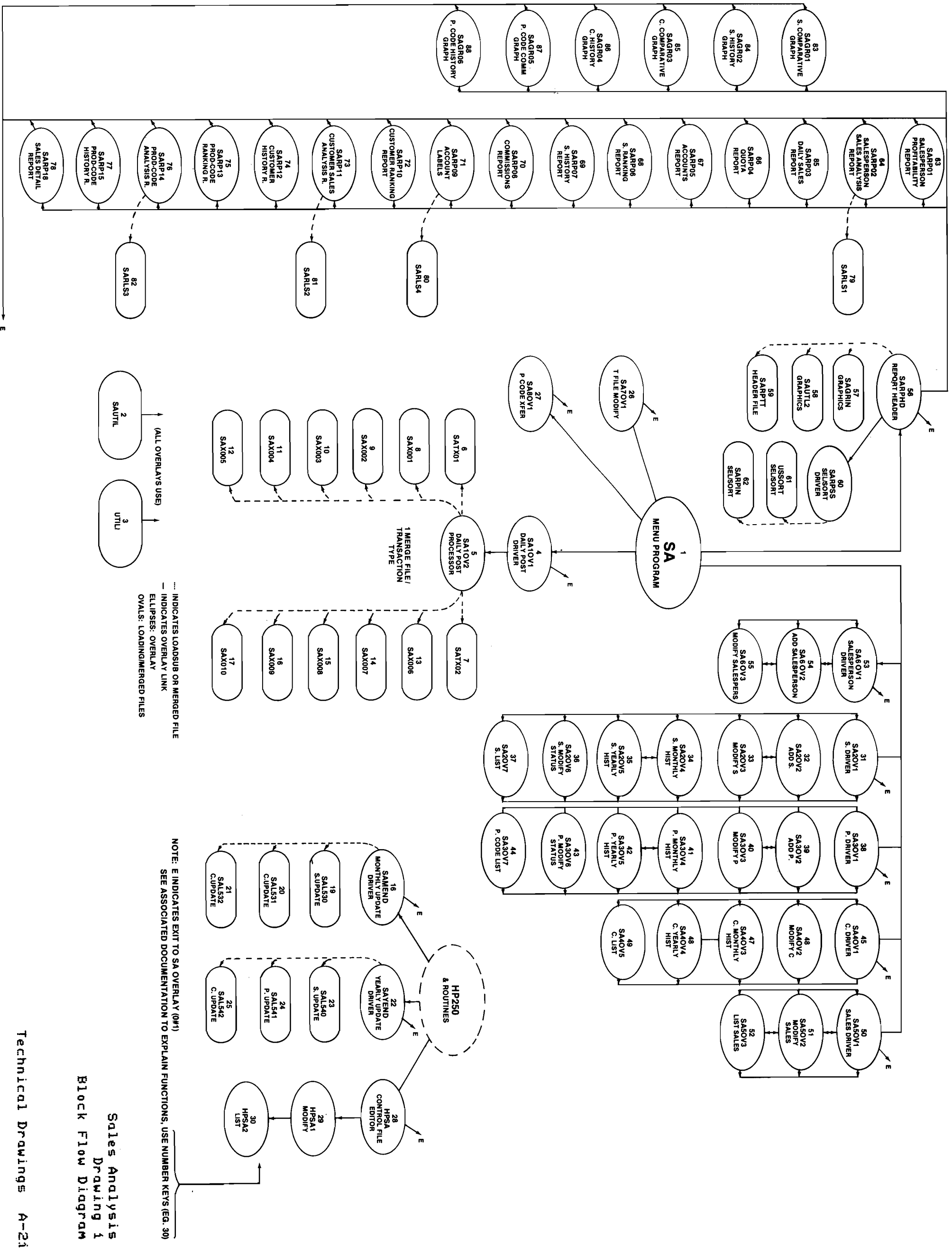
ORDER STATUS



Order Entry
 Drawing 3
 Status State Diagram



Order Entry
Drawing 4
QTY State Diagram



Sales Analysis Drawing 1 Block Flow Diagram

DAILY—SALES, DETAIL
5

| | |
|-----------------|----|
| CUSTOMER-NO | S |
| SALESPERSON-NO. | I |
| PRODUCT-CODE | X2 |
| DAILY-SALES | S |
| DAILY-COST | S |
| DAILY-RET | S |
| RETURN-CODE | I |

C = 450
M = 34

SALES, DETAIL
4

| | |
|-----------------|----|
| CUSTOMER-NO. | I |
| SALESPERSON-NO. | S |
| PRODUCT-CODE | X2 |
| YTD-SALES | X2 |
| MTD-SALES | S |
| YTD-COST | S |
| MTD-COST | S |
| YTD-RET | S |
| MTD-RET | S |
| DATE-LAST-SALE | 3I |

C = 6000 OR
C = 12000 (MAX)
M = 50

CUSTOMER, MASTER
2

| | |
|-----------------|-----|
| CUSTOMER-NO. | S |
| CUSTOMER-NAME | X30 |
| PRIORITY-C. | I |
| DEFAULT-SPERS | I |
| COST-CENTER-C. | I |
| INACTIVE-C. | I |
| YTD-SALES-C. | S |
| MTD-SALES-C. | S |
| YTD-COST-C. | S |
| MTD-COST-C. | S |
| YTD-RET-C. | S |
| MTD-RET-C. | S |
| YTD-PROFIT-C. | S |
| MTD-PROFIT-C. | S |
| BAD-DEBT-FLAG | I |
| YTD-BAD-DEBT-C. | L |
| MTD-BAD-DEBT-C. | L |
| BD-INV-DATE-C. | I |
| YTD-P-PROFIT-C. | I |
| MTD-P-PROFIT-C. | I |
| YTD-TEMP-C. | S |
| MTD-TEMP-C. | S |
| CUST-REGION | I |

C = 700
M = 132

SALESPERSON, MASTER
1

| | |
|-----------------|-----|
| SALESPERSON-NO. | I |
| SALESPERS-NAME | X30 |
| SALES-REGION | I |
| COST-CENTER-S. | I |
| YTD-QUOTA-S. | S |
| OVERHEAD-EXP. | I |
| INACTIVE-S. | I |
| YTD-SALES-S. | S |
| MTD-SALES-S. | S |
| YTD-COST-S. | S |
| MTD-COST-C. | S |
| YTD-RET-S. | S |
| MTD-RET-S. | S |
| YTD-PROFIT-S. | S |
| MTD-PROFIT-S. | S |
| TOT-CUST-S. | I |
| NEW-CUST-S. | I |
| YTD-BAD-DEBT-S. | L |
| MTD-BAD-DEBT-S. | L |
| YTD-P-QUOTA-S. | I |
| MTD-P-QUOTA-S. | I |
| YTD-P-PROFIT-S. | I |
| MTD-P-PROFIT-S. | I |
| YTD-SD-EXP-S. | S |
| MTD-SD-EXP-S. | S |
| YTD-TEMP-S. | S |
| MTD-TEMP-S. | S |
| MTD-QUOTA-S. | S |
| COMMISSIONS | L |
| COMM-RATE-S. | I |

C = 50
M = 158

PROD-CODE, MASTER
3

| | |
|-----------------|-----|
| PRODUCT-CODE | X2 |
| PROD-DESCRIPT | X30 |
| COMMISSION-RATE | I |
| COST-CENTER-P. | I |
| INACTIVE-P. | I |
| YTD-SALES-P. | S |
| MTD-SALES-P. | S |
| YTD-COST-P. | S |
| MTD-COST-P. | S |
| YTD-RET-P. | S |
| MTD-RET-P. | S |
| YTD-PROFIT-P. | S |
| MTD-PROFIT-P. | S |
| YTD-P-PROFIT-P. | S |
| MTD-P-PROFIT-P. | I |
| YTD-TEMP-P. | I |
| MTD-TEMP-P. | S |
| PROD-REGION | I |

C = 100
M = 104

CUSTOMER-HIST, DETAIL
6

| | |
|------------------|-----|
| CUSTOMER-NO. | S |
| YEARLY-SALES-C. | 5S |
| MONTHLY-SALES-C. | 12S |
| YEARLY-COST-C. | 5S |
| MONTHLY-COST-C. | 12S |
| YEARLY-RET-C. | 5S |
| MONTHLY-RET-C. | 12S |
| YEARLY-PROF-C. | 5S |
| MONTHLY-PROF-C. | 12S |

C = 700
M = 280

SALESPERS-HIST, DETAIL
8

| | |
|------------------|-----|
| SALESPERSON-NO. | 5S |
| YEARLY-SALES-S. | 12S |
| MONTHLY-SALES-S. | 5S |
| YEARLY-COST-S. | 12S |
| MONTHLY-COST-S. | 5S |
| YEARLY-QUOTA | 12S |
| MONTHLY-QUOTA | 5S |
| YEARLY-NEW-CUS. | 12S |
| MONTHLY-NEW-CUS. | 5S |
| YEARLY-TOT-CUS. | 12S |
| MONTHLY-TOT-CUS. | 5S |
| YEARLY-RET-S. | 12S |
| MONTHLY-RET-S. | 5S |
| YEARLY-PROF-S. | 12S |
| MONTHLY-PROF-S. | 5S |

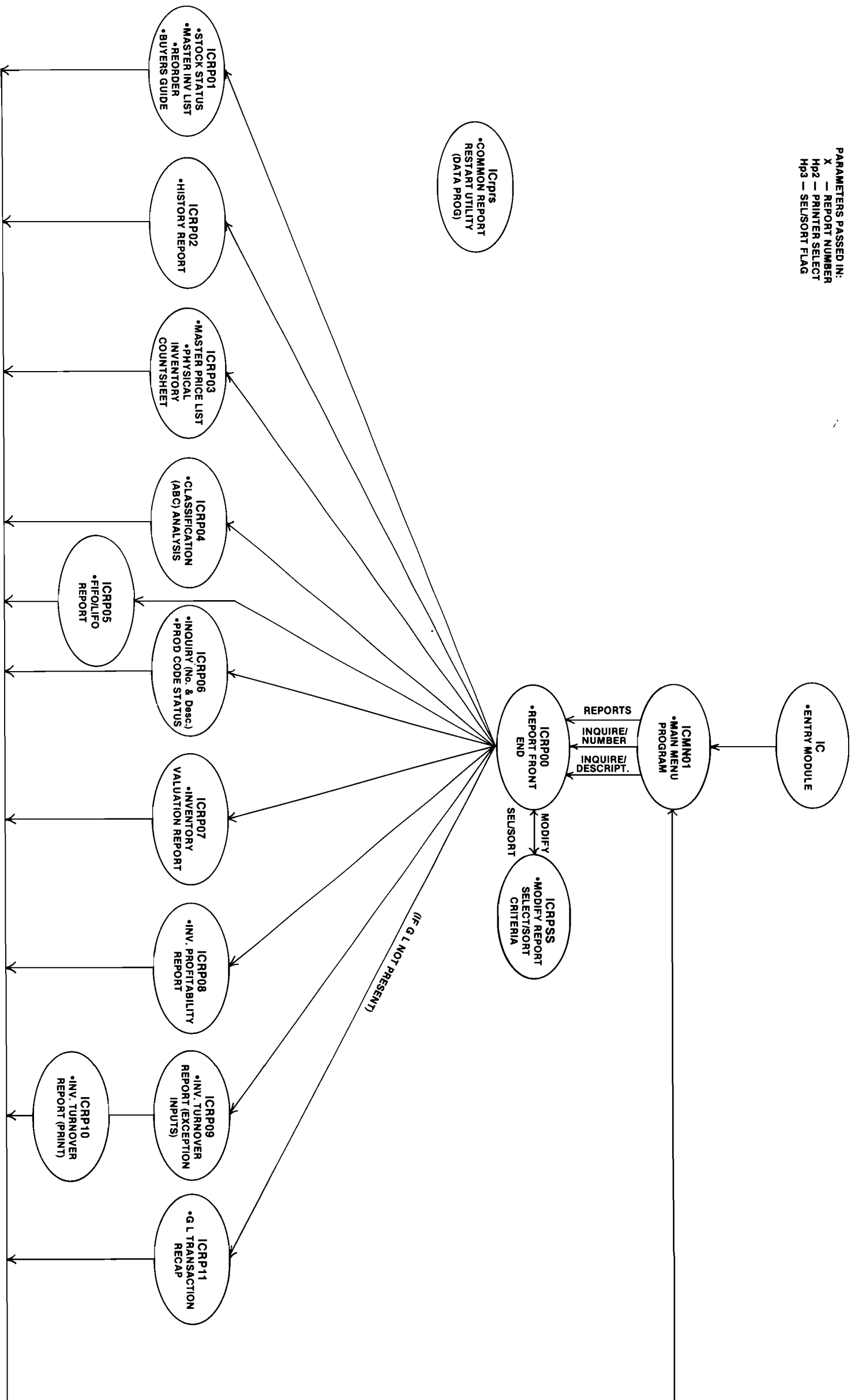
C = 50
M = 414

PROD-CODE, HIST, DETAIL
7

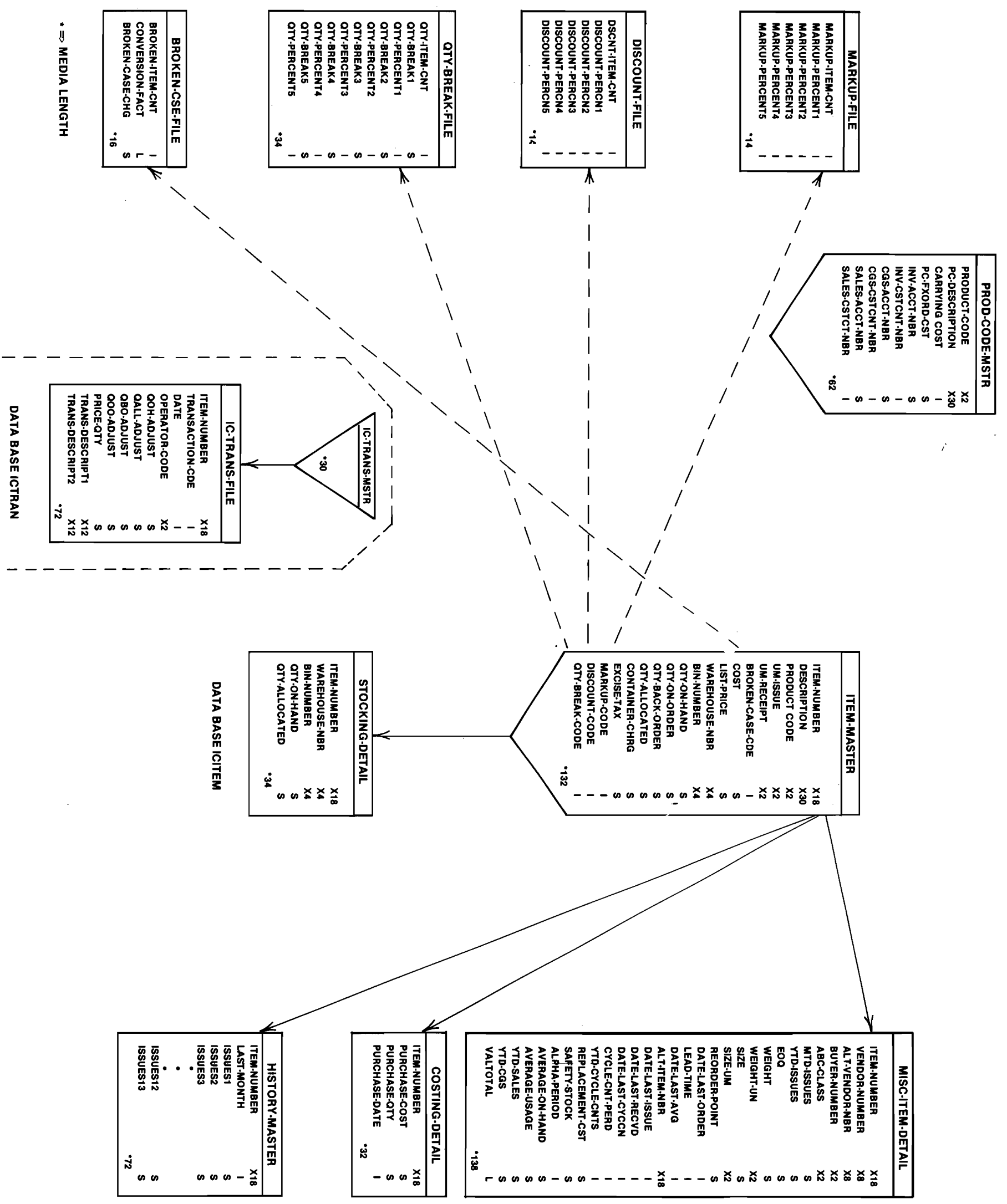
| | |
|------------------|-----|
| PRODUCT-CODE | X2 |
| YEARLY-SALES-P. | 5S |
| MONTHLY-SALES-P. | 12S |
| YEARLY-COST-P. | 5S |
| MONTHLY-COST-P. | 12S |
| YEARLY-RET-P. | 5S |
| MONTHLY-RET-P. | 12S |
| YEARLY-PROF-P. | 5S |
| MONTHLY-PROF-P. | 12S |

C = 100
M = 278

PARAMETERS PASSED IN:
 X — REPORT NUMBER
 Hp2 — PRINTER SELECT
 Hp3 — SELSORT FLAG



Inventory Control
 Drawing 2
 Report Block Flow



Inventory Control
Drawing 3
Data Base Diagram

INVENTORY TRANSACTIONS

| TRANS CODE | TYPE | QOH | QALL | QBO | QOO | PRICE/ QTY | TRANS- DESCRIPT1 | TRANS- DESCRIPT2 |
|------------|---------------------------------------|-----|------|-----|-----|-------------|-----------------------|------------------|
| 10 | RECEIVE ITEMS | + | | | ± | UNIT COST | LOCATION** | P.O. NUMBER |
| 20 | SALES RETURNS | + | | | | UNIT COST | LOCATION** | SELL PRICE |
| 30 | STOCK TRANSFERS | + | | | | | FROM LOCATION** | TO LOCATION** |
| 40 | PURCHASE COST ADJUST | + | | | | UNIT ±ACOST | VENDOR NBR | P.O. NUMBER |
| 50 | ALLOCATE ITEMS | | ± | ± | | | LOCATION** | ORDER NUMBER |
| 60 | ORDER ITEMS | | | | ± | | VENDOR NBR | P.O. NUMBER |
| 70 | DROP SHIP ALLOCATE | | ± | | | SELL PRICE | CUSTOMER NBR | ORDER NUMBER |
| 80 | SHIP ITEMS | - | ± | ± | | SELL PRICE | LOCATION** | INVOICE NUMBER |
| 90 | WRITEOFF ITEMS | - | | | | | GENERAL LEDGER NUMBER | |
| 100 | COUNT ADJUSTMENT | + | | | | | LOCATION** | |
| 110 | RECOUNT ADJUSTMENT | + | | | | | GENERAL LEDGER NUMBER | LOCATION** |
| 5000-5999 | USER DEACTIVATED (DELETE TRANSACTION) | | | | | | | |
| 6000-6999 | MACHINE DEACTIVATED (POST FUNCTION) | | | | | | | |

**LOCATION: (4 BYTES) (4 BYTES)
 [WAREHOUSE] & [BIN NUMBER]
 (BLANK INDICATES PRIMARY WAREHOUSE)