Affordable, Adaptable ERP Software

Fitrix

Bill of Materials User Guide

Version 5.40

Copyright

Copyright (c) 1988-2015 Fourth Generation Software Solutions. All rights reserved. No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form by any means without the written permission of Fourth Generation Software Solutions.

Software License Notice

Your license agreement with Fourth Generation Software Solutions, which is included with the product, specifies the permitted and prohibited uses of the product. Any unauthorized duplication or use of Fitrix INFORMIX-4GL version, in whole or in part, in print, or in any other storage and retrieval system is forbidden.

Licenses and Trademarks

Fitrix is a registered trademark of Fourth Generation Software Solutions. Informix is a registered trademark of Informix Software, Inc. UNIX is a registered trademark of AT&T.

FITRIX ACCOUNTING MANUALS ARE PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND, FURTHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE FITRIX ACCOUNTING MANUALS IS WITH YOU. SHOULD THE FITRIX ACCOUNTING MANUALS PROVE DEFECTIVE, YOU (AND NOT FOURTH GENERATION SOFTWARE SOLUTIONS SOFTWARE OR ANY AUTHORIZED REPRESENTATIVE OF FOURTH GENERATION SOFTWARE SOLUTIONS) ASSUME THE ENTIRE COST OF ALL NECESSARY SERVICING, REPAIR, OR CORRECTION IN NO EVENT WILL FOURTH GENERATION SOFTWARE SOLUTIONS BE LIABLE TO YOU FOR ANY DAMAGES, INCLUDING ANY LOST PROFITS, LOST SAVINGS, OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF OR INABILITY TO USE SUCH FITRIX ACCOUNTING MANUALS, EVEN IF FOURTH GENERATION SOFTWARE SOLUTIONS OR AN AUTHORIZED REPRESENTATIVE OF FOURTH GENERATION SOFTWARE SOLUTIONS HAS BEE ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, OR FOR ANY CLAIM BY ANY OTHER PARTY. IN ADDITION, FOURTH GENERATION SOFTWARE SOLUTIONS SHALL NOT BE LIABLE FOR ANY CLAIM ARISING OUT OF THE USE OF OR INABILITY TO USE SUCH FITRIX SOFTWARE OR MANUALS BASED UPON STRICT LIABILITY OR FOURTH GENERATION SOFTWARE SOLUTIONS'S NEGLIGENCE. SOME STATES DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, SO THE ABOVE EXCLUSION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE.

Fourth Generation Software Solutions

100 Galleria Parkway, Suite 1020

Atlanta, GA 30339

www.fitrix.com

Corporate: (770) 432-7623

Fax: (770) 432-3447

E-mail: sales@fitrix.com

Copyright (c) 1988-2015 - Fourth Generation Software Solutions Corporation - All rights reserved.

No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system or translated.

TABLE OF CONTENTS

Table of Contents iii

Chapter 1: Introduction to Bill of Material 6

General Description 6

Features 6

Before You Begin 7

Setup 7

Item Substitutions 7

Update Inventory Information 8

Bill of Material Maintenance 8

Processing 8

Inquiries 9

Reporting 9

Chapter 2: Setup Bill of Material 10

File Maintenance Menu 10

Setup Bill of Material 11

Accounting Codes 12

Item Substitutions 13

Product Codes 14

Group Codes 15

Planner Codes 16

Chapter 3: Bill of Material Maintenance 17

Bill of Material Maintenance 18

Bill of Materials – HEADER screen 18

Additional HEADER Detail screen 20

Component Detail screen 21
Copy Bill screen 22
Routing screen 23
Bill of Material Notes 24
Bill of Material Reference Designators 25
Component Mass Change/Delete 26

Chapter 4: Processing 27

Processing Menu 28
Set Low-Level Codes 29
CMLT Calculator 31
EOQ Calculator 33

Chapter 5: Inquiries 35

The Inquiries Menu 36
Single-Level Bill 37
Indented Bill 39
Component Where-Used – Single-Level 43
Component Where-Used – Indented 45
Item Availability Inquiry 49

Chapter 6: Reports 58

Reports Menu 59
Indented Bill 60
Single-Level Bill 61
Item List 62
Component Where-Used – Single-Level 63
Component Where-Used – End Item 64
Component Effectivity 65

Index 68

CHAPTER 1: INTRODUCTION TO BILL OF MATERIAL

This chapter contains basic information about Fitrix Bill of Material. It is designed to give readers a general description of the Fitrix Bill of Material system, a brief explanation of feature, and a general overview before setting up the module.

GENERAL DESCRIPTION

Bill of Material defines the material structure of a manufactured item. It does this by creating relationships, known as bills of material, between purchased and manufactured items defined in Inventory Control. This chapter is designed for readers who want to know how Bill of Material is used to define the material structure of items, and how these structures are used in other Fitrix modules. It describes the major functionality of Bill of Material and provides brief descriptions of the features that are offered in the application.

FEATURES

To produce an item, one or more component items are needed. The component items might be purchased items, raw material items, or items that are themselves manufactured. These relationships are known as bills of material. The components needed to produce a 'parent item' are known as a single-level bill of material. And since some components are also manufactured items, the relationship of an item which is manufactured and sold, to the items that are purchased, is known as a muli-level (or indented) bill of material. The Bill of Material module is used to define these relationships. Multiple Fitrix modules to plan and produce items use the information defined here.

The following features are included in Bill of Material:

Centralized, Reusable Bills of Material

Bills of material are entered into one table that is accessible to other Fitrix applications when needed. Indented bills of material can be defined. Components can be entered in a user-defined sequence, for total control of presentation format

User-Defined Control Tables

Each item in the item master table can be associated with one or more control tables, to facilitate user-oriented queries and reports for item status, movement, sales activity, purchase history, production statistics, etc. The user-defined control tables to which items can be linked are as follows:

- **Accounting Code** – Easy cross-reference to G/L account numbers
- **Product Code** - User controlled definitions
- **Group Code** - User controlled definitions

- **Planner Code** - User controlled definitions

Standard Routing Integration

BEFORE YOU BEGIN

Before you can use Bill of Material, you must first complete “setup” of the module. Setup is the process by which you enter all of the information required to begin entering bills of material into the system. Setup includes entry of basic “control” information that the programs need to run, and entry of user-defined control table information.

SETUP

There are two aspects of setup: Company Setup and Bill of Material setup.

Company setup includes entering basic control information that the programs need to run, such as company information, and administrative information. This basic setup information is covered in the ***Getting Started with Fitrx User Guide***. Because the menu options used for company and administration pertain to the company as a whole, the menu options used to do this initial company setup are located under the General/Administrative menu on the Company Setup menu. You only need to perform this setup procedure once for the system.

Module-specific setup, on the other hand is required for each module you have installed. The following option, accessed from the Bill of Material/File Maintenance menu, is used for module setup:

Setup Bill of Material (2-2-1-h)

In addition, you can use the following options, accessed from the Bill of Material File Maintenance menu, to enter reference information that will be used during Bill of Material Maintenance

Accounting Codes (2-2-1-b)

Product Codes (2-2-1-d)

Group Codes (2-2-1-e)

Planner Code (2-2-1-f)

These options allow you to set up (and update) special codes and definitions, which are referenced on a regular basis when entering bills of material. These steps are described in detail later in this manual.

ITEM SUBSTITUTIONS

Use this option (2-2-1-c) to enter one or more substitutions for component items in the Inventory Information table. These substitutions can then be accessed when entering production work orders and one or more components are not available.

UPDATE INVENTORY INFORMATION

Items are created in the Inventory Control module, using Update Inventory Information (option 2-1-1-a). An additional window exists to enter manufacturing-related information. This window allows the user to identify, for example:

- The item is manufactured or purchased
- The item's product, group, planner, and accounting codes
- If the item is a phantom
- The item's default accounting, bill of material and routing codes

BILL OF MATERIAL MAINTENANCE

Use this option (2-2-1-a) to maintain single-level bills of material. You can define multiple bills of material for a single item. The 'Default Bill of Material' code in the Inventory Information master indicates the bill that will be used by other modules for planning and execution.

PROCESSING

Processing options support file maintenance functions, which require additional time to complete. They perform reviews and updates to multiple entries at the same time, and are typically referred to as a batch process. The processing options are:

Set Low Level Codes (2-2-2-a) - low level code is automatically assigned to every item, by determining its lowest level in any indented bill of material. An item not used as a component in ANY bill of material is assigned a low level code of 0. The MRP Generation in Material Planning, and the Cost Rollup in Standard Costing use these codes.

CMLT Calculator (2-2-2-b) – Each item that has a bill of material is analyzed to determine the Cumulative Material Lead-time (CMLT). This is the total time in days it would take to produce an item, assuming there is NO material available at all levels in the bill of material. It includes:

The lead time to produce the item itself based on the he lead time to produce manufactured components

The lead-time to procure purchased items

EOQ Calculator (2-2-2-c) – Calculates the Economic Order Quantity for items. The Material Planning application can be configured to plan production or purchase of items based on their EOQ values.

INQUIRIES

Inquiries are used to review an item’s bill of material and component usage in a screen format.

Single Level Bill (2-2-3-a)

Indented Bill (2-2-3-b)

Component Where-Used – Single Level (2-2-3-c)

Component Where-Used – Indented (2-2-3-d)

Item Availability (2-2-3-e)

REPORTING

Inquiries are used to review an item’s bill of material and component usage in a printed format.

Indented Bill (2-2-4-a)

Single-Level Bill (2-2-4-b)

Item List (2-2-4-c)

Component Where-Used – Single-Level (2-2-4-d)

Component Where-Used – End Item (2-2-4-e)

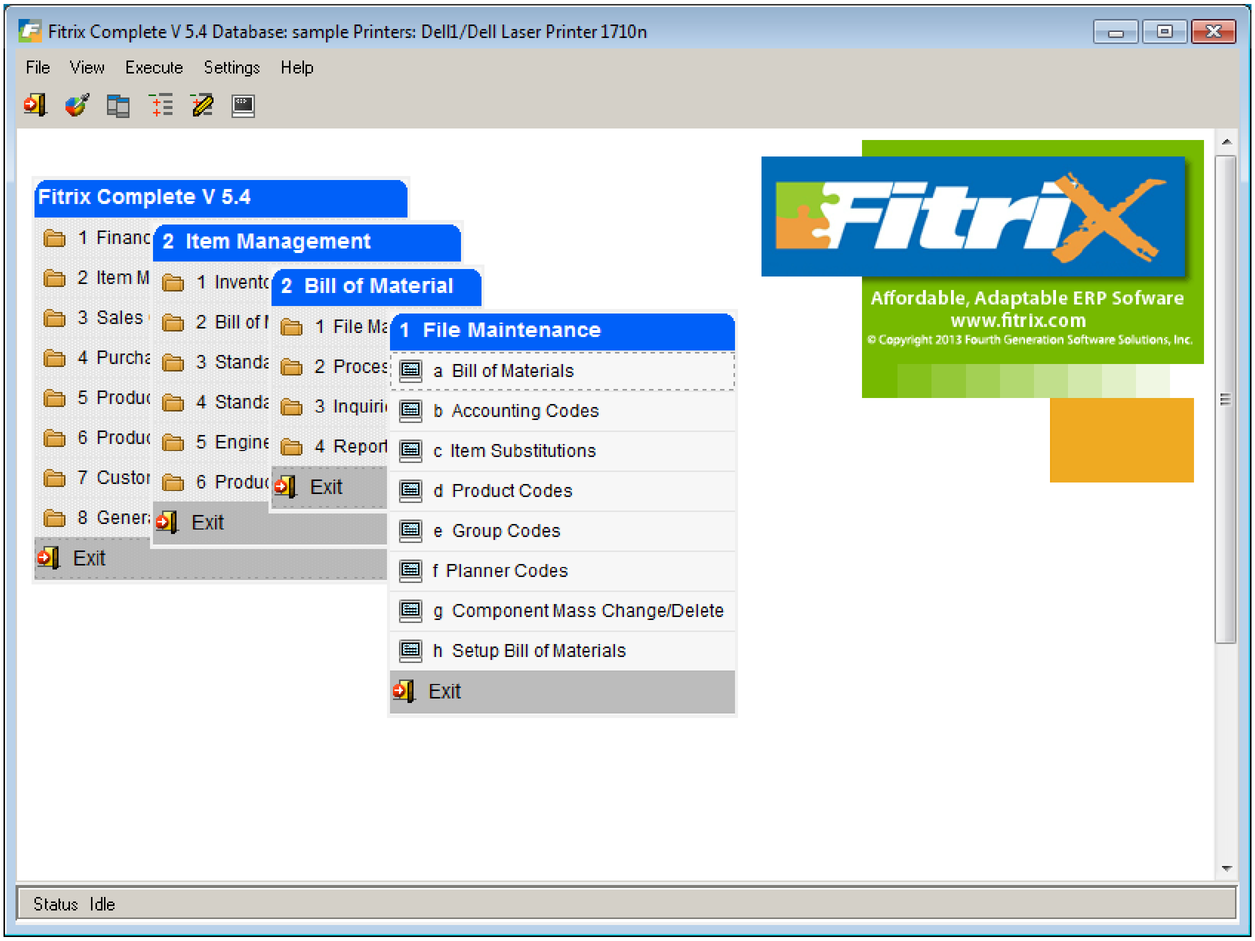
Component Effectvitiy (2-2-4-f)

CHAPTER 2: SETUP BILL OF MATERIAL

This chapter covers the options, screens, and fields you use to set up the Bill of Material module. It is assumed that if you are reading this chapter for setup reference, you have already done the basic Company setup that is required before you can set up any Fitrix module. For a more complete discussion of the Company setup, see *Getting Started with Fitrix*.

FILE MAINTENANCE MENU

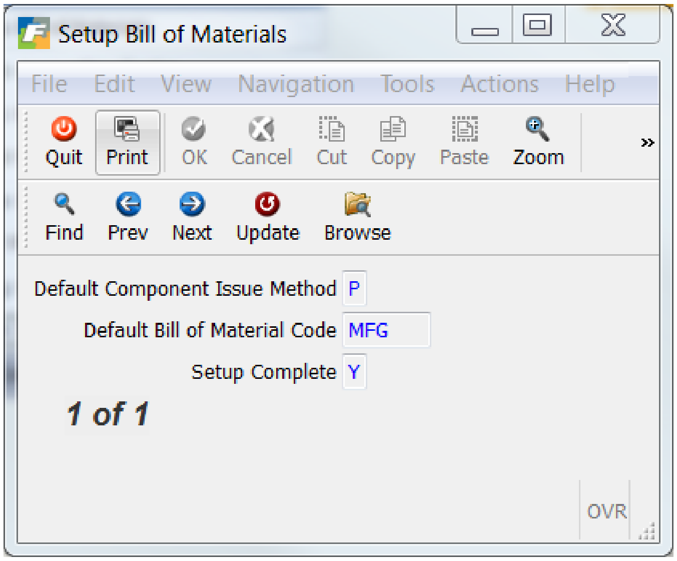
This menu provides options for setting up the module, and entering reference and default information.


Fitrix Complete V 5.4 Database: sample Printers: Dell1/Dell Laser Printer 1710n
File View Execute Settings Help
Fitrix Complete V 5.4
1 Financ
2 Item M
3 Sales
4 Purcha
5 Produc
6 Produc
7 Custor
8 Gener
Exit
2 Item Management
1 Invento
2 Bill of M
3 Standa
4 Standa
5 Engine
6 Produc
Exit
2 Bill of Material
1 File Ma
2 Proces
3 Inquiri
4 Report
Exit
1 File Maintenance
a Bill of Materials
b Accounting Codes
c Item Substitutions
d Product Codes
e Group Codes
f Planner Codes
g Component Mass Change/Delete
h Setup Bill of Materials
Exit
Affordable, Adaptable ERP Sofware
www.fitrix.com
© Copyright 2013 Fourth Generation Software Solutions, Inc.
Status Idle

The Bill of Material File Maintenance Menu provides options for updating module defaults, and creating entries in reference tables used during Order and Transaction Processing. The options should be accessed in the following order, except where noted.

SETUP BILL OF MATERIAL

This menu option (2 2 1-h) allows you to setup default values for the module. The following screen displays:



Default Component Issue Method P

Default Bill of Material Code MFG

Setup Complete Y

1 of 1

When you enter item information and bills of material, the system automatically assigns default values to some of the information fields. The default values may come from a number of different places, depending on the type of data. By automatically filling fields with default data the system saves the user from having to enter information for each transaction. You can overwrite most default values by simply entering the desired value.

The data in the Setup Bill of Material screen is unique to each company's database. Notice that the screen contains only one entry (the screen displays (1 of 1) at the bottom of the screen). Therefore, the commands on the command prompt are disabled, with the exception of Update and Quit. For example, you cannot Use Find because there is only one entry to find and it shows up automatically.

If your system is setup to run more than one company, you must enter defaults for each company.

The screen contains the following fields:

Default Component Issue Method – When adding components to a bill of material, this value will automatically be filled in. The possible values are:

P – Issue components at the same time as a Production Receipt transaction.

C – Issue components with the Component Issue transaction.

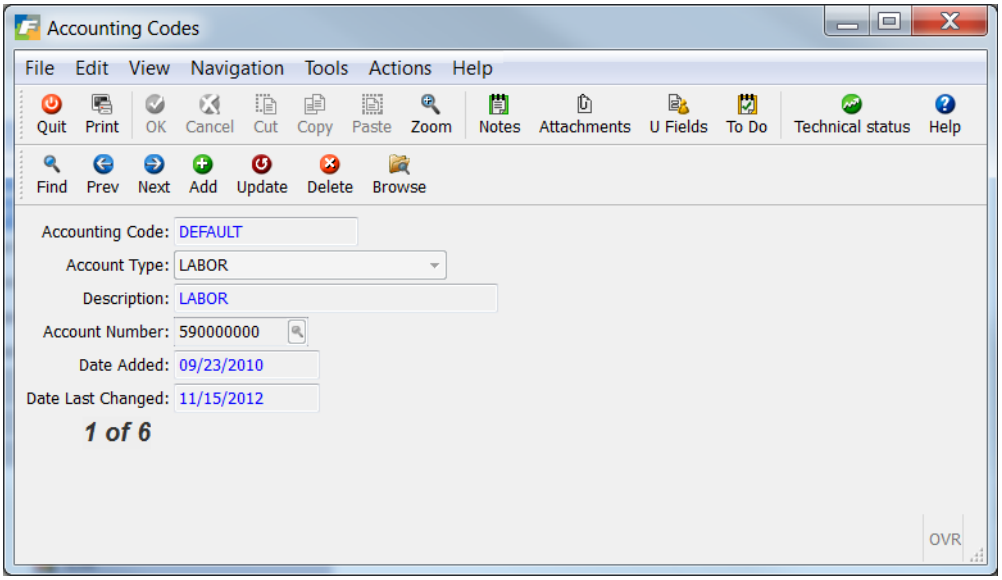
Default Bill of Material Code – When you access the 'Mfg – Base' screen from Update Inventory Information, this value will automatically fill in

Setup Complete – Enter Y (yes) or N (no)

ACCOUNTING CODES

This menu option is used to setup and maintain the Accounting information. Accounting codes provide a cross reference between manufacturing transactions and the General Ledger account that they affect and you enter an accounting code in the production work order entry program. Rather than define G/L account numbers directly in the production module tables, you use accounting codes. The accounting code entries define the actual account numbers to be used for a variety of production related transactions such as which work in process account numbers should be debited and credited when components are issued and production receipts for the finished goods are processed.

The following screen is displayed:


Accounting Codes
File Edit View Navigation Tools Actions Help
Quit Print OK Cancel Cut Copy Paste Zoom Notes Attachments U Fields To Do Technical status Help
Find Prev Next Add Update Delete Browse
OVR

Accounting Code: DEFAULT
Account Type: LABOR
Description: LABOR
Account Number: 590000000
Date Added: 09/23/2010
Date Last Changed: 11/15/2012
1 of 6

The Accounting Codes screen contains the following fields:

Accounting Code – Enter a unique identifier

Account Type - Select the account type from one of the predefined types: Material, Non-Stock Material, WIP Receipt, Labor, Overhead, or Outside Process.

Description - You enter a description for the account type selected (up to 25 characters) in this field.

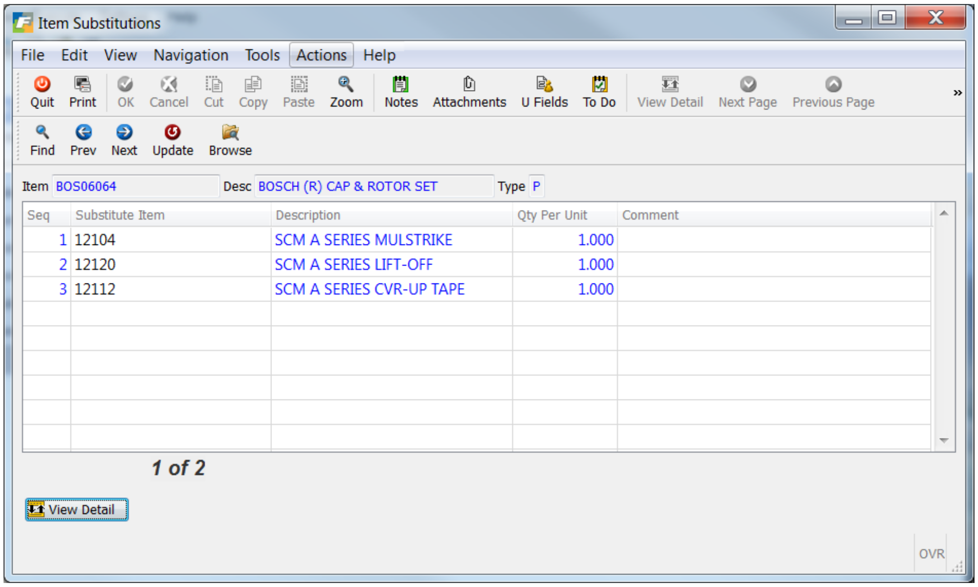
Account Number – Enter the G/L account number associated with this account type.

Date Added – The system will automatically record the date this row was added.

Date Last Changed –The system will automatically record the date this row was last changed.

ITEM SUBSTITUTIONS

This menu option is used to setup and maintain items that can be used as substitutes for other items. For example, in cases where an item is needed in a production process, if it is not available in inventory, you may want to check inventory for a substitute item which could used in its place.


Item Substitutions
File
Edit
View
Navigation
Tools
Actions
Help
Quit
Print
OK
Cancel
Cut
Copy
Paste
Zoom
Notes
Attachments
U Fields
To Do
View Detail
Next Page
Previous Page
Find
Prev
Next
Update
Browse
View Detail
OVR

Item BOS06064 Desc BOSCH (R) CAP & ROTOR SET Type P

Seq	Substitute Item	Description	Qty Per Unit	Comment
1	12104	SCM A SERIES MULSTRIKE	1.000	
2	12120	SCM A SERIES LIFT-OFF	1.000	
3	12112	SCM A SERIES CVR-UP TAPE	1.000	

1 of 2

The following fields are available:

Item – enter the item code for which substitutes will be added

Desc (Description) – the description for the item is displayed

Type – M for manufactured, P for purchased

Substitute Items – enter one or more substitute items

Seq (Sequence) – the sequence in which the substitute should be displayed

Substitute Item – The item code for the substituting item

Description – The desctription for the substituting item

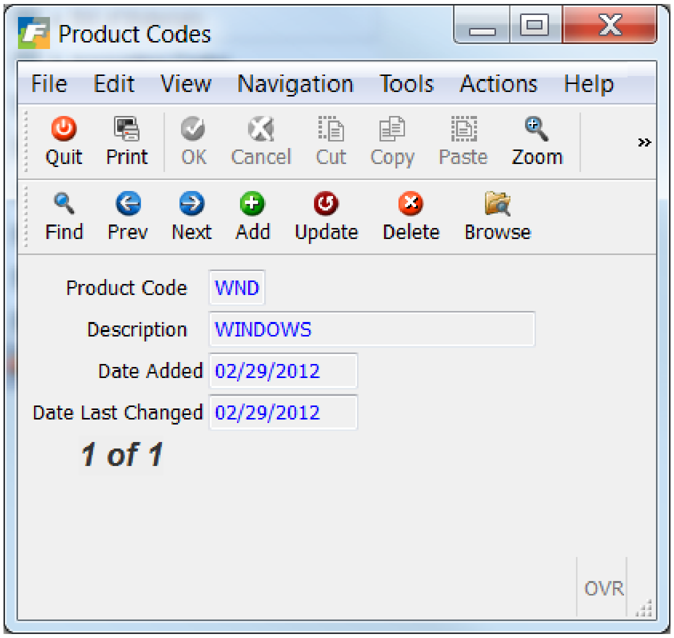
Qty Per Unit (Quantity per Unit) – when this substitute is used, enter the relationship between its quantity and the original item. If you must use a multiple or fraction of the the item being substituted, enter that quantity here. For example, if the orginal part is an item that is 12 inches long and the substitute part has a length of 6 inches, but is an acceptable substitute; enter quantity of 2 for item being substituted.

Comment – Enter a user-defined comment

PRODUCT CODES

Product codes allow you to enter and maintain a property and description that can be assigned to items on the Mfg-Base screen program accessible in the Update Inventory Information program. These codes can then be used to group items for external reporting.

When a product code is selected in Update Inventory Information, it is validated against this table.


Product Codes
File
Edit
View
Navigation
Tools
Actions
Help
Quit
Print
OK
Cancel
Cut
Copy
Paste
Zoom
Find
Prev
Next
Add
Update
Delete
Browse
OVR

Product Code WND

Description WINDOWS

Date Added 02/29/2012

Date Last Changed 02/29/2012

1 of 1

Product Code – Enter a unique identifier, up to 3 characters

Description – Enter descriptive text for the hold code.

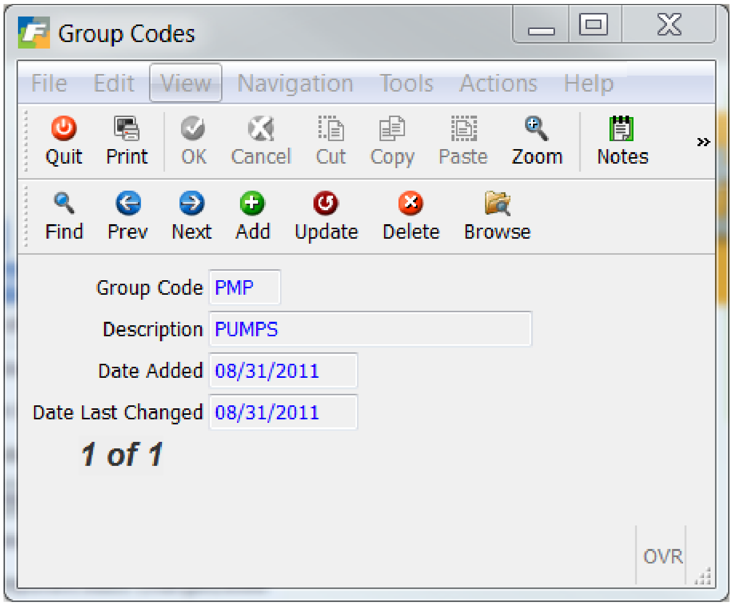
Date Added – The system will automatically record the date this row was added.

Date Last Changed –The system will automatically record the date this row was last changed.

GROUP CODES

Group codes allow you to enter and maintain a property and description that can be assigned to items on the Mfg-Base screen program accessible in the Update Inventory Information program. These codes can then be used to group items for external reporting.

When a group code is selected in Update Inventory Information, it is validated against this table.


Group Codes
File
Edit
View
Navigation
Tools
Actions
Help
Quit
Print
OK
Cancel
Cut
Copy
Paste
Zoom
Notes
Find
Prev
Next
Add
Update
Delete
Browse
OVR

Group Code PMP

Description PUMPS

Date Added 08/31/2011

Date Last Changed 08/31/2011

1 of 1

Group Code – Enter a unique identifier, up to 3 characters

Description – Enter descriptive text for the reason code.

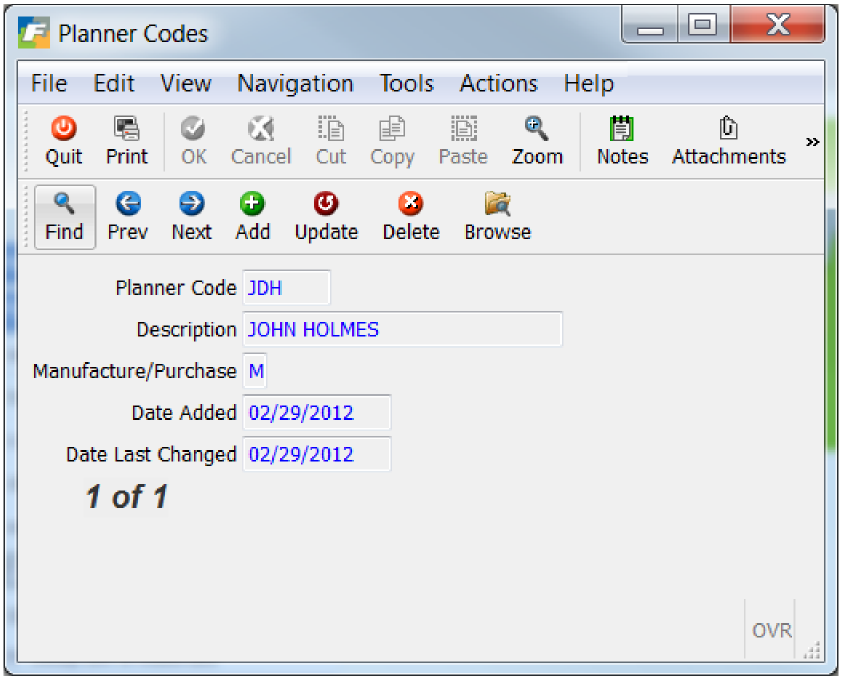
Date Added– The system will automatically record the date this row was added.

Date Last Changed –The system will automatically record the date this row was last changed.

PLANNER CODES

Planner codes allow you to enter and maintain a property and description that can be assigned to items on the Mfg-Base screen program accessible in the Update Inventory Information program. Reports in MRP can be run by planner code.

When a planner code is selected in Update Inventory Information, it is validated against this table.


Planner Codes
File Edit View Navigation Tools Actions Help
Quit Print OK Cancel Cut Copy Paste Zoom Notes Attachments
Find Prev Next Add Update Delete Browse
OVR

Planner Code JDH
Description JOHN HOLMES
Manufacture/Purchase M
Date Added 02/29/2012
Date Last Changed 02/29/2012
1 of 1

Planner Code – Enter a unique identifier, up to 5 characters

Description – Enter descriptive text for the reason code.

Manufacture/Purchase – Enter M is the planner code is normally associated with manufactured items, or P if for purchased items.

Date Added– The system will automatically record the date this row was added.

Date Last Changed –The system will automatically record the date this row was last changed.

CHAPTER 3: BILL OF MATERIAL MAINTENANCE

This chapter contains reference information about the different menu options used to maintain bills of material (option 1-a) and component mass changes and deletions (option1-g), and the screens and fields associated with these options.

For each menu option we briefly describe what the menu option does, show an example of the screen or report associated with the option, and describe each field on the data-entry screens.

BILL OF MATERIAL MAINTENANCE

Use this option (1-a) to enter or modify bills of material. The option consists of 3 primary screens:

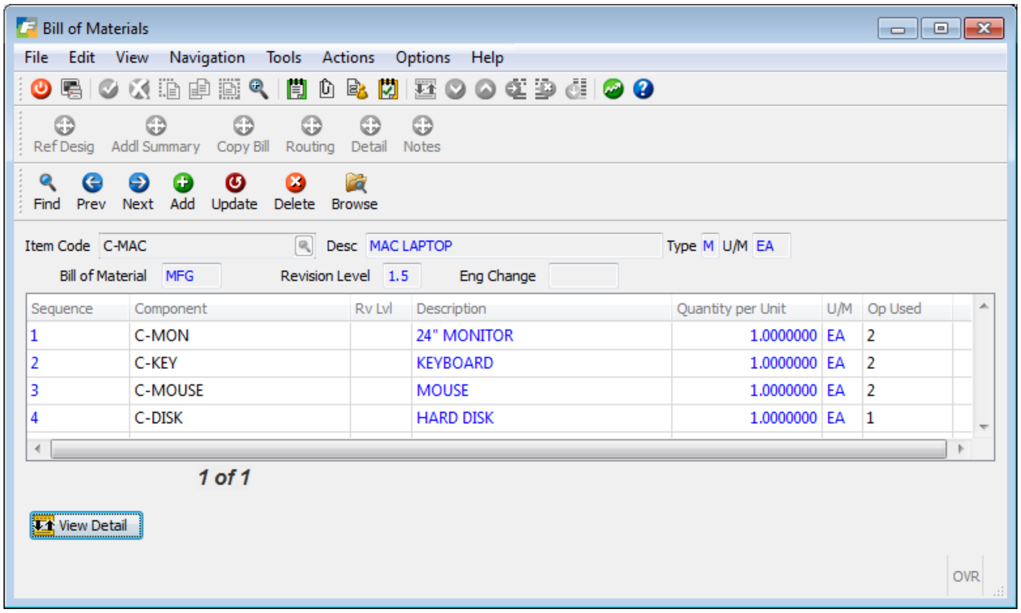
- Bill of Material Header
- Additional Header Detail
- Component Detail

Additonal screens in bill of material maintenance are:

- Copy Bill
- Routing
- Notes

BILL OF MATERIALS – HEADER SCREEN

When you select Bill of Material menu option, the following screen displays:


Bill of Materials
File
Edit
View
Navigation
Tools
Actions
Options
Help
Ref Desig
Addl Summary
Copy Bill
Routing
Detail
Notes
Find
Prev
Next
Add
Update
Delete
Browse
View Detail
OVR

Item Code C-MAC Desc MAC LAPTOP Type M U/M EA

Bill of Material MFG Revision Level 1.5 Eng Change

Sequence	Component	Rv Lvl	Description	Quantity per Unit	U/M	Op Used
1	C-MON		24" MONITOR	1.0000000	EA	2
2	C-KEY		KEYBOARD	1.0000000	EA	2
3	C-MOUSE		MOUSE	1.0000000	EA	2
4	C-DISK		HARD DISK	1.0000000	EA	1

1 of 1

Item Code – Enter the item code for the parent item in this bill of material. Zoom for a list of valid item codes.

Description – The entered item’s description displays automatically, for verification.

Type– This will display M for manufactured or P for purchased, however the item has been set up in the item master.

U/M – The default unit of measure as defined in the item master for the item is displayed.

Bill of Material – Enter a code to uniquely identify this bill of material for this parent item. The default from Setup Bill of Material will automatically be loaded, but you can change it.

> NOTE: The first bill of material entered for each item should use the default Bill of Material Code. Additional bills may be entered for the item, using alternative bill of material codes.

Revision Level – Enter an optional engineering revision level associated with this bill of material.

Eng Change (Engineering Change) – Enter an optional engineering change number, which generated this revision level.

Enter one or more component item codes

Sequence (required) – Enter the sequence number value for the component. When components are displayed or printed, they will typically be sorted by their sequence, then item code. This field also lets you place a component in the bill of material multiple times, with different sequence numbers. When used together with Standard Routing, this field also lets you associate a component with the routing step that uses it.

Component – Enter an item code for the component. Zoom for a list of valid item codes.

> NOTE 1: You cannot enter a component item code that is the same as the parent item code. If it is, an error message will display.
>
> NOTE 2: The system will verify that the component item code you enter is not used as a parent at any higher level in a bill of material. If it is, an error message will display.

Rv Lvl (Revision Level) – The component item’s engineering revision level will automatically display

Description – The component item’s description will automatically display

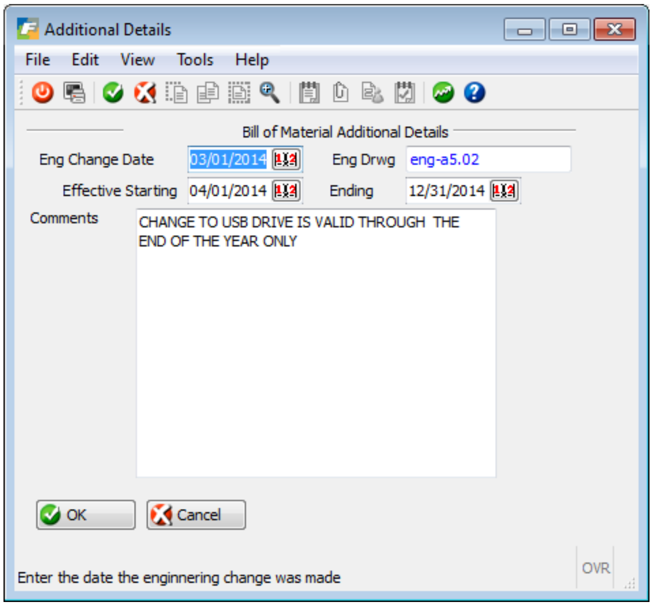
Quantity per Unit – Enter the component item’s quantity needed to produce one unit of the parent item. This number can be entered in a format of up to 9999999.9999999.

U/M - Unit of measure for component item is displayed

Op Used (Operation Where-Used) – Enter an optional routing step where this component is used.

ADDITIONAL HEADER DETAIL SCREEN

This screen displays when you click the Addl Summary button.



Bill of Material Additional Details

Eng Change Date 03/01/2014
Eng Drwg eng-a5.02
Effective Starting 04/01/2014
Ending 12/31/2014
Comments CHANGE TO USB DRIVE IS VALID THROUGH THE END OF THE YEAR ONLY

Enter the date the enginnering change was made

Eng Change Date (Engineering Change Date) – Enter an optional date when the last engineering change was implemented.

Eng Drwg (Engineering Drawing Number) – Enter an optional current engineering drawing number.

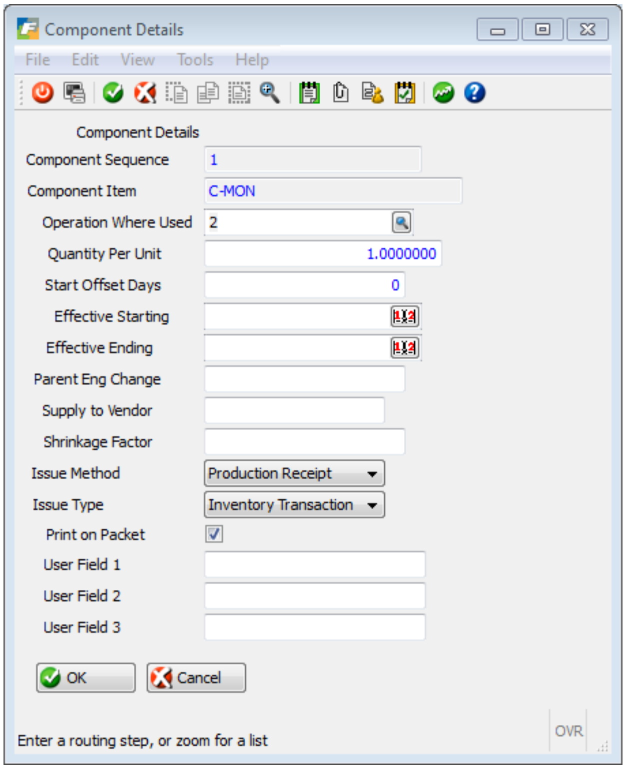
Effective Starting (Date) – Enter an optional date when this bill of material is effective.

Ending (Effective Ending Date) – Enter an optional effective ending date.

Comments – Enter optional additional text related to this bill of material.

COMPONENT DETAIL SCREEN

This screen displays when you are in the detail section of the screen and you click the Detail button.



Component Details

Component Sequence	1
Component Item	C-MON
Operation Where Used	2
Quantity Per Unit	1.0000000
Start Offset Days	0
Effective Starting	
Effective Ending	
Parent Eng Change	
Supply to Vendor	
Shrinkage Factor	
Issue Method	Production Receipt
Issue Type	Inventory Transaction
Print on Packet	☑
User Field 1	
User Field 2	
User Field 3	

Enter a routing step, or zoom for a list

Operation Where Used – Enter an optional routing step where this component is used (Optional).

Quantity per Unit – Enter the component item's quantity needed to produce one unit of the parent item. This number can be entered in a format of up to 9999999.9999999 (Required).

Start Offset Days – The number of workdays after the parent item's lead-time start that this component is needed. This offset can be used to generate a component requirement date that is some number of days after the start of a production order (Optional).

Effective Starting – The date when this component should be used on its parent item bill of material. Leave this value blank if you do not wish to use component effective dates (Optional).

Effective Ending – The date after which this component will no longer used on its parent item bill of material. Leave this value blank if you do not wish to use component effective date (Optional).

Parent Eng Change (Parent Engineering Change) – The parent eingineering change number that added this component to the bill of material.

Supply to Vendor –This field is reserved for future use.

Shrinkage Factor – Enter a factor to allow for planned loss of component material. This factor should be entered as a decimal value, and reflects the usable portion of a component requirement.

> Example: if the planned loss of a component material is 10%, this factor should be entered as 0.900

Issue Method – enter a code to indicate how this component should be issued from inventory when being used on a production order. The possible values are:

> C – the component will be issued from stock with the Component Issue transaction. This is typical when the production process involves a relatively long lead-time (such as a week or more).
>
> P – the component will be issued when the end item is received into inventory via the Production Receipt transaction. This is typical when the production process involves a short lead-time (such as less than one week).
>
> O – the component will be issued from stock with the Issue by Operation transaction. Each component which has an ‘Operation Used’ equal to the Operation being issued will be issued from inventory.
>
> N – the component will not be issued. This is typical of items that are sent to work in processs in bulk, or for items that are needed in the production process, but are not stocked items (engineering drawings, tooling, etc).
>
> V - reserved for future use to handle components issued to vendors for outside processes.

Issue Type – the possible values are:

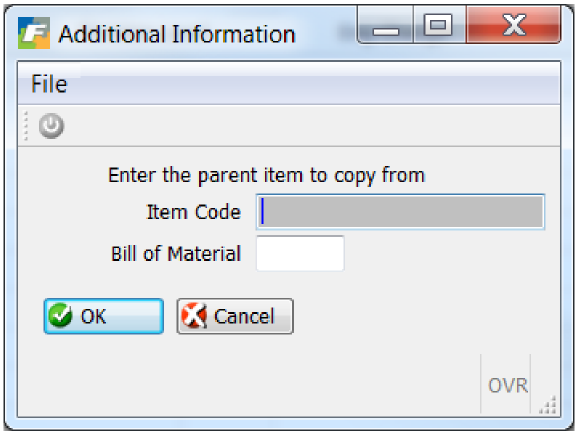
> T (transaction) – component is issued from inventory, and its associated cost per unit is used with the quantity to create a transaction for G/L.
>
> C (cost only) – component is not issued from inventory, but its cost per unit is used with the quantity to create a transaction for G/L.

Print on Packet – Y will print the component on the Production Packet document. N will not print the component on the Production Packet.

User Fields 1, 2 and 3 – enter optional additional information

COPY BILL SCREEN

This screen displays when you are in add mode and click the Copy Bill button.


Additional Information
File
OK
Cancel
OVR

Enter the parent item to copy from

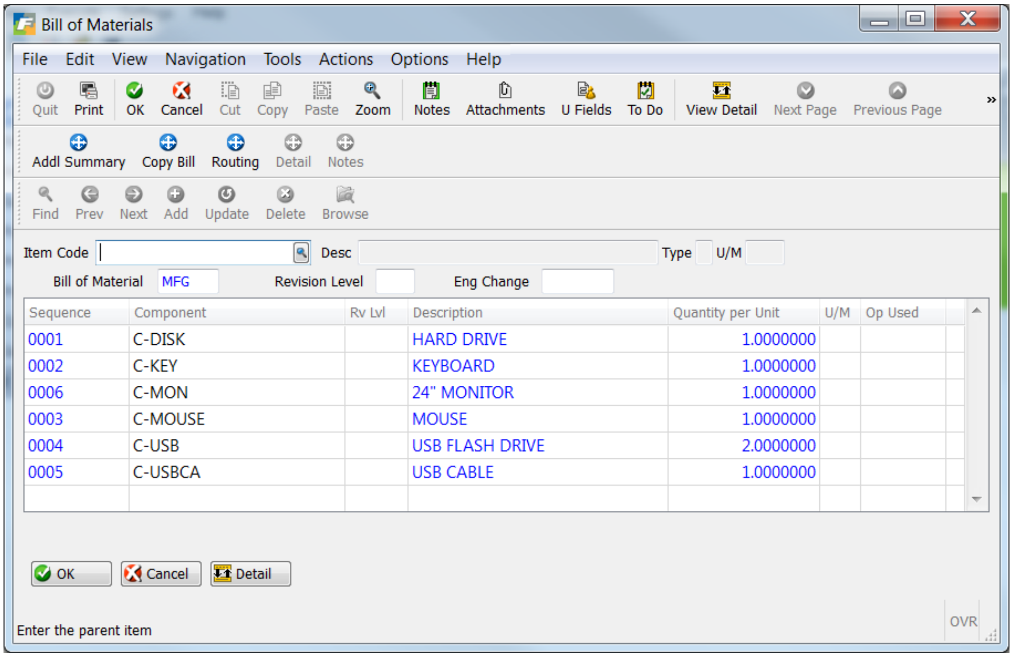
Item Code

Bill of Material

Item Code – Enter the item code for the parent item you want to copy.

Bill of Material – Enter valid bill of material code for the item, which is defined in Inventory Maintenance – Update Inventory Information.

After entry of above information the following screen displays. Enter item code of new bill of material and edit components as necessary.


Bill of Materials
File
Edit
View
Navigation
Tools
Actions
Options
Help
Quit
Print
OK
Cancel
Cut
Copy
Paste
Zoom
Notes
Attachments
U Fields
To Do
View Detail
Next Page
Previous Page
Addl Summary
Copy Bill
Routing
Detail
Notes
Find
Prev
Next
Add
Update
Delete
Browse
OK
Cancel
Detail
OVR

Item Code Desc Type U/M

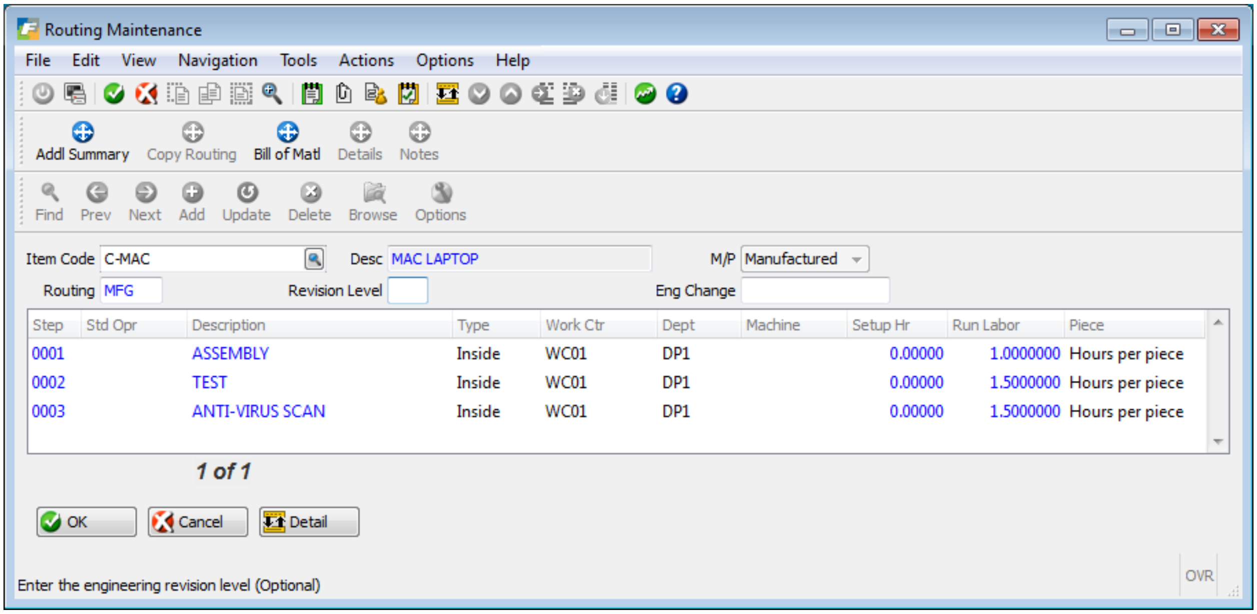
Bill of Material MFG Revision Level Eng Change

Sequence	Component	Rv Lvl	Description	Quantity per Unit	U/M	Op Used
0001	C-DISK		HARD DRIVE	1.0000000		
0002	C-KEY		KEYBOARD	1.0000000		
0006	C-MON		24" MONITOR	1.0000000		
0003	C-MOUSE		MOUSE	1.0000000		
0004	C-USB		USB FLASH DRIVE	2.0000000		
0005	C-USBCA		USB CABLE	1.0000000		

Enter the parent item

ROUTING SCREEN

This screen displays when you are in update mode and click the Routing button.


Routing Maintenance
File
Edit
View
Navigation
Tools
Actions
Options
Help
Addl Summary
Copy Routing
Bill of Matl
Details
Notes
Find
Prev
Next
Add
Update
Delete
Browse
Options
OK
Cancel
Detail
OVR

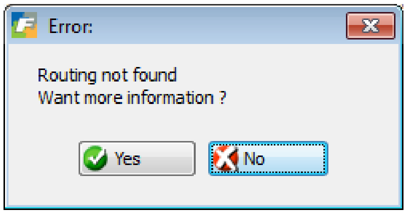
Item Code C-MAC
Desc MAC LAPTOP
M/P Manufactured
Routing MFG
Revision Level
Eng Change

Step	Std Opr	Description	Type	Work Ctr	Dept	Machine	Setup Hr	Run Labor	Piece
0001		ASSEMBLY	Inside	WC01	DP1		0.00000	1.0000000	Hours per piece
0002		TEST	Inside	WC01	DP1		0.00000	1.5000000	Hours per piece
0003		ANTI-VIRUS SCAN	Inside	WC01	DP1		0.00000	1.5000000	Hours per piece

1 of 1

Enter the engineering revision level (Optional)

This screen will only display if the bill of material you are updating has an associated routing. See the Fitrix *Standard Routing User Guide* for futher explanation. If there is no routing step attached to the bill of material you will receive this message:


Error:
Yes
No

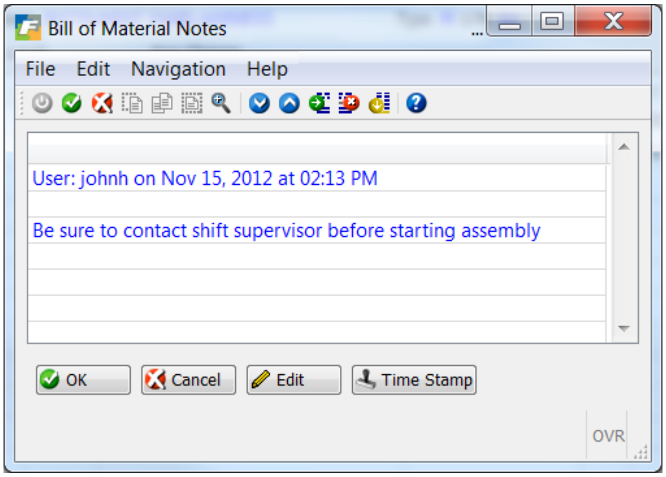
Routing not found
Want more information ?

BILL OF MATERIAL NOTES

This screen displays when you are in update mode and click the Notes button.

Add notes as necessary to bill of material. When component notes exsit, they are copied to the production work order and will then print on the production packet.

For further explanation of using notes reference the Getting Starting with Fitrix manual.


Bill of Material Notes
File Edit Navigation Help
OK
Cancel
Edit
Time Stamp
OVR

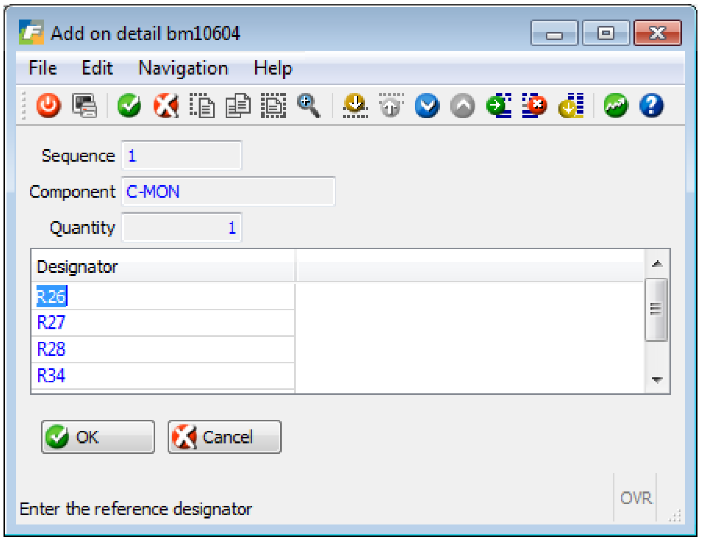
User: johnh on Nov 15, 2012 at 02:13 PM

Be sure to contact shift supervisor before starting assembly

BILL OF MATERIAL REFERENCE DESIGNATORS

This screen displays when you are in update mode and click the Ref Desig button.

Reference designators provide a clear indication of component placement on an electrical schematic or a printed circuit board. They are usually identified by a combination of a single letter and a 1 or 2-digit number. They are especially useful when multiple usages of a component are called for.


Add on detail bm10604
File Edit Navigation Help
OK
Cancel
OVR

Sequence 1
Component C-MON
Quantity 1

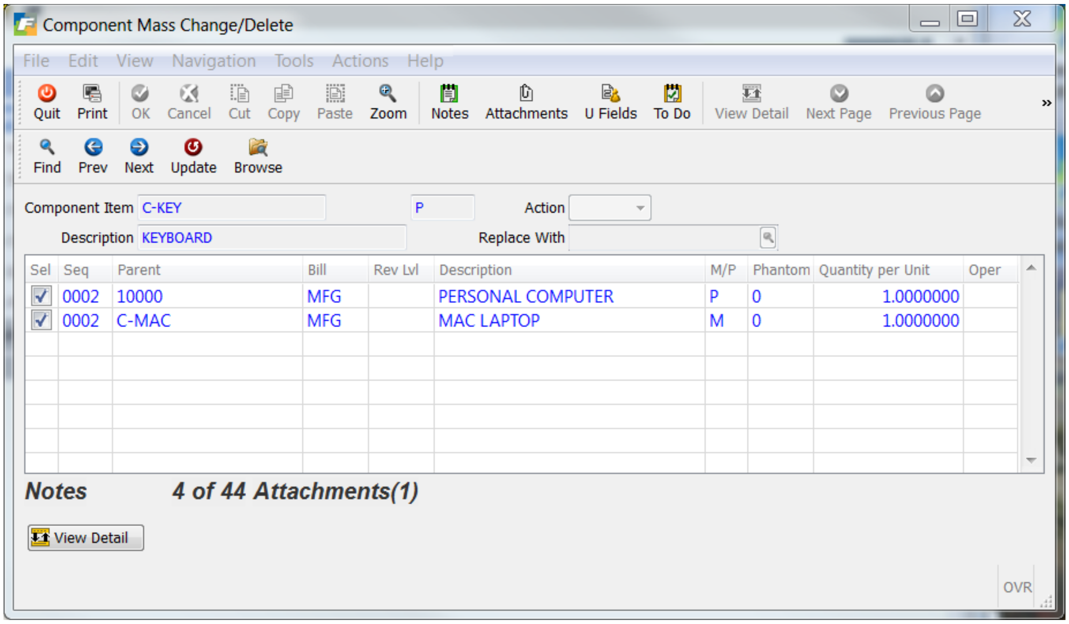
Designator
R26
R27
R28
R34

Enter the reference designator

COMPONENT MASS CHANGE/DELETE

Use this menu option (option 1-g) to change or delete a component that is used in multiple parent items. The main screen allows you to review the parent items the component item is used in and then change the component to another component, or delete it in one or more parent items.

The following screen displays:


Component Mass Change/Delete
File
Edit
View
Navigation
Tools
Actions
Help
Quit
Print
OK
Cancel
Cut
Copy
Paste
Zoom
Notes
Attachments
U Fields
To Do
View Detail
Next Page
Previous Page
Find
Prev
Next
Update
Browse
View Detail
OVR

Component Item C-KEY P Action

Description KEYBOARD Replace With

Sel	Seq	Parent	Bill	Rev Lvl	Description	M/P	Phantom	Quantity per Unit	Oper
☑	0002	10000	MFG		PERSONAL COMPUTER	P	0	1.0000000	
☑	0002	C-MAC	MFG		MAC LAPTOP	M	0	1.0000000	

Notes **4 of 44 Attachments(1)**

You must first click the Find button, and then enter the Component Item to be maintained. Click OK to see the list of parent items using the component. Click update to change the parent to use another component or delete it from a parent item.

Action – The possible choices are:

Replace – Replace the current component with the 'Replace With' component for the Parent Items where the column 'Sel' is checked

Delete – Remove the component from the Parent Items where the column 'Sel' is checked

Replace With – Enter the replacing component item. Click the zoom button to see a list.

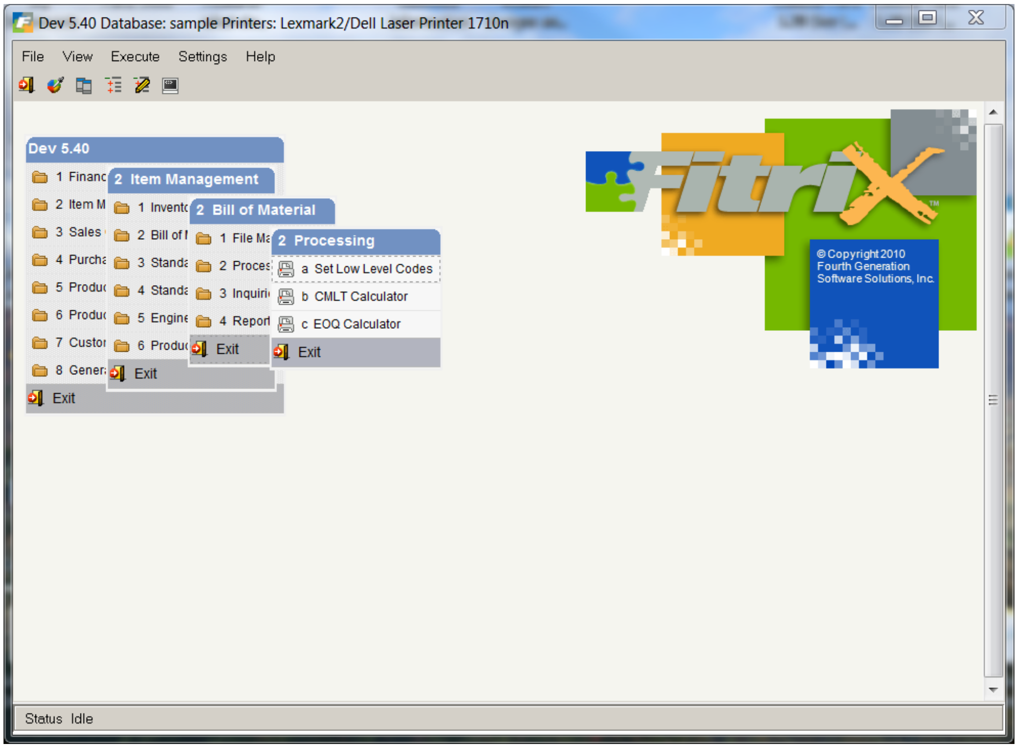
The Parent Items are listed on the bottom section of the screen. Each item will be checked by default. If there are specific parents you ignore for a change or delete, click the Detail button, and uncheck the parents to be ignored.

CHAPTER 4: PROCESSING

This chapter contains reference information about the different menu options used to make changes to items related to bills of material. These options perform updates to multiple items and generate reports that print the results of the updates.

PROCESSING MENU

This menu provides options for mass changing item properties related to bills of material.


Dev 5.40 Database: sample Printers: Lexmark2/Dell Laser Printer 1710n
File
View
Execute
Settings
Help
Dev 5.40
1 Financ
2 Item M
3 Sales
4 Purcha
5 Produc
6 Produc
7 Custor
8 Gener
Exit
2 Item Management
1 Invento
2 Bill of
3 Standa
4 Standa
5 Engine
6 Produc
Exit
2 Bill of Material
1 File Ma
2 Proces
3 Inquiri
4 Report
Exit
2 Processing
a Set Low Level Codes
b CMLT Calculator
c EOQ Calculator
Exit
Fitrix
© Copyright 2010 Fourth Generation Software Solutions, Inc
Status Idle

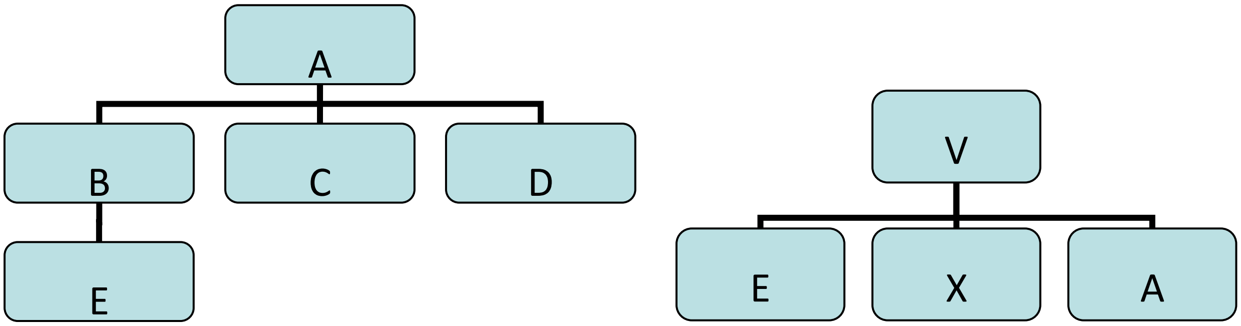
SET LOW-LEVEL CODES

You use this menu option (2-a) to update the low-level code for each item in the Inventory Information Master. This program should be run after heavy maintenance has been done on your bills of material.

For each item, the low-level code is a number representing the lowest level the item is found in ANY indented bill of material.

The following illustration shows how low level codes are calculated:

Example



In the example above:

ITEM	Low Level Code
A	1
B	2
C	2
D	2
E	3
V	0
X	1

An item not used as a component in ANY bill of material is assigned Low Level Code of 0. So, Item V in this example is level 0.

Item A is a parent with its own bill of material, but it is also a component under Parent Item V, so its level is 1.

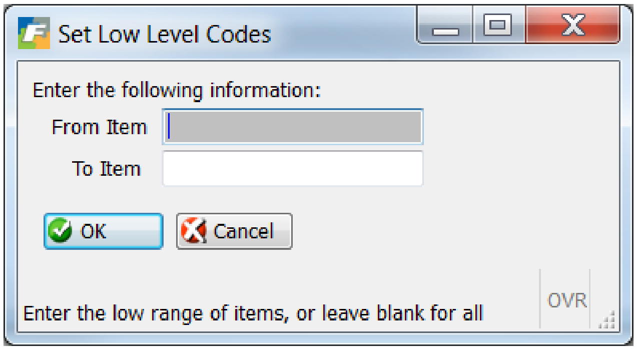
Item E is used in 2 bills of material, but since Item A is a component of Item V, Item E's lowest level in any indented bill of material is 3.

Low Level Codes are used by:

Material Planning – When planning production or purchases for items, it is important to consolidate requirements at ALL levels in the bill of material for an item, before planned orders. For this reason, the MRP Generation will sort items by the Low Level Code, in ASCENDING sequence, before processing begins.

Product Costing – When determining the cost to produce an item, it must be ensured that all the costs for lower level items are complete before attempting to consolidate the costs at the next level up in a bill of material. For this reason, a full Cost Rollup sorts by Low Level Code, in DESCENDING sequence, to cost from the bottom up when an indented cost rollup is requested.

When you select this menu option, you must first indicate the destination of the report on the 'Select Printer' window. Once you make your print destination, the following screen displays:


Set Low Level Codes

Enter the following information:

From Item

To Item

Enter the low range of items, or leave blank for all

From Item – Enter the low item in a range of items, or leave blank to process all items

To Item – Enter the high item in a range of items, or leave blank to process all items

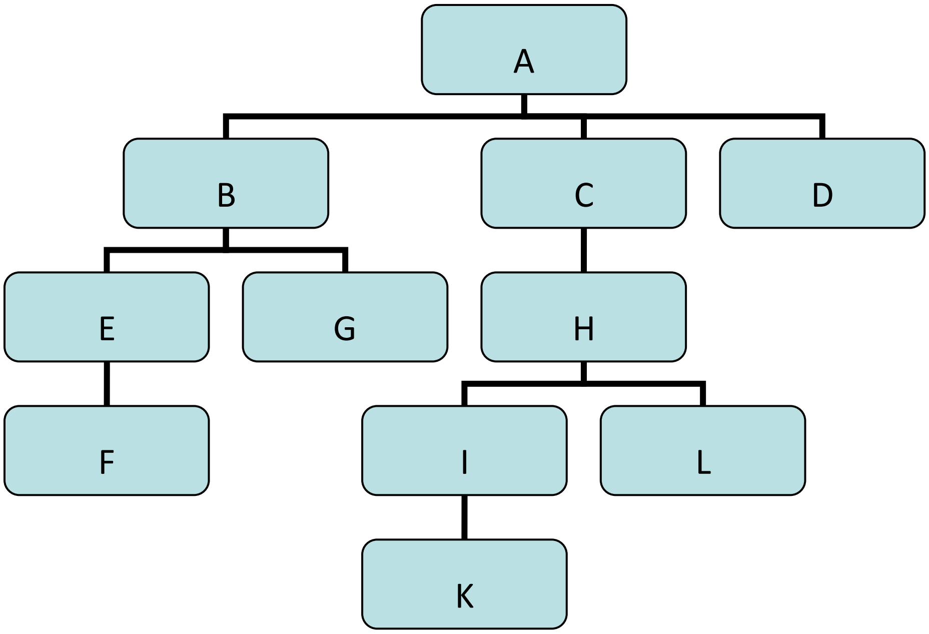
After entering the selection information, click OK to process the report.

The report lists each item where the low level code was changed.

CMLT CALCULATOR

Use this menu option (2-b) to calculate **cumulative material lead-times** for items with bills of material. CMLT is the sum of the material lead-times in an indented bill of material. This program should be run after heavy maintenance has been done on your bills of material, expecially mulit-level bills of material.

Example



In the above example, items D, F, G, K and L are purchased. The example days are days required to order and receive from the vendor. The remaining items are manufactured, and the example days are the days required to produce, assuming the component items are available when production begins. CMLT is calculated on the assumption that NO inventory is in stock, and NO material is on order from vendors.

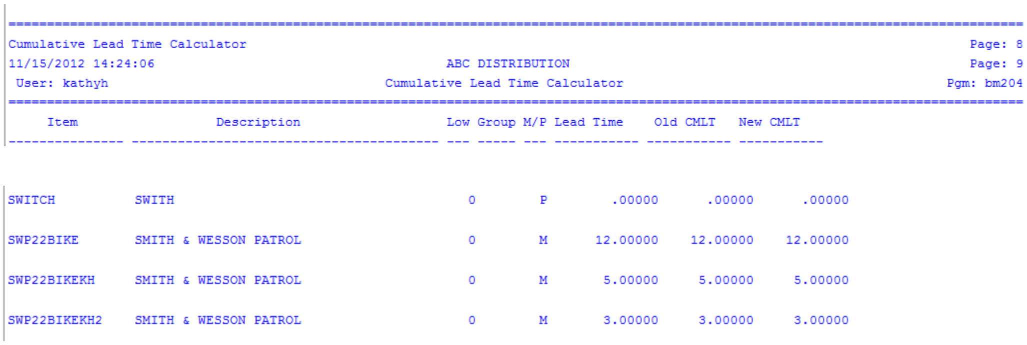
For each level in a bill of material, the parent lead-time is the production lead-time, PLUS the longest lead-time component.

Therefore, the CMLT for each item is as follows:

Item	**CMLT in Days**
A	16.5
B	6.5
C	14.5
D	4
E	6
F	5
G	3
H	12.5
I	10.5
K	10
L	2

When you select this menu option, you must first indicate the destination of the report on the ‘Select Printer’ window. No additional prompts display.

The report lists each item where the cumulative material lead-time was changed.



```
===================================================================================================================================
Cumulative Lead Time Calculator                                                                                             Page: 8
11/15/2012 14:24:06                                     ABC DISTRIBUTION                                                    Page: 9
 User: kathyh                                    Cumulative Lead Time Calculator                                         Pgm: bm204
===================================================================================================================================
     Item                  Description                  Low Group M/P Lead Time    Old CMLT   New CMLT
--------------- --------------------------------------- --- ----- --- ----------- ----------- -----------


SWITCH          SWITH                                       0        P        .00000       .00000      .00000

SWP22BIKE       SMITH & WESSON PATROL                       0        M      12.00000     12.00000    12.00000

SWP22BIKEKH     SMITH & WESSON PATROL                       0        M       5.00000      5.00000     5.00000

SWP22BIKEKH2    SMITH & WESSON PATROL                       0        M       3.00000      3.00000     3.00000
```

EOQ CALCULATOR

You use this menu option (2-c) to calculate Economic Order Quantities for items. The EOQ for an item is calculated from the following formula:

$$\mathrm{EOQ} = \sqrt{\frac{2AS}{iC}}$$

Where:

A = Annual usage in units

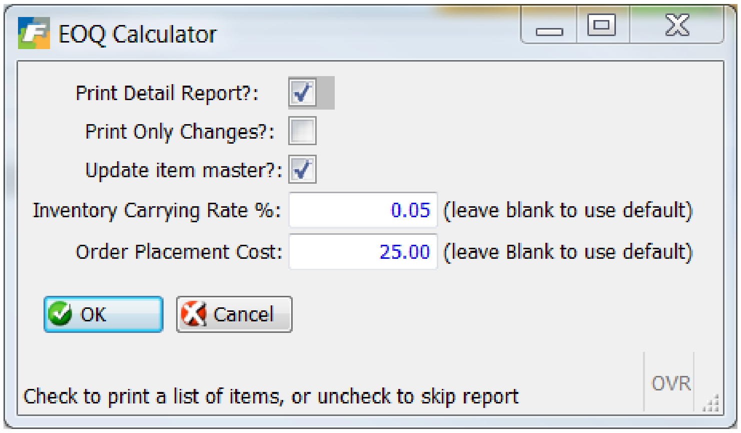
S = Cost of Placing an Order

i = Annual Carrying Cost (%)

C = Item’s Unit Cost

Economic Order Quantites can be used in Material Planning to generate planned orders for Production and Purchase. If items are being ordered in MRP by EOQ, this program should be run once per week or once per month to retrieve the latest usage activity.

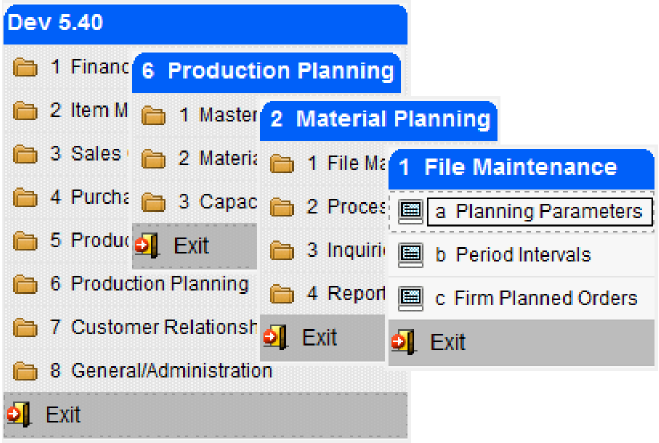
When you select this menu option, you must first indicate the destination of the report on the 'Select Printer' window. The following screen will then display:


EOQ Calculator
OK
Cancel
OVR

Print Detail Report?: ☑
Print Only Changes?: ☐
Update item master?: ☑
Inventory Carrying Rate %: 0.05 (leave blank to use default)
Order Placement Cost: 25.00 (leave Blank to use default)

Check to print a list of items, or uncheck to skip report

If no criteriais entered, the defaults found in the Planning Parametrs program located on this submenu will be used.


Dev 5.40
1 Financ
2 Item M
3 Sales
4 Purcha
5 Produc
6 Production Planning
7 Customer Relationsh
8 General/Administration
Exit
6 Production Planning
1 Master
2 Materi
3 Capac
Exit
2 Material Planning
1 File Ma
2 Proces
3 Inquiri
4 Report
Exit
1 File Maintenance
a Planning Parameters
b Period Intervals
c Firm Planned Orders
Exit

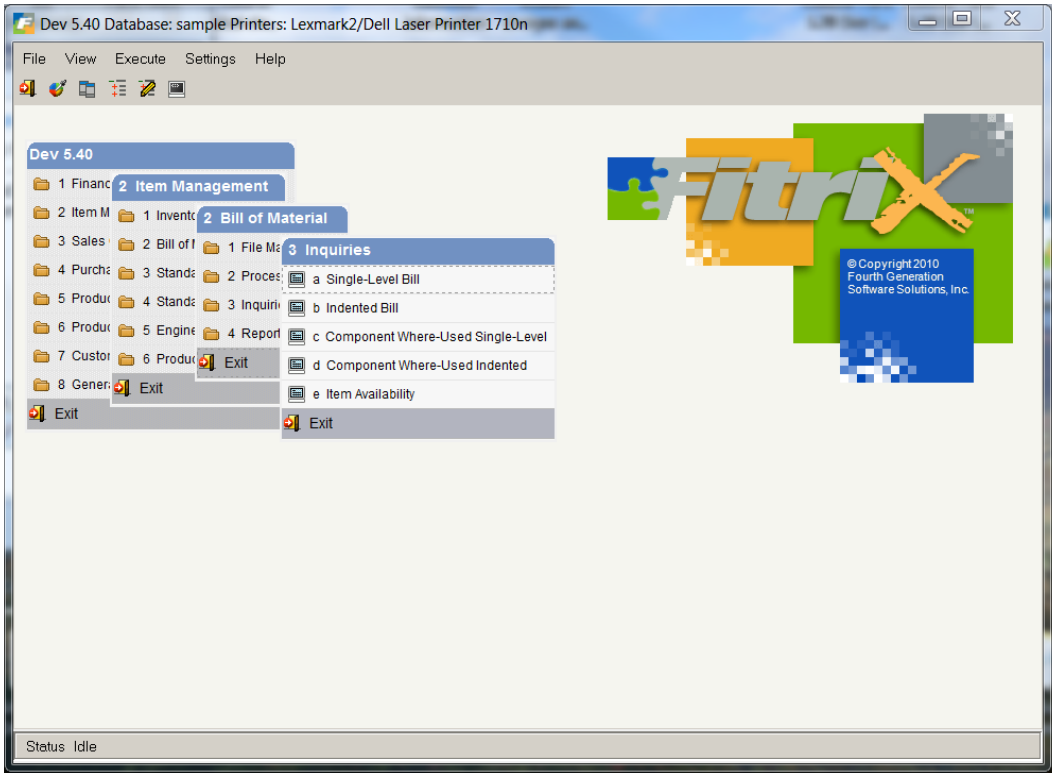
The report lists each item where the economic order quantity was changed.

CHAPTER 5: INQUIRIES

This chapter contains reference information about the different menu options on the Inquiries menu (option 3), and the screens and fields associated with these options. The information is organized by menu option.

THE INQUIRIES MENU

Use the options on this menu to view information related to bills of material. The screens on these menus are similar to the maintenance programs that work with the same data, but inquiries support access to the data without the possibility of making changes.


Dev 5.40 Database: sample Printers: Lexmark2/Dell Laser Printer 1710n
File
View
Execute
Settings
Help
Dev 5.40
1 Financ
2 Item M
3 Sales
4 Purcha
5 Produc
6 Produc
7 Custor
8 Gener
Exit
2 Item Management
1 Invento
2 Bill of I
3 Standa
4 Standa
5 Engine
6 Produc
Exit
2 Bill of Material
1 File Ma
2 Proces
3 Inquiri
4 Report
Exit
3 Inquiries
a Single-Level Bill
b Indented Bill
c Component Where-Used Single-Level
d Component Where-Used Indented
e Item Availability
Exit
Fitrix
©Copyright 2010
Fourth Generation
Software Solutions, Inc.
Status Idle

This menu contains the following options:

Single-Level Bill - Use this option to review the components associated with a parent item.

Indented Bill - Use this option to review multiple levels of an items bill bill of material.

Component Where-Used Single-Level - Use this option to review a single level list of parents using a common component.

Component Where-Used Indented - Use this option to review a component's usage through multiple levels in the bill of material.

Item Availability - Use this option to review a single-level or indented bill of material, to determine the ability to manufacture an item from available inventory.

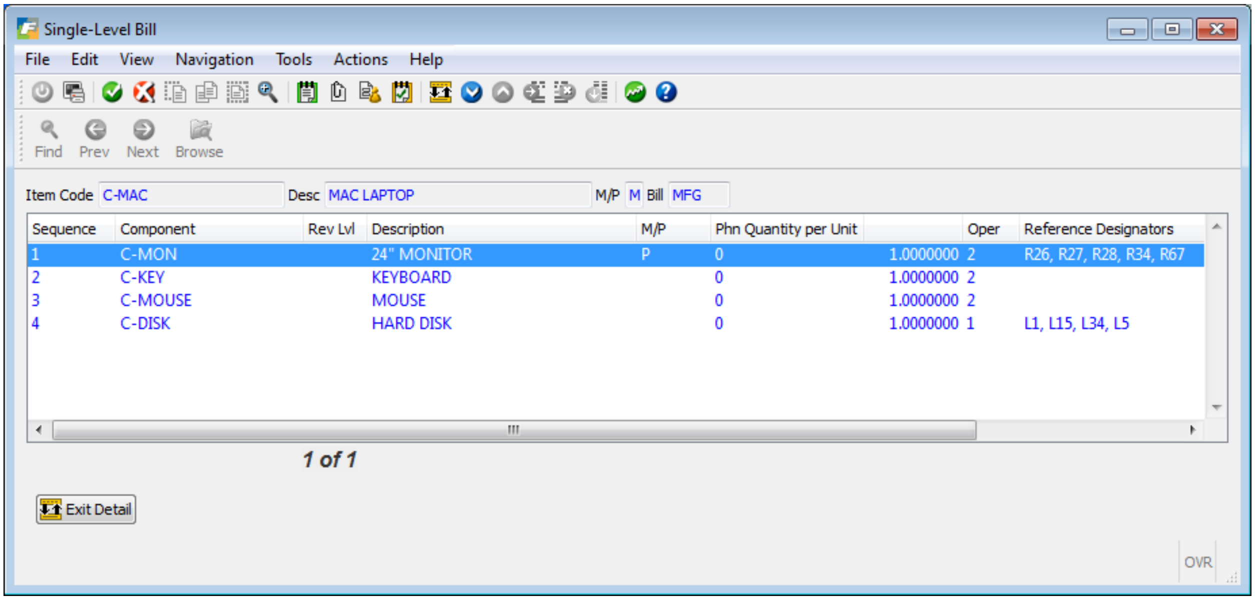
SINGLE-LEVEL BILL

Use this menu option (option 3-a) to view bill of material summary information, as well as the component list.

SINGLE LEVEL BILL SCREEN

When you select this menu option, the Single Level Bill screen displays. You can view one or more bills of material for a single item by clicking the 'Find' option, then entering the parent item to review. If more than one bill of material is display, you can click the 'Browse' button to see the list.

The following screen displays:



Item Code C-MAC Desc MAC LAPTOP M/P M Bill MFG

Sequence	Component	Rev Lvl	Description	M/P	Phn	Quantity per Unit	Oper	Reference Designators
1	C-MON		24" MONITOR	P	0	1.0000000	2	R26, R27, R28, R34, R67
2	C-KEY		KEYBOARD		0	1.0000000	2	
3	C-MOUSE		MOUSE		0	1.0000000	2	
4	C-DISK		HARD DISK		0	1.0000000	1	L1, L15, L34, L5

1 of 1

The following fields are available:

Item Code – The parent item for the bill of material to review

Desc (Description) – The item's description displays automatically

M/P – displays:

- **M** – indicates the item is normally manufactured
- **P** – indicates the item is normally purchased

Bill – The code for the specific bill of material to be reviewed.

A list of one or more components for the current parent item is displayed.

Sequence – The sequential order assigned to the component

Component – The component item code

Rev Lvl (Revision Level) – The component item's current engineering revision level in the Inventory Information Master

Description – The component item's description

M/P – displays:

M – indicates the component item is normally manufactured

P – indicates the component item is normally purchased

Ph (Phantom)– displays:

0 – indicates the component item is a not a phantom

1 – indicates the component item is a phantom

Quantity Per Unit – the component quantity needed to produce one unit of the parent item.

Oper (Operation) – the first operation in the routing where this component is used.

Reference Designators – displays where component used

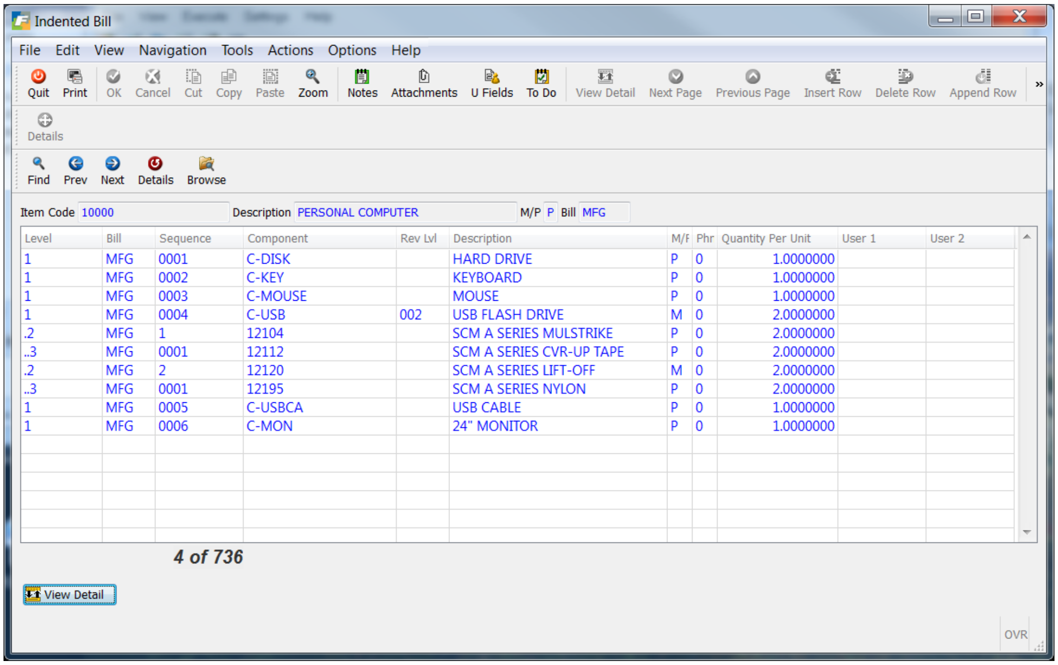
INDENTED BILL

Use this menu option (option 3-b) to view bill of material summary information, as well as the multiple levels of components for a parent item.

INDENTED BILL SCREEN

When you select this menu option, the Indented Bill screen displays. You can view one or more bills of material for a single item by clicking the ‘Find’ option, then entering the parent item to review. If more than one bill of material is display, you can click the ‘Browse’ button to see the list.

The following screen displays:


Indented Bill
File
Edit
View
Navigation
Tools
Actions
Options
Help
Quit
Print
OK
Cancel
Cut
Copy
Paste
Zoom
Notes
Attachments
U Fields
To Do
View Detail
Next Page
Previous Page
Insert Row
Delete Row
Append Row
Details
Find
Prev
Next
Details
Browse
View Detail
OVR

Item Code 10000 Description PERSONAL COMPUTER M/P P Bill MFG

Level	Bill	Sequence	Component	Rev Lvl	Description	M/P	Phr	Quantity Per Unit	User 1	User 2
1	MFG	0001	C-DISK		HARD DRIVE	P	0	1.0000000		
1	MFG	0002	C-KEY		KEYBOARD	P	0	1.0000000		
1	MFG	0003	C-MOUSE		MOUSE	P	0	1.0000000		
1	MFG	0004	C-USB	002	USB FLASH DRIVE	M	0	2.0000000		
.2	MFG	1	12104		SCM A SERIES MULSTRIKE	P	0	2.0000000		
..3	MFG	0001	12112		SCM A SERIES CVR-UP TAPE	P	0	2.0000000		
.2	MFG	2	12120		SCM A SERIES LIFT-OFF	M	0	2.0000000		
..3	MFG	0001	12195		SCM A SERIES NYLON	P	0	2.0000000		
1	MFG	0005	C-USBCA		USB CABLE	P	0	1.0000000		
1	MFG	0006	C-MON		24" MONITOR	P	0	1.0000000		

4 of 736

The following fields are available:

Item Code – The parent item for the bill of material to review

Description – The item’s description displays automatically

M/P – displays:

M – indicates the item is normally manufactured

P – indicates the item is normally purchased

Bill – The code for the specific bill of material to be reviewed.

A list of one or more components for the current parent item is displayed.

Level – The level of the component relative to the parent item

Bill – The code for the component's bill of material being reviewed.

Seq (Sequence) – The sequential order assigned to the component

Component – The component item code

Rev Lvl (Revision Level) – The component item's current engineering revision level in the Inventory Information Master

Description– The component item's description

M/P– displays:

- **M** – indicates the component item is normally manufactured
- **P** – indicates the component item is normally purchased

Ph (Phantom)– displays:

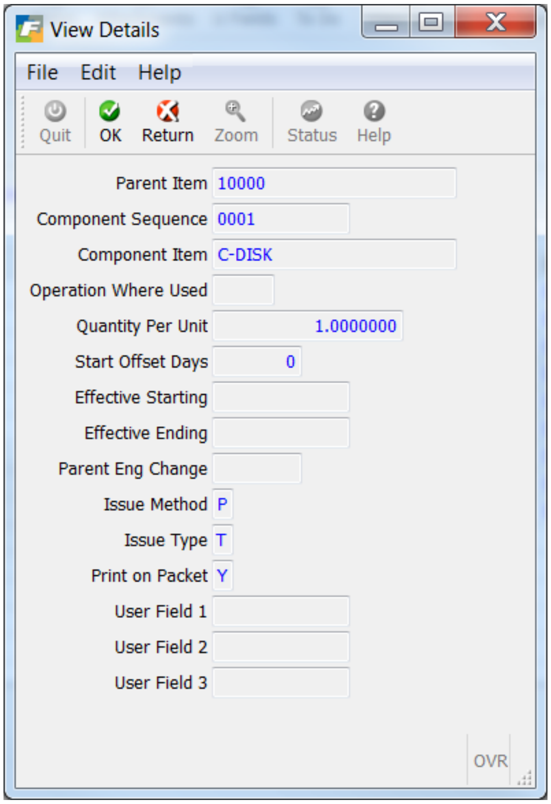
- **0** – indicates the component item is a not a phantom
- **1** – indicates the component item is a phantom

Quantity Per Unit – the component quantity needed to produce one unit of the parent item.

You may also click the Details button navigate to the component list. If you move the cursor to a specific component, you can then click the Details button to see the Component Detail screen.

COMPONENT DETAIL SCREEN

This screen displays when you click the Details button from the Indented Bill screen:



Parent Item	10000
Component Sequence	0001
Component Item	C-DISK
Operation Where Used	
Quantity Per Unit	1.0000000
Start Offset Days	0
Effective Starting	
Effective Ending	
Parent Eng Change	
Issue Method	P
Issue Type	T
Print on Packet	Y
User Field 1	
User Field 2	
User Field 3	

The following fields are displayed:

Parent Item – for the selected component, displays its immediate parent.

Component Sequence – the component's sequential value for this parent item

Component Item – the component item code

Operation Where Used – the parent item's first routing step where this component is used.

Quantity per Unit – the component quantity needed to produce one unit of the immedtiate parent item.

Start Offset Days – The number of workdays after the parent item's lead-time start that this component is needed. This offset can be used to generate a component requirement date that is some number of days after the start of a production order

Effective Starting – The date when this component should be used on its parent item bill of material. Leave this value blank if you do not wish to use component effective dates (Optional).

Effective Ending – The date after which this component will no longer used on it's parent item bill of material. Leave this value blank if you do not wish to use component effective date (Optional).

Parent Eng Change (Parent Engineering Change) – The parent eingineering change number that added this component to the bill of material.

Issue Method – Indicates how this component should be issued from inventory when being used on a production order. The possible values are:

> **C** – the component will be issued from stock with the Component Issue transaction. This is typical when the production process involves a relatively long lead-time (such as a week or more).
>
> **R** – the component will be issued when the end item is received into inventory via the Production Receipt transaction. This is typical when the production process involves a short lead-time (such as less than one week).
>
> **O** – the component will be issued from stock with the Issue by Operation transaction. Each component which has an 'Operation Used' equal to the Operation being issued will be issued from inventory.
>
> **N** – the component will not be issued. This is typical of items that are sent to work in processs in bulk, or for items that are needed in the production process, but are not stocked items (engineering drawings, tooling, etc).

Issue Type – the possible values are:

> **T** – component is issued from inventory, and its associated cost per unit is used with the quantity to create a transaction for G/L.
>
> **C** – component is not issued from inventory, but its cost per unit is used with the quantity to create a transaction for G/L.

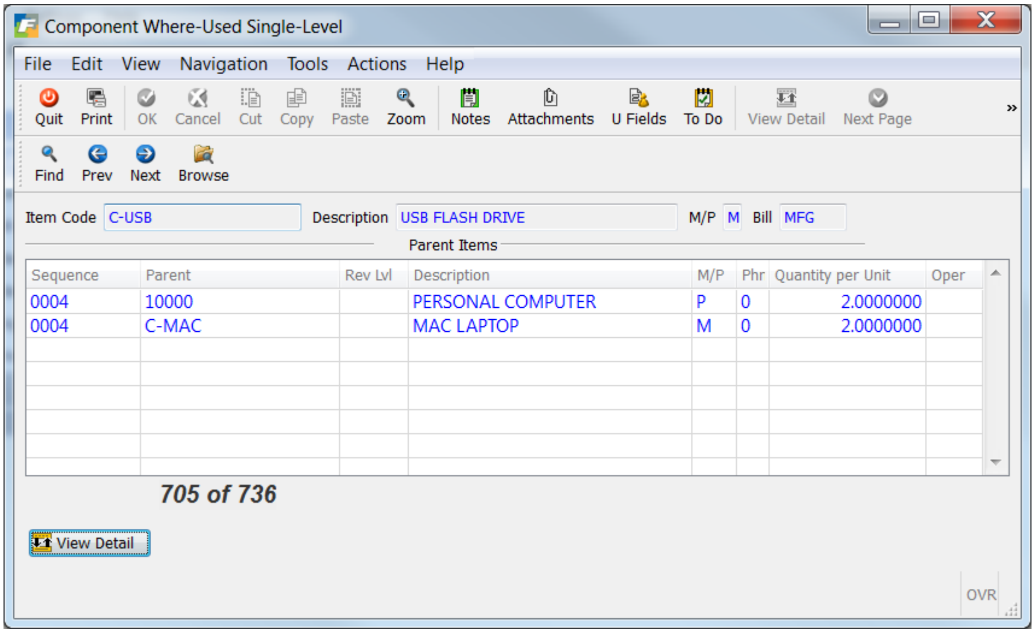
Print on Packet – Y will print the component on the Production Packet document. N will not print the component on the Production Packet.

User Fields 1, 2 and 3 – enter optional additional information

COMPONENT WHERE-USED – SINGLE-LEVEL

Use this menu option (option 3-c) to view a list of parent items using a specific component item. The list displays only parents that have a direct usage.

The following screen displays:


Component Where-Used Single-Level
File
Edit
View
Navigation
Tools
Actions
Help
Quit
Print
OK
Cancel
Cut
Copy
Paste
Zoom
Notes
Attachments
U Fields
To Do
View Detail
Next Page
»
Find
Prev
Next
Browse
View Detail
OVR

Item Code C-USB
Description USB FLASH DRIVE
M/P M
Bill MFG

Parent Items

Sequence	Parent	Rev Lvl	Description	M/P	Phr	Quantity per Unit	Oper
0004	10000		PERSONAL COMPUTER	P	0	2.0000000	
0004	C-MAC		MAC LAPTOP	M	0	2.0000000	

705 of 736

The following fields are available:

Item Code – enter the component item to review

Description – display the description for the component item

M/P – P – displays:

M – indicates the component item is normally manufactured

P – indicates the component item is normally purchased

Bill – The code for the component’s bill of material being reviewed.

One or more parent items will be displayed which use the selected component.

Sequence – The sequential order assigned to the component for the parent

Parent – The parent item using this component

Rev Lvl (Revision Level) – The current engineering revision level for the parent in the Inventory Information Master.

Description – the parent item description

M/P – P – displays:

- **M** – indicates the parent item is normally manufactured
- **P** – indicates the parent item is normally purchased

Ph (Phantom) – displays:

- **0** – indicates the parent item is a not a phantom
- **1** – indicates the parent item is a phantom

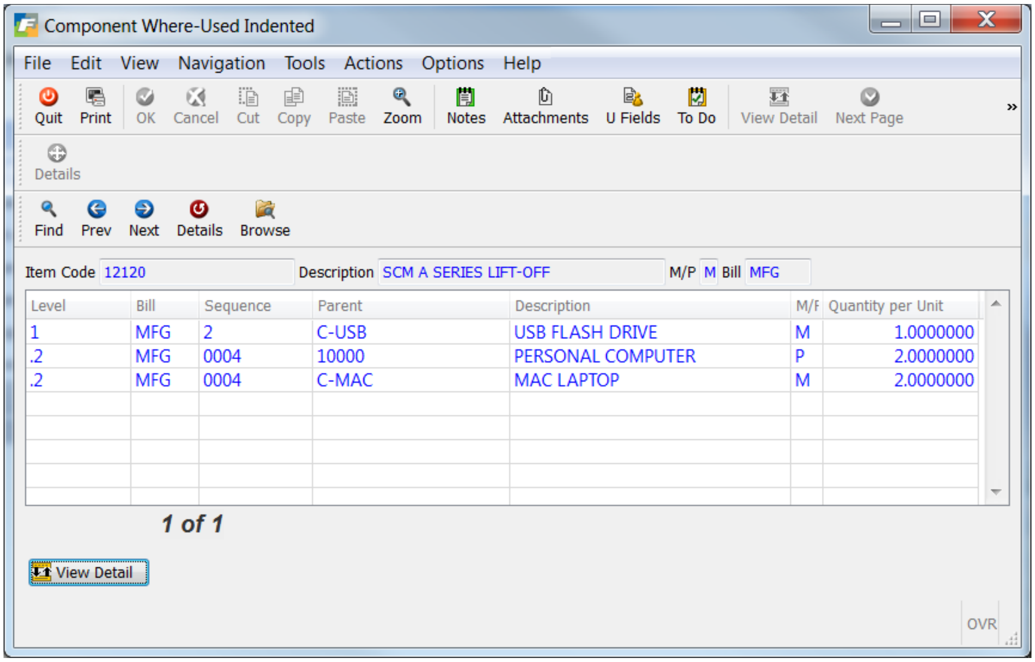
Quantity Per Unit – the component quantity needed to produce one unit of the parent item.

Oper (Operation Where Used) – the parent item's first routing step where this component is used.

COMPONENT WHERE-USED – INDENTED

Use this menu option (option 3-d) to view a multiple level list of parent items using a specific component item. The list displays a compnent's parent items, as well as higher level parent items. The intent is to show ALL parent items using the component, whether direct or indirect.

The following screen displays:


Component Where-Used Indented
File
Edit
View
Navigation
Tools
Actions
Options
Help
Quit
Print
OK
Cancel
Cut
Copy
Paste
Zoom
Notes
Attachments
U Fields
To Do
View Detail
Next Page
Details
Find
Prev
Next
Details
Browse
View Detail
OVR

Item Code 12120 Description SCM A SERIES LIFT-OFF M/P M Bill MFG

Level	Bill	Sequence	Parent	Description	M/F	Quantity per Unit
1	MFG	2	C-USB	USB FLASH DRIVE	M	1.0000000
.2	MFG	0004	10000	PERSONAL COMPUTER	P	2.0000000
.2	MFG	0004	C-MAC	MAC LAPTOP	M	2.0000000

1 of 1

The following fields are available:

Item Code – enter the component item to review

Description – display the description for the component item

M/P – P – displays:

M – indicates the component item is normally manufactured

P – indicates the component item is normally purchased

Bill – The code for the component's bill of material being reviewed.

One or more parent items will be displayed which use the selected component.

Level – The level of the component relative to the parent item

Bill – The code for the component's bill of material being reviewed.

Sequence – The sequential order assigned to the component for the parent

Parent – The parent item using this component

Description – the parent item description

M/P – P – displays:

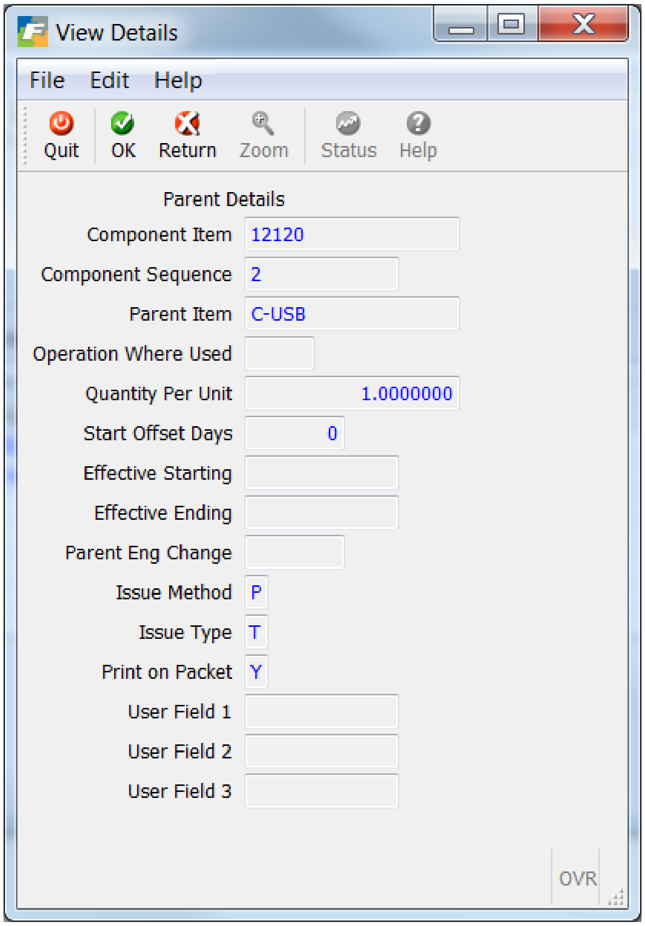
- **M** – indicates the parent item is normally manufactured
- **P** – indicates the parent item is normally purchased

Quantity Per Unit – the component quantity needed to produce one unit of the parent item.

You may also click the Details button navigate to the parent list. If you move the cursor to a specific parent, you can then click the Details button to see the Parent Detail screen.

PARENT DETAIL SCREEN

This screen displays when you click the Details button from the Indented Bill screen:



Parent Details

Component Item	12120
Component Sequence	2
Parent Item	C-USB
Operation Where Used	
Quantity Per Unit	1.0000000
Start Offset Days	0
Effective Starting	
Effective Ending	
Parent Eng Change	
Issue Method	P
Issue Type	T
Print on Packet	Y
User Field 1	
User Field 2	
User Field 3	

The following fields are displayed:

Component Item– the component item code

Component Sequence – the component's sequential value for this parent item

Parent Item – for the selected component, displays its immediate parent.

Operation Where Used – the parent item's first routing step where this component is used.

Quantity per Unit – the component quantity needed to produce one unit of the immedtiate parent item.

Start Offset Days – The number of workdays after the parent item's lead-time start that this component is needed. This offset can be used to generate a component requirement date that is some number of days after the start of a production order

Effective Starting – The date when this component should be used on its parent item bill of material. Leave this value blank if you do not wish to use component effective dates (Optional).

Effective Ending – The date after which this component will no longer be used on its parent item bill of material. Leave this value blank if you do not wish to use component effective date (Optional).

Parent Eng Change (Parent Engineering Change) – The parent eingineering change number that added this component to the bill of material.

Issue Method – Indicates how this component should be issued from inventory when being used on a production order. The possible values are:

> **C** – the component will be issued from stock with the Component Issue transaction. This is typical when the production process involves a relatively long lead-time (such as a week or more).
>
> **R** – the component will be issued when the end item is received into inventory via the Production Receipt transaction. This is typical when the production process involves a short lead-time (such as less than one week).
>
> **O** – the component will be issued from stock with the Issue by Operation transaction. Each component which has an 'Operation Used' equal to the Operation being issued will be issued from inventory.
>
> **N** – the component will not be issued. This is typical of items that are sent to work in processs in bulk, or for items that are needed in the production process, but are not stocked items (engineering drawings, tooling, etc).

Issue Type – the possible values are:

> **T** – component is issued from inventory, and its associated cost per unit is used with the quantity to create a transaction for G/L.
>
> **C** – component is not issued from inventory, but its cost per unit is used with the quantity to create a transaction for G/L.

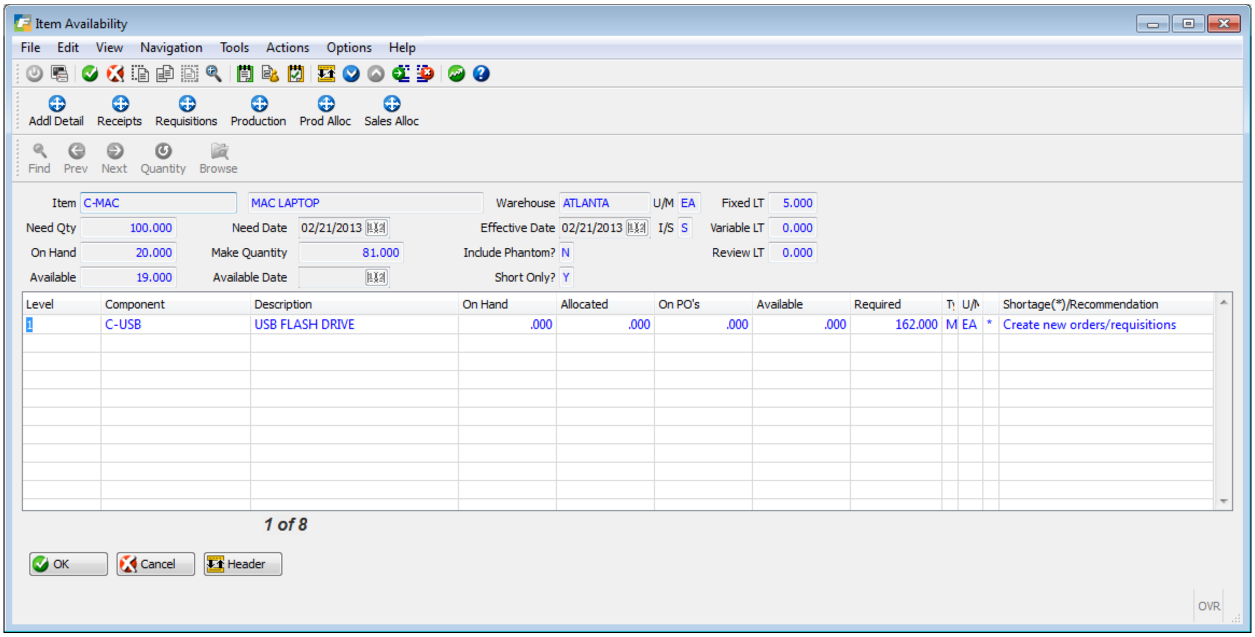
Print on Packet – Y will print the component on the Production Packet document. N will not print the component on the Production Packet.

User Fields 1, 2 and 3 – enter optional additional information

ITEM AVAILABILITY INQUIRY

Use this menu option (option 3-e) to simulate the ability to satisfy a requirement for a manufactured item, for a given warehouse, quantity, and due date. You must select Find and enter an item number and select OK, or select OK to see all items with allocations.

The following screen will display:


Item Availability
File Edit View Navigation Tools Actions Options Help
Addl Detail
Receipts
Requisitions
Production
Prod Alloc
Sales Alloc
Find
Prev
Next
Quantity
Browse
OK
Cancel
Header
OVR

Item C-MAC MAC LAPTOP
Warehouse ATLANTA
U/M EA
Fixed LT 5.000
Need Qty 100.000
Need Date 02/21/2013
Effective Date 02/21/2013
I/S S
Variable LT 0.000
On Hand 20.000
Make Quantity 81.000
Include Phantom? N
Review LT 0.000
Available 19.000
Available Date
Short Only? Y

Level	Component	Description	On Hand	Allocated	On PO's	Available	Required	T	U/M		Shortage(*)/Recommendation
1	C-USB	USB FLASH DRIVE	.000	.000	.000	.000	162.000	M	EA	*	Create new orders/requisitions

1 of 8

The header information displayed is:

Item – selected item number

Description – the selected item's description displays

Warehouse – the warehouse associated with this item's allocation

U/M – the stocking unit of measure for the component

Need Qty- the quantity of the parent item needed

Need Date- the date the parent quantity is needed by

Effective Date - Bill of Material component Effectivity Date

I/S – Enter ' I' to display components for the Indented BOM and 'S' to display components on Single Level of BOM.

On Hand - the current on hand balance for the parent in the warehouse selected

Make Qty - The difference between the Need Qty and the Available quantitiy.

Include Phantom - Enter Y or N to include requirements for phantom compponents

Available – Then sum of: On Hand – Allocated + On PO's

Available Date-

Short Only - Enter Y to display short components only or N to display all components

Fixed LT- Fixed lead-time for item

Variable LT – Variable lead-time for item

Review LT – Review lead-time for item

Please reference the Planning applications User Guides for further explanation of lead-times.

The detail information displayed is:

Level – relative level in the bill of material. If the entered 'I/S' value above is S, all components will display '1' here.

Component – the component item code

Description – the description of the component item

On Hand – the current on hand balance for the component in the Warehouse selected.

Allocated – the quantity allocated to open sales orders or production orders.

On PO's – the quantity on order for open purchase and production orders.

Available – Then sum of: On Hand – Allocated + On PO's

NOTE: The Allocated, On PO's, and Available are determined by the above-mentioned orders, where their due date or required date is on or before the 'Need Date'. Any orders whose applicable dates are beyond the 'Need Date' are ignored.

Required – The total quantity needed for the component to satisfy the 'Need Quanttiy' of the simulated item.

Type – Displays:

M – indicates the component item is normally manufactured

P – indicates the component item is normally purchased

U/M – the stocking unit of measure for the component

(*) – displays a '*' if the component's 'Required Qty' is less than the 'Available Qty'

Shortage(*)/Recommendations – displays:

Create new orders/requisitions – if short

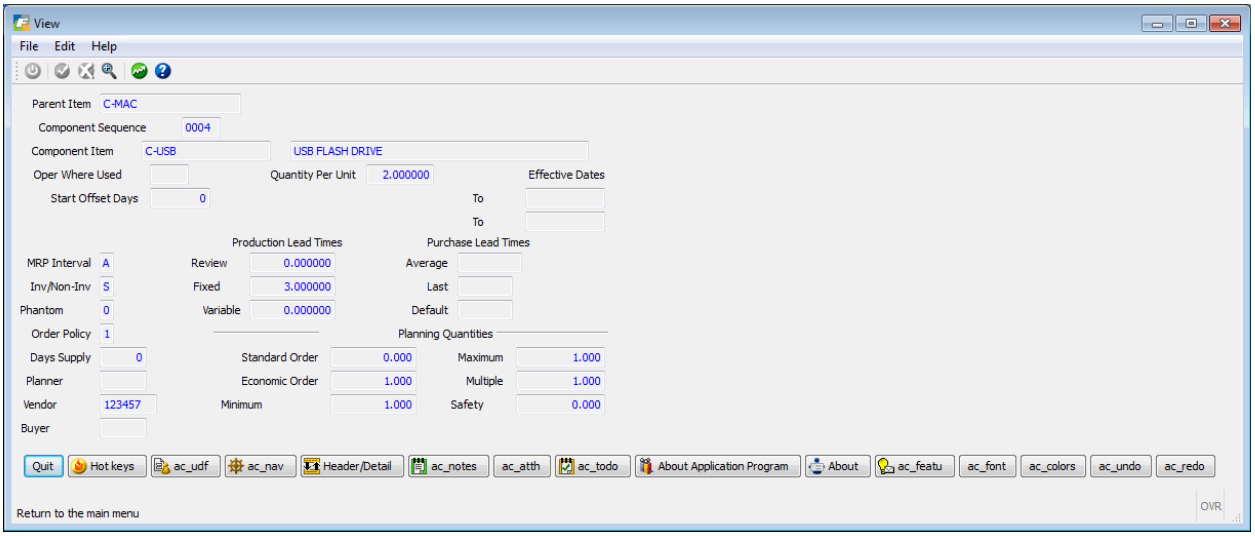
CHECKING AVAILABILITY FOR A SPECIFIC ITEM

To check availability for a specific quantity select the Quantity icon and enter the Need Qty. The following screen displays and you can enter the quantity needed of the parent item. Once entered, specific information is displayed for all the component items.

You can also move the cursor to a specific component, and click on one or more buttons to access more information, as described below.

ADDITIONAL DETAIL SCREEN

This screen displays when you click the Addl Detail button from the main screen. It displays additional details for the current component


View
File
Edit
Help
Production Lead Times
Purchase Lead Times
Planning Quantities
Quit
Hot keys
ac_udf
ac_nav
Header/Detail
ac_notes
ac_atth
ac_todo
About Application Program
About
ac_featu
ac_font
ac_colors
ac_undo
ac_redo
OVR

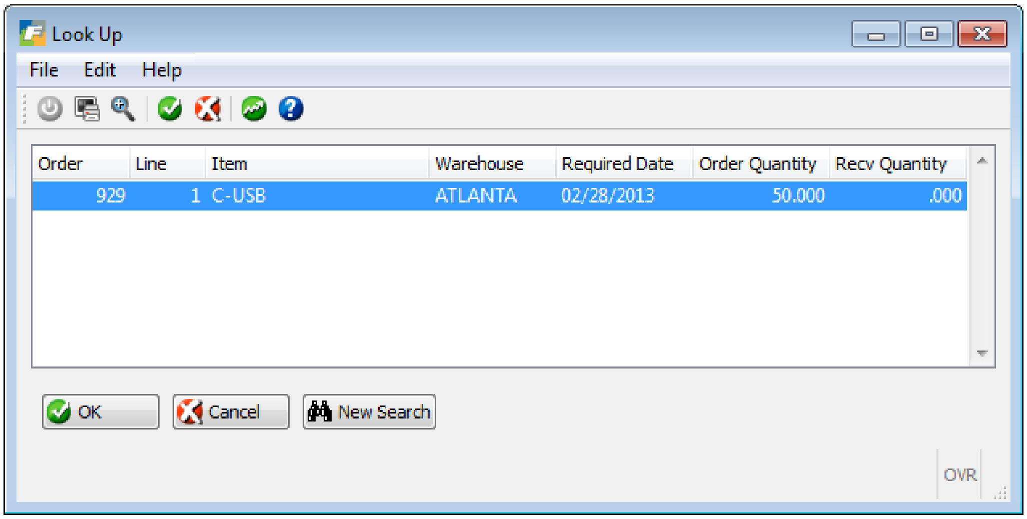
Parent Item C-MAC
Component Sequence 0004
Component Item C-USB USB FLASH DRIVE
Oper Where Used
Quantity Per Unit 2.000000
Effective Dates
Start Offset Days 0
To
To
MRP Interval A
Inv/Non-Inv S
Phantom 0
Order Policy 1
Days Supply 0
Planner
Vendor 123457
Buyer
Review 0.000000
Fixed 3.000000
Variable 0.000000
Average
Last
Default
Standard Order 0.000
Economic Order 1.000
Minimum 1.000
Maximum 1.000
Multiple 1.000
Safety 0.000

Return to the main menu

Fields on this display have already been described in other sections of this manual

RECEIPTS

This screen displays when you click the Receipts button from the main screen. It displays a list of open purchase orders for the current component:



Order	Line	Item	Warehouse	Required Date	Order Quantity	Recv Quantity
929	1	C-USB	ATLANTA	02/28/2013	50.000	.000

The following fields are displayed:

Order – The purchase order's document number

Line – The item's line number on the purchase order

Item – The component item number on the order

Warehouse – The warehouse for the purchase order

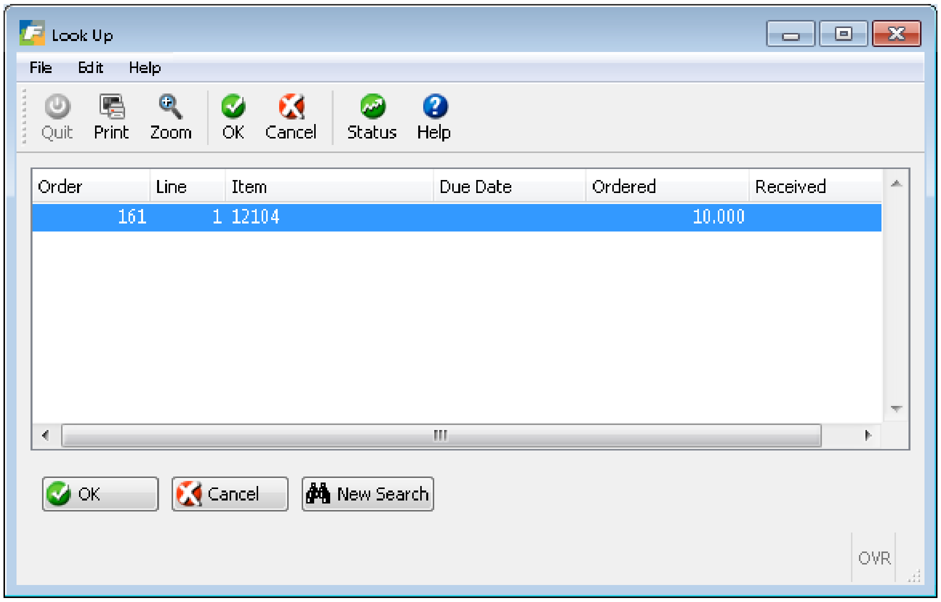
Required Date – The date the line item is needed to be in inventory

Order Quantity – The item's quantity on the purchase order

Recv Quantity (Received Quantity) – The quantity already received on the order.

REQUISITIONS SCREEN

This screen displays when you click the Requisitions button from the main screen. It displays a list of open purchase requisitions for the current component:


Look Up
File
Edit
Help
Quit
Print
Zoom
OK
Cancel
Status
Help
OK
Cancel
New Search
OVR

Order	Line	Item	Due Date	Ordered	Received
161	1	12104		10.000	

The following fields are displayed:

Order – The purchase requisitions's document number

Line – The item's line number on the requisition

Item – The component item number on the requisition

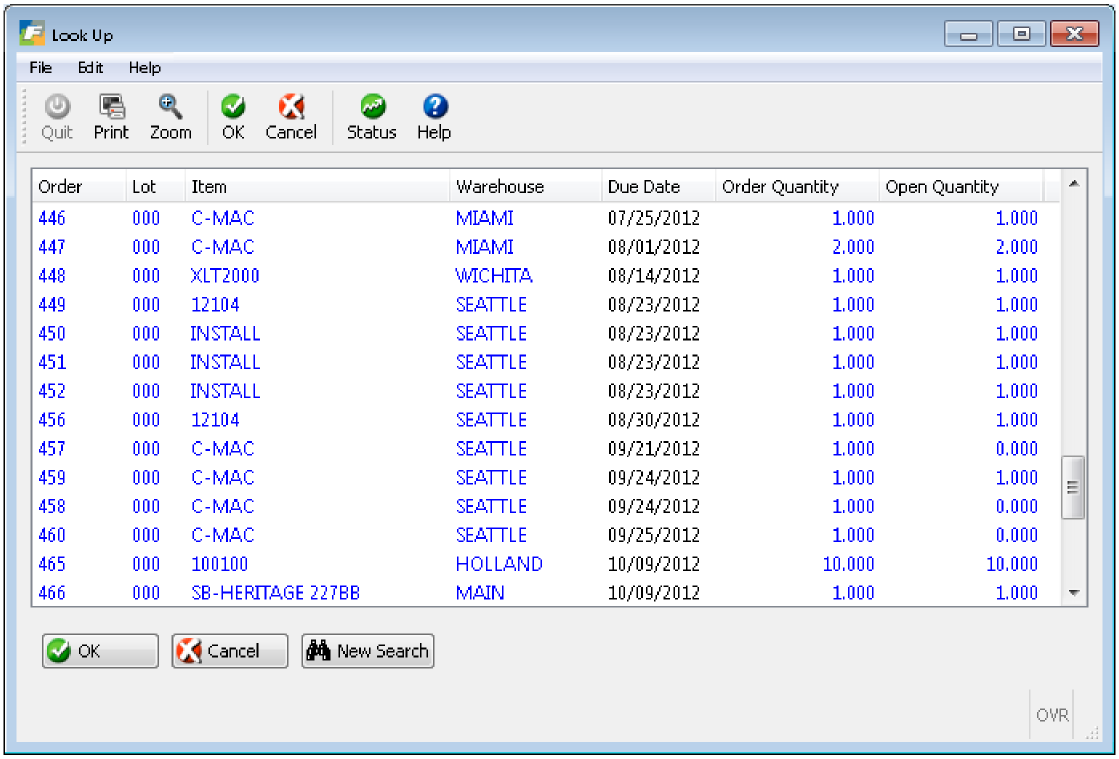
Warehouse – The warehouse for the requisition

Due Date – The date the line item is needed to be in inventory

Ordered – The item's quantity on the requisition

PRODUCTION RECEIPTS SCREEN

This screen displays when you click the Production button from the main screen. It displays a list of open production orders for the current component:



Order	Lot	Item	Warehouse	Due Date	Order Quantity	Open Quantity
446	000	C-MAC	MIAMI	07/25/2012	1.000	1.000
447	000	C-MAC	MIAMI	08/01/2012	2.000	2.000
448	000	XLT2000	WICHITA	08/14/2012	1.000	1.000
449	000	12104	SEATTLE	08/23/2012	1.000	1.000
450	000	INSTALL	SEATTLE	08/23/2012	1.000	1.000
451	000	INSTALL	SEATTLE	08/23/2012	1.000	1.000
452	000	INSTALL	SEATTLE	08/23/2012	1.000	1.000
456	000	12104	SEATTLE	08/30/2012	1.000	1.000
457	000	C-MAC	SEATTLE	09/21/2012	1.000	0.000
459	000	C-MAC	SEATTLE	09/24/2012	1.000	1.000
458	000	C-MAC	SEATTLE	09/24/2012	1.000	0.000
460	000	C-MAC	SEATTLE	09/25/2012	1.000	0.000
465	000	100100	HOLLAND	10/09/2012	10.000	10.000
466	000	SB-HERITAGE 227BB	MAIN	10/09/2012	1.000	1.000

The following fields are displayed:

Order – The production order number

Lot – The production order’s lot number

Item – The item being producred

Warehouse – The warehouse for the production order

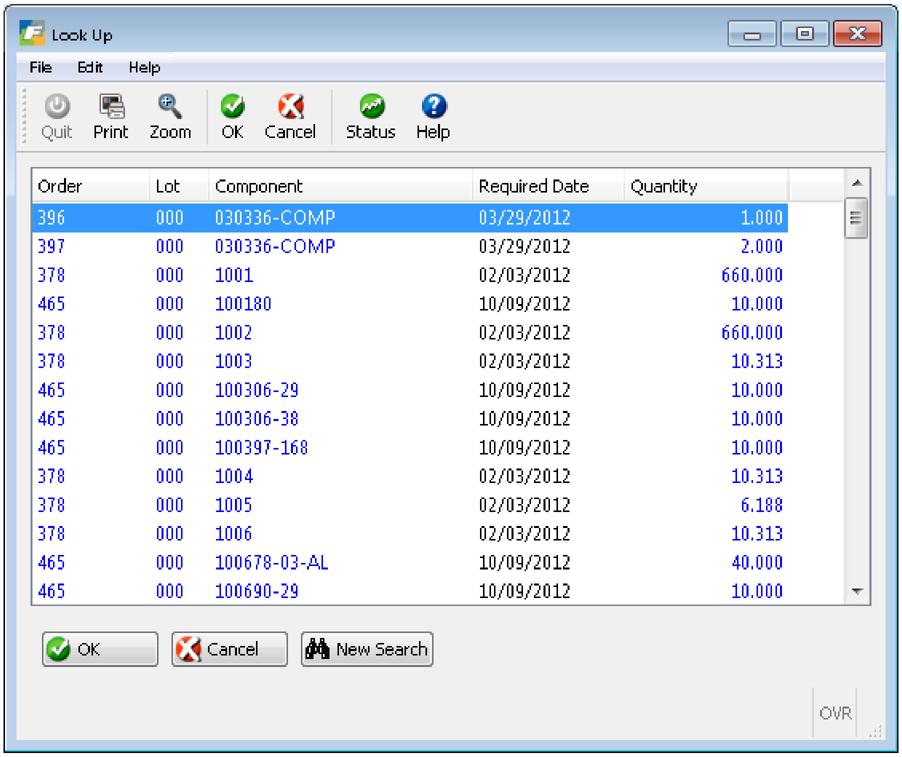
Due Date – The date the production order is due to be completed

Order Quantity – The item’s quantity on the production order

Recvd Quantity (Received Quantity) – The quantity already received on the order.

PRODUCTION ALLOCATIONS SCREEN

This screen displays when you click the Prod Alloc button from the main screen. It displays a list of open production orders that have an open requirement for the current component.



Order	Lot	Component	Required Date	Quantity
396	000	030336-COMP	03/29/2012	1.000
397	000	030336-COMP	03/29/2012	2.000
378	000	1001	02/03/2012	660.000
465	000	100180	10/09/2012	10.000
378	000	1002	02/03/2012	660.000
378	000	1003	02/03/2012	10.313
465	000	100306-29	10/09/2012	10.000
465	000	100306-38	10/09/2012	10.000
465	000	100397-168	10/09/2012	10.000
378	000	1004	02/03/2012	10.313
378	000	1005	02/03/2012	6.188
378	000	1006	02/03/2012	10.313
465	000	100678-03-AL	10/09/2012	40.000
465	000	100690-29	10/09/2012	10.000

The following fields are displayed:

Order – The production order number

Lot – The production order's lot number

Item – The component on the order

Warehouse - The warehouse for the order

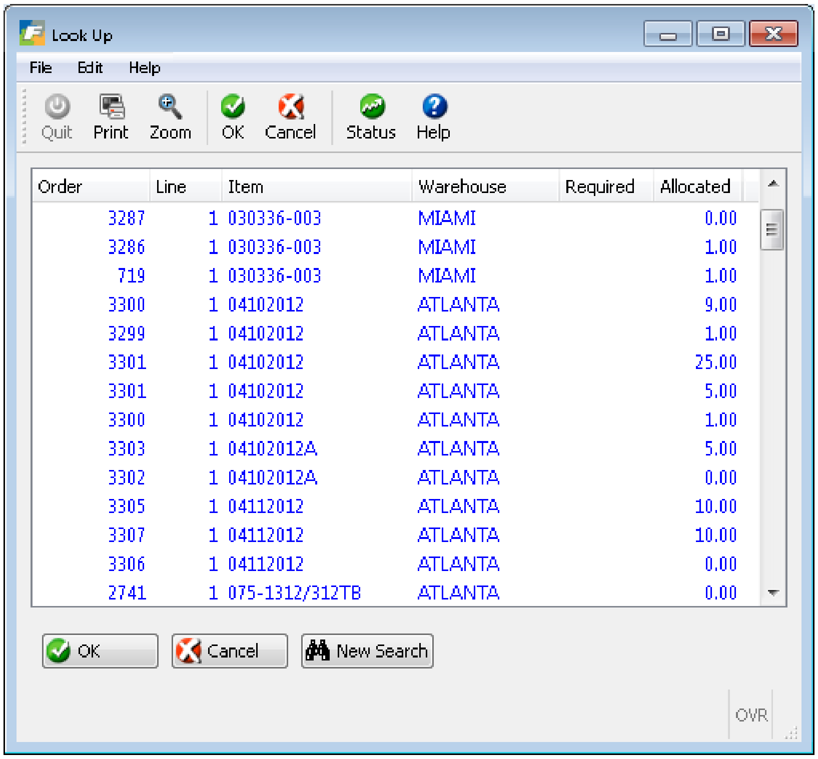
Due Date – The date the component is due on the production order

Order Quantity – The item's required quantity on the production order

Open Quantity – The open quantity of the specific production order

SALES ALLOCATIONS SCREEN

This screen displays when you click the Sales Alloc button from the main screen. It displays a list of open sales orders that have an open requirement for the current component.



Order	Line	Item	Warehouse	Required	Allocated
3287	1	030336-003	MIAMI		0.00
3286	1	030336-003	MIAMI		1.00
719	1	030336-003	MIAMI		1.00
3300	1	04102012	ATLANTA		9.00
3299	1	04102012	ATLANTA		1.00
3301	1	04102012	ATLANTA		25.00
3301	1	04102012	ATLANTA		5.00
3300	1	04102012	ATLANTA		1.00
3303	1	04102012A	ATLANTA		5.00
3302	1	04102012A	ATLANTA		0.00
3305	1	04112012	ATLANTA		10.00
3307	1	04112012	ATLANTA		10.00
3306	1	04112012	ATLANTA		0.00
2741	1	075-1312/312TB	ATLANTA		0.00

The following fields are displayed:

Order – The sales order document number

Line – The sales order line number for the item

Item – The item on the order

Warehouse – The warehouse for the sales order

Required Date – The projected ship date for the sales order

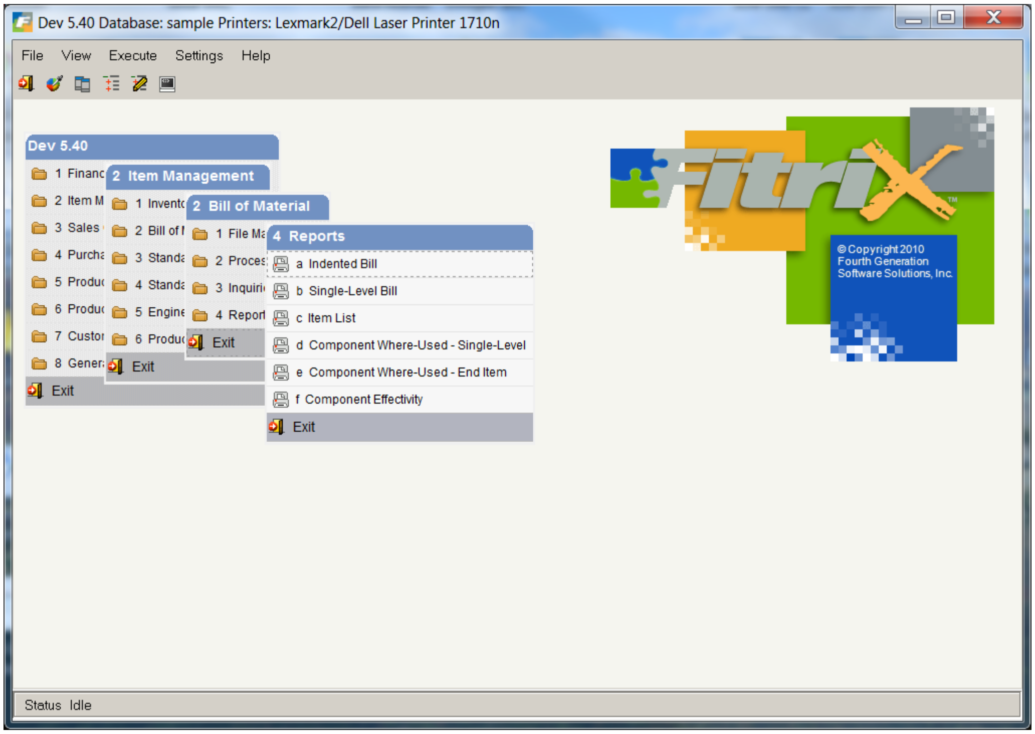
Allocated – The quantity of the item allocated to the sales order

CHAPTER 6: REPORTS

This chapter contains reference information about the different menu options on the Reports menu (option 4), and the screens and fields associated with these options. The information is organized by menu option.

REPORTS MENU

Use the options on this menu to review reports related to bills of material


Dev 5.40 Database: sample Printers: Lexmark2/Dell Laser Printer 1710n
File View Execute Settings Help
Dev 5.40
1 Financ
2 Item M
3 Sales
4 Purcha
5 Produc
6 Produc
7 Custor
8 Gener
Exit
2 Item Management
1 Invento
2 Bill of
3 Standa
4 Standa
5 Engine
6 Produc
Exit
2 Bill of Material
1 File Ma
2 Proces
3 Inquiri
4 Report
Exit
4 Reports
a Indented Bill
b Single-Level Bill
c Item List
d Component Where-Used - Single-Level
e Component Where-Used - End Item
f Component Effectivity
Exit
©Copyright 2010 Fourth Generation Software Solutions, Inc
Status Idle

This menu contains the following options:

Indented Bill - Use this option to print an indented bill of material list for one or more items

Single-Level Bill - Use this option to print a single level bill of material list for one or more items

Item List - Use this option to print the manufacturing-related fields for one or more items

Component Where-Used – Single-Level- Use this option to print a list of component usages for one or more items

Component Where-Used – End item - Use this option to print a list of top-level items using specific component items

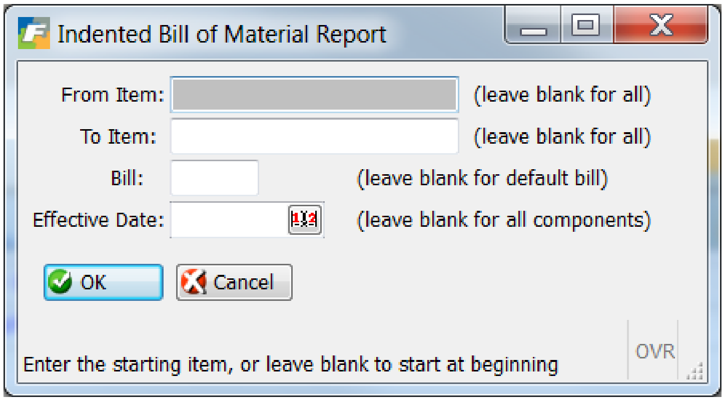
Component Effectivity - Use this option to print a list of components with effectivity dates defined

INDENTED BILL

This menu option (4-a) prints an indented bill of material list for one or more items.

When you select this menu option, you must first indicate the destination of the report on the 'Select Printer' window.

The following screen is displayed:



From Item: (leave blank for all)
To Item: (leave blank for all)
Bill: (leave blank for default bill)
Effective Date: (leave blank for all components)

Enter the starting item, or leave blank to start at beginning

Enter report selection information in the following fields:

From Item – Enter the low range of items to print, or leave blank to start at the beginning of the items table

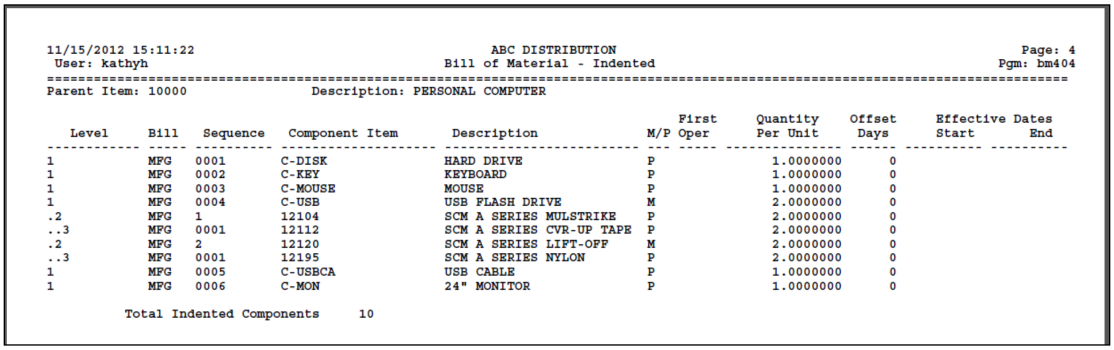
To Item – Enter the high range of items to print, or leave blank to print to the end of the items table.

Bill – Enter the Bill of Material code for the desired bill, or leave blank for all bills of material

Effective Date – Enter an effective date to include/exclude components that have effective dates outside this date

Click OK to process the report, or Cancel to cancel the request

An example of the report follows:



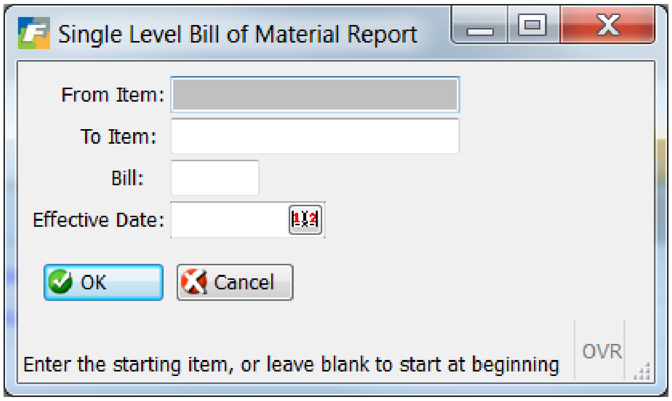
```
11/15/2012 15:11:22                        ABC DISTRIBUTION                                              Page: 4
 User: kathyh                        Bill of Material - Indented                                      Pgm: bm404
===================================================================================================================
Parent Item: 10000                 Description: PERSONAL COMPUTER

                                                                         First     Quantity   Offset    Effective Dates
   Level      Bill   Sequence   Component Item      Description      M/P Oper      Per Unit     Days    Start         End
------------ ----- ---------- ------------------- ---------------------- --- ----- ------------- ------ ---------- ----------
1            MFG   0001      C-DISK              HARD DRIVE             P               1.0000000      0
1            MFG   0002      C-KEY               KEYBOARD               P               1.0000000      0
1            MFG   0003      C-MOUSE             MOUSE                  P               1.0000000      0
1            MFG   0004      C-USB               USB FLASH DRIVE        M               2.0000000      0
.2           MFG   1         12104               SCM A SERIES MULSTRIKE P               2.0000000      0
..3          MFG   0001      12112               SCM A SERIES CVR-UP TAPE P             2.0000000      0
.2           MFG   2         12120               SCM A SERIES LIFT-OFF  M               2.0000000      0
..3          MFG   0001      12195               SCM A SERIES NYLON     P               2.0000000      0
1            MFG   0005      C-USBCA             USB CABLE              P               1.0000000      0
1            MFG   0006      C-MON               24" MONITOR            P               1.0000000      0

          Total Indented Components     10
```

SINGLE-LEVEL BILL

This menu opyion (4-b) prints a single-level bill of material list for one or more items.

When you select this menu option, you must first indicate the destination of the report on the ‘Select Printer’ window.

The following screen is displayed:



Enter the starting item, or leave blank to start at beginning

Enter report selection information in the following fields:

From Item – Enter the low range of items to print, or leave blank to start at the beginning of the items table

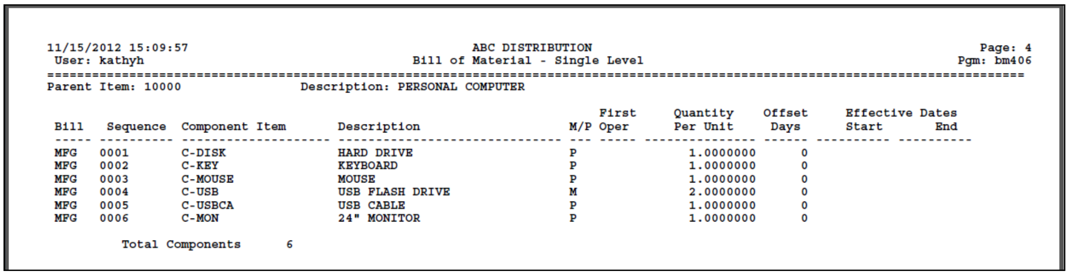
To Item – Enter the high range of items to print, or leave blank to print to the end of the items table.

Bill – Enter the Bill of Material code for the desired bill, or leave blank for all bills of material

Effective Date – Enter an effective date to include/exclude components that have effective dates outside this date

Click OK to process the report, or Cancel to cancel the request

An example of the report follows:



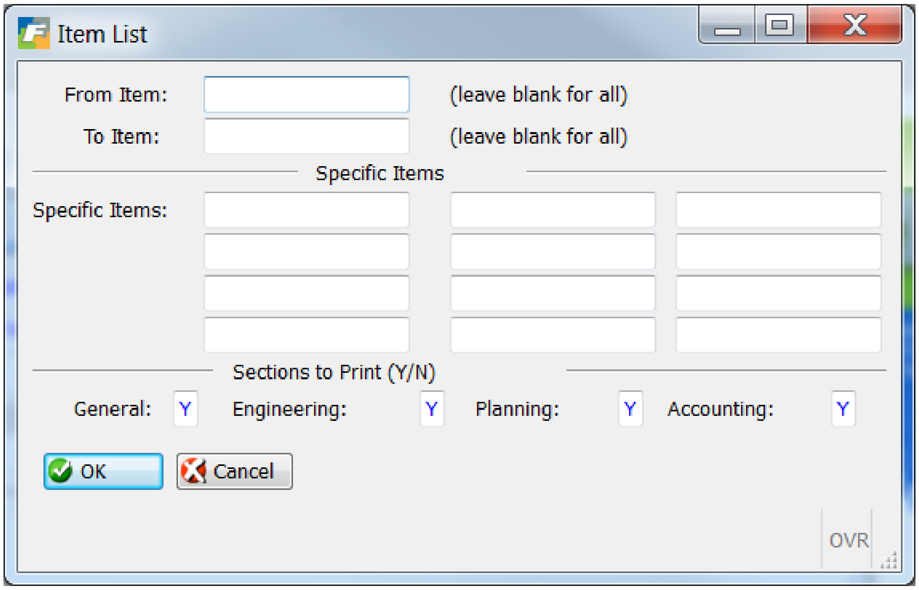
```
11/15/2012 15:09:57                                    ABC DISTRIBUTION                                               Page: 4
 User: kathyh                                  Bill of Material - Single Level                                     Pgm: bm406
==================================================================================================================================
Parent Item: 10000                Description: PERSONAL COMPUTER

                                                                        First     Quantity    Offset      Effective Dates
 Bill   Sequence  Component Item      Description                   M/P Oper      Per Unit     Days      Start        End
 ----- ---------- ------------------- ----------------------------- --- ----- --------------- ------ ---------- ----------
 MFG   0001       C-DISK              HARD DRIVE                    P               1.0000000      0
 MFG   0002       C-KEY               KEYBOARD                      P               1.0000000      0
 MFG   0003       C-MOUSE             MOUSE                         P               1.0000000      0
 MFG   0004       C-USB               USB FLASH DRIVE               M               2.0000000      0
 MFG   0005       C-USBCA             USB CABLE                     P               1.0000000      0
 MFG   0006       C-MON               24" MONITOR                   P               1.0000000      0

          Total Components      6
```

ITEM LIST

This menu option (4-c) prints the manufacturing-related fields for one or more items.

When you select this menu option, you must first indicate the destination of the report on the 'Select Printer' window.

The following screen is displayed:


Item List
From Item:
(leave blank for all)
To Item:
(leave blank for all)
Specific Items
Specific Items:
Sections to Print (Y/N)
General: Y
Engineering: Y
Planning: Y
Accounting: Y
OK
Cancel
OVR

Enter report selection information in the following fields:

From Item – Enter the low range of items to print, or leave blank to start at the beginning of the items table

To Item – Enter the high range of items to print, or leave blank to print to the end of the items table.

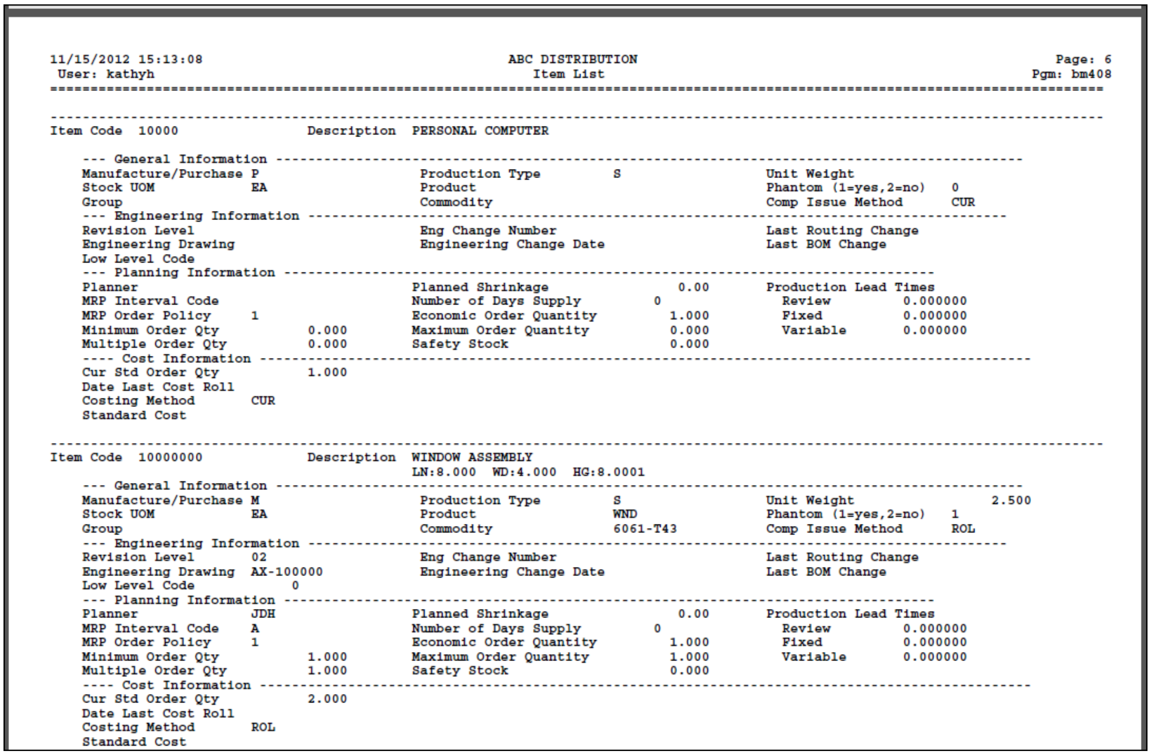
Specific Items – Enter one or more specific items to print

Sectons to Print – Select one or more specific groups of related fields to print on the report

- **General** – print general information, applicable to all ares
- **Engineering** – print engineering related fields
- **Planning** – print planning-related fields
- **Accounting** – print accounting-related fields

Click OK to process the report, or Cancel to cancel the request

An example of the report follows:



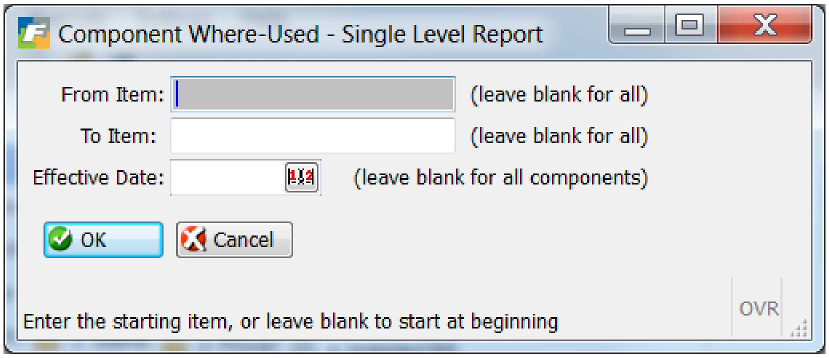
```
11/15/2012 15:13:08                                  ABC DISTRIBUTION                                                    Page: 6
 User: kathyh                                           Item List                                                       Pgm: bm408
==================================================================================================================================

----------------------------------------------------------------------------------------------------------------------------------
Item Code  10000                Description  PERSONAL COMPUTER

    --- General Information ---------------------------------------------------------------------------------------------
    Manufacture/Purchase P                     Production Type        S                  Unit Weight
    Stock UOM            EA                    Product                                   Phantom (1=yes,2=no)   0
    Group                                      Commodity                                 Comp Issue Method      CUR
    --- Engineering Information -------------------------------------------------------------------------------------
    Revision Level                             Eng Change Number                         Last Routing Change
    Engineering Drawing                        Engineering Change Date                   Last BOM Change
    Low Level Code
    --- Planning Information ------------------------------------------------------------------------
    Planner                                   Planned Shrinkage              0.00        Production Lead Times
    MRP Interval Code                         Number of Days Supply       0                Review          0.000000
    MRP Order Policy     1                    Economic Order Quantity       1.000          Fixed           0.000000
    Minimum Order Qty           0.000         Maximum Order Quantity        0.000          Variable        0.000000
    Multiple Order Qty          0.000         Safety Stock                  0.000
    ---- Cost Information -----------------------------------------------------------------------------------------------
    Cur Std Order Qty           1.000
    Date Last Cost Roll
    Costing Method       CUR
    Standard Cost

----------------------------------------------------------------------------------------------------------------------------------
Item Code  10000000             Description  WINDOW ASSEMBLY
                                             LN:8.000  WD:4.000  HG:8.0001
    --- General Information ---------------------------------------------------------------------------------------------
    Manufacture/Purchase M                     Production Type        S                  Unit Weight                   2.500
    Stock UOM            EA                    Product                WND                Phantom (1=yes,2=no)   1
    Group                                      Commodity              6061-T43           Comp Issue Method      ROL
    --- Engineering Information -------------------------------------------------------------------------------------
    Revision Level       02                    Eng Change Number                         Last Routing Change
    Engineering Drawing  AX-100000             Engineering Change Date                   Last BOM Change
    Low Level Code           0
    --- Planning Information ------------------------------------------------------------------------
    Planner              JDH                  Planned Shrinkage              0.00        Production Lead Times
    MRP Interval Code    A                    Number of Days Supply       0                Review          0.000000
    MRP Order Policy     1                    Economic Order Quantity       1.000          Fixed           0.000000
    Minimum Order Qty           1.000         Maximum Order Quantity        1.000          Variable        0.000000
    Multiple Order Qty          1.000         Safety Stock                  0.000
    ---- Cost Information -----------------------------------------------------------------------------------------------
    Cur Std Order Qty           2.000
    Date Last Cost Roll
    Costing Method       ROL
    Standard Cost
```

COMPONENT WHERE-USED – SINGLE-LEVEL

This menu option (4-d) prints a list of component usages for one or more items

When you select this menu option, you must first indicate the destination of the report on the ‘Select Printer’ window.

The following screen is displayed:



Enter the starting item, or leave blank to start at beginning

Enter report selection information in the following fields:

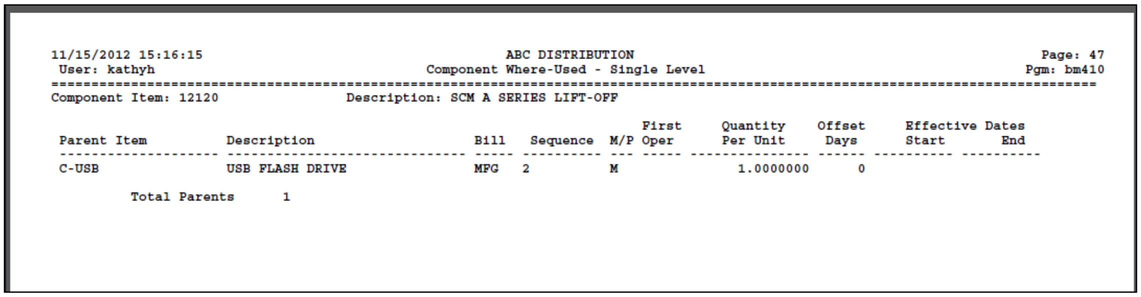
From Item – Enter the low range of items to print, or leave blank to start at the beginning of the items table

To Item – Enter the high range of items to print, or leave blank to print to the end of the items table.

Effective Date – Enter an effective date to include/exclude components that have effective dates outside this date

Click OK to process the report, or Cancel to cancel the request

An example of the report follows:



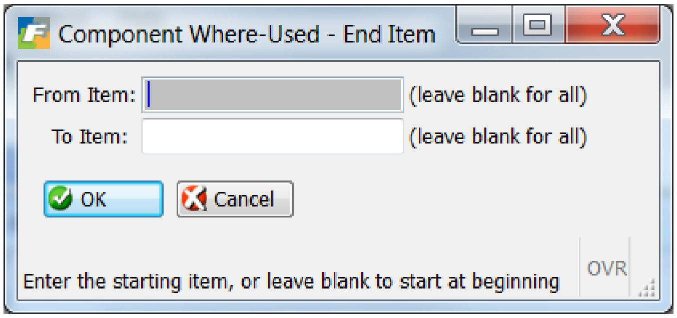
```
11/15/2012 15:16:15                                   ABC DISTRIBUTION                                                Page: 47
 User: kathyh                                Component Where-Used - Single Level                                    Pgm: bm410
=============================================================================================================================
Component Item: 12120              Description: SCM A SERIES LIFT-OFF

                                                                       First    Quantity    Offset    Effective Dates
 Parent Item         Description                   Bill  Sequence  M/P Oper     Per Unit     Days     Start       End
 ------------------- ----------------------------- ----- ---------- --- ----- -------------- ------ ---------- ----------
 C-USB               USB FLASH DRIVE               MFG   2         M               1.0000000      0

          Total Parents     1
```

COMPONENT WHERE-USED – END ITEM

This menu option (4-e) prints a list of top-level items using specific component items

When you select this menu option, you must first indicate the destination of the report on the 'Select Printer' window.

The following screen is displayed:



Enter the starting item, or leave blank to start at beginning

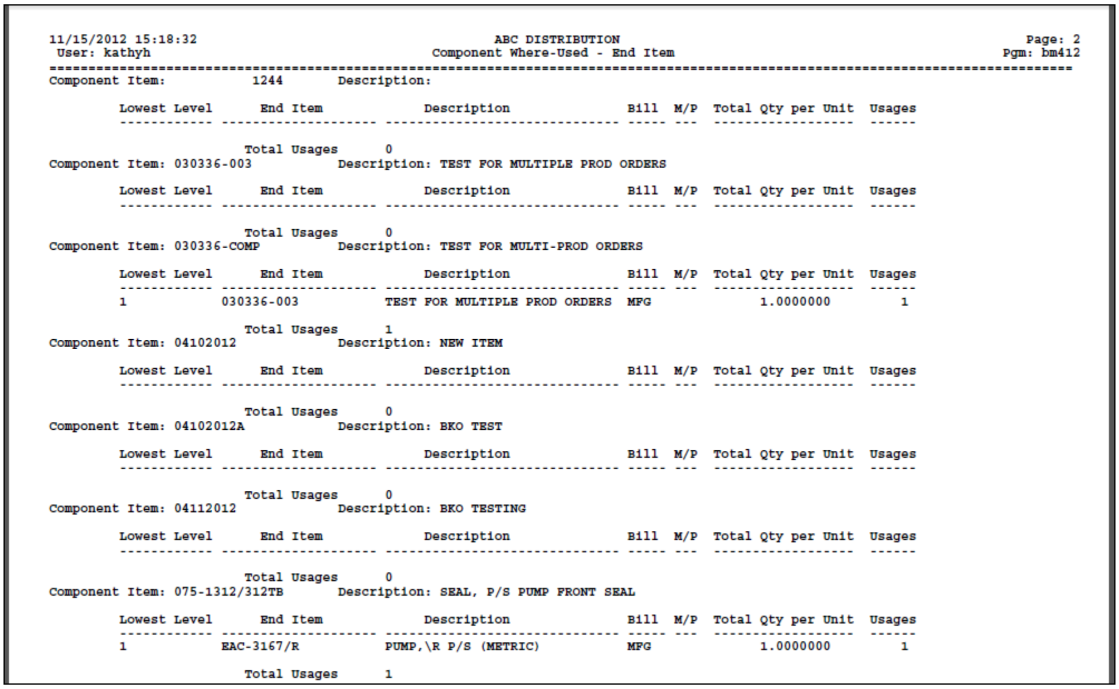
Enter report selection information in the following fields:

From Item – Enter the low range of items to print, or leave blank to start at the beginning of the items table

To Item – Enter the high range of items to print, or leave blank to print to the end of the items table.

Click OK to process the report, or Cancel to cancel the request

An example of the report follows:



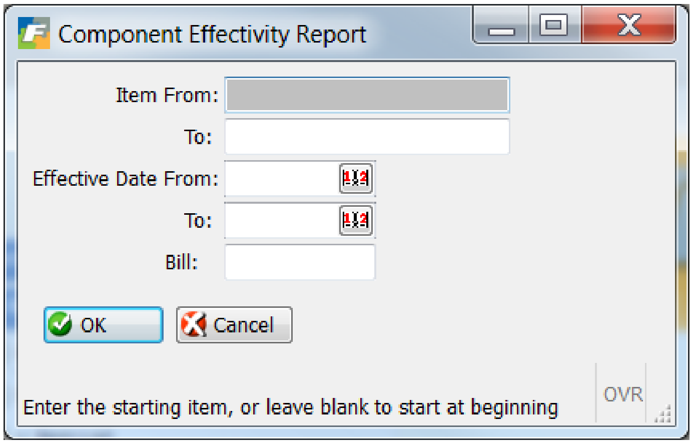
```
11/15/2012 15:18:32                                      ABC DISTRIBUTION                                                     Page: 2
 User: kathyh                                    Component Where-Used - End Item                                           Pgm: bm412
====================================================================================================================================
Component Item:           1244       Description:

         Lowest Level      End Item             Description                Bill  M/P  Total Qty per Unit  Usages
         ------------ -------------------- ------------------------------ ----- ---  ------------------  ------

                         Total Usages      0
Component Item: 030336-003           Description: TEST FOR MULTIPLE PROD ORDERS

         Lowest Level      End Item             Description                Bill  M/P  Total Qty per Unit  Usages
         ------------ -------------------- ------------------------------ ----- ---  ------------------  ------

                         Total Usages      0
Component Item: 030336-COMP          Description: TEST FOR MULTI-PROD ORDERS

         Lowest Level      End Item             Description                Bill  M/P  Total Qty per Unit  Usages
         ------------ -------------------- ------------------------------ ----- ---  ------------------  ------
         1            030336-003           TEST FOR MULTIPLE PROD ORDERS  MFG              1.0000000          1

                         Total Usages      1
Component Item: 04102012             Description: NEW ITEM

         Lowest Level      End Item             Description                Bill  M/P  Total Qty per Unit  Usages
         ------------ -------------------- ------------------------------ ----- ---  ------------------  ------

                         Total Usages      0
Component Item: 04102012A            Description: BKO TEST

         Lowest Level      End Item             Description                Bill  M/P  Total Qty per Unit  Usages
         ------------ -------------------- ------------------------------ ----- ---  ------------------  ------

                         Total Usages      0
Component Item: 04112012             Description: BKO TESTING

         Lowest Level      End Item             Description                Bill  M/P  Total Qty per Unit  Usages
         ------------ -------------------- ------------------------------ ----- ---  ------------------  ------

                         Total Usages      0
Component Item: 075-1312/312TB       Description: SEAL, P/S PUMP FRONT SEAL

         Lowest Level      End Item             Description                Bill  M/P  Total Qty per Unit  Usages
         ------------ -------------------- ------------------------------ ----- ---  ------------------  ------
         1            EAC-3167/R           PUMP,\R P/S (METRIC)           MFG              1.0000000          1

                         Total Usages      1
```

COMPONENT EFFECTIVITY

This menu option (4-f) prints a a list of components with effectivity dates defined

When you select this menu option, you must first indicate the destination of the report on the 'Select Printer' window.

The following screen is displayed:



Enter the starting item, or leave blank to start at beginning

Enter report selection information in the following fields:

Item From – Enter the low range of items to print, or leave blank to start at the beginning of the items table

To (Item) – Enter the high range of items to print, or leave blank to print to the end of the items table.

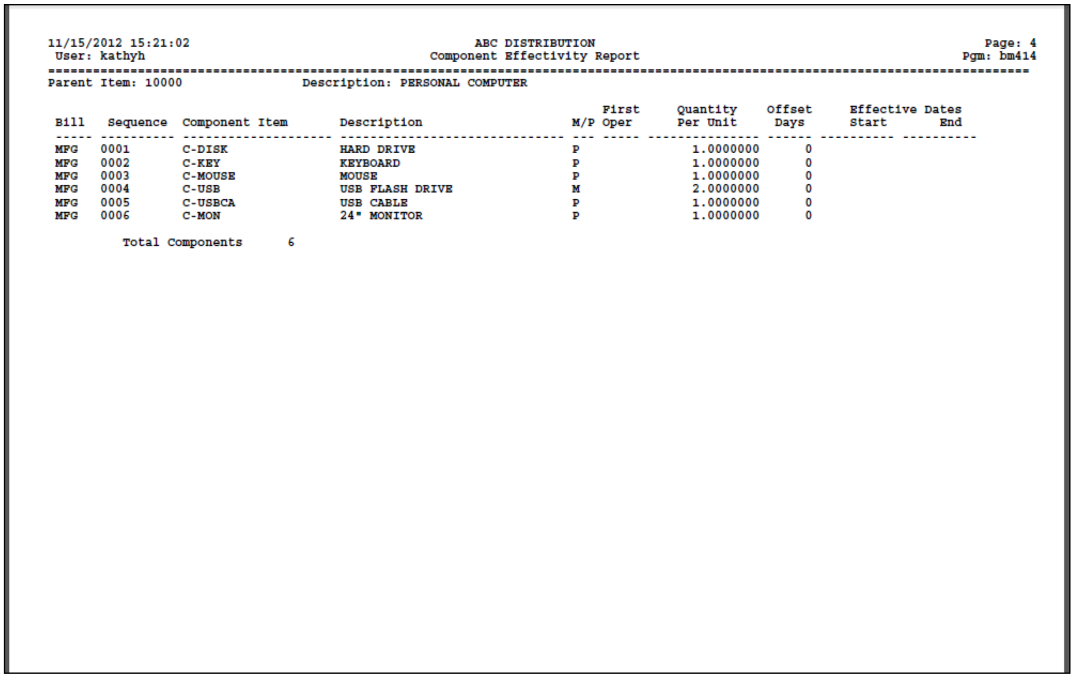
Effective Date From– Enter the low range of effective dates to include/exclude components.

To (Effective Date)- Enter an effective date to include/exclude components that have effective dates outside this date

> NOTE: For a component to be included on this report, it must have an Effective From Date which is in between the two entered dates, OR and Effective To date that is in between the two entered dates.

Click OK to process the report, or Cancel to cancel the request

An example of the report follows:



```
11/15/2012 15:21:02                                      ABC DISTRIBUTION                                                     Page: 4
 User: kathyh                                      Component Effectivity Report                                            Pgm: bm414
====================================================================================================================================
Parent Item: 10000                Description: PERSONAL COMPUTER

                                                                          First     Quantity    Offset      Effective Dates
 Bill   Sequence  Component Item       Description                    M/P Oper      Per Unit      Days      Start       End
 ----- ---------- -------------------- ------------------------------ --- ----- --------------- ------ ---------- ----------
 MFG   0001       C-DISK               HARD DRIVE                     P               1.0000000      0
 MFG   0002       C-KEY                KEYBOARD                       P               1.0000000      0
 MFG   0003       C-MOUSE              MOUSE                          P               1.0000000      0
 MFG   0004       C-USB                USB FLASH DRIVE                M               2.0000000      0
 MFG   0005       C-USBCA              USB CABLE                      P               1.0000000      0
 MFG   0006       C-MON                24" MONITOR                    P               1.0000000      0

          Total Components      6
```

INDEX

A

Accounting Codes, 12
Available, 49, 50, 51

C

CMLT Calculator, 31
Component Mass Change/Delete, 26
Component Where-Used – Indented, 45
Component Where-Used – Single-Level, 43

D

Default Bill of Material Code, 12
Default Component Issue Method, 11

E

Engineering Change, 19, 20, 21, 42, 48
Engineering Drawing Number, 20
EOQ Calculator, 33

G

Group Codes, 15

I

Indented Bill, 39, 60
Issue Method, 22, 42, 48
Issue Type, 22, 42, 48
Item Availability Inquiry, 49
Item Substitutions, 7, 13

L

Low-Level Codes, 29

M

Material Planning, 30

O

Operation Where Used, 21, 41, 44, 47
Operation Where-Used, 19

P

Parent Detail screen, 47
Phantom, 38, 40, 44, 50
Planner Codes, 16
Product Codes, 14
Product Costing, 30
Production Allocations screen, 56
Production Receipts screen, 55

R

Receipts, 53
Received Quantity, 53, 55
Reference Designators, 25
Requisitions screen, 54
Revision Level, 19, 38, 40, 43
Routing screen, 23

S

Sales Allocations screen, 56
Setup, 7
Shrinkage Factor, 22
Single-Level Bill, 37
Start Offset Days, 21, 41, 47