



Multi-Bin Processing For Sage 100 ERP 2013

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Installation Instructions and Cautions

PLEASE NOTE: SAGE 100 ERP must already be installed on your system before installing any IIG enhancement. If not already done, perform your SAGE 100 ERP installation and setup now; then allow any updating to be accomplished automatically.

Once SAGE 100 ERP installation and file updating is complete, you may install your IIG enhancement product by following the procedure below.

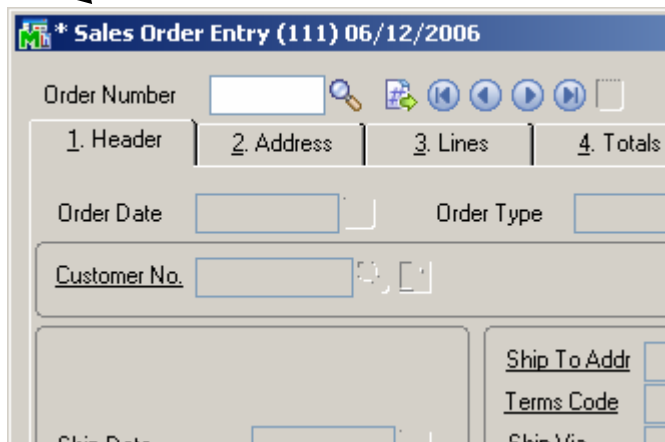
Wait! Before You Install – Do You Use CUSTOM OFFICE?

THIS IS AN IMPORTANT CAUTION: If you have Custom Office installed, **and** if you have modified any SAGE 100 ERP screens, you must run **Customizer Update** after you do an enhancement installation.

But wait! BEFORE you run **Customizer Update**, it is very important that you **print all of your tab lists**. Running **Customizer Update** will clear all Tab settings; your printed tab list will help you to reset your Tabs in Customizer Update. **Custom Office** is installed on your system if there is an asterisk in the title bar of some of the screens. The asterisk indicates that the screen has been changed.

An **asterisk** in a window's title bar indicates that the screen has been modified. This means that **Custom Office** is installed.

Follow all the instructions on this page before you run **Customizer Update!**



Registering IIG products

IIG Enhancement should be registered to be able to use it. If registration is not performed, the enhancement will work in a demo mode for a limited time period. The registration can be still done during the demo period.

Select the **IIG Product Registration** program under the **Library Master Setup** menu of the SAGE 100 ERP.

If this option is not listed under the Library Master Setup menu, go to the main menu, and select **Run** from the **File** menu. Type in SVIIGR and click **OK**.

Enhancement	Level	Release Date	Serial Number	Unlocking Key	Status
IIG Enhancement	5.00		AAAAAAAAAAAAAAAA	BBBBBB	Invalid

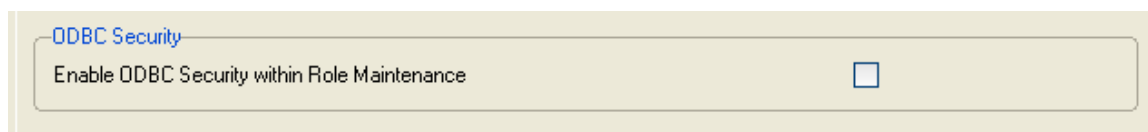
Enter **Serial Number** and **Unlocking Key** provided by IIG, and click **OK**.

If multiple IIG Enhancements are installed, Serial Numbers and Unlocking Keys should be entered for each enhancement.

Use the **Print Registration Form** button to print IIG Registration Form.

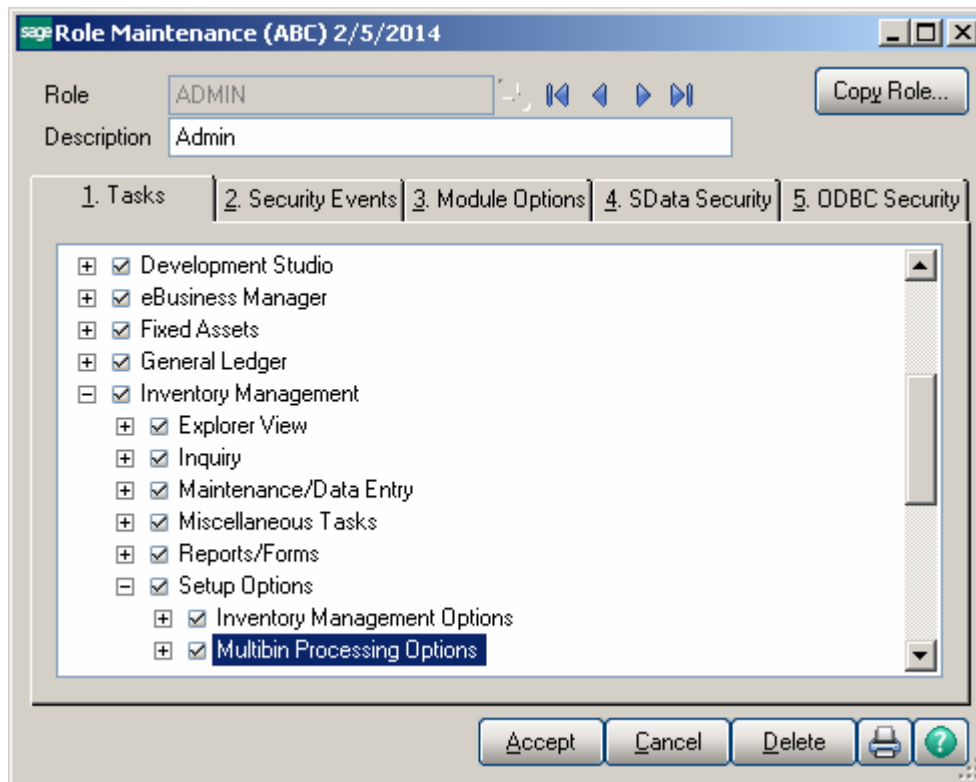
ODBC Security

After installing an **IIG Enhancement**; it is **very important to verify** whether or not the **Enable ODBC Security within Role Maintenance** check box is selected in the **System Configuration** window of your system. If it is selected you must assign ODBC security permissions and allow access to custom data tables/fields for the Roles defined in your system.



Role Maintenance

After installing an **IIG Enhancement**, permissions must be configured for newly created Tasks and Security Events.



Introduction

The IIG's Multi-Bin Processing Enhancement provides additional functionality needed for streamlined fulfillment of orders from multiple warehouse bin locations. It allows for tracking of quantities by multiple bin location by item within a warehouse. Processing quantities by bin is supported in SO, IM, PO, RMA and BOM modules.

Multi-Bin Setup

Before starting to use Multi-Bin enhancement it is necessary to setup Multi-Bin options and respectively a warehouse or warehouses using bins.

Multi-Bin Processing Options

Select **Multibin Processing Options** from the **Inventory Management Setup** menu.

Run the **Multibin Processing Options** program immediately after the Multi-Bin Processing enhancement is installed. The **Multibin Processing Options** program must be run also when data is copied from an existing company to a newly created one. This program should be run in order to create all the required files and to expand existing files as required for Multi-Bin Processing setup. Run the program in order to avoid occurrence of error conditions related to installation.

sage **Multibin Processing Options (ABC) 2/5/2014**

1. Main | 2. Additional

Sale From Bin By:

Sales Order Entry Commits Inventory in Bin

Pick Sheet Auto Distribution

Pick Sheet Ordering from Back Ordered

Pick Sheet Back Ordering from Ordered

Exclude Lines with Qty On Hand <=0 in Pick Sheet

Auto Distribute to Receiving Bin during Receipt

Allow Negative Distribution

Enable Traveler Bin Processing

Batch Processing

Description	Enable	Next Batch
Bin Transfer Entry	<input checked="" type="checkbox"/>	00001

Bin Transfer Entry

Next Automatic Bin Transfer Entry Number:

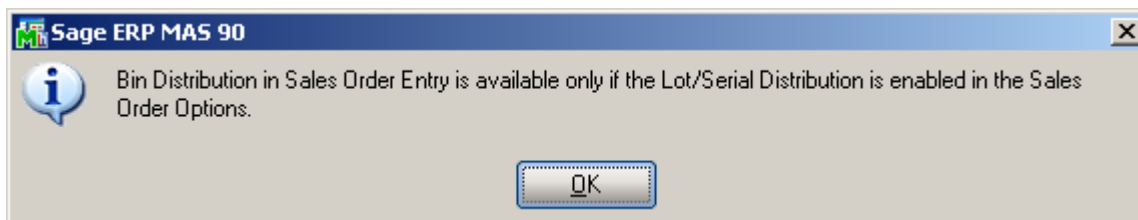
Allow Bin Segment

Manual Accept Cancel

Sale From Bin By:

- None
- Receiving Date
- Smallest Quantity on Hand
- Bin Priority

The **Sale From Bin By** drop box is intended for setting the option to be used when Items are automatically distributed by bins in the Sales Order and Invoice Data entries. Before selecting this checkbox make sure the Lot/Serial Distribution for Sales Order is enabled in the **Sales Order Options**, otherwise the following message will appear when trying to turn on this option.



None: Disables the autodistribute by bins feature.

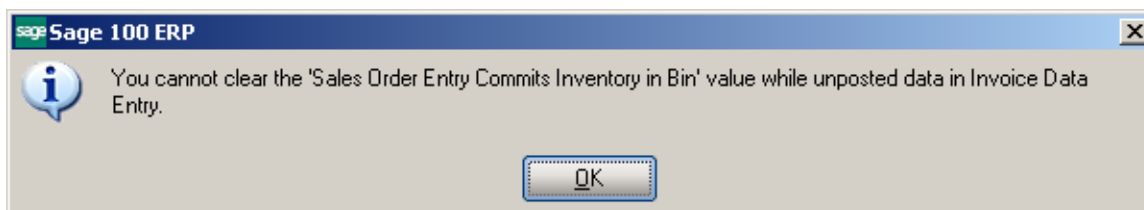
Receiving Date: The program will distribute items by the receiving date.

Smallest Quantity On Hand: The program will distribute items by the smallest available quantity.

Bin Priority: The program will distribute items by bin priority.

Check the Sales Order Entry Commits Inventory in Bin box to enable distribution by bin during Sales Order Entry. The distribution will then be transferred into the invoice during Sales Order invoicing.

The following message appears when trying to change this option while there is unposted data in the Invoice Data Entry:



Check the **Pick Sheet Auto Distribution** box to have items distributed automatically in the Picking Sheets. In this case the Bin Distribution screen is not auto popup in the Sales Order entry.

Note that if this option is selected, a Pick Sheet should be printed before invoicing an order.

The **Pick Sheet Ordering from Back Ordered** and **Pick Sheet Back Ordering from Ordered** check boxes are available only if the **Pick Sheet Auto Distribution** box is checked.

Check the **Pick Sheet Ordering from Back Ordered** box to enable auto distributing from back ordered quantity option in the Picking Sheet Printing. Refer to [Picking sheet Printing](#) for details.

Check the **Pick Sheet Back Ordering from Ordered** box to enable auto distributing from quantity ordered option in the Picking Sheet Printing. Refer to [Picking sheet Printing](#) for details.

Check the **Back Ordered Qty Auto Bin Distribution After Update** box to enable Auto Bin Distribution for the Back Orders being created during update.

Check the **Exclude Lines with Quantity On Hand <= 0 in Pick Sheet** box to exclude from Picking Sheet printing the lines with Quantity On Hand for current Item->Warehouse less or equal to zero.

Check the **Auto Distribute to Receiving Bin during Receipt** box to enable automatic distribution of the quantities received to the special Receiving Bin specified for each Warehouse.

Select the **Allow Negative Distribution** option to enable distribution of negative quantities in Sales Order, Invoice Data Entry and wherever the Quantities are committed.

Select the **Enable Traveler Bin Processing** option to be able to process Traveler Bins. See [Traveler Bin Processing](#).

Batch Processing- select the checkbox to enable Batch Processing for Bin Transfer. The Next Batch number is defaulted to 00001. Enter the next batch number you want to be assigned when using the batch processing feature in the Bin transfer Entry You can enter numeric or alphanumeric characters.

Batch Processing		
Description	Enable	Next Batch
Bin Transfer Entry	<input checked="" type="checkbox"/>	00001

Next Automatic Bin Transfer Entry Number- is the next transfer entry number to be assigned when the Next Number button is clicked in the Bin transfer Entry. You can type alphanumeric and special characters.

Bin Transfer Entry	
Next Automatic Bin Transfer Entry Number	<input type="text" value="0000000001"/>

The **Allow Bin Segment** option allows for displaying Bin numbers by the segments defined on the Additional tab.

Press the **Manual** button to open the MBN manual.

Warehouse Code Maintenance

Select the Warehouse Code Maintenance program under the Inventory Management Setup menu.

The screenshot shows the 'Warehouse Code Maintenance' window for warehouse '001'. The 'Use Bins' checkbox is checked, and the 'Bin Maintenance' button is active. The 'Receiving Bin No.' and 'Next Traveller Bin No.' fields are also visible.

Check the **Use Bins** box to start using Bins for the selected Warehouse. The **Bin Maintenance** and the **Receiving Bin Number** options are available only for Warehouses using Bins.

No Bin Processing functionality is available for Warehouses not Using Bins.

When the **Use Bins** checkbox is selected the following message box appears upon Accept:

The message box asks: 'Use your existing bin locations for this warehouse?' with 'Yes' and 'No' buttons.

If **Yes** is selected, the program checks if there is Bin Location for the Warehouses then uses that one; otherwise it creates a Default bin.

If **No** is selected, then Default Bin is created.

Note that if the **Use Bins** option is cleared for a **Warehouse**, the entire **Bin Information** (Bin Numbers, Item Quantities for Bins) will be cleared, and you will not be available to restore it.

Click the **Bin Maintenance** button to open the **Bin Code Maintenance** screen for the selected warehouse.

The **Priority Code** is used for auto-distribution by **Priority**.

Bin Type – this is an informational field, which allows the user to select a type for each Bin.

Bin On Hold for –The selected **Bin** can be set **on Hold**, preventing from either automatic or manual distribution to that bin, during **Sales**, **Receiving**, or **Both**.

Bin on Hold for	None
	None
	Sales
	Receiving
	Both

None means the Bin can be used for distribution freely.

Bin on Hold for Sales means it is not available (in the lookups and for manual entry) and cannot be used throughout the **Sales Order module** and in the **I/M Sales Transactions**.

Bin on Hold for Receiving means it is not available (in the lookups and for manual entry) and cannot be used throughout the **Purchase Order module** and in the **I/M Receipts Transactions**.

Bin on Hold for Both means it is not available and cannot be used for either **Sales** or **Receiving**.

The **Traveler Processing** section displays information about the TravelerBin created in the Traveler Bin Maintenance. The Traveler Bin can be selected in the Bin Code Maintenance but it cannot be created in the Bin Maintenance or deleted from there. Traveler Bin can be created and deleted only in the Traveler Bin Maintenance. Upon selecting a traveler Bin Number the Is Traveler Bin flag is set and respective information loaded from the **Traveler Bin Maintenance**.

The screenshot shows the 'Bin Code Maintenance' window. The 'Warehouse Code' is '003' (EAST WAREHOUSE). The 'Bin Number' is 'T-00-000-0004'. The 'Description' is 'Travel 004'. The 'Bin Type' is 'Regular' and 'Bin on Hold for' is 'None'. The 'Traveler Processing' section is highlighted with a blue box and contains the following fields:

- Is Traveler Bin:
- Traveler Bin Type: Tare
- Located In Bin: T-00-000-0002
- Alternate ID Number: 123456

Buttons at the bottom include 'Accept', 'Cancel', 'Delete', and a printer icon.

Bin Distribution Entry

You should distribute items in the **Bin Distribution Entry** screen, for the **Warehouses Using Bins**, from the following SAGE 100 ERP programs:

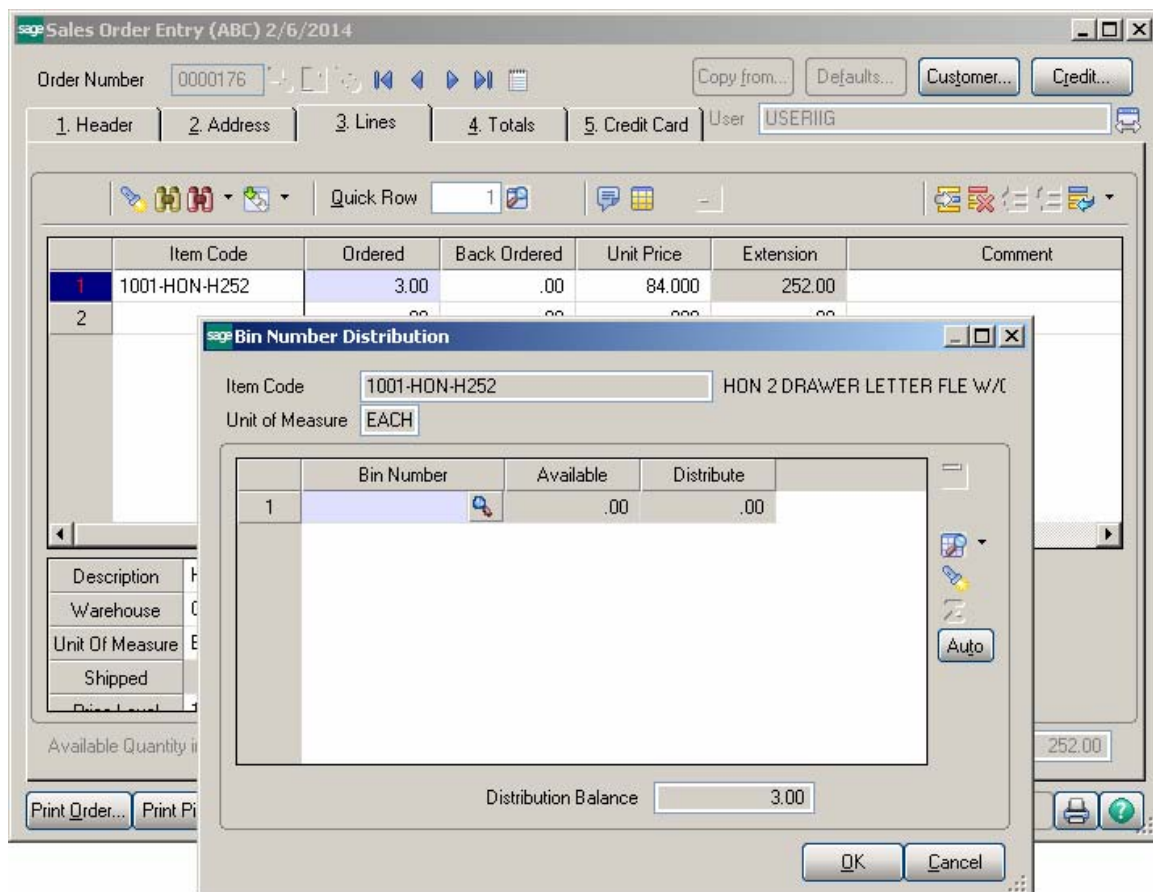
- Inventory Transactions
- Sales Order Entry (optional depending on the MBN Setup setting)
- Sales Invoice Entry
- Shipping Entry
- Purchase Order Receipt of Goods Entry
- Purchase Order Return of Goods Entry
- Return Merchandise Authorization Entry
- Return Merchandise Receipt Entry
- Bill Of Materials Production Entry
- Bill Of Materials Disassembly Entry

The **Bin Distribution** screen is not available in any program for the Warehouses not Using Bins.

Inventory Transactions**Sales Transaction Entry**

When entering an inventory transaction for a warehouse using bins it is necessary to assign the bin locations being used to maintain proper QOH tracking. The Bin Number Distribution entry allows for quantities distribution by the selected Bins.

Here is the Bin Number Distribution entry opened upon entering the quantity in the Sales Transaction entry lines.



The Bin Number lookup lists all Bins that are not **On Hold for Sales**:

Bin Number	Description	Receipt Date	Priority	Available
A-100-10	Original bin location	2/5/2014		2.000
A-300-20	Original bin location	2/5/2014		5.000
E-300-10	Sales/Receiving Bin Location	2/5/2014	1	987.000

Search Bin Number Begins with Find

Filters...

Custom... Select Cancel [Help] [Print] [Refresh]

Found 3 records

Press the **Show All Bins** button to load all bin numbers in the grid and be able to distribute by several bins.

sage Bin Number Distribution

Item Code: 1001-HON-H252 HON 2 DRAWER LETTER FLE W/C

Unit of Measure: EACH

	Bin Number	Available	Distribute
1	A-100-10	2.00	.00
2	A-300-20	5.00	.00
3	E-300-10	987.00	.00
4		.00	.00

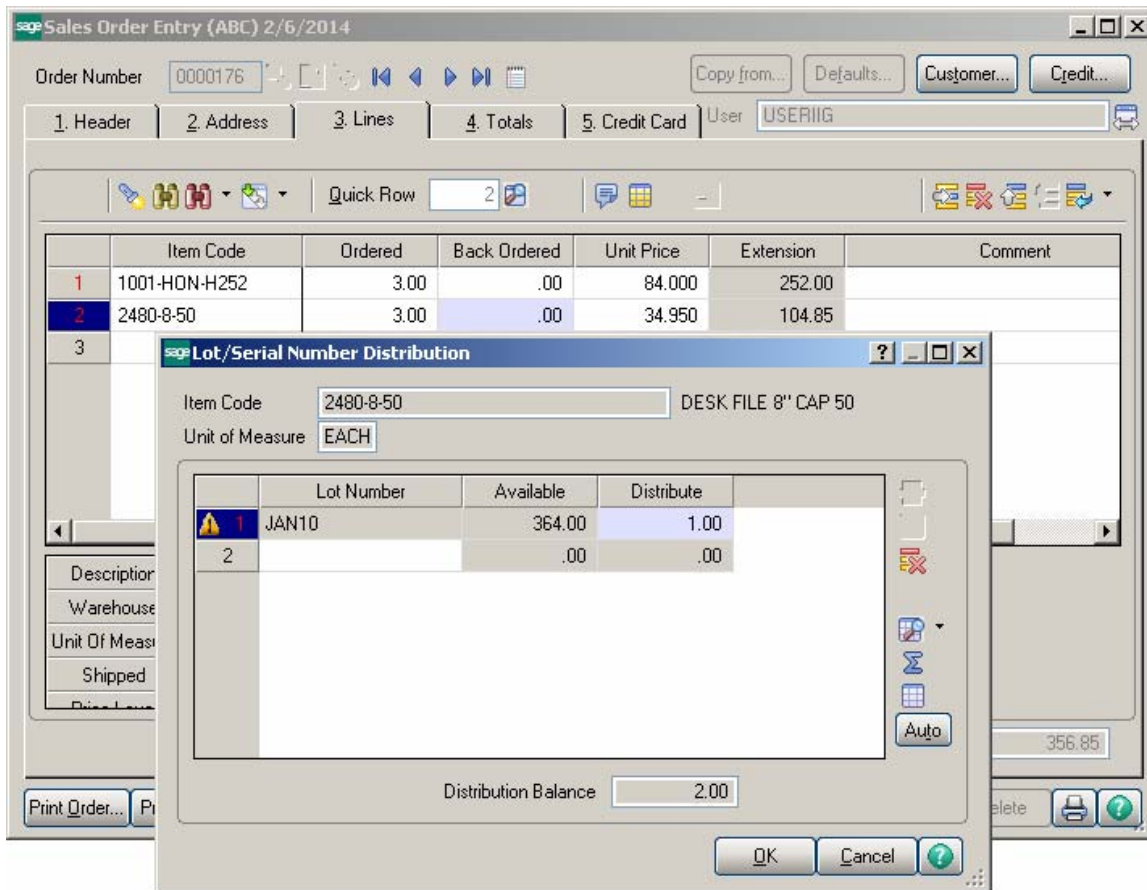
Show All Bins, Alt-L

Auto

Distribution Balance: 3.00

OK Cancel

When a Lot/serial Item is entered in the lines the Lot/Serial Distribution screen is popup first:



Only after the quantity is distributed by Lot Number, The Bin Number Distribution screen is opened allowing the user to distribute current Lot/Serial number by Bin.

Item Code: 2480-8-50 DESK FILE 8" CAP 50
Unit of Measure: EACH Lot/Serial No: JAN10

	Bin Number	Available	Distribute
1	C-100-10	364.00	1.00
2		.00	.00

Distribution Balance: .00

OK Cancel

The **Distribution Balance** field at the bottom of the window reflects a running total of the remaining quantity to distribute.

Transfer Transaction Entry

The **Bin Number Distribution** entry provided in the **Transfer Entry** consists of two tabs: one for specifying the “From Warehouse” bins and the other for the bins of “To Warehouse”.

Transaction Type: Transfers
Entry Number: 00000001

1. Header | 2. Lines

Quick Row: 1

	Item Code	Quantity	Unit Cost	Extension
1	1001-HON-H252LK	5.00	37.150	185.75
2				

Bin Number Distribution

Item Code: 1001-HON-H252LK HON 2 DRAWER LETTER FILE W/
Unit of Measure: EACH

1. From Whse 001 Bins | 2. To Whse 002 Bins

	From Bin Number	Available	Distribute
1		.00	.00

From Bins Balance: 5.00 | To Bins Balance: 5.00

OK | Cancel

If either of the warehouses: “From Whse” or “To Whse” is not using bins only one tab is available.

Here is the **Bin Distribution Entry** for a transfer entry from a warehouse not using bins to a warehouse using bins.

Item Code: 1001-HON-H252 HON 2 DRAWER LETTER FILE W/C
Unit of Measure: EACH


2.To Whse 001 Bins

To Bin Number	Available	Distribute
1	.00	.00

To Bins Balance: 5.00

Whse Bin List, Alt-G

OK Cancel

Press the  **Show All Bins** button to load in the grid all active bins (processed at least once in any transaction) for current warehouse.
Press the flashlight button (Whse Bin List) to open the list of all bins for current warehouse.

Adjustment Entry

Bin Distribution has been provided for Adjustment type transactions. The **Bin Distribution** button is available on the standard **Distribution Entry** screen allowing the user to distribute the adjusted quantities by bins if the warehouse is using bins.

The screenshot displays the Sage Transaction Entry (ABC) 2/6/2014 interface. The main window shows the following details:

- Transaction Type: Adjustments
- Entry Number: 00000009
- Transaction Type: Adjustments
- Entry Number: 00000009
- Transaction Type: Adjustments
- Entry Number: 00000009


The main window contains a table with the following data:

	Item Code	Quantity	Unit Cost	Extension
1	1001-HON-H252	2.00	34.250	68.50
2				

The 'Distribution Entry' dialog box is open, showing the following details:

- Item Code: 1001-HON-H252
- Unit of Measure: EACH
- FIFO Date: 5/1/2010
- Receipt No.: 00000008
- Available: 997.00
- Distribute: 2.00
- Distribution Balance: .00

The dialog box has 'OK' and 'Cancel' buttons. A tooltip 'Bin Distribution, Alt-Y' is shown over the 'Distribute' field. The main window also has 'Accept', 'Cancel', and 'Delete' buttons at the bottom.

After the quantity is fully distributed by bins the **Bin Distribution** button becomes yellow colored: . The Adjustment Entry cannot be accepted until the quantities are fully distributed by bins.

The **Bin Number Distribution** screen is automatically popup when the **Distribute** quantity is manually changed.

Item Code: 1001-HON-H252 HON 2 DRAWER LETTER FLE W/C
Unit of Measure: EACH

Bin Number	Available	Distribute
1	.00	.00

Distribution Balance: 2.00

Buttons: OK, Cancel

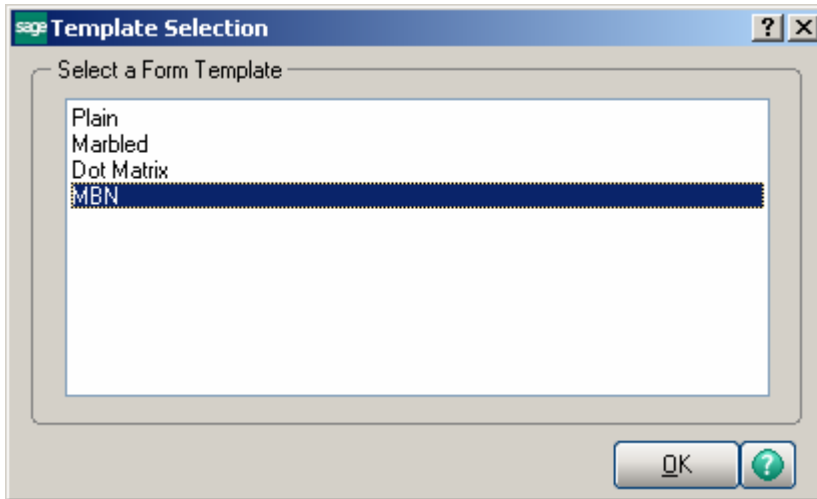
Tooltip: Show All Bins, Alt-L

The **Bin Number Distribution** entry accessed from the Adjustment type Transaction Entry is similar the one provided in the Sales, Issue and Receipt types Transaction entries.

Printings

Picking Sheet Printing

The **MBN** Form code has been added to the **Picking Sheet Printing Form Template Selection** to enable printing Bin distributions for each item on the picking sheet.



For MBN form the **Print Lot/Serial Distribution** checkbox is selected by default and disabled.

Picking Sheet Printing (ABC) 2/6/2014

Form Code:

Description:

Number of Copies: Collated: Multi-Part Form Enabled:

Order Type to Print: Include Unauthorized/Expired Credit Card Orders:

Print Orders on Hold: Include Back Order Quantity in Quantity Ordered:

Print Comments: Include Back Ordered Lines:

Print Lot/Serial Distributions

Additional Item Types to Print

Charge Items: Miscellaneous Items: Special Items:

Auto distribute by bin location: Auto distribute from Back Ordered:

Refresh Distribution: Auto distribute from Ordered:

Line 1 Message:

Line 2 Message:

Selections

Select Field	Operand	Value
Order Number	All	
Warehouse Code	All	

Adobe PDF:

In order to have the **Auto distribute by bin location** option enabled, it is necessary to turn on the **Pick Sheet Auto Distribution** option from the **Multibin Processing Options**.

Auto distribute by bin location- select this checkbox to auto distribute the sales orders lines distributed partially or not distributed at all.

Auto distribute by bin location Auto distribute from Back Ordered

Refresh Distribution Auto distribute from Ordered

Refresh Distribution – is enabled upon selecting the **Auto distribute by bin location** checkbox. This option allows for removing existing distributions and processing Sales orders lines auto distribution anew.

The **Auto distribute from Back Ordered** and **Auto distribute from Ordered** checkboxes are enabled if respective options are set in the **Multibin Processing Options**.

Auto distribute from Back Ordered – this option allows for distributing sales order line by the “Qty ordered – Qty Back ordered”. If there is not enough quantity to distribute the program will auto distribute as much as possible and add the remaining quantity to Qty Backordered.

For example:

Ordered 10, BackOrdered 3, Distributed 0

With this option turned on, the program will try to distribute 10-3=7 qty. The remaining qty that cannot be distributed will be added to the backordered qty. So if there are only 4 (from 7) available for distribution, then line quantities will become:

Ordered 10, BackOrdered 6, Distributed 4

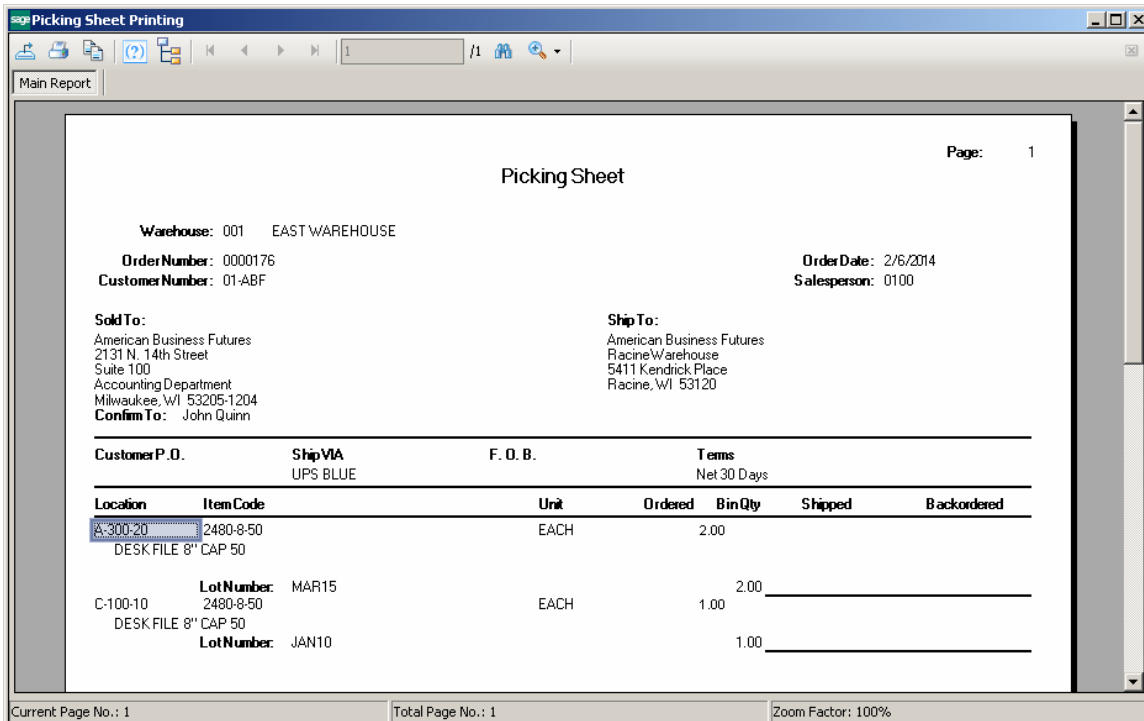
Auto distribute from Ordered – this option allows for distributing sales order line by the Quantity Ordered. the quantities that cannot be distributed will be set as qty backordered. For example:

Ordered 10, BackOrdered 3, Distributed 0

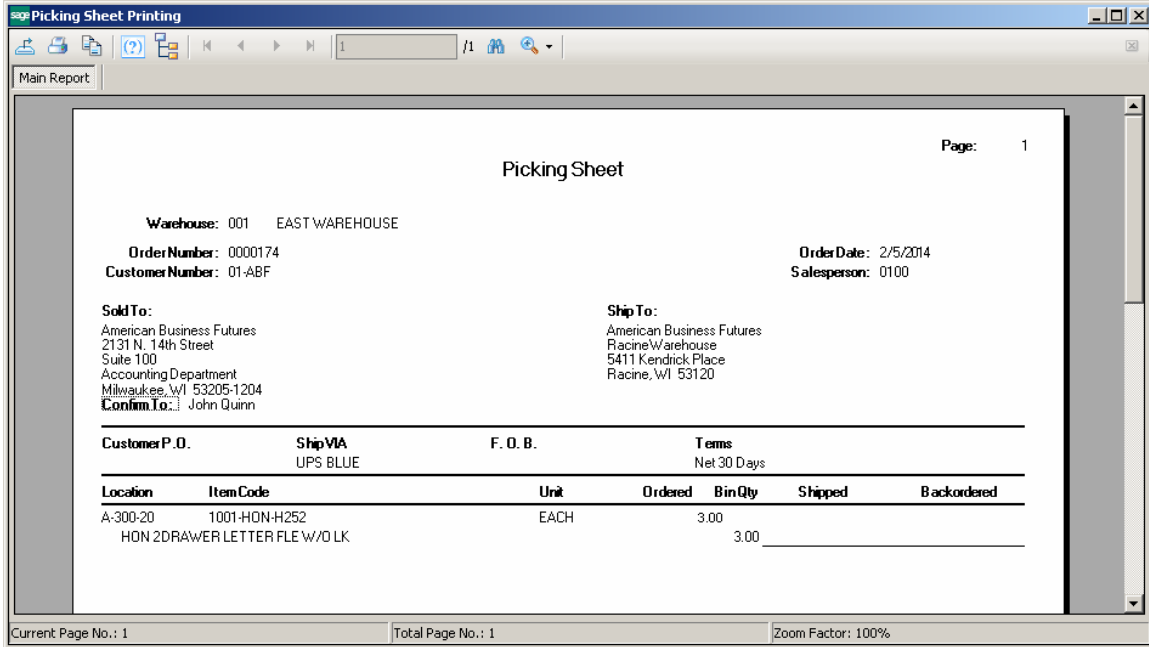
With this option turned on, the program will try to distribute all 10 ordered quantities, remaining qty that cannot be distributed, will be sent as backordered. So if only 8 quantities from 10 can be distributed the line quantities will become:

Ordered 10, BackOrdered 2, Distributed 8.

For Lot/Serial Items the Bin Distribution is printed along with lot and serial distribution.

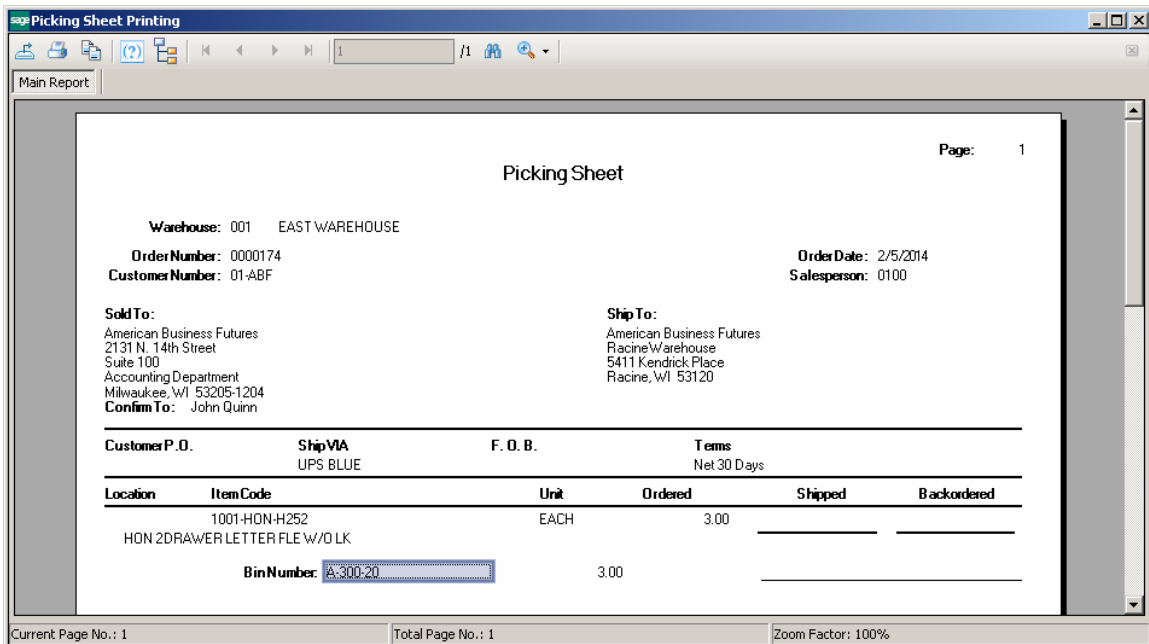


For regular Items only Bin distribution is printed:



These are examples of Picking Sheets printed with **Print Picking Sheets by** option set to **Bin Location** in the Sales Order Options (Forms tab).

Here are examples of Picking Sheets printed with **Print Picking Sheets by** option set to **Item**.



Picking Sheet Printing

Main Report

Page: 1

Picking Sheet

Warehouse: 001 EAST WAREHOUSE

Order Number: 0000176 Order Date: 2/6/2014
 Customer Number: 01-ABF Salesperson: 0100

Sold To:
 American Business Futures
 2131 N. 14th Street
 Suite 100
 Accounting Department
 Milwaukee, WI 53205-1204
 Confirm To: John Quinn

Ship To:
 American Business Futures
 Racine Warehouse
 5411 Kendrick Place
 Racine, WI 53120

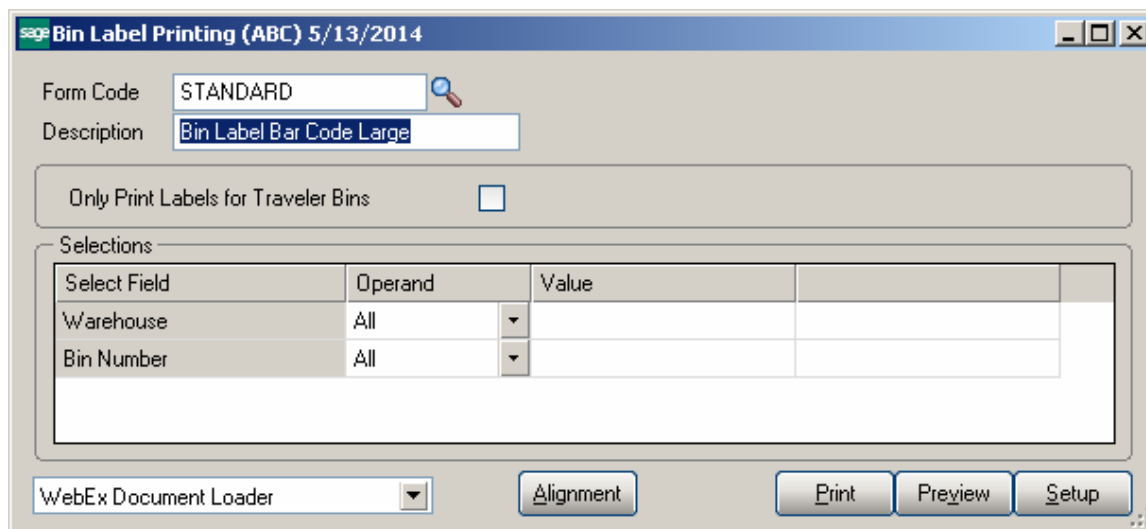
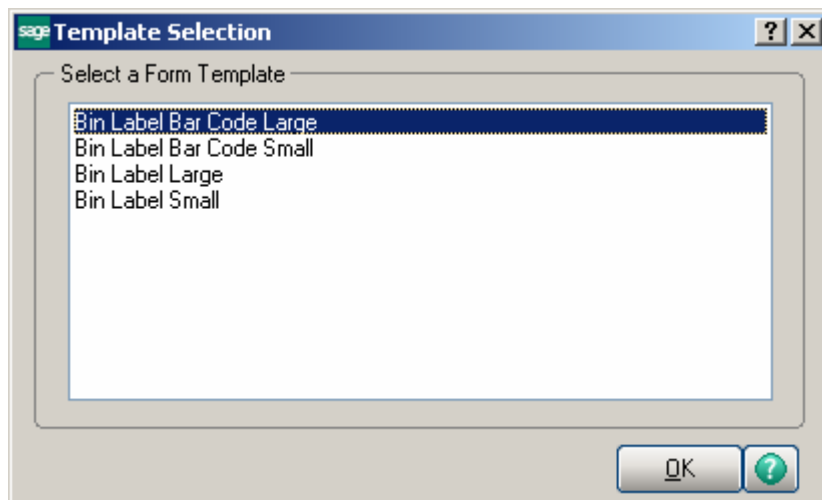
Customer P.O.	Ship VIA	F. O. B.	Terms		
	UPS BLUE		Net 30 Days		

Location	Item Code	Unit	Ordered	Shipped	Backordered
	2480-8-50	EACH	3.00		
	DESK FILE 8" CAP 50				
	Lot Number: JAN10		1.00		
	Bin Number: C-100-10		1.00		
	Lot Number: MAR15		2.00		
	Bin Number: A-300-20		2.00		

Current Page No.: 1 Total Page No.: 1 Zoom Factor: 100%

Bin Label Printing

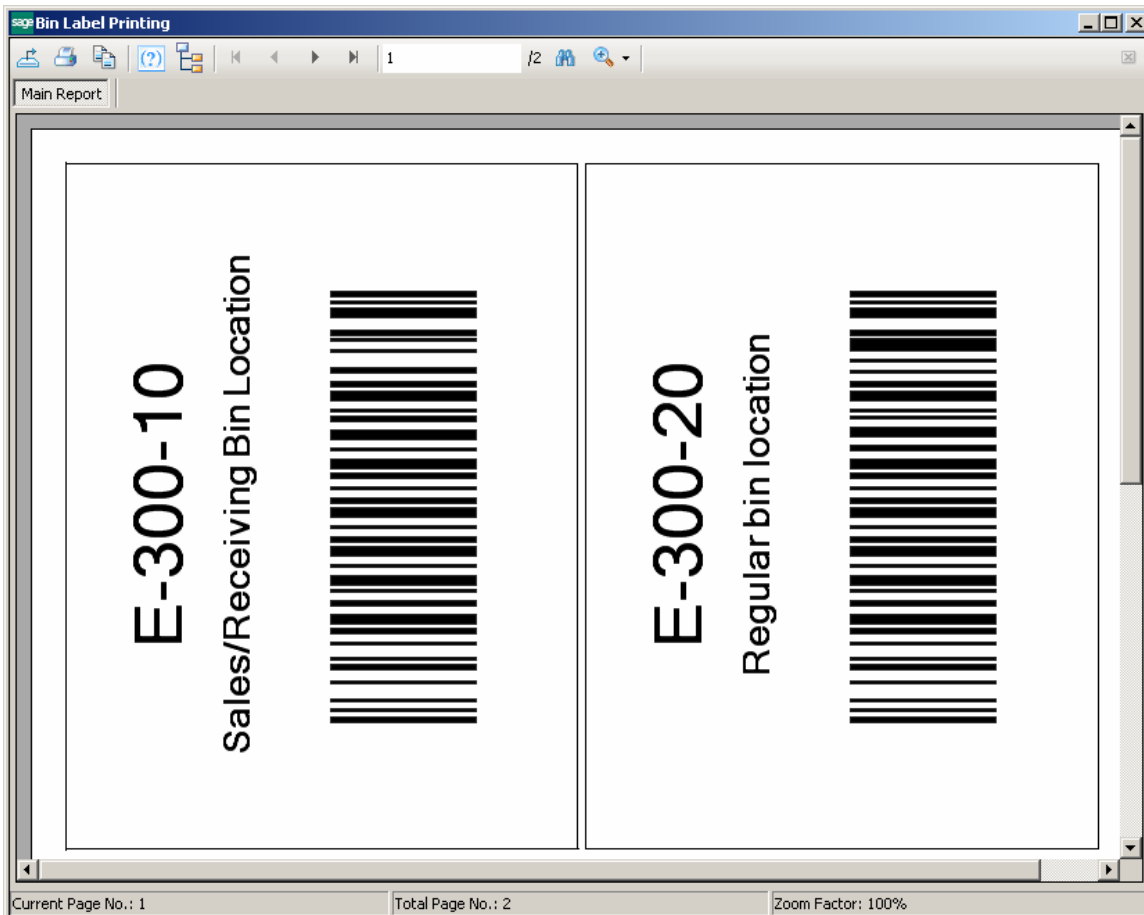
The **Bin Label Printing** program added under the **Reports** Menu of the **Inventory Management** module allows for printing **Bin Labels** and Bin Labels with bar code. The following templates are available:



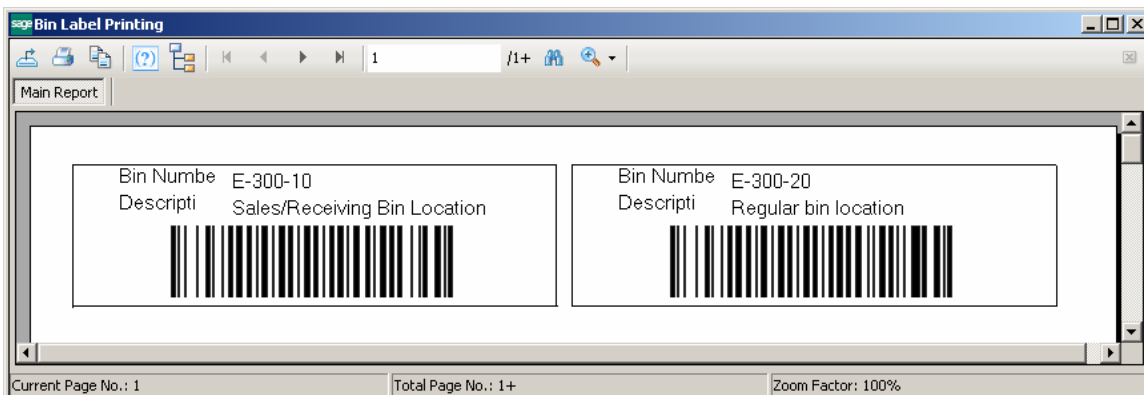
The **Bin Labels** can be filtered based on the following **Selection** criteria: Warehouse Code and Bin Location.

Select the **Only Print Labels for Traveler Bins** checkbox (is shown if the Enable Traveler Bin Processing checkbox is selected in the Multibin Processing Options) to include only Traveler bins in the Label printing.

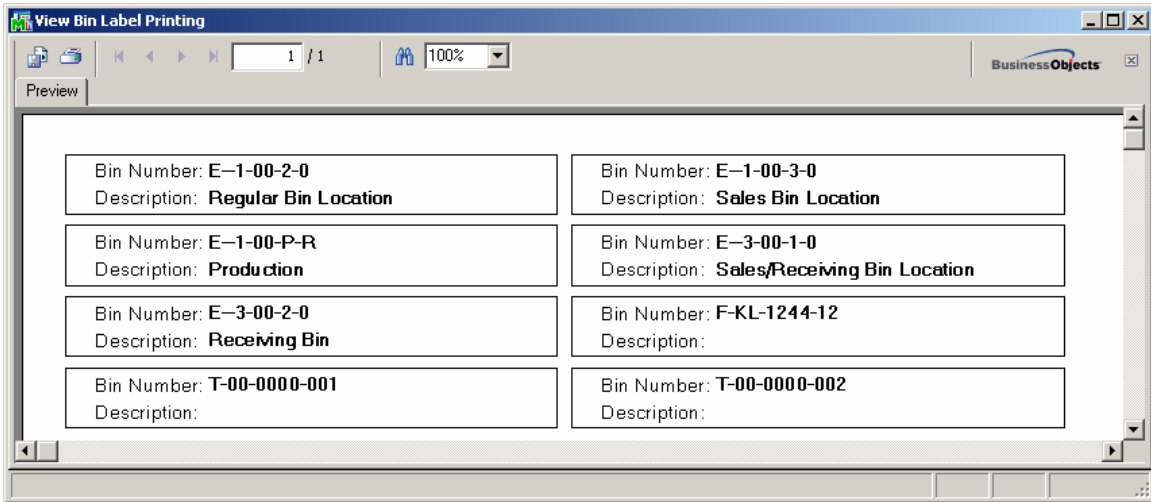
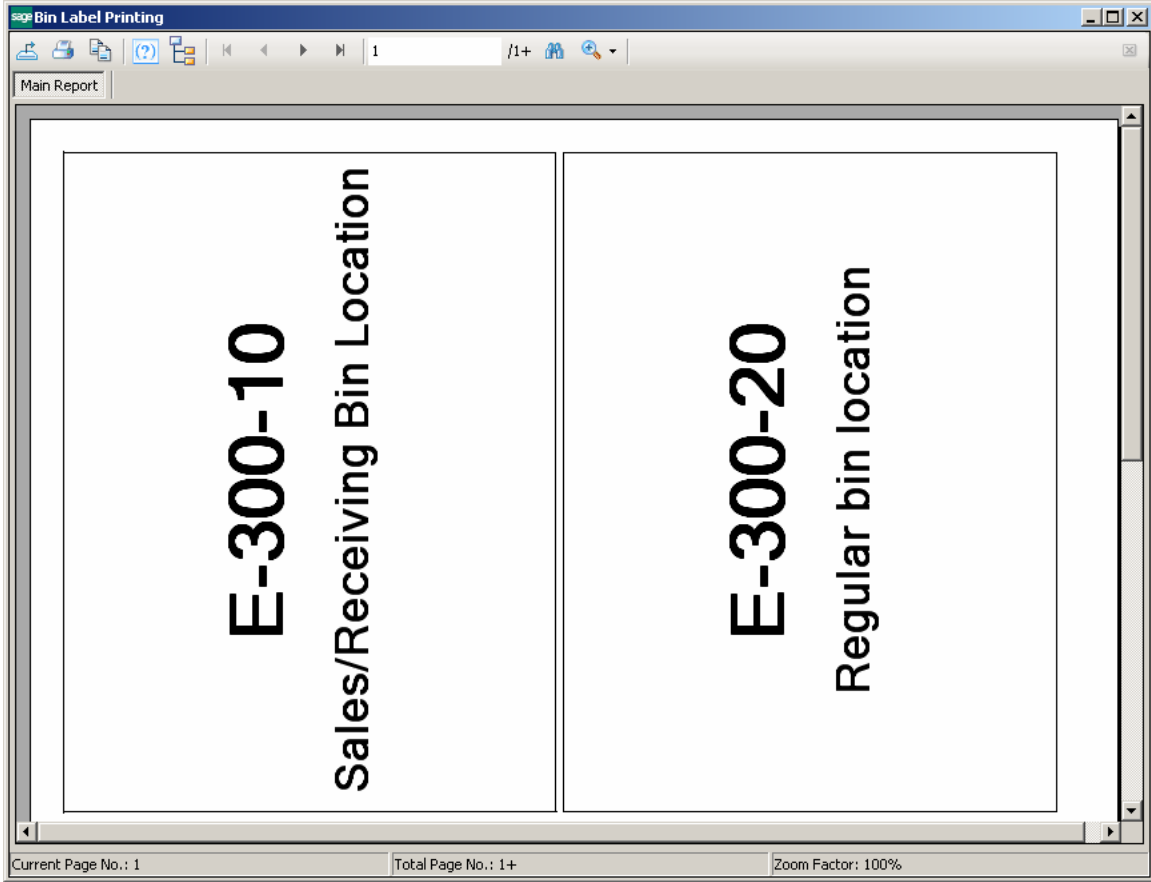
Here is an example of printout for the Form code based on the **Label Bar Code Large** form template:



Here is an example of printout for the **Bin Label Bar Code Small** form template.



And here are the printouts for **Bin Label Large** and **Bin Label Small** form templates:



Item Maintenance

The **Item Bin Distribution Detail** is accessible from the **Inventory Maintenance Main** tab (**Quantities** grid) and from the **Quantity** tab. This program is intended to allow the users tracking the Bin Distribution Detail by Item->Warehouse. Authorized users are allowed correcting Item Bin Committed Quantity if necessary.

The screenshot shows the Sage Item Maintenance (ABC) 2/6/2014 window. The window title is 'sage Item Maintenance (ABC) 2/6/2014'. The main area is divided into several sections:

- Item Code:** 2480-8-50
- Description:** DESK FILE 8" CAP 50
- Navigation:** 1. Main, 2. Additional, 3. Quantity, 4. History, 5. Transactions, 6. Orders, 7. Cost Detail
- Product Line:** FD&A FLEXIBLE DISKS & ACCESS.
- Product Type:** Finished Good
- Valuation:** Lot
- Procurement:** Buy
- Unit of Measure:** EACH
- Purchases:** CASE, No. of EACH: 100
- Sales:** EACH, No. of EACH: 1
- Price Code:** STD STANDARD QUANTITY PRIC
- Default Whse:** 000 CENTRAL WAREHOUSE
- Primary Vendor:** 01-UNITED United Computers
- Warranty Code:** (empty)
- Sales:** Retail Price: 34.950, Standard Price: 34.950, Last Sold: 5/31/2010
- Purchases:** Standard Cost: 15.750, Average Cost: 15.471, Last Receipt: 2/6/2014
- Last Costs:** Item: 15.453, Allocated: .000, Total: 15.453
- Quantities:**

Whse	Description	On Hand	On PO	On SO	On Bk Ord	Committed	Available	In Shipping	On H
000	CENTRAL ...	11,079.00	.00	.00	.00	.00	11,079.00	.00	
001	EAST WA...	1,165.00	.00	6.00	.00	6.00	1,159.00	.00	
002	WEST WA...	210.00	.00	100.00	20.00	120.00	90.00	.00	

At the bottom of the window, there are buttons for 'Accept', 'Cancel', 'Delete', and a help icon. A tooltip 'Bin Distribution Detail, Alt-T' is visible over the 'Available' column of the Quantities table.

Select a warehouse using bins and click the **Bin Distribution Detail** button (or use the ALT+T key combination).

	Bin Number	Committed	On Hand	On Hold For
1	A-100-10	3.00	2.00	None
2	A-200-50	.00	.00	None
3	A-300-20	3.00	5.00	None
4	E-300-10	5.00	992.00	None

On Hand Qty Total: 999.00
Committed Qty Total: 11.00

For the users assigned to a Role with **Allow Editing Quantity Committed by Bin** and **Allow Editing Quantity On Hand by Bin** security events enabled in the Role Maintenance, the **Committed** and **On Hand** fields are open for editing.

Role: ADMIN
Description: Admin

1. Tasks | 2. Security Events | 3. Module Options | 4. SData Security | 5. ODBC Security

- General Ledger
- Inventory Management
 - Allow Access to Private Batches
 - Allow Automatic Display of Full Extended Item Description When Not in a Grid
 - Allow Defaulting of Quantity on Hand to Quantity Counted in Physical Count E...
 - Allow Editing Quantity Committed by Bin
 - Allow Editing Quantity On Hand by Bin
 - Allow Inactive Items During I/M Transaction Entry
 - Allow Printing of Quantity on Hand on Physical Count Worksheet
 - Allow Purging of Item Audit
 - Allow Updating of Registers from Preview
 - Fix Bin Quantity Committed

Buttons: Accept, Cancel, Delete, Print, Help


	Bin Number	Committed	On Hand	On Hold For
1	A-100-10	3.00	2.00	None
2	A-200-50	.00	.00	None
3	A-300-20	3.00	5.00	None
4	E-300-10	5.00	992.00	None

Remaining On Hand Qty Balance On Hand Qty Total
Committed Qty Total

Accept Cancel

The user may change the Quantity Committed and adjust the quantity On Hand so that to have the Qty On hand balanced.

The  button allows for balancing the Remaining On Hand Qty.

The  button allows for opening the Warehouse Bin Code list and add a bin from the list.

SAP Item Bin Distribution Detail

Warehouse Code: 001 EAST WAREHOUSE
 Item Code: 1001-HON-H252 HON 2 DRAWER LETTER FLE W/O LK

	Bin Number	Committed	On Hand	On Hold For
1	A-100-10	3.00	2.00	None
2	A-200-50	.00	.00	None
3	A-300-20	3.00	5.00	None
4	E-300-10	5.00	990.00	None

Remaining On Hand Qty Balance: 2.00
 On Hand Qty Total: 997.00
 Committed Qty Total: 11.00

Buttons: Accept, Cancel

Select a bin with 0 quantities and press the Balance button.
 The Remaining On Hand Qty Balance (2) is automatically set on the selected Bin.

SAP Item Bin Distribution Detail

Warehouse Code: 001 EAST WAREHOUSE
 Item Code: 1001-HON-H252 HON 2 DRAWER LETTER FLE W/O LK

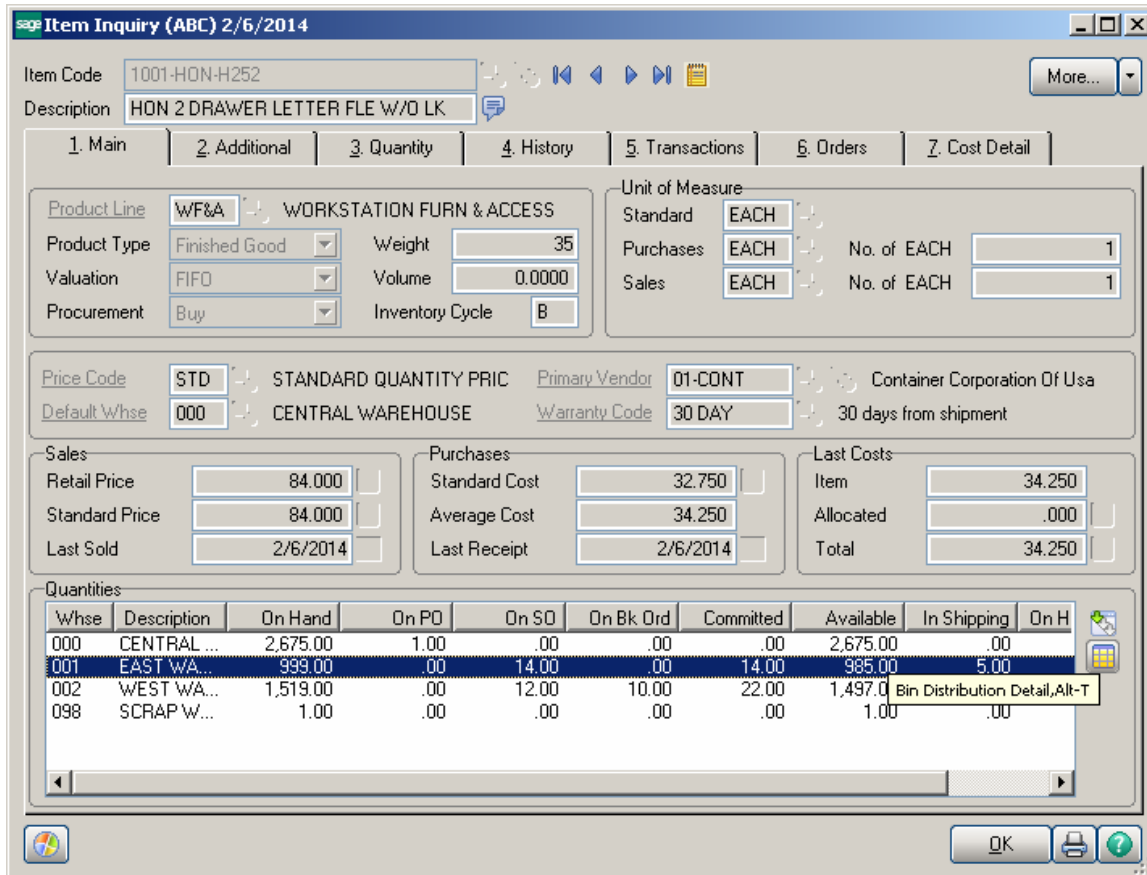
	Bin Number	Committed	On Hand	On Hold For
1	A-100-10	3.00	2.00	None
2	A-200-50	.00	2.00	None
3	A-300-20	3.00	5.00	None
4	E-300-10	5.00	990.00	None

Remaining On Hand Qty Balance: .00
 On Hand Qty Total: 999.00
 Committed Qty Total: 11.00

Buttons: Accept, Cancel

Item Inquiry

The **Item Bin Distribution Detail** can be viewed from the Inventory Inquiry program under Inventory Management Main menu.



Select a warehouse line and click the **Bin Distribution Detail** button to display the **Item Bin Distribution Detail** screen.

SAP Item Bin Distribution Detail

Warehouse Code: 001 EAST WAREHOUSE
 Item Code: 1001-HON-H252 HON 2 DRAWER LETTER FILE W/O LK

	Bin Number	Committed	On Hand	On Hold For	
1	A-100-10	3.00	2.00	None	
2	A-200-50	.00	2.00	None	
3	A-300-20	3.00	5.00	None	
4	E-300-10	5.00	990.00	None	

On Hand Qty Total: 999.00
 Committed Qty Total: 11.00

OK

The **Item Bin Distribution Details** screen looks slightly different for Lot/Serial items. For Lot/Serial items, the information is displayed by lots/serials:

SAP Item Bin Distribution Detail

Warehouse Code: 001 EAST WAREHOUSE
 Item Code: 2480-8-50 DESK FILE 8" CAP 50

	Lot/Serial No.	Bin Number	Committed	On Hand	On Hold For	
1	JAN10	C-100-10	2.00	365.00	None	
2	MAR15	A-200-50	.00	500.00	None	
3	MAR15	A-300-20	4.00	300.00	None	


On Hand Qty Total: 1,165.00
 Committed Qty Total: 6.00

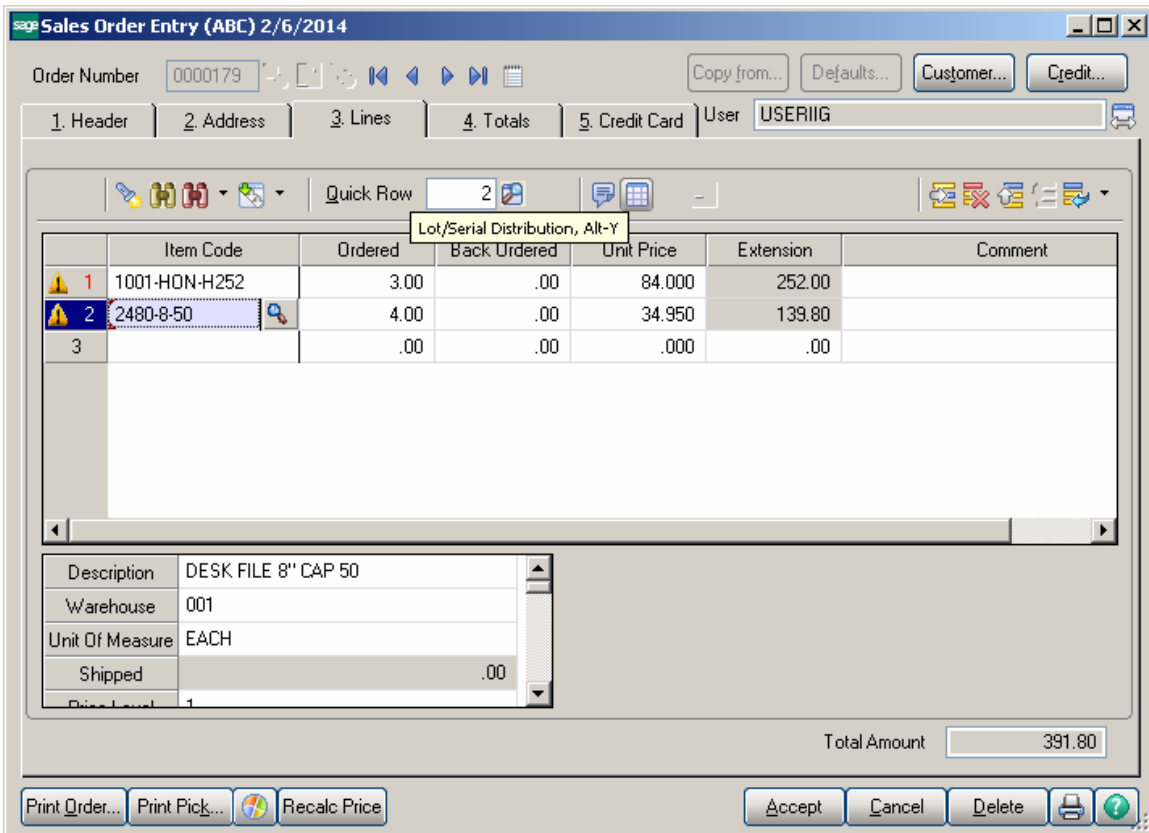
OK

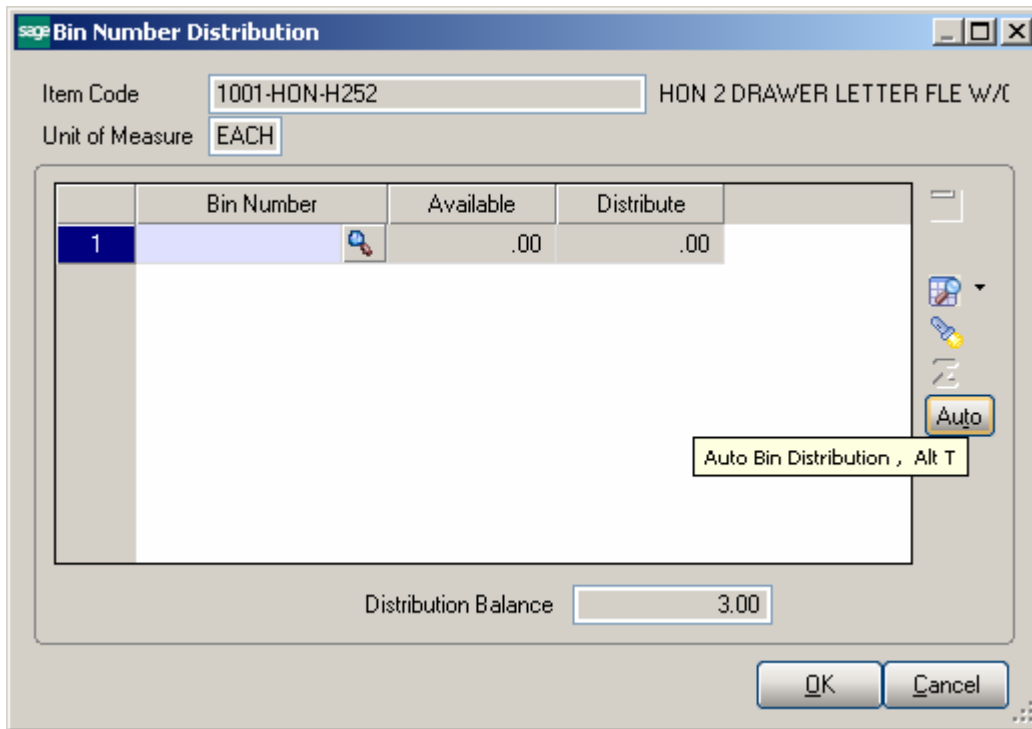
Sales Order Entry

When entering Sales Orders into the system items can be allocated from Bins and carried through on the invoice automatically.
Bin distribution may be done automatically or manually.

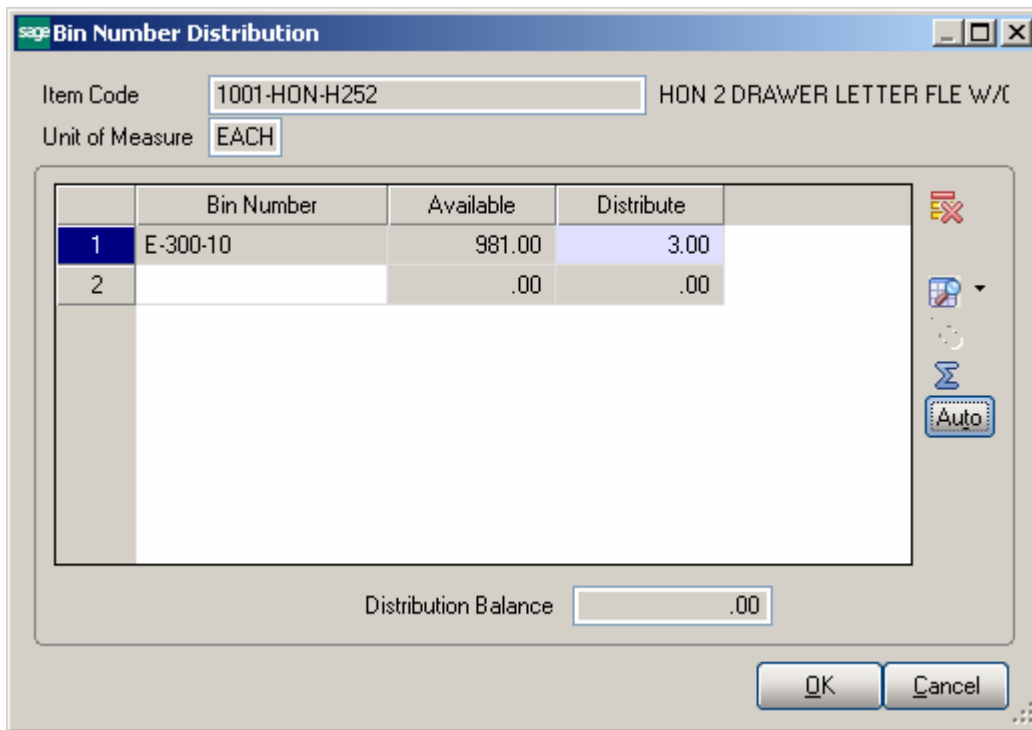
Auto distribution by bins is available if the **Sale From Bin By** option on the **Multibin Processing Options** screen is not set to None.

For manual distribution use the **Bin Distribution**  button to access the **Bin Number Distribution** screen. It can also be accessed using the keyboard shortcut Alt-Y.





Pressing the **Auto** button will automatically allocate the quantity ordered from the first bin location, which is not on Hold for Sale, and there is enough quantity to allocate.



*Note: Bin Distribution is available in the Sales Order Entry only if the **Lot/Serial Distribution in Sales Order Entry** option is enabled in the Sales Order options.*

Sometimes if a Warehouse uses Bins, there is some quantity of an item physically present in a Bin, while the Warehouse lookup displays negative quantities. In such case it is useful to be able to view the availability of the item by Bins.

In the **Lines** tab of the **Sales Order Entry** screen, select **Item**, enter **Quantity Ordered**.

SAP Sales Order Entry (ABC) 2/6/2014

Order Number: 0000179

1. Header | 2. Address | 3. Lines | 4. Totals | 5. Credit Card | User: USERIIG

	Item Code	Ordered	Back Ordered	Unit Price	Extension	Comment
1	1001-HON-H252	1,000.00	.00	75.600	75,600.00	
2	2480-8-50	4.00	.00	34.950	139.80	
3		.00	.00	.000	.00	

Quick Row: 1

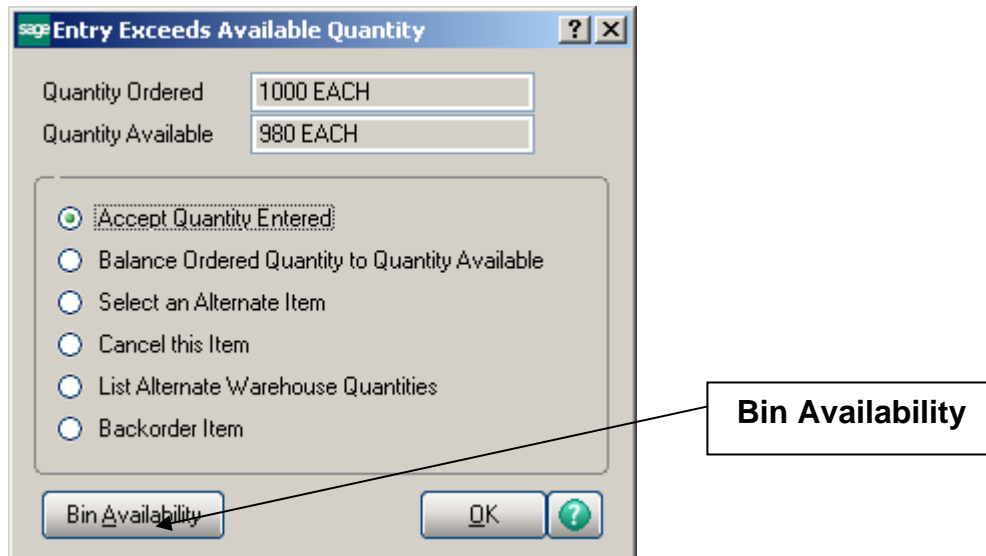
Description: HON 2 DRAWER LETTER FILE W/O LK
Warehouse: 001
Unit Of Measure: EACH
Shipped: .00

Available Quantity in this Warehouse is 980 EACH

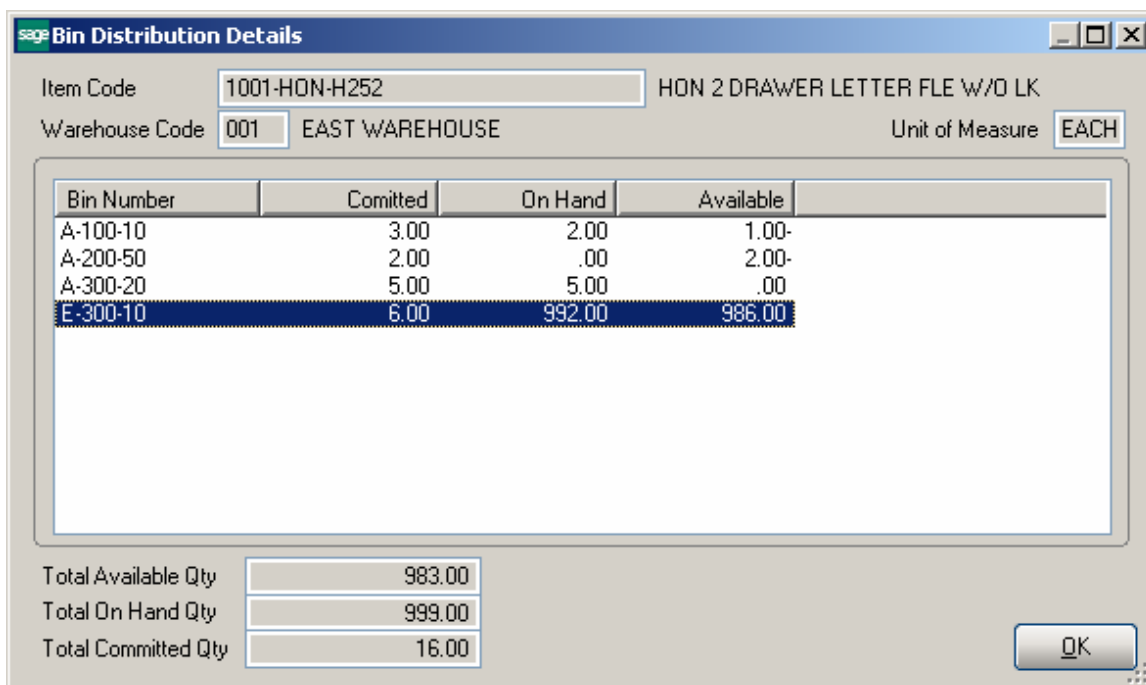
Total Amount: 75,739.80

Buttons: Print Order..., Print Pick..., Recalc Price, Accept, Cancel, Delete, Print, Help

If the **Quantity Ordered** exceeds the quantity available in the selected warehouse, the **Entry Exceeds Available Quantity** screen is displayed.



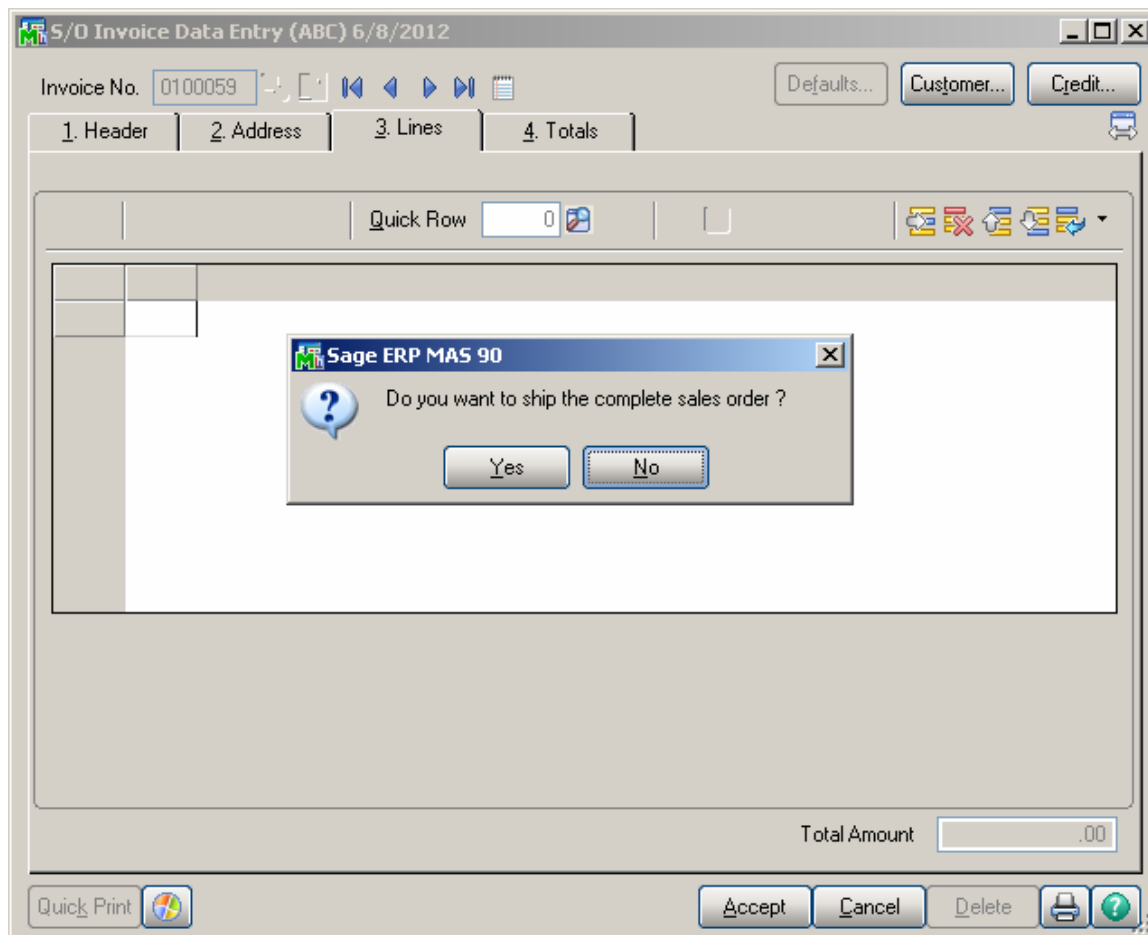
Click the Bin Availability button to display the Bin Distribution Details screen.



S/O Invoice Data Entry

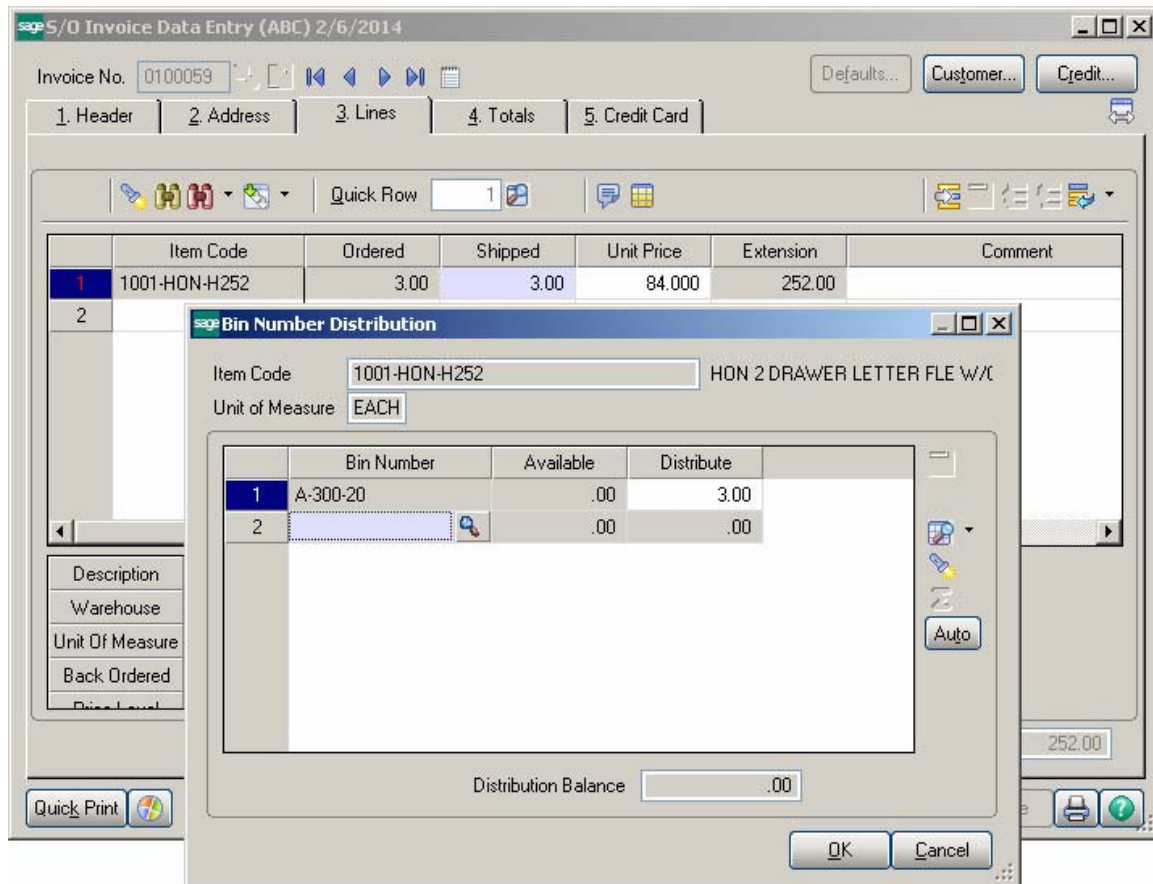
The **Invoice Data Entry** program under the **Sales Order Main** menu is modified to enable Bin Distribution.

Once all necessary information has been entered on the first two tabs, click the **Lines** tab. In case you are invoicing a Sales Order, a message appears asking whether all the quantities ordered on the sales order will be shipped or not.



Shipping the complete order (**Yes** is selected) means that all the quantities ordered will be shipped entirely, with the quantity shipped equal to the quantity "**Ordered – Back Ordered**" for **Standard** type orders and quantity **Back Ordered** for **Back Order** type orders.

In this case the Sales Order distribution is carried over from the Sales Order to Invoice.



The distribution can be reviewed and/or changed on this **Bin Number Distribution** screen.

Note that an invoice cannot be accepted with lines not fully distributed by bins.

Production Entry

Select the Production Entry program under the Bill of Materials Main menu.

The screenshot shows the Sage Production Entry (ABC) 2/6/2014 window. The window title is "sage Production Entry (ABC) 2/6/2014". The form contains the following fields and values:

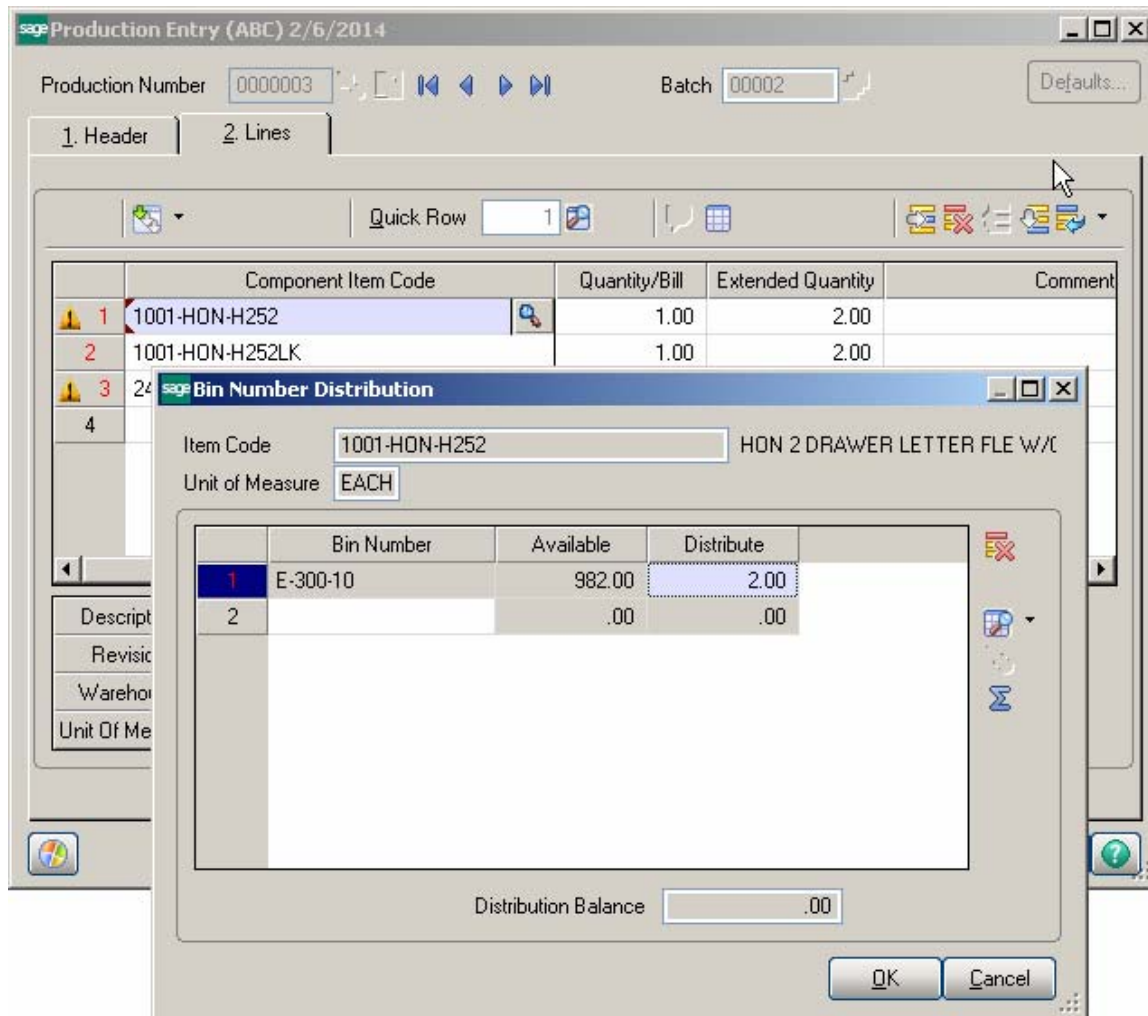
- Production Number: 0000003
- Batch: 00002
- Production Date: 2/6/2014
- Bill Number: D1400
- Bill Type: Kit
- Revision: 000
- Option Code: (empty)
- Quantity: 2.00
- Unit of Measure: EACH
- Effective Date: 2/6/2014
- Parent Warehouse: 001 EAST WAREHOUSE
- Parent Bin: E-300-10 Sales/Receiving Bin Location
- Component Warehouse: 000 CENTRAL WAREHOUSE
- Explode Sub-Assemblies:

The "Lines" tab is selected, and a yellow exclamation point is visible next to the line number. Buttons for "Accept", "Cancel", "Delete", and a help icon are at the bottom.

In the **Parent Bin** field, enter the Bin in the Parent Warehouse to distribute the finished production to.

In the **Lines** tab, a yellow exclamation point appears next to the line number indicating the line item must be distributed by bins if the line warehouse has bins.

The **Bin Number Distribution** screen is automatically opened when the line Quantity is changed.



If the selected line item is a Lot/Serial item, the **Lot/Serial No.- Distribution Entry** screen is displayed first. After distributing the quantity to a lot/serial, the **Bin Distribution Entry** screen is displayed. The **Bin Distribution Entry** screen can be opened manually for the selected Lot Number. Click the **Bin Distribution** button.

The screenshot shows the Sage Production Entry (ABC) 2/6/2014 interface. The main window displays a production header with Production Number 0000003 and Batch 00002. Below the header is a table with 4 rows. Row 3 is highlighted, showing Component Item Code 2480-8-50, Quantity/Bill 2.00, and Extended Quantity 4.00. A 'Lot/Serial Number Distribution' dialog box is open over row 3. The dialog shows Item Code 2480-8-50 (DESK FILE 8" CAP 50) and Unit of Measure EACH. It contains a table with the following data:

	Lot Number	Available	Distribute
1	JAN10	352.00	2.00
2	MAR15	794.00	2.00
3		.00	.00

The 'Distribute' column for row 2 is highlighted. A tooltip 'Bin Distribution, Alt-J' is shown over the 'Distribute' column. At the bottom of the dialog, the 'Distribution Balance' is 2.00. The dialog has OK, Cancel, and a help icon buttons.

The screenshot shows a window titled "sage Bin Number Distribution". At the top, there are input fields for "Item Code" (2480-8-50), "Unit of Measure" (EACH), and "Lot/Serial No" (MAR15). To the right of the Item Code field, the text "DESK FILE 8" CAP 50" is displayed. Below these fields is a table with the following data:

	Bin Number	Available	Distribute
1	A-200-50	498.00	2.00
2	A-300-20	296.00	.00
3		.00	.00

Below the table, there is a "Distribution Balance" field with the value ".00". At the bottom right, there are "OK" and "Cancel" buttons. On the right side of the table, there are several icons: a red 'X', a magnifying glass, a refresh symbol, and a sum symbol.

The **Item Code**, **Unit of Measure** and **Lot/Serial Number** are displayed in the Bin Distribution screen.

Disassembly Entry

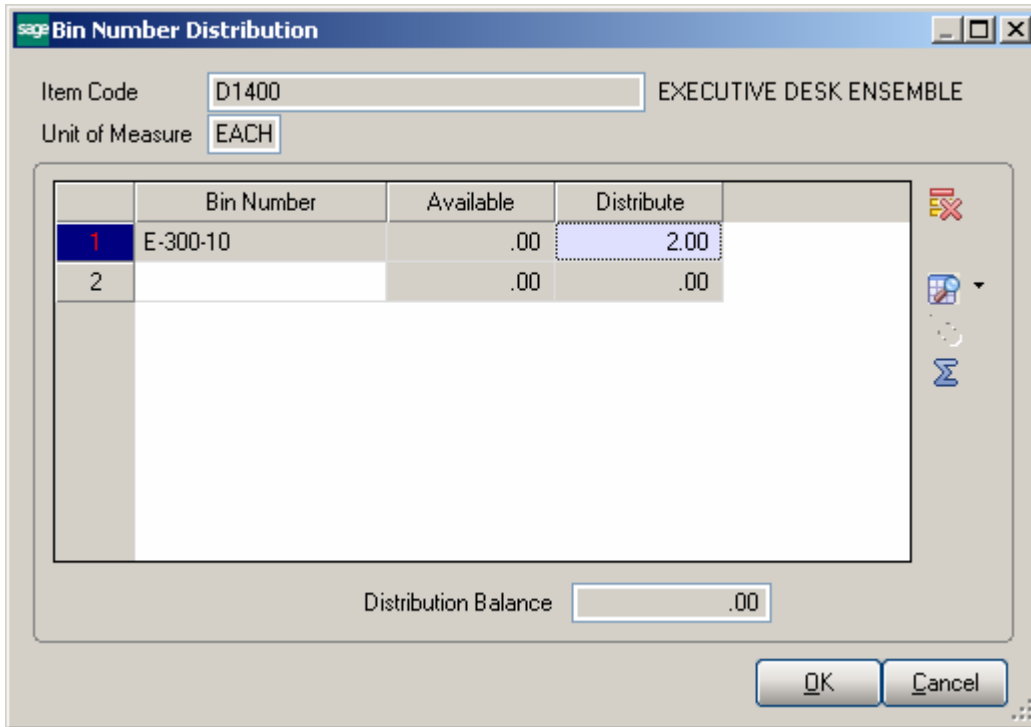
Select the Disassembly Entry program under the Bill of Materials Main menu.

The screenshot shows the Sage Disassembly Entry (ABC) 2/6/2014 window. The window title bar includes the Sage logo and the text "Disassembly Entry (ABC) 2/6/2014". The main area contains several sections of data entry fields:

- Disassembly Number:** 0000002
- Disassembly Date:** 2/6/2014
- Bill Number:** D1400
- Bill Type:** Kit
- Revision:** 000
- Option Code:** (empty)
- Quantity:** 2.00
- Unit of Measure:** EACH
- Effective Date:** 2/6/2014
- Parent Warehouse:** 001
- Component Warehouse:** 000
- Disassembly Type:** Produced Item
- Explode Sub-Assemblies:** (unchecked)

The "Distribute..." button is circled in blue. At the bottom of the window, there are buttons for "Accept", "Cancel", "Delete", a printer icon, and a help icon.

Click the **Distribute** button to distribute the entered quantity from bins.



On the **Lines** tab, the **Bin Number Distribution** screen works similar to everywhere else.

sage Disassembly Entry (ABC) 2/6/2014

Disassembly Number 0000002 Defaults...

1. Header 2. Lines

Quick Row 1

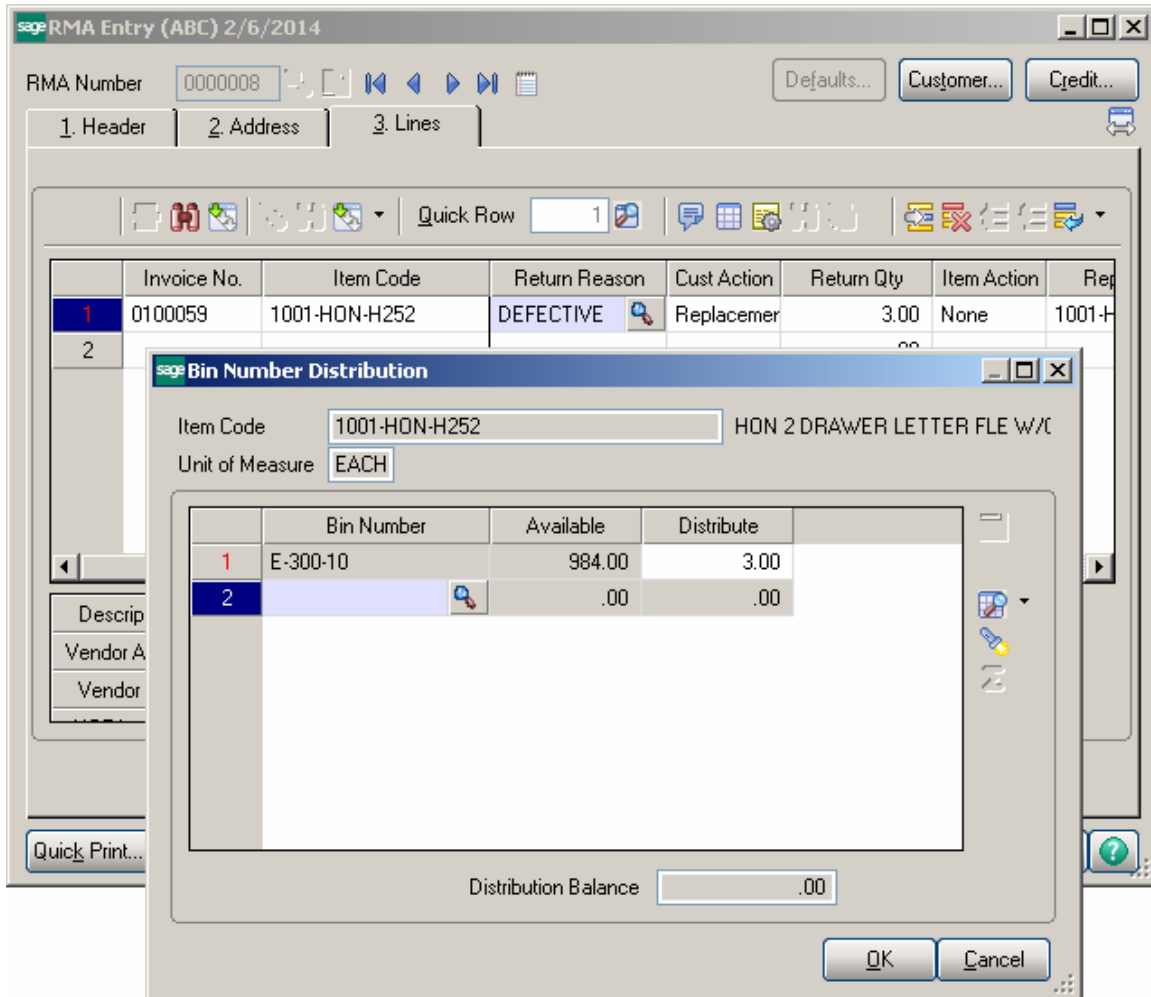
	Component Item Code	Quantity/Bill	Extended Quantity	Comment
1	1001-HON-H252	1.00	2.00	
2	1001-HON-H252LK	1.00	2.00	
3	2480-8-50	2.00	4.00	
4		.00	.00	

Description	HON 2 DRAWER LETTER FLE W/O LK
Revision	
Warehouse	001
Unit Of Measure	EACH

Accept Cancel Delete

Return Merchandise Authorization

The **Bin Distribution Entry** screen in the **RMA Entry** and **RMA Receipt Entry** programs works similar to the entries described above.



Bin distribution in the Return Merchandise Authorization module is available only if the **Sales Order Entry Commits Inventory in Bin** box is checked in the **Multi-Bin Processing Options**.

When a Credit Memo is generated from RMA Receipt Entry, the Bin Distribution of the Receipt is transferred to the Credit Memo.

Bin Status Report

The **Bin Status Report** program added under the **Reports** Menu of the **Inventory Management** module enables printing the **Bin Status Report**.

Report Setting: STANDARD

Description: Bin Status Report

Setting Options:

- Type: Public
- Print Report Settings:
- Number of Copies: 1
- Default Report:
- Three Hole Punch:
- Collated:

Options:

- Print Negative Only:

Selections:

Select Field	Operand	Value
Warehouse	All	
Bin Number	All	
Item Code	All	

Adobe PDF

Keep Window Open After

Print Preview

Print Preview Setup

The **Bin Status Report** can be filtered based on the following **Selection** criteria: Item Number, Warehouse Code and Bin Location.

Bin Status Report
ABC Distribution and Service Corp. (ABC)

Warehouse: 003 EAST WAREHOUSE

Bin Number	Item Code	Item Code Description	Unit	Quantity On Hand
E-100-20	1001-HON-H252	HON 2 DRAWER LETTER FLE W/O LK	EACH	5.00
	2480-8-50	DESK FILE 8" CAP 50 Lot No: LOT#002	EACH	1,000.00
E-300-10	1001-HON-H252	HON 2 DRAWER LETTER FLE W/O LK	EACH	0.00
	2480-8-50	DESK FILE 8" CAP 50 Lot No: LOT#001 Lot No: LOT#002	EACH	300.00
E-300-20	1001-HON-H252	HON 2 DRAWER LETTER FLE W/O LK	EACH	5.00
	2480-8-50	DESK FILE 8" CAP 50 Lot No: LOT#001	EACH	1,000.00

If the **Print Negative Only** check box is selected, only the Items with negative Quantity On Hand will be printed.

Bin Status Report
ABC Distribution and Service Corp. (ABC)

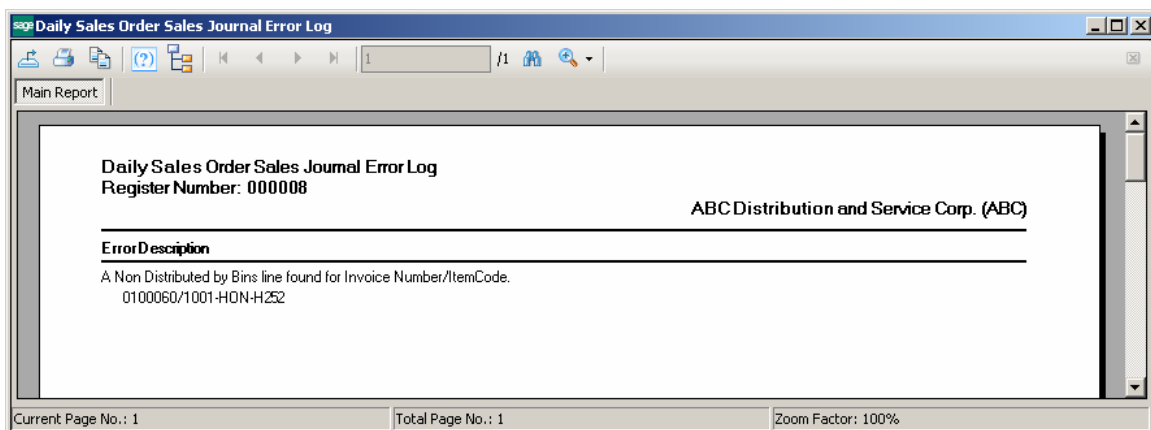
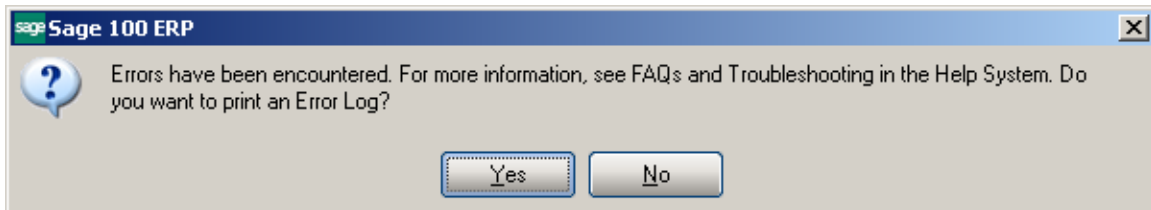
Warehouse: 001 EAST WAREHOUSE

Bin Number	Item Code	Item Code Description	Unit	Quantity On Hand
A-100-10	1001-HON-H252	HON 2DRAWER LETTER FLE W/O LK	EACH	2.00
A-200-50	1001-HON-H252	HON 2DRAWER LETTER FLE W/O LK	EACH	0.00
	2480-8-50	DESK FILE 8" CAP 50 Lot No: MAR15	EACH	498.00
A-300-20	1001-HON-H252	HON 2DRAWER LETTER FLE W/O LK	EACH	2.00
	2480-8-50	DESK FILE 8" CAP 50 Lot No: MAR15	EACH	298.00
B-100-10	1001-HON-H252LK	HON 2 DRAWER LETTER FLE W/LCK	EACH	8.00
C-100-10	2480-8-50	DESK FILE 8" CAP 50 Lot No: JAN10	EACH	362.00
	1001-HON-H252LK	HON 2 DRAWER LETTER FLE W/LCK	EACH	7.00
E-300-10	1001-HON-H252	HON 2DRAWER LETTER FLE W/O LK	EACH	985.00
E-300-20	1001-HON-H252LK	HON 2 DRAWER LETTER FLE W/LCK	EACH	5.00
E-300-30	1001-HON-H254	HON 4DRAWER LETTER FLE W/O LK	EACH	19.00
E-300-40	1001-HON-H254LK	HON 4 DRAWER LETTER FLE W/LCK	EACH	9.00

Current Page No.: 1 Total Page No.: 1 Zoom Factor: 100%

Daily Sales Reports/Updates

If there are Invoices with lines (from Warehouse(s) with Bins) not distributed or distributed partially then the **Daily Sales Reports/Updates** is interrupted and error log is printed while updating the Sales Journal.



Bin Transfer Entry

The **Bin Transfer Entry** program has been added under the **Inventory Management Main** menu to allow transferring items from one Bin Location to another within the same warehouse.

Use **Bin Transfer Batch Entry** to create, verify, and merge batches. Batch Entry allows also renumbering or modifying your next batch number. Batch Entry allows multiple Bin Transfer Entry sessions to take place simultaneously in the same data entry task. Each session has a unique batch number assigned automatically or manually by the user. Each Bin transfer batch can be printed and updated independently, without affecting other batches. Bin Transfer Batches can be specified as private, accessible only by the user who created them.

The transfers are not posted until the batch is printed and the user accepts the Batch Transfer Register.

The screenshot displays the Sage Bin Transfer Entry (ABC) 2/6/2014 application. The main window features a data entry grid with columns for Warehouse, Item Code, Lot/Serial No., and From Bin. A modal dialog box titled "I/M Bin Transfer Entry Batch" is open, containing fields for Batch Number, Comment, Private Batch (checkbox), Status, Entries (0), Created By, and Modified By. Buttons for Modify..., Verify, Renumber..., Merge..., Accept, Cancel, and Delete are visible. At the bottom of the main window, there are checkboxes for "Keep Warehouse", "Keep Item", and "Keep From Bin", along with Accept, Cancel, Delete, and Print buttons.

The **I/M Bin Transfer Entry Batch** screen is popup if Batch processing for **Bin Transfer Entry** is enabled in the **MBN Options**.

Enter a batch number, or click the **Next Number** button to accept the next automatically incremented batch number. Click the Lookup button to list all batch numbers.

Click **Accept** to continue.

The **Bin Transfer Entry** screen is opened. **Enter the Transfer** entry number, or click the Lookup button to list all transfer entry numbers. Click the Next Bin transfer Number button to select the next automatically incremented number available for this field.

The screenshot shows the Sage Bin Transfer Entry (ABC) 2/6/2014 window. The window title is "sage Bin Transfer Entry (ABC) 2/6/2014". The interface includes an "Entry Number" field with a search icon and a "Batch" field containing "00001". Below these is a "Next Bin Transfer Number, Alt-X" button. A "Quick Row" field is set to "0". The main area is a grid with columns: Warehouse, Item Code, Lot/Serial No., and From Bin. Below the grid is a secondary grid with fields: Description, Product Line, Product Type, and Unit Of Measure. At the bottom, there are checkboxes for "Keep Warehouse", "Keep Item", and "Keep From Bin", all of which are checked. Action buttons for "Accept", "Cancel", "Delete", and a printer icon are also present.

Select Warehouse Code and Item Number in the grid.

Upon selecting/entering Item Code the Description, Product Line, Product Type and Unit of Measure fields added in the secondary grid are populated with respective values from Item Master file. Transfers are processed only with Standard Unit of Measure.

Entry Number 0000000001 Batch 00001

Quick Row 1

Whse To Bin List, Alt-G

	Warehouse	Item Code	Lot/Serial No.	From Bin	Quantity To Transfer	To Bin
1	001	1001-HON-H252		E-300-10	10.00	A-200-50
2	001	2480-8-50	MAR15	A-200-50	25.00	D-300-10
3	002	1001-HON-H252		E-300-10	100.00	E-200-10
4					.00	

Description: HON 2 DRAWER LETTER FLE W/O LK
 Product Line: WF&A
 Product Type: F
 Unit Of Measure: EACH

Available Quantity in E-300-10 Bin is 971 EACH

Keep Warehouse Keep Item Keep From Bin

Accept Cancel Delete

The **Lot/Serial No** field is enabled for Lot/Serial Items allowing the user to select the Lot/Serial No to be transferred.

From bin-select the bin from which the quantity should be moved.


Just after From Bin is selected the Quantity available for current line item is displayed below the grid.

Quantity to Transfer- enter the quantity to be transferred.

The following message appears if the entered **Quantity To Transfer** exceeds the quantity available in current Bin (the **Allow Negative Distribution** option is not turned On):



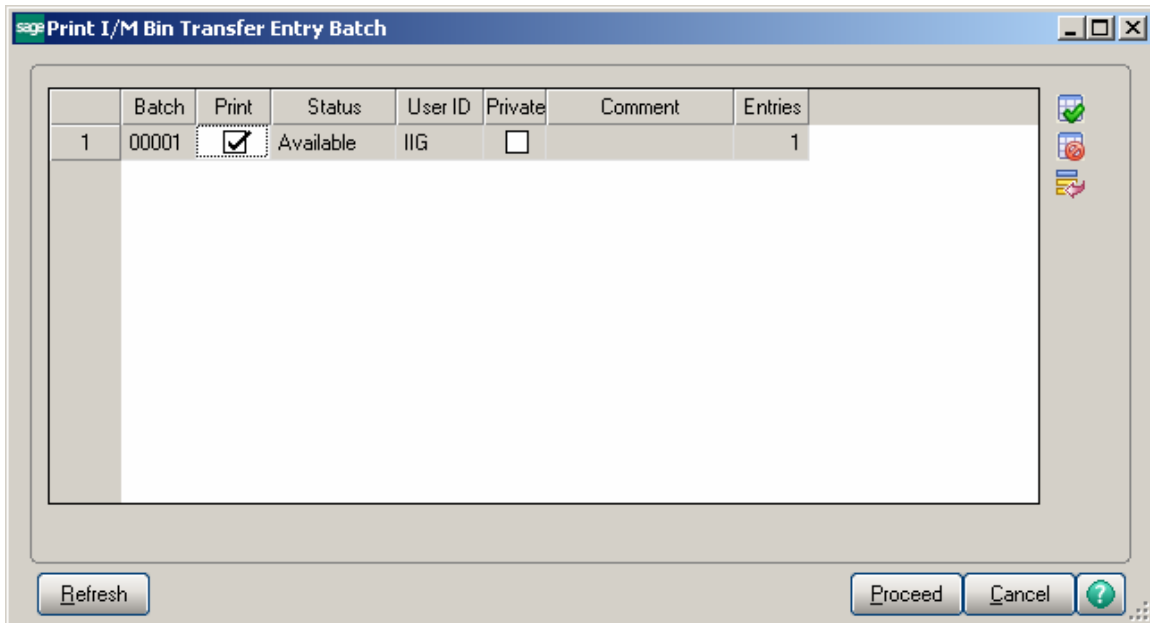
To Bin –select/enter the Bin number where the quantity should be located.

Select the lookup button on the line to list the Bins already processed. Click the Flashlight button  above the grid to list all Bin locations for current warehouse and select one from that list to transfer to.

Keep Warehouse, Keep From Bin, and Keep Item check boxes are intended for making the line entry easier. If the checkboxes are selected the previous line's Warehouse Code, Item code and From Bin values will be automatically loaded when entering a new line in current Transfer Entry.

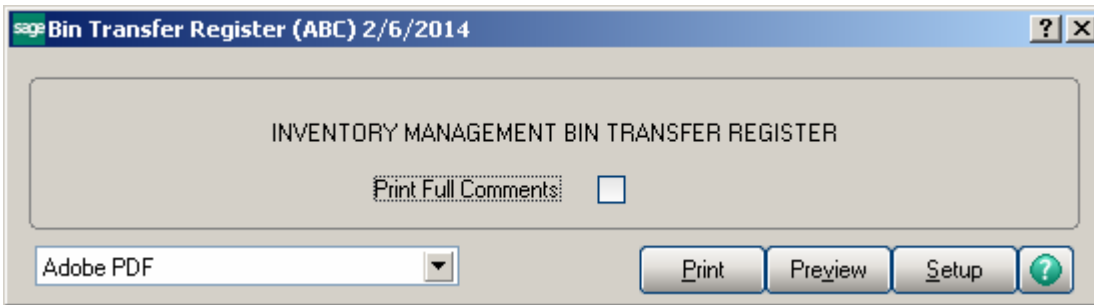
These checkboxes are selected by default.

The **Print** button allows opening the **Bin Transfer Register** program. If batch Processing is enabled for Bin Transfer the **Print I/M Bin Transfer Batch Entry** screen is opened upon pressing the **Print** button.

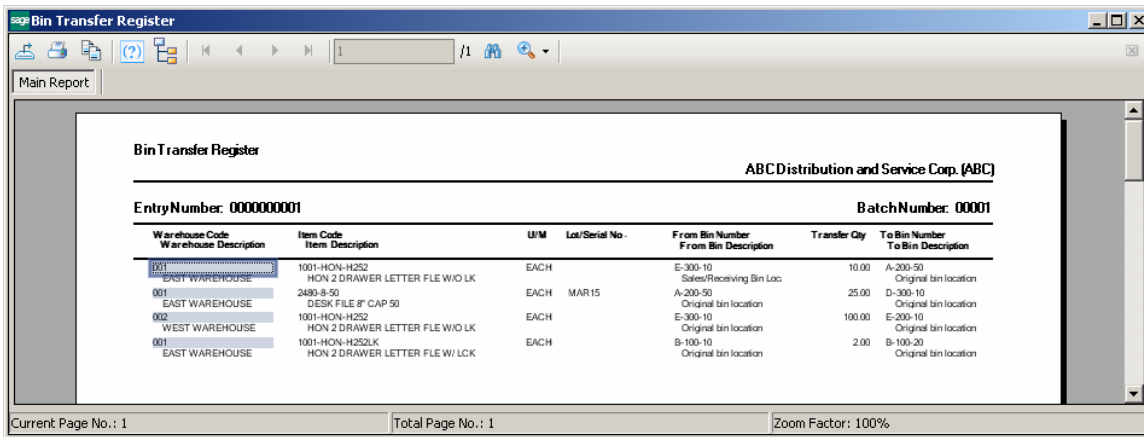


Select the Batch(es) to process and press **Proceed**.

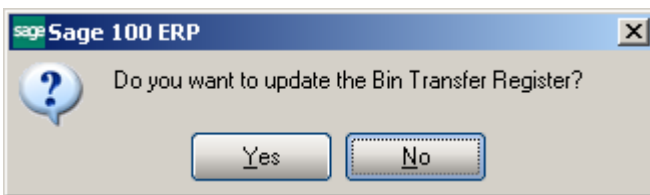
The **Bin Transfer Register** window is opened allowing the user to print/preview transfer register:



Here is an example of printout:



After closing the printout, a dialogue appears allowing the user to confirm updating the **Bin Transfer Register**.



Upon selecting Yes the Items are transferred to respective bin locations.

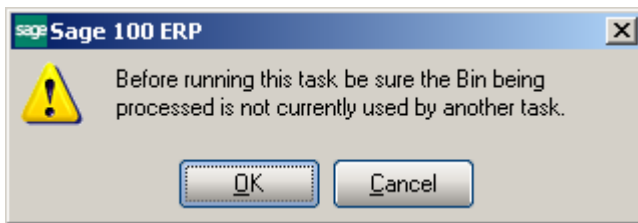
The **Bin Transfer Register** program may be run also from the **Inventory Management Main** menu.

Bin Committed Quantity

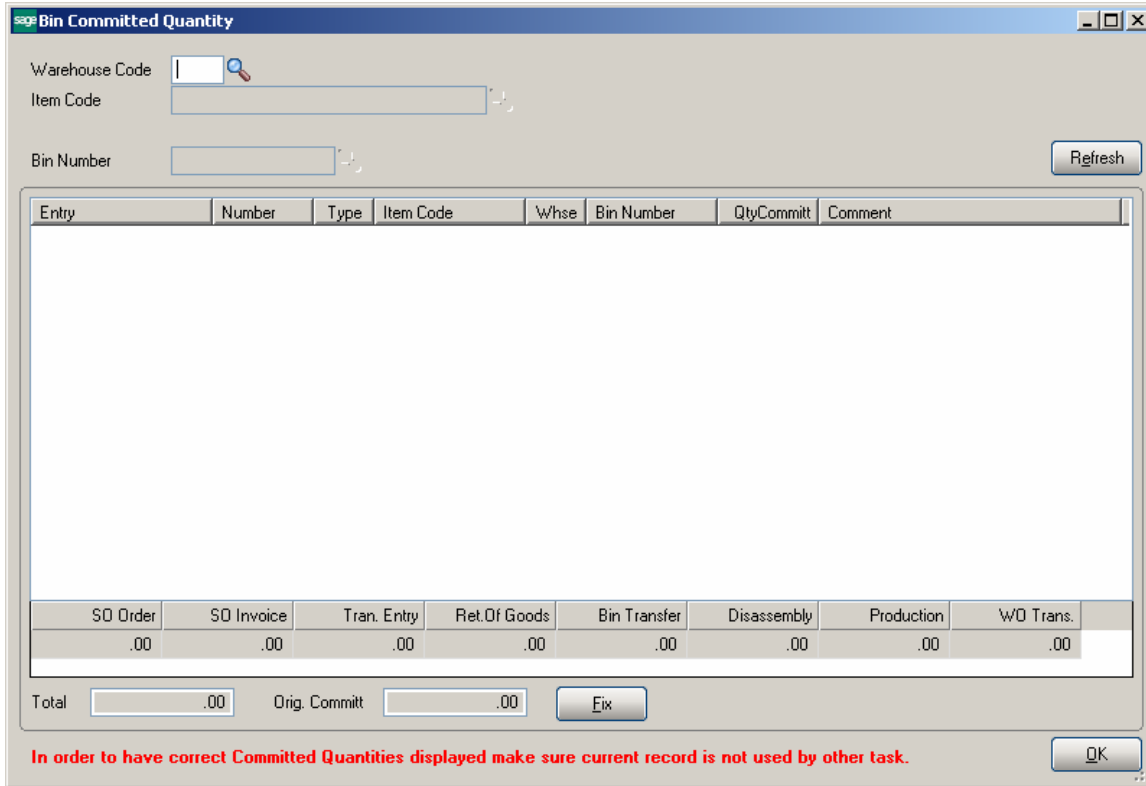
The **Bin Committed Quantity** program added to the **Inventory Management Main** Menu is intended for displaying the entries where there are quantities committed for the selected Item in the specified Warehouse/Bin location. The program shows the quantities committed from the following entries:

- Sales Order Entry
- SO Invoice Data Entry
- I/M Transaction Entry
- Return Of Goods Entry
- Bin Transfer Entry
- Disassembly Entry
- Production Entry
- WO Transaction Entry

The following warning message appears upon running the Bin Committed Quantity program to prompt the user about closing any task that may be using bins, in order to have the quantity committed displayed accurately.



Press Ok to open the **Bin Committed Quantity** screen.



Warehouse Code

Item Code

Bin Number Refresh

Entry	Number	Type	Item Code	Whse	Bin Number	QtyCommitt	Comment
SO Order	SO Invoice	Tran. Entry	Ret.Of Goods	Bin Transfer	Disassembly	Production	W/D Trans.
.00	.00	.00	.00	.00	.00	.00	.00

Total .00 Orig. Committ .00 Exit

In order to have correct Committed Quantities displayed make sure current record is not used by other task. OK

Select the **Warehouse Code**, **Item Number** and **Bin**. The grid is loaded with the lines having quantities committed in the above stated entries.

sage Bin Committed Quantity

Warehouse Code: 001 EAST WAREHOUSE
 Item Code: 1001-HON-H252 HON 2 DRAWER LETTER FILE W/O LK
 Bin Number: E-300-10 Sales/Receiving Bin Location Refresh

Entry	Number	Type	Item Code	Whse	Bin Number	QtyCommitt	Comment
I/M Bin Transfer	000000002		1001-HON-H252	001	E-300-10	10.00	
I/M Transaction	00000002	T	1001-HON-H252	001	E-300-10	2.00	
S/O Order	0000179	S	1001-HON-H252	001	E-300-10	1.00	
S/O Order	0000180	S	1001-HON-H252	001	E-300-10	2.00	
S/O Invoice	0100060	IN	1001-HON-H252	001	E-300-10	3.00	

SO Order	SO Invoice	Tran. Entry	Ret.Of Goods	Bin Transfer	Disassembly	Production
3.00	3.00	2.00	.00	10.00	.00	.00

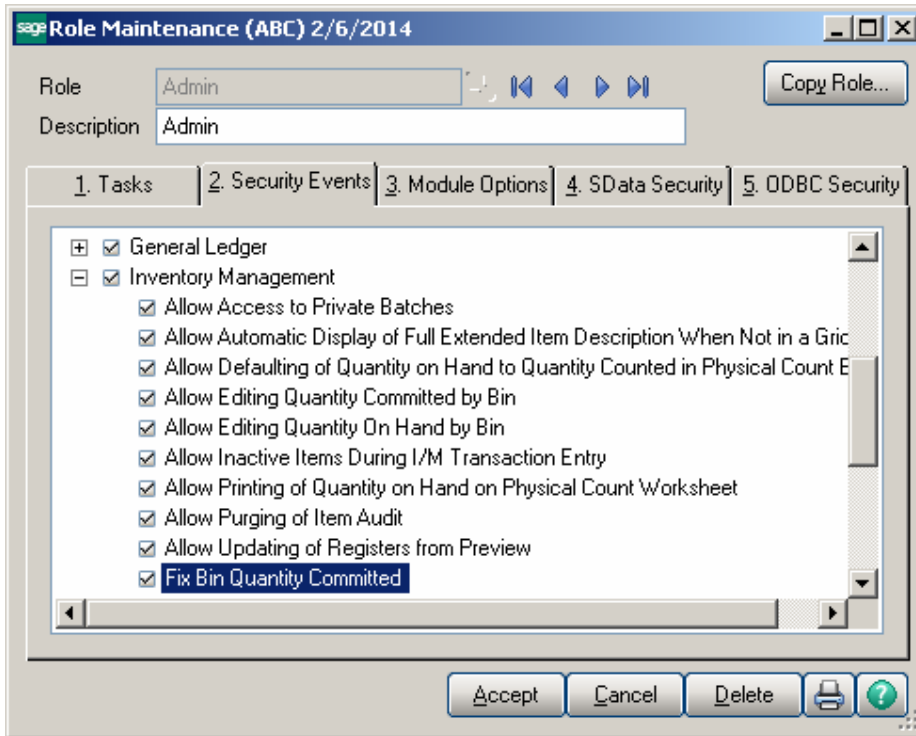
Total: 18.00 Orig. Commit: 16.00 Fix

Fix Quantity Committed,Alt-F

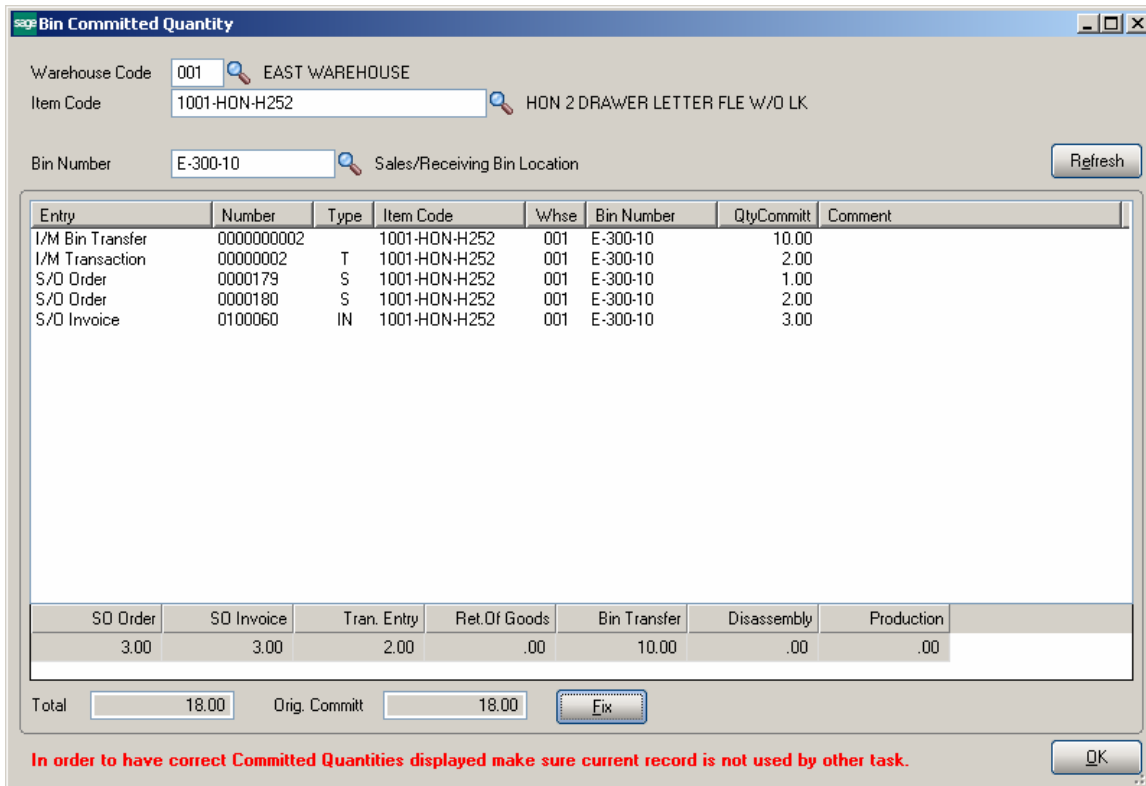
In order to have correct Committed Quantities displayed make sure current record is not used by other task.

OK

Total – this field indicates the quantities committed from the above stated entries.
Orig. Commit- displays the actual quantity committed (from the “IM068_MBNItemBinDistribution.M4T” table).
Fix – this button allows correcting the quantity committed for that item and bin if the **Total** committed quantity does not match the **Orig. Committed** quantity. This button is available only if the **Fix Bin Quantity Committed** security event is enabled in the Role Maintenance for the role assigned to current user.



Upon clicking the **Fix** button the **Orig. Commit** qty is corrected based on the **Total** quantity.

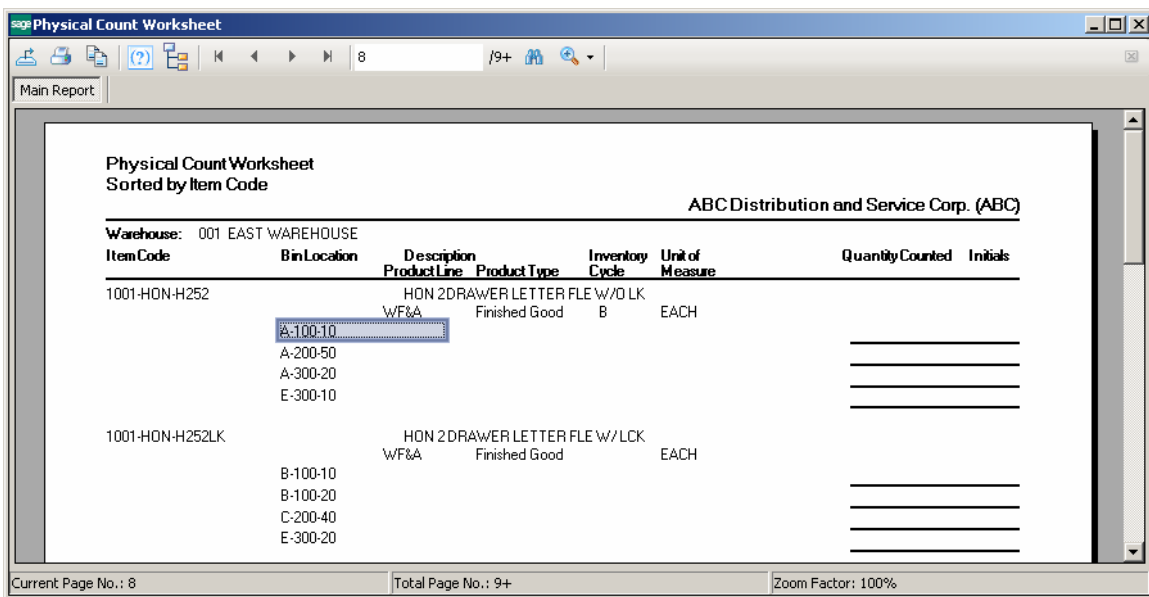


Physical Count

Physical Count Worksheet

The **Physical Count Worksheet** has been modified to allow processing warehouses using bin along with the warehouses not using bins. The user can select all bin locations within the warehouse code (marked as **Use Bins**) for an Item.

The **Physical Count Worksheet** has been modified to allow processing multiple Bin Locations.



When Physical Count worksheet is run for Items already frozen, the Qty On Hand field in the Physical Count Entry is recalculated.

Physical Count Entry

The **Physical Count Entry** has been modified to enable inventory count by bins for warehouses using bins.

In Physical Count Entry, select the warehouse to enter counts for.

Physical Count Entry (ABC) 2/6/2014

Warehouse: 001
Description: EAST WAREHOUSE

1. Header | 2. Lines

Sort Lines By: Item Code

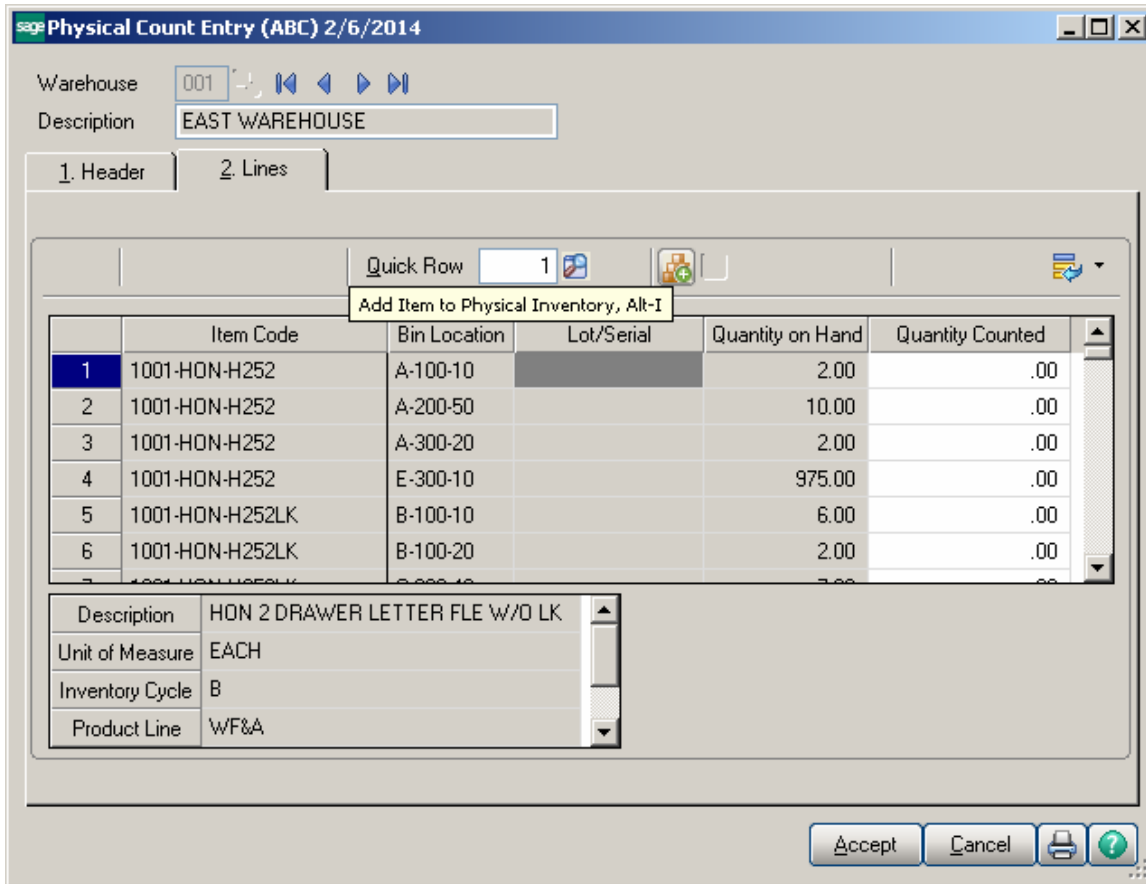
Product Types:
All Types Finished Goods Raw Materials Discontinued Kits

Procurement Types:
All Types Make Buy Subcontract

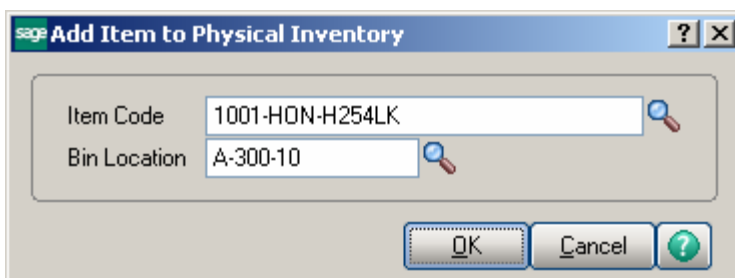
Selections:

Select Field	Operand	Value		
Item Code	All			
Bin Location	All			
Item Description	All			
Inventory Cycle	All			
Product Line	All			

Accept Cancel Print Help



Use **Add Item to Physical Inventory** to enter physical count data for an item that was not frozen in Physical Count Worksheet or entered in Physical Count Entry. Enter the Item Code and select the Bin **Location** from the **I/M Whse/Bin Code** file lookup list:



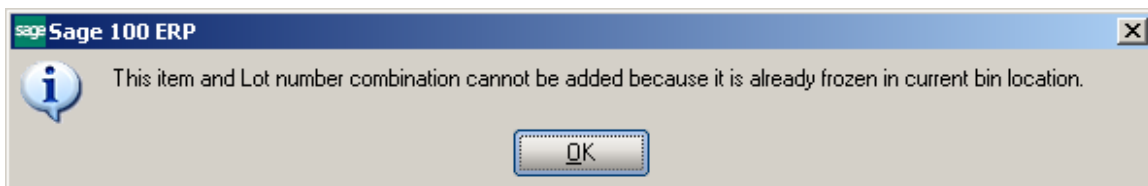
The following message appears if there is already a record with selected Item Code-> Bin Code in the lines grid:



Use **Add New Lot or Serial Number** button to add a new lot or serial number to the bin, and enter the quantity counted for the item in that bin:

A screenshot of the "Add New Lot Number" dialog box in Sage 100 ERP. The title bar reads "Add New Lot Number". The dialog contains four input fields: "Item Code" with the value "2480-8-50", "Bin Location" with the value "C-100-10", "Lot Number" with the value "JAN2014", and "Quantity Counted" with the value "5.00" and a calendar icon. At the bottom, there are "OK", "Cancel", and a help icon button.

Upon entering the Lot Number the following message appears if a record with the entered Item Code > Lot Number is found for current bin in the lines grid:



With this enhancement to Physical Count Entry, an item can be entered more than once with multiple bin locations.

Physical Count Variance Register

The **Physical Count Variance Register** report has been modified to include the bin details.

Physical Count Variance Register
 Journal Posting Date: 2/6/2014
 Register Number: IP-000001
 Sorted by Item Code

ABC Distribution and Service Corp. (ABC)

Warehouse: 001 EAST WAREHOUSE

Item Code	Bin Location	Description	Unit of Measure	Quantity On Hand	Quantity Counted	Over/Short	Unit Cost	Variance Amount
1001-HON-H252		HON 2 DRAWER LETTER FLE W/O LK	EACH	2.00	0.00	2.00 -	34.250	68.50 -
	A-100-10			2.00	0.00	2.00 -		68.50 -
	A-200-50			10.00	0.00	10.00 -	34.250	342.50 -
				10.00	0.00	10.00 -		342.50 -
	A-300-20			2.00	0.00	2.00 -	34.250	68.50 -
				2.00	0.00	2.00 -		68.50 -
	E-300-10			975.00	0.00	975.00 -	34.250	33,393.75 -
				975.00	0.00	975.00 -		33,393.75 -
				989.00	0.00	989.00 -		33,873.25 -
				989.00	0.00	989.00 -		33,873.25 -
1001-HON-H252LK		HON 2 DRAWER LETTER FLE W/ LCK	EACH	6.00	0.00	6.00 -	37.150	222.90 -
	B-100-10			6.00	0.00	6.00 -		222.90 -
	B-100-20			2.00	0.00	2.00 -	37.150	74.30 -
				2.00	0.00	2.00 -		74.30 -

Current Page No.: 5 Total Page No.: 5+ Zoom Factor: 100%

During the update process, the quantity-on-hand fields in the Item Warehouse Detail and Inventory Item Bin Distribution files are updated to the physical count quantities.

Work Order

Multibin Processing is not provided for W/O Module but the W/O Update program has been modified to pick/drop quantities from/to bins as follows:

- Use the "Bin Location" specified for each item/warehouse in the "Reorder Maintenance" screen opened from "Inventory Maintenance".
- If there is no "Bin Location" for current warehouse selected in the "Reorder Maintenance" screen, the "Receiving Bin No." (specified in the Warehouse Code Maintenance) is used.
- If there is not a Receiving Bin specified in the Warehouse Code Maintenance a Bin named "DEFAULTBIN" is created and used for pick/drop quantities.

Traveler Bin Processing

Traveler Bin processing provides an ability to group items within bins that are mobile, or "traveling" bins. These bins may be, for example, a server chassis containing a number of items, or a bin tote containing 100 CPU chips that are moved as a group. These traveler bins are stored in and transferred between the fixed bins that are the physical locations within the warehouse.

Traveler Bin Maintenance

The **Traveler Bin Maintenance** has been added under the **Inventory Management Main** menu to allow setup of traveler bins with Items grouped in.

Traveler Bin Maintenance (ABC) 3/28/2014

Warehouse Code

Bin Number

Bin Description

1. Header | 2. Items | 3. Bins

Traveler Bin Type

Located In Bin Move

Alternate ID Number

Priority Code

Print Label... Transfer Items Transfer Bins Accept Cancel Delete

Traveler Bins of **Tote**, **Tare** and **Container** type can be setup.

Traveler Bin Maintenance (ABC) 6/13/2014

Warehouse Code: 000 CENTRAL WAREHOUSE

Bin Number: T-00-000-0002

Bin Description:

1. Header | 2. Items | 3. Bins

Traveler Bin Type: Tote

Located In Bin: Tote

Alternate ID Number: Container

Priority Code:

Print Label... Transfer Items Transfer Bins Accept Cancel Delete

Only a Warehouse flagged as Use Bins in the Warehouse Maintenance can be selected. Pressing the **Next Traveler Bin Number** button will create new Bin Number based on the Next Traveler Bin number set in the Warehouse Code Maintenance.

Traveler Bin Type – allows for specifying the type of Traveler Bin.

Tote and **Tare** type Traveler bins can contain multiple different items. Items can be transferred in and out of a traveler bin, just as they can be transferred between non-traveler bins. Tote and Tare type Traveler Bins can be located in non-Traveler Bins and in Container type Traveler Bins.

Traveler Bin Maintenance (ABC) 6/13/2014

Warehouse Code 003 EAST WAREHOUSE

Bin Number T-00-000-0001

Bin Description

1. Header 2. Items 3. Bins

Traveler Bin Type Tare

Located In Bin T-00-000-0002 Move

Alternate ID Number 123-110

Priority Code

Print Label... Transfer Items Transfer Bins Accept Cancel Delete

Located In Bin – For Tote and Tare type traveler bins only Container Type travel bin or non Traveler Bin can be selected.

Bin Number	Description	Priority Code	On Hold
E--1-00--20	Regular Bin Location		N
E--1-00--30	Sales Bin Location		R
E--1-00--PR	Production		B
E--3-00--10	Sales/Receiving Bin Location	1	N
E--3-00--20	Receiving Bin		S
F-KL-124-412	Forklift Bin 1244-12		N
T-00-000-0001			N
T-00-000-0002			N

Search Bin Number Begins with Find

Filters...

Custom...

Select Cancel

Found 8 records

Alternate ID Number – is a unique ID, which is assigned to a traveler Bin. This is not a required field.

Priority Code - is the Bin priority used while distributing by bins.

The **Move** button allows for transferring the selected traveler Bin from current Located In Bin to a new Bin location.

Move To Location

From Bin T-00-000-0002

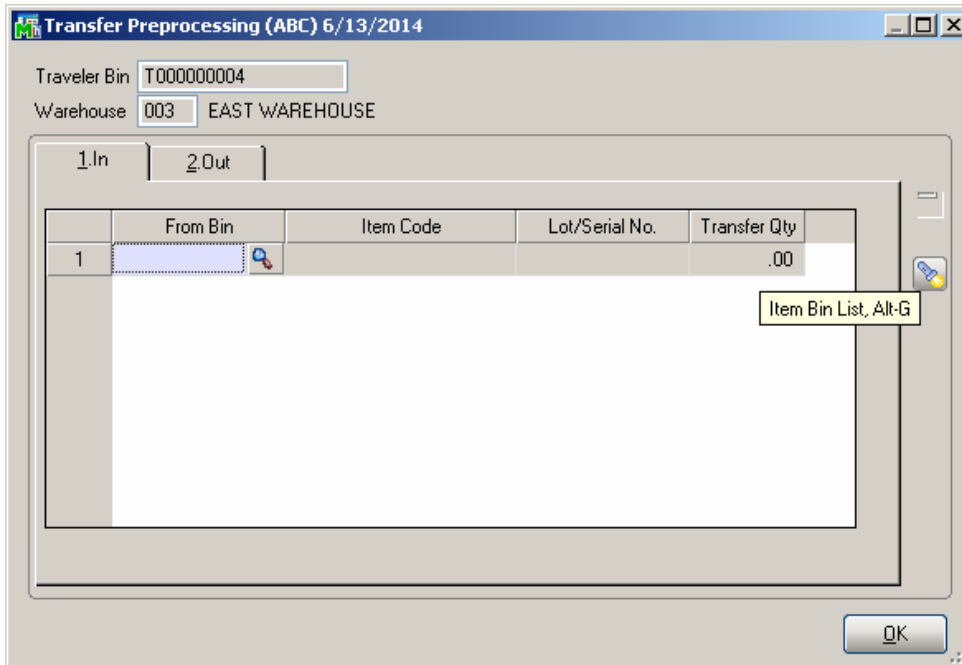
To Bin

Move Cancel

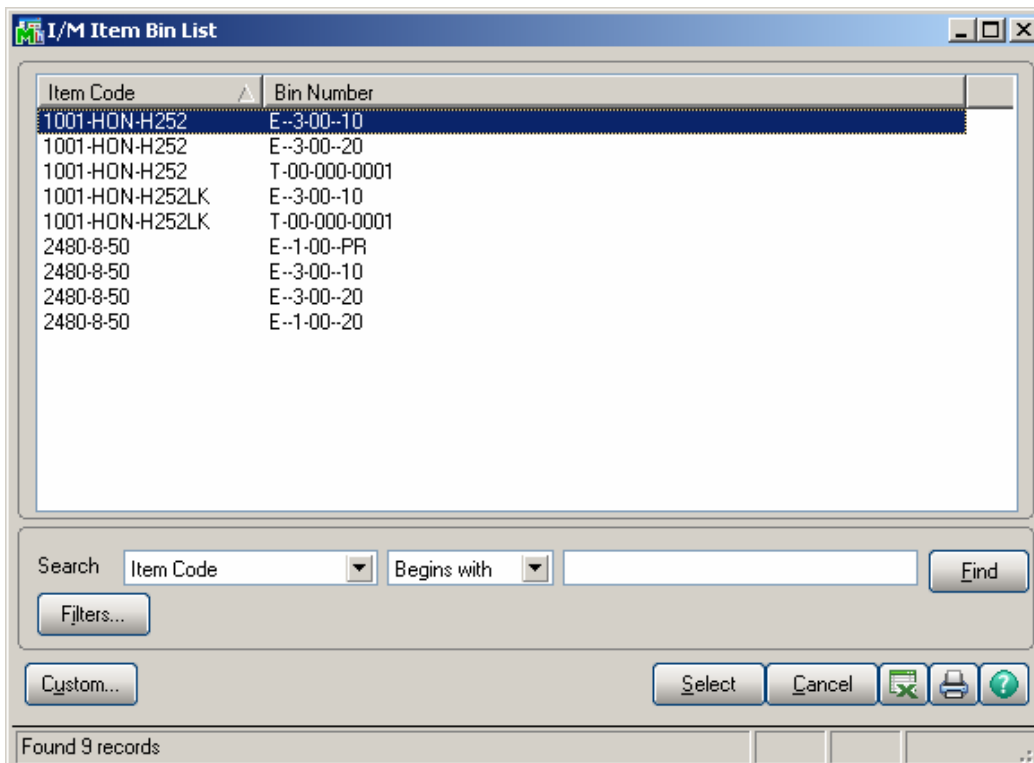
Transfer Items – this button allows for transferring Items from other bins to current traveler bin. This button is enabled only for Tote and Tare type travelers.

For Container type bin this button is disabled and the **Transfer Bins** button is enabled.

In tab is intended for transferring Items into current Traveler Bin and **Out** tab is for transferring Items out of the Traveler Bin to the Bins required.



Item Bin List button lists all the Bins with Items in stock.



Transfer Preprocessing (ABC) 6/13/2014

Traveler Bin: T000000004

Warehouse: 003 EAST WAREHOUSE

1.In | 2.Out

	From Bin	Item Code	Lot/Serial No.	Transfer Qty
1	E--3-00--10	1001-HON-H252		1.00
2	T-00-000-0001	1001-HON-H252LK		2.00
3	E--1-00--PR	2480-8-50	LOT#001	5.00
4				.00

Available Qty is 200 EACH

OK

For the selected line the Available Qty is shown below the grid.

The **Transfer Qty** entered in this screen doesn't commit the quantity for an item in the warehouse.

The Transfer quantity cannot be more than the Quantity Available. When more quantity is entered, the following message appears:

Sage ERP MAS 90

The transfer quantity 3 exceeds available quantity of 1.

OK

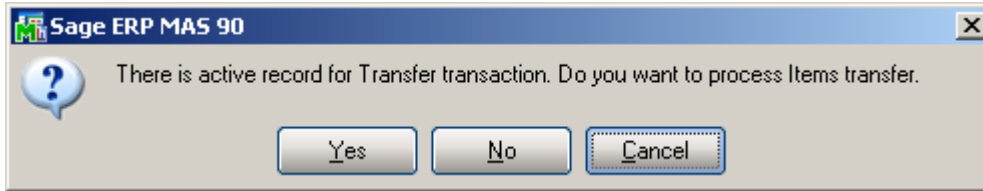
Upon pressing OK a prompt about Item transfer processing appears:

Sage ERP MAS 90

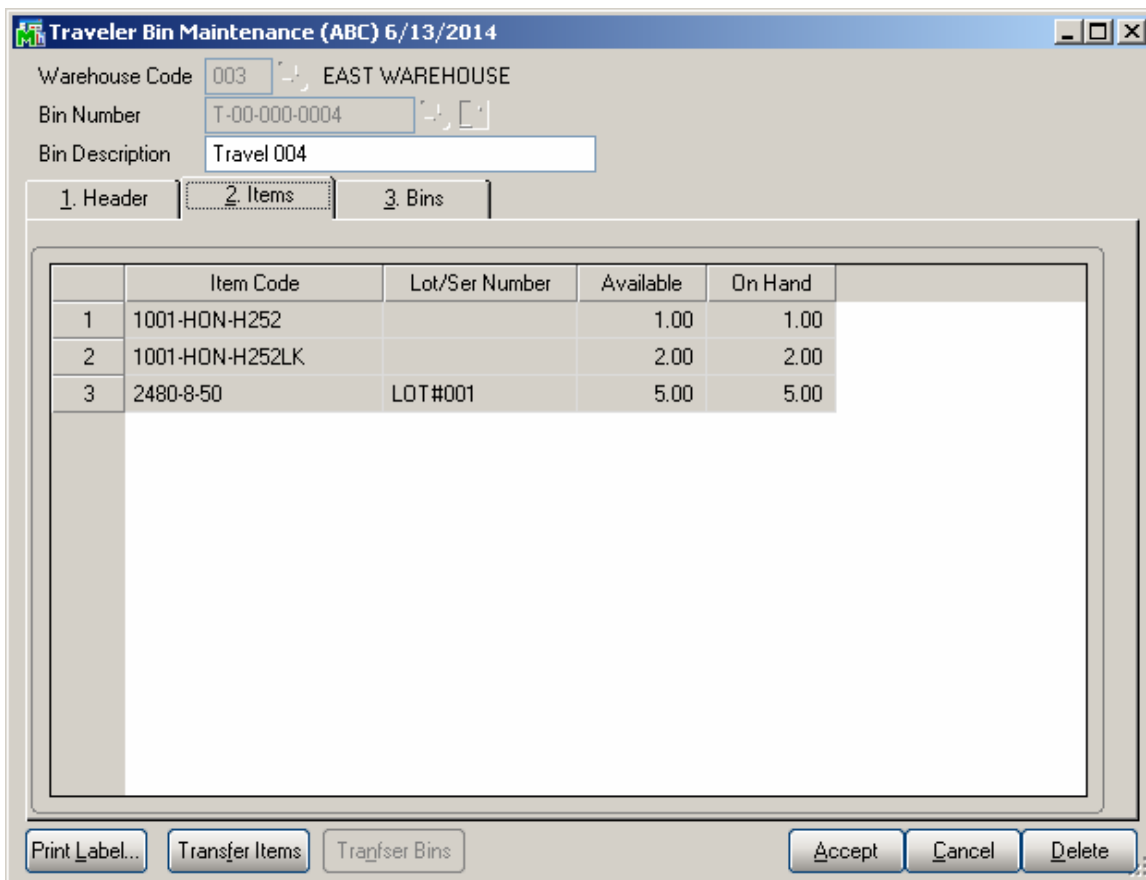
Do you want to process Items transfer.

Yes No

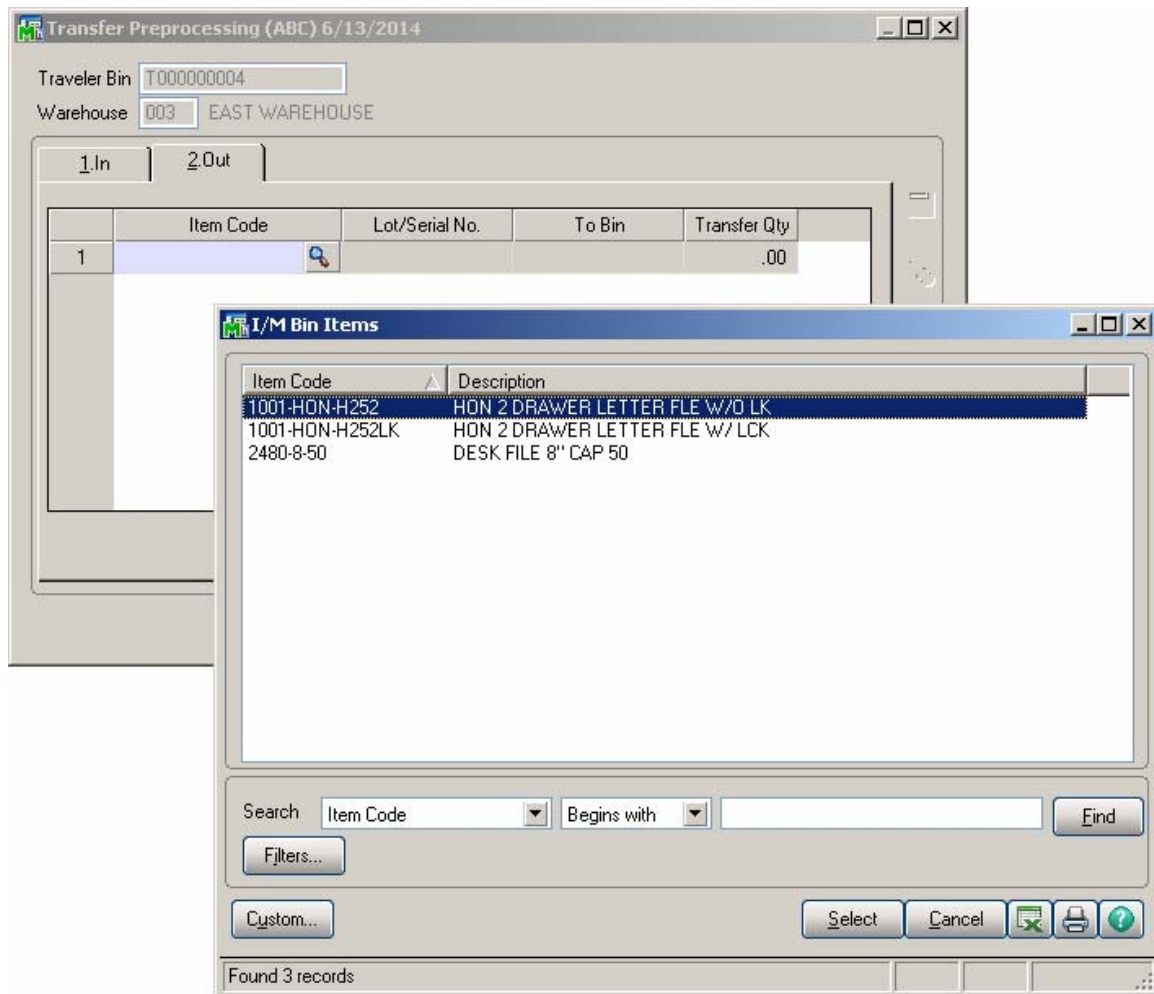
Selecting **Yes** processes the transfer. If **No** is selected no transfer is processed but the Items remain in the Transfer Preprocessing screen for further processing. If there are records in the Transfer preprocessing screen the following message appears upon Accepting Traveler Bin Maintenance:



Selecting **Yes** will process Transfer, **No** will clear the records from Transfer Preprocessing screen and cancel current entry. Selecting **Cancel** will cancel the message.



Now those Items can be transferred from current Traveler Bin to other bins.



The Item Code lookup lists the Items transferred to “In” Bins. After selecting an Item it is necessary to specify the To Bin.

	Item Code	Lot/Serial No.	To Bin	Transfer Qty
1	1001-HON-H252		F-KL-124-412	1.00
2				.00

Available Qty is 1 EACH

The rest of transfer processing is similar to Transfer in process.

When Container type bin is selected the Transfer Bins button is activated to enable transfer of traveler bins between other bins. In this case the Bins tab grid is loaded with traveler bins located in the selected container.

Warehouse Code: 003 EAST WAREHOUSE
Bin Number: T-00-000-0002
Bin Description:

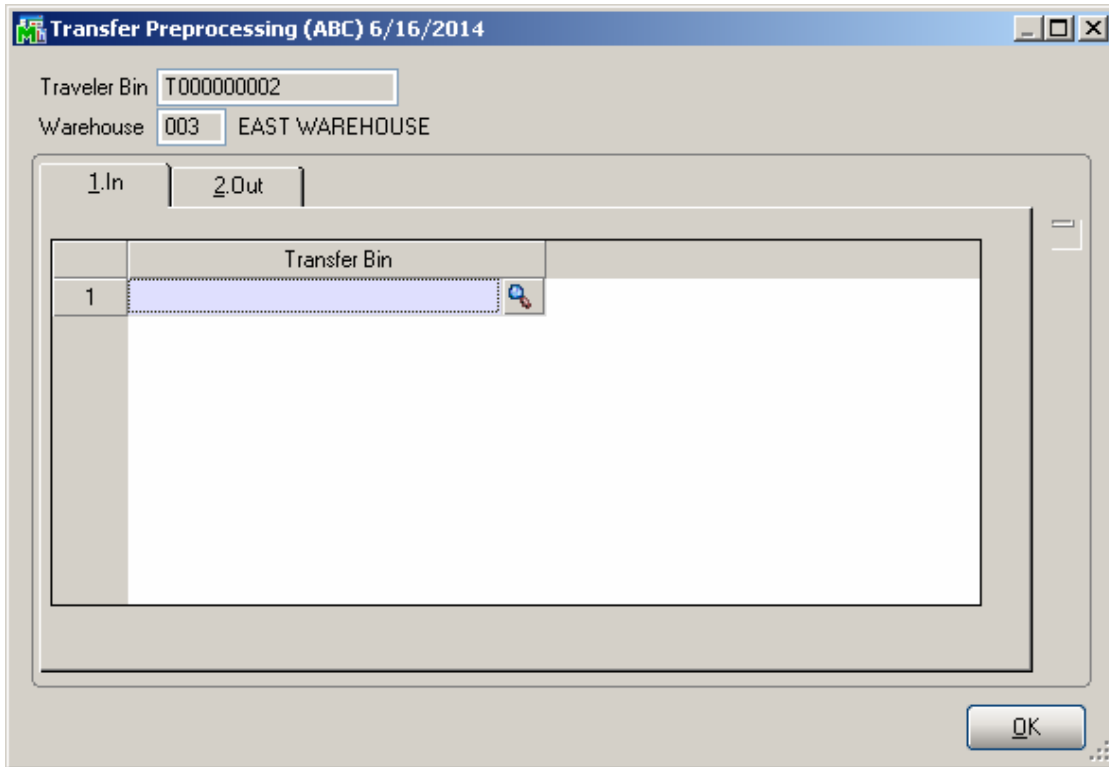
1. Header | 2. Items | 3. Bins

	Bin Number	Bin Type
1	T000000001	Tare
2	T000000004	Tare
3	T000000006	Tote

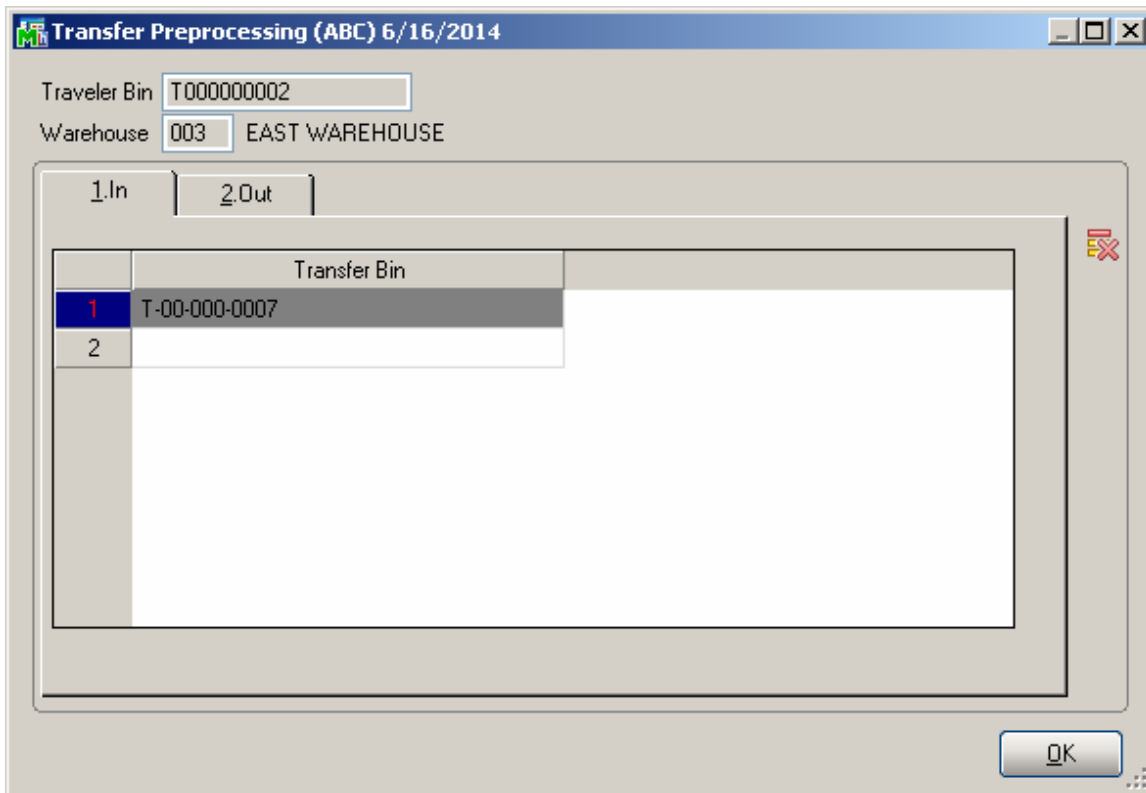
Print Label... Transfer Items Transfer Bins Accept Cancel Delete

Transfer Bins button allows for transferring other Bins into the selected Container and the bins already located in the container out to the desired bins. Upon pressing the button the Transfer Preprocessing screen is opened:

The In tab is intended for transferring other traveler bins (Tote and Tare type) into the selected Container bin and the Out tab respectively for transferring the bins located in the container to other bins.



The lookup lists all traveler bins for current warehouse.



Transfer Preprocessing (ABC) 6/16/2014

Traveler Bin: T000000002

Warehouse: 003 EAST WAREHOUSE

1.In | 2.Out

	Transfer Bin	To Bin
1	T-00-000-0001	F-KL-124-412
2	T-00-000-0004	E--1-00-PR
3		

OK

On the **Out** tab in the **Transfer Bin** field the user may select a Traveler Bin to be transferred and in the To Bin field the bin where he wants the traveler to be moved. After pressing Ok the following message appears to allow the user confirming bin transfer:

Sage ERP MAS 90

Do you want to process Bins transfer.

Yes No

Selecting Yes will process the transfer. If No is selected no transfer is processed but the selected bins remain in the Transfer Preprocessing screen for further processing. If there are records in the Transfer preprocessing screen the following message appears upon Accepting Traveler Bin Maintenance:

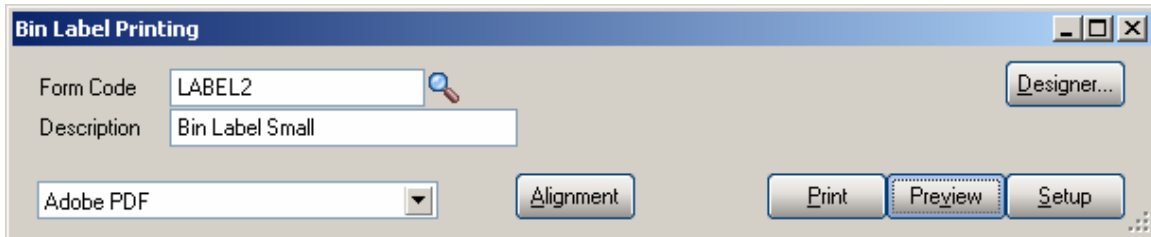
Sage ERP MAS 90

There is active record for Bin Transfer transaction. Do you want to process Bins transfer.

Yes No Cancel

Selecting **Yes** will process Transfer, **No** will clear the records from Transfer Preprocessing screen and cancel current entry. Selecting Cancel will cancel the message.

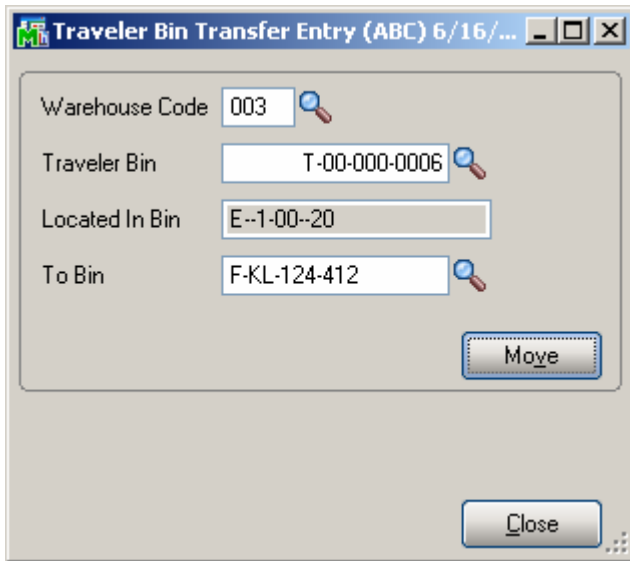
The **Print Label** button allows printing Bin labels for traveler bins. Upon pressing the button Bin labels printing program is run:



Traveler Bin Transfer

The **Traveler Bin Transfer** menu added under the Inventory Management Main allows for easy transfer of traveler bin from its current bin location to the desired one inside the warehouse.

In the Traveler Bin field select the bin to be moved.
Only Tote and Tare type Traveler Bins can be selected here.



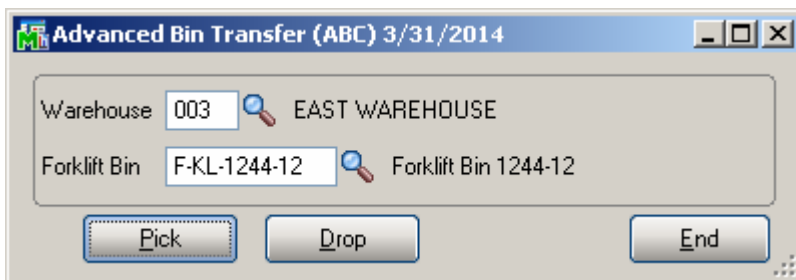
The screenshot shows a software dialog box titled "Traveler Bin Transfer Entry (ABC) 6/16/...". It contains four input fields, each with a magnifying glass icon for search: "Warehouse Code" with value "003", "Traveler Bin" with value "T-00-000-0006", "Located In Bin" with value "E--1-00--20", and "To Bin" with value "F-KL-124-412". There are two buttons: "Move" and "Close".

Upon selecting a traveler Bin the Located In bin is automatically loaded. In the To Bin it is necessary to specify the Bin where you want current traveler bin to be moved. The Tote and Tare type traveler bins cannot be selected as To Bin.

Pressing Move button will transfer the selected Bin from its current location to the one selected as To Bin.

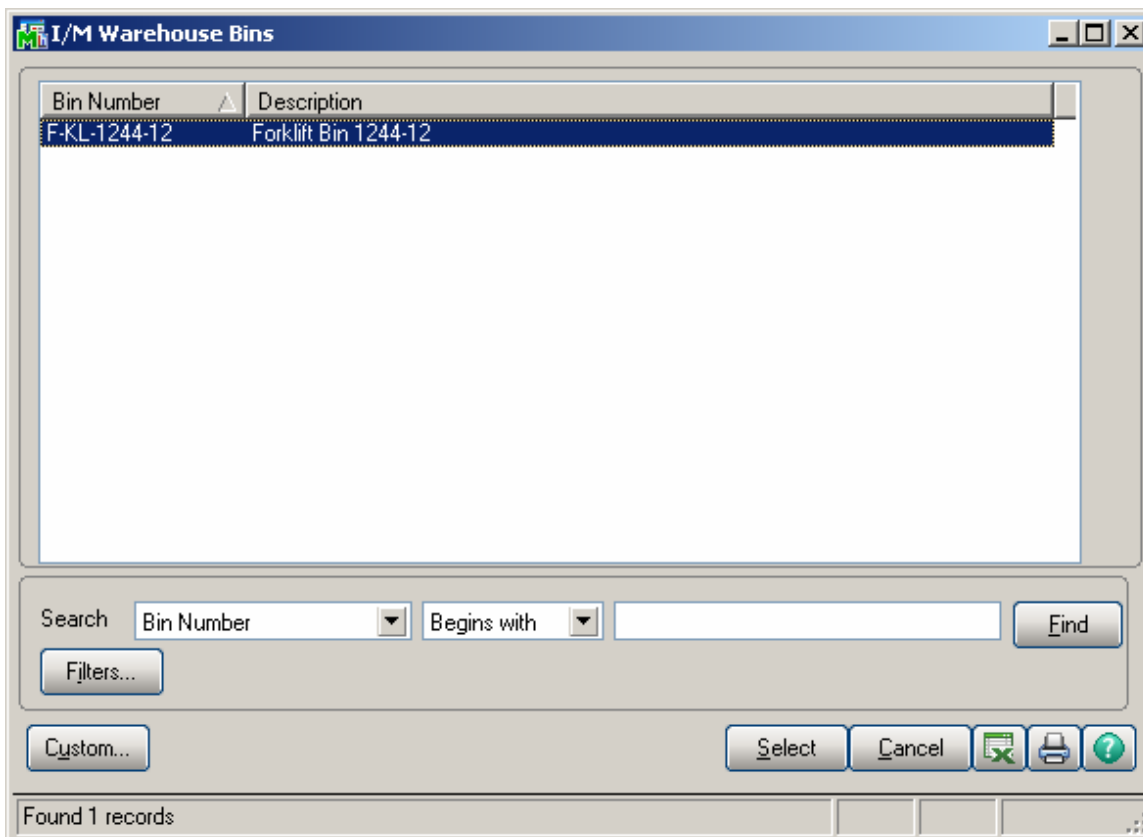
Advanced Bin Transfer

The **Advanced Bin Transfer** program has been added under the **Inventory Management Main** menu to allow easy inventory transfer out of Bin and transfer in to Bin procedure.



Enter the **Warehouse Code** and **Forklift Bin Location** for the **Advanced Bin Transfer** procedure.

Only Bins assigned to Forklift Bin Type in the Bin Code Maintenance are allowed. The lookup lists only Forklift type bins:



Pressing **Pick** button opens the Pick screen allowing the user to pick Items/Traveler Bins for the selected Forklift Bin.

The screenshot shows a software window titled "Pick" with the following elements:

- Warehouse: 003 EAST WAREHOUSE
- Forklift Bin: F-KL-1244-12 Forklift Bin 1244-12
- Pick From Bin: [Empty field with search icon]
- Item Code: [Empty field]
- Quantity To Transfer: .00
- Buttons: OK, Undo, Del, Clear, Switch, Close
- Checkbox: Auto Increment
- Table with columns: Bin Number, Item Code, Lot/Serial No, Transfer Qty

Bin Number	Item Code	Lot/Serial No	Transfer Qty
------------	-----------	---------------	--------------

Enter the bin to pick Items from:

Warehouse: 003 EAST WAREHOUSE
Forklift Bin: F-KL-124-412 EAST WAREHOUSE

Pick From Bin: E--3-00--10
Item Code:
Quantity To Transfer:

Bin Number	Item Code	Lot/Serial No	Transfer Qty
E--3-00--10	1001-HON-H252LK		2.00
E--3-00--10	2480-8-50	LOT#001	1.00

Auto Increment

The Switch button allows for switching to traveler bins and picking a Traveler Bin:

Traveler Bin	Source Location
T-00-000-0004	E-1-00-PR

The **Lookup** button next to the **Pick From Bin** field lists the Bin locations for current warehouse allowing the user to select a **Bin Location** from which the Item is picked.

In the **Item Code** enter the item to be picked.

The **Clear** button allows for clearing the last selected **Bin Location** for the quick selection of next Bin Location.

Select the **Auto Increment** check box to automatically increment the **Quantity To Transfer** by 1. If this check box is selected, scanning the item, selecting the item from the Lookup window, or entering the item code will increment the quantity by 1. If the entered **Quantity to Transfer** is more than quantity available in the selected Bin, it is automatically defaulted to maximum quantity available in current warehouse. Clear this check box if you do not want to automatically increment the **Quantity to Transfer** by 1.

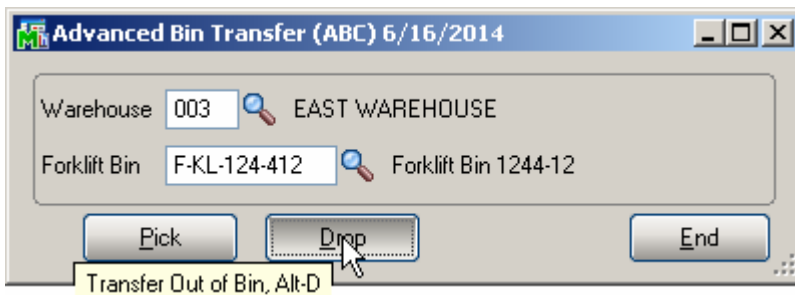
While entering the **Quantity to Transfer** manually, the following message appears if the entered quantity exceeds the quantity available in the warehouse:



And the quantity field is cleared with focus in it for new entry.

If Lot Serial Item Code is selected, the Lot/Serial Field becomes available for selecting/entering Lot/Serial Number.

After Picking is completed it is necessary to Transfer Items/Traveler bins out of the selected Forklift Bin:



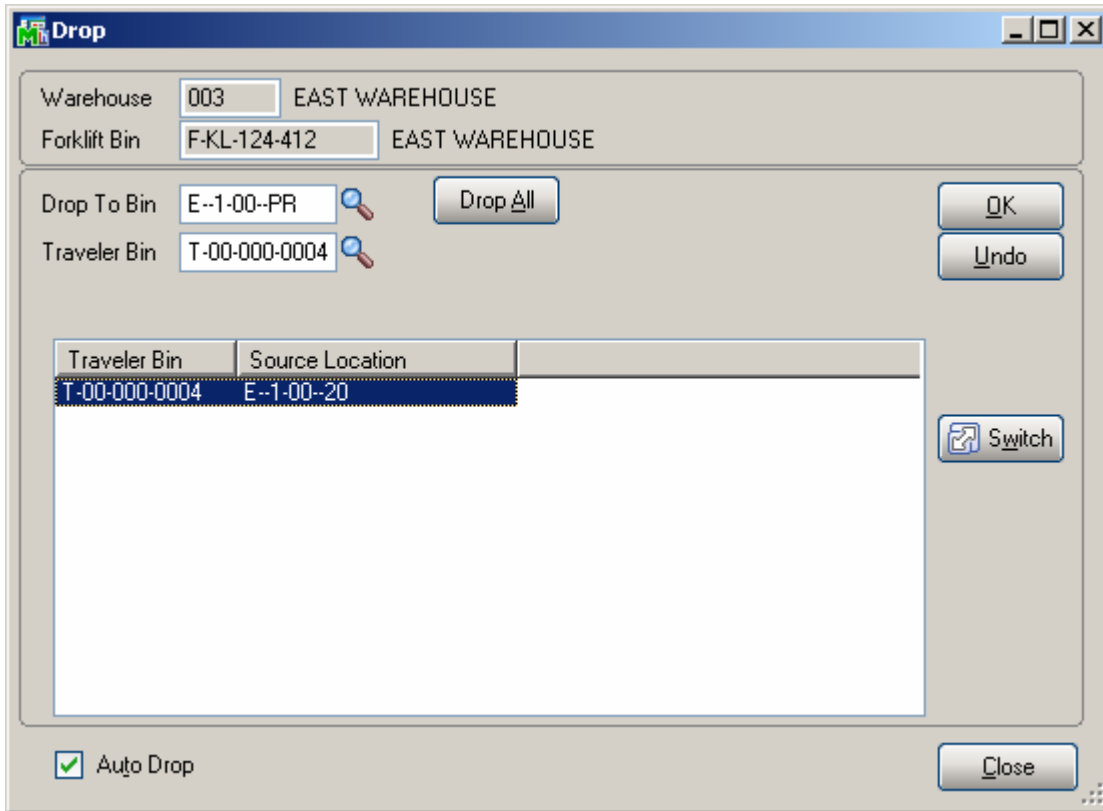
Press the Drop button to open Drop screen:

The screenshot shows a software window titled "Drop" with the following fields and controls:

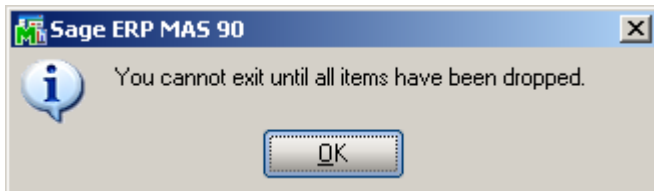
- Warehouse: 003 EAST WAREHOUSE
- Forklift Bin: F-KL-124-412 EAST WAREHOUSE
- Drop To Bin: [Empty field with magnifying glass icon]
- Drop All: [Button]
- Item Code: [Empty field with magnifying glass icon]
- Quantity To Drop: [Input field with value .00]
- Table with columns: Item Code, Lot/Serial No, Transfer Qty
- Table rows:
 - 1001-HON-H252LK, [Empty], 2.00
 - 2480-8-50, LOT#001, 1.00
- Auto Decrement: Auto Decrement
- Buttons: OK, Undo, Switch, Close

Drop All button allows for dropping all Items at once. If **Auto Decrement** checkbox is selected the Transfer Qty will be automatically decremented upon each scanning of the Item code.

Press Switch button to switch to Traveler Bin drop screen and drop the Traveler Bin.



The Advanced Bin Transfer Entry cannot be Ended/Closed if there is at least one Item/Traveler Bin picked and not dropped.



Shipping Data Entry

The **Select Traveler Bin** button added on the Shipping Tab of the Shipping Data Entry allows for selecting a traveler Bin and automatically distributing Items by respective bins.

The screenshot shows the 'Shipping Data Entry' window for order ABC dated 6/13/2014. The header includes fields for Shipper ID (1), Ship Date (6/13/2014), Order No. (0000197), Shipping No. (0100072), Ship Status (New), and SO Created By (IIG). The customer is identified as 01-ABF, American Business Futures.

The main area is divided into '1. Lines' and '2. Shipping' tabs. Under '1. Lines', there is an 'Item Code' search field and a 'Quick Row' dropdown set to 1. A table lists the items:

	Item Code	Ordered	Shipped	Back Ordered	Comment
1	1001-HON-H252	2.00	.00	.00	
2	2480-8-50	3.00	.00	.00	

A tooltip 'Select Traveler Bin, Alt-U' is visible over the 'Back Ordered' column. Below the table, a detailed view for the selected item shows:

Description	HON 2 DRAWER LETTER FLE W/O LK
Warehouse	003
U/M	EACH
Package	0001

At the bottom, there are buttons for 'Quick Print', 'Auto Increment' (checked), 'Accept', 'Cancel', 'Delete', and a help icon.

Shipping Data Entry (ABC) 6/13/2014

Shipper ID: 1 Ship Date: 6/13/2014 Order No.: 0000197
 Shipping No.: 0100073 Ship Status: New SO Created By: IIG
 Customer No.: 01-ABF American Business Futures

1. Lines 2. Shipping

Item Code: T-00-000-0004 Quick Row: 1 Pkg: 0001

	Item Code	Ordered	Shipped	Back Ordered	Comment
1	1001-HON-H252	2.00	.00	.00	
2	2480-8-50	3.00	.00	.00	

Description: HON 2 DRAWER LETTER FILE W/O LK
 Warehouse: 003
 U/M: EACH
 Package:

Quick Print Auto Increment Accept Cancel Delete [Print] [Help]

If the Traveler Bin number is scanned the lines are automatically distributed by respective bin based on the Sales Order header warehouse.

Shipping Data Entry (ABC) 6/13/2014

Shipper ID: 1 Ship Date: 6/13/2014 Order No.: 0000197
 Shipping No.: 0100074 Ship Status: Lines Completed SO Created By: IIG
 Customer No.: 01-ABF American Business Futures

1. Lines 2. Shipping

Item Code: Quick Row: 2 Pkg: 0001

	Item Code	Ordered	Shipped	Back Ordered	Comment
1	1001-HON-H252	2.00	.00	.00	
2	2480-8-50	3.00	3.00	.00	

Description: DESK FILE
 Warehouse: 003
 U/M: EACH
 Package:

Quick Print Auto Increment

Bin Number Distribution

Item Code: 2480-8-50 DESK FILE 8" CAP 50
 Unit of Measure: EACH Lot/Serial No: LOT#001

	Bin Number	Available	Distribute
1	T-00-000-0004	2.00	3.00
2	<input type="text"/>	.00	.00

Distribution Balance:

OK Cancel

B/M Production Entry

Traveler bins can be used for staging product for assembly. Group of items for Production, such as a server, can be staged into a traveler bin and transferred to the assembly area. In production entry to build the server, the traveler bin can be scanned to load the items into production entry.

Production Entry (ABC) 6/16/2014

Production Number: 0000014

1. Header | 2. Lines

Quick Row: 1

Select Traveler Bin, Alt-M

	Component Item Code	Quantity/Bill	Extended Quantity	Comment
1	1001-HON-H252LK	2.00	4.00	
2	1001-HON-H254	3.00	6.00	
3	D1400	1.00	2.00	
4		.00	.00	

Description: HON 2 DRAWER LETTER FLE W/ LCK
Warehouse: 000
Unit Of Measure: EACH
Costing: FIFO

Accept Cancel Delete

Upon pressing the Select Traveler Bin button the Warehouse Traveler Bins list is opened allowing the user to select/scan a traveler Bin containing the necessary components.

Whse	Traveler Bin	Description	Traveler Type	Located In Bin
000	T-00-000-0001		Tote	A-10-010-
000	T-00-000-0002		Tote	A-20-030-
003	T-00-000-0001		Tare	F-KL-124-412
003	T-00-000-0002		Container	E-1-00-PR
003	T-00-000-0004	Travel 004	Tare	T-00-000-0002
003	T-00-000-0006		Tote	F-KL-124-412
003	T-00-000-0007		Tote	T-00-000-0002

Search: Traveler Bin (dropdown) Begins with (dropdown) [input field] [Find]

[Filters...]

[Custom...]

[Select] [Cancel] [Print] [Help]

Found 7 records

Upon selecting a Traveler Bin with quantities available for distribution, the components are automatically distributed:

Production Entry (ABC) 6/16/2014

Production Number 0000014

1. Header 2. Lines

Quick Row 2

	Component Item Code	Quantity/Bill	Extended Quantity	Comment
1	1001-HON-H252LK	2.00	4.00	
2	1001-HON-H254	3.00	6.00	
3	D1400	1.00	2.00	
4		.00	.00	

Bin Number Distribution

Item Code 1001-HON-H254 HON 4 DRAWER LETTER FILE W/C

Unit of Measure EACH

	Bin Number	Available	Distribute
1	T-00-000-0001	8.00	6.00
2		.00	.00

Distribution Balance .00

OK Cancel

Utilities

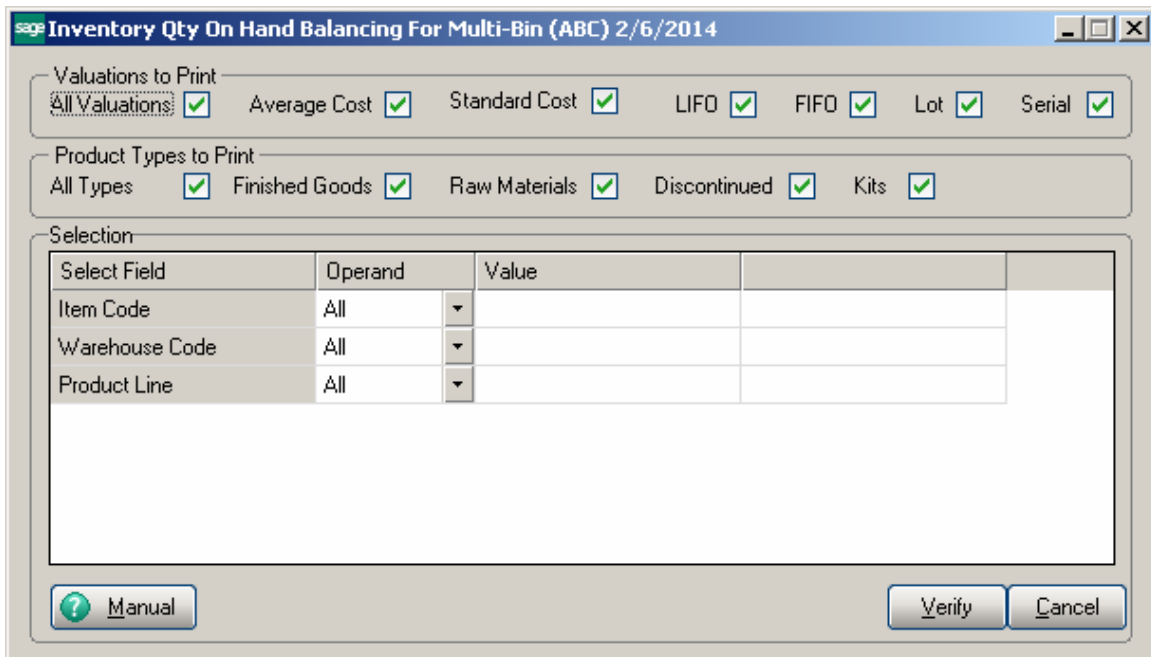
Inventory Bin Balancing Utility

The **Inventory Bin Balancing Utility** added under the **Inventory Management Utilities** menu is intended for correcting the Item On Hand quantities in Bins based on the IM_ItemCost.M4T file (for LIFO/FIFO and Lot/Serial valuation type Items) and based on the IM_ItemWarehouse.M4T file for the Items of other valuation types.

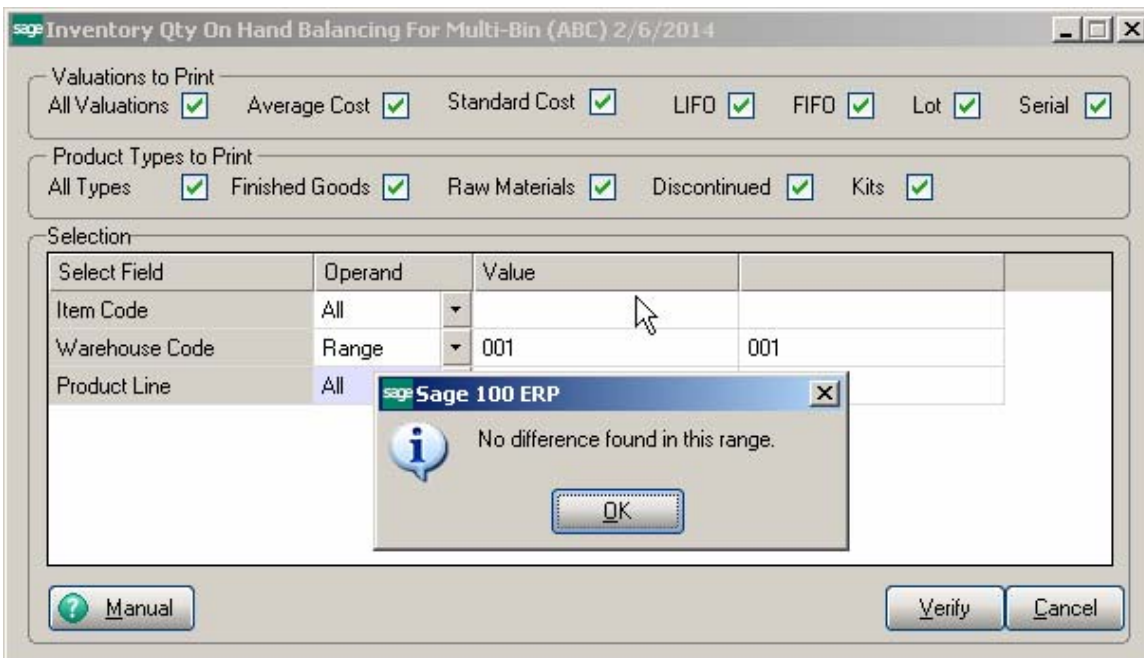
Before processing the utility the user is prompted about running the Rebuild Sort file utility for Inventory Management module:



All valuation types and Product types are selected by default.

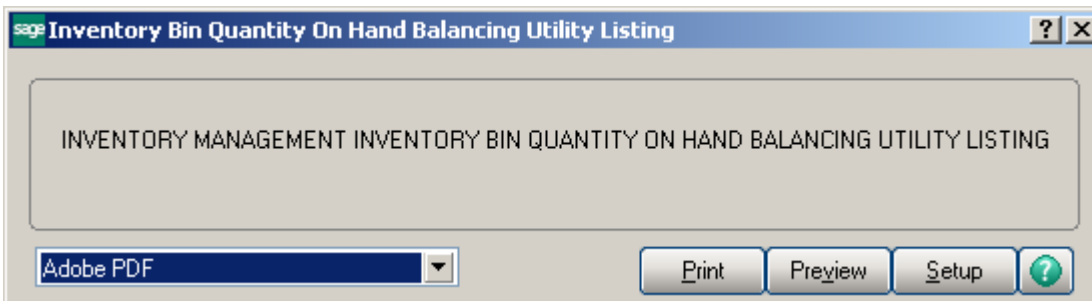


It is necessary to have receiving bin selected for a warehouse in order to process this utility. If no receiving bin exists for a warehouse(s) in the selected warehouse range, the following message appears upon pressing the Verify button:

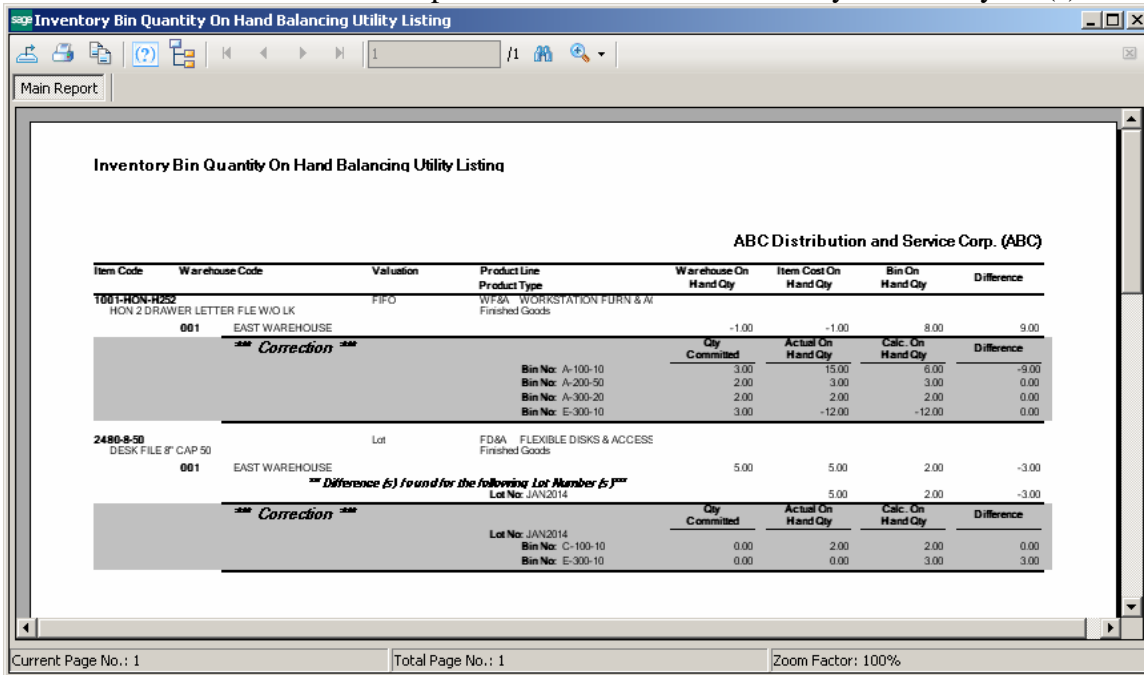


If the bins are not out of balance in the selected warehouses a message appears: “ No difference found in this range” and the utility is closed.

The **Inventory Bin Quantity On Hand Balancing Utility Listing** report is opened if differences are found:



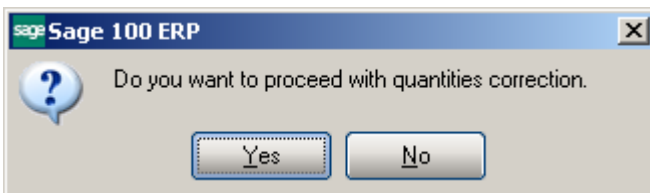
The user can Print/Preview the report to see what corrections may be done by bin(s):



If differences are found the ***** Correction***** part of the report shows how this utility will correct the quantities.

When there are fewer products in Inventory than in bins, it means there is product deficit. The correction will be done as follows: the program will first reduce the bins with available quantity (Qty On Hand – Qty Committed), starting from the lowest bin (by sort sequence). In the next step if there is still product deficit then the program will reduce the Quantity by the remaining Qty On Hand starting from the lowest bin (by sort sequence). And in case there is still product deficit the remaining quantity will be reduced in the first bin (by sort sequence) so that the product deficit is zero.

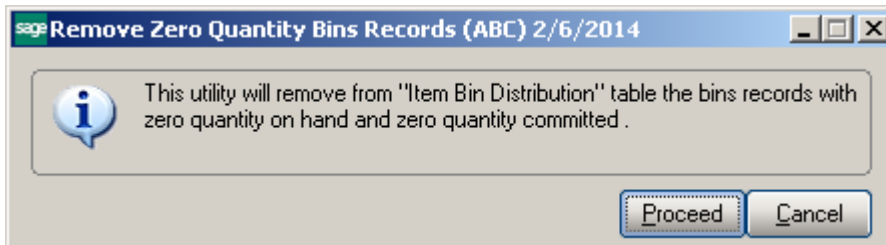
When there is more inventory than is shown in the bins, the additional product will be added to the receiving Bin.



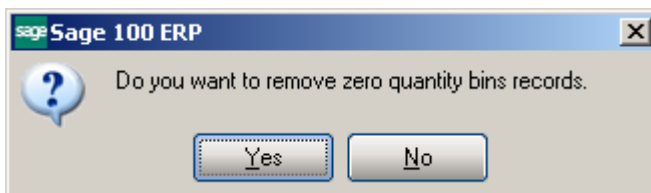
Pressing Yes will correct the quantities in Bins.

Remove Zero Quantity Bins Records

The **Remove Zero Quantity Bins Records** program has been added under the **Inventory Management Utilities** menu to allow removing from the **Item Bin Distribution** table all the Bins, which have zero Quantity on Hand and Quantity Committed.



Upon pressing the **Proceed** button a message appears allowing the user to confirm bin records removal:

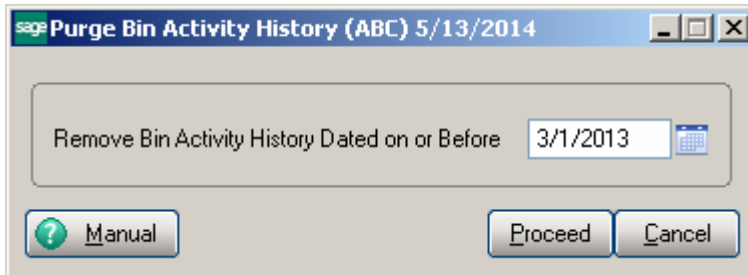


A record is written in the System Activity Log each time the utility is processed:

The screenshot shows a software window titled "Activity Detail" with a Sage logo in the top left corner. The window contains several input fields and a text area. The fields are: Date (2/6/2014), Time (05:25 PM), Type (System Activity), Company (ABC), User (USERIIG), and Module (I/M). Below these is an Error Info field which is empty. The Description field is a large text area containing the text: "I/M Remove Zero Quantity Bins Utility completed. Number of records removed: 153". At the bottom left is a Log File field. At the bottom right are navigation buttons (back, forward, search) and an OK button.

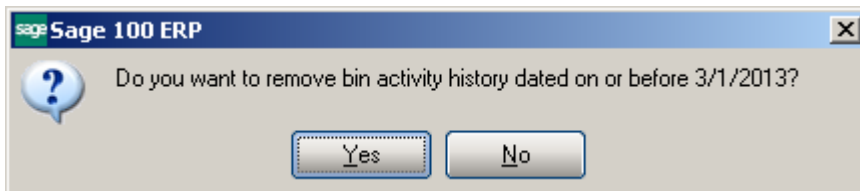
Purge Bin Activity History

In the **Purge Bin Activity History** window, accessed from the Inventory Management Utilities menu, enter the date to remove bin activity history data. All history data dated on or before the entered Date will be permanently removed from the system.

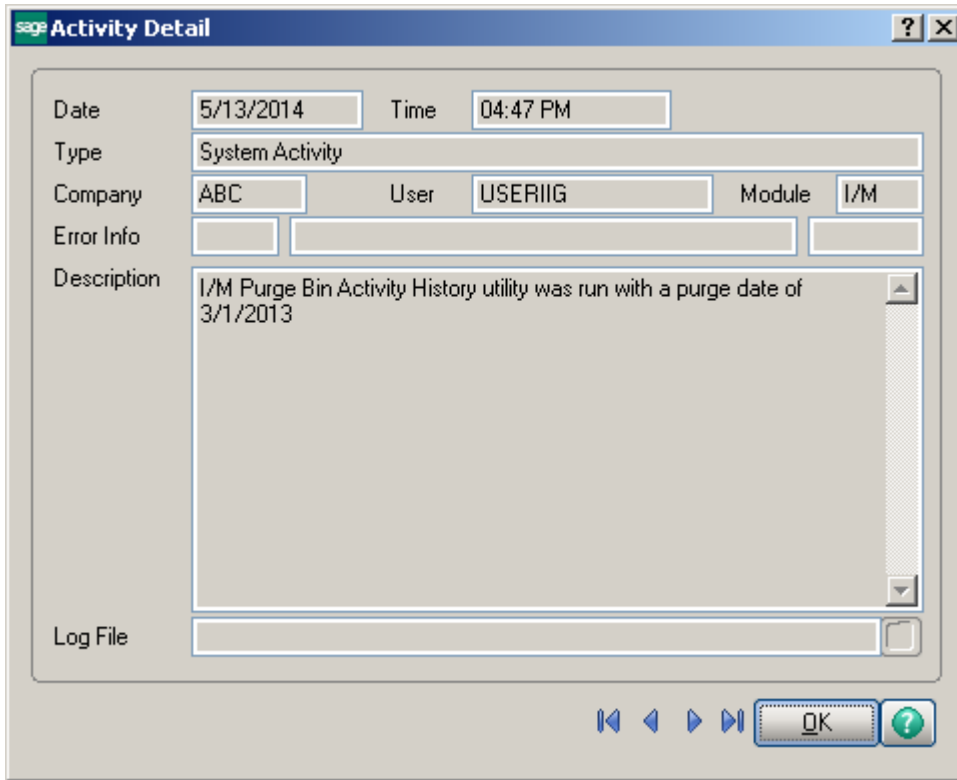


Click Proceed.

When prompted to purge bin activity history data, click Yes.

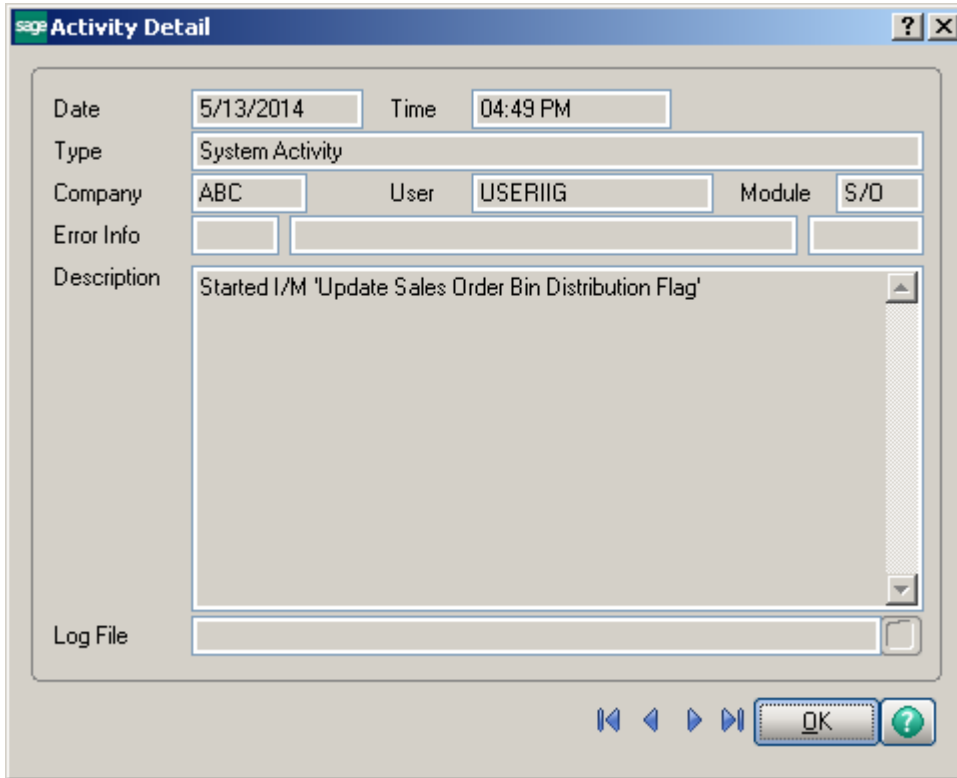


The selected bin activity history data is permanently removed from the system, and the System Activity Log is updated with the date, time, company code, user logon, purge description, and purge date.



Update Sales Order Bin Distribution Flag

The **Update Sales Order Bin Distribution Flag** utility has been added under the Sales Order Utilities menu to allow for updating the Bin Distribution flag on the Sales Orders. Respective records are written in the System Activity Log when the utility is started and when it is completed.



The screenshot shows a software window titled "Activity Detail" with a Sage logo in the top left corner. The window contains several input fields and a text area. The fields are: Date (5/13/2014), Time (04:49 PM), Type (System Activity), Company (ABC), User (USERIIG), and Module (S/D). Below these is an Error Info section with three empty fields. The Description field is a large text area containing the text "Finished I/M 'Update Sales Order Bin Distribution Flag'". At the bottom left is a Log File checkbox. At the bottom right are navigation buttons (back, forward, search) and an OK button.