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Armstrong Process

Armstrong negotiates terms with national accounts and buying groups. The Distributors service the orders for the national accounts and buying groups on behalf of Armstrong. The customers place their orders with Armstrong and those orders are placed again on the appropriate distributor's system. Some of the distributor's are considered Regional Distribution Centers (RDC) for Armstrong. The Distributor fills and ships the order then notifies Armstrong. Armstrong pays the invoice for the order that the distributor shipped in addition to paying the Distributor compensation for delivering the goods. The customer pays Armstrong.

The programs always fall into one of two categories.

- RDC - Regional Distribution Center - The RDC program is for national accounts known as the “big box” accounts. These accounts are setup on the Distributor's system with a branch code of RDC. Current Big Box National Accounts are:
 - The Home Depot
 - Lowes
- SSC - Servicing Subcontractor - The SSC program is for smaller buying groups. These accounts are setup on the distributor's system as customer type S*. The current buying groups are:
 - NFA/FCI - National Floor Alliance Buying Group
 - Direct Buy
 - Sherwin Williams
 - Surface Logic
 - Extended Stay Hotels
 - Floor and Décor
 - CCA Global

All other Armstrong business that the distributor does is considered wholesale to retail sales (WTR). Armstrong sets up programs on their system and makes certain wholesalers eligible for rebates. These sales are sent to Armstrong each night. Armstrong sends back rebates for qualifying invoices.

Note: Refer to Configuration for Inbound Rebates.

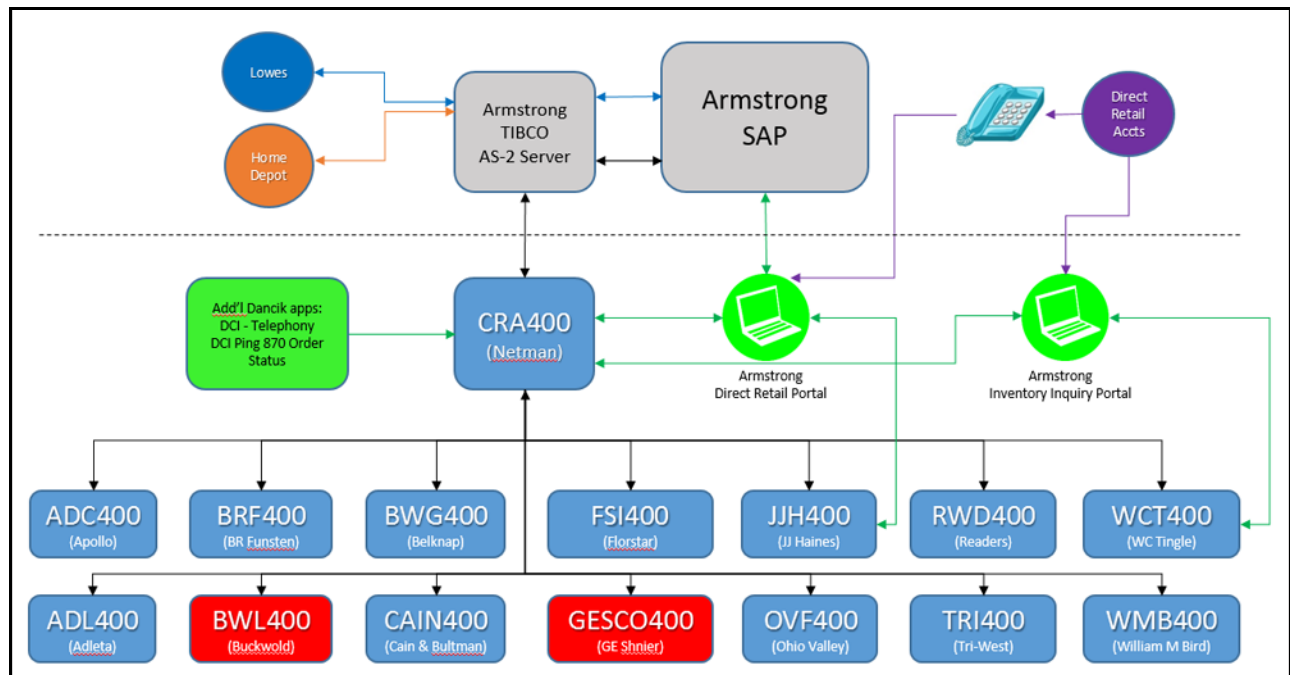
For every new Buying Group or RDC store Armstrong sends the servicing distributor information pertaining to the setup of the accounts.

- Pricing items (FIL 9)
 - Create LP price list for the items. (The price on the orders will be the base cost of the items)

Overview

- Billto accounts (FIL 1)
 - If this is an RDC, the branch will be RDC
 - If this is an account that is part of a buying group the customer type will be S*
 - Enter the Armstrong account as the AR account
 - Enter BC as price list
 - Enter chain code for the buying group
- Customer Preference File (FIL 38)
 - Entry for the chain code for the buying group.
 - On page 2 set the option **Does the customer require Order-level, Pallet-level or No ASNs** to O for order-level
- Customer Cross Reference data (RDC 2)
 - Create entry to cross reference each account to a store using information supplied by Armstrong.

Armstrong EDI Processes



The RDC menu

Menu Option	Description
RDC 1 - RDC Warehouse Cross Reference Table	Armstrong assigns an RDC number to each warehouse for each Distributor. The cross reference is maintained here.
RDC 2 - CRA Customer Cross Reference Table	Armstrong assigns a CRA number and CRA store number to each billto. The customer type is always RDC. It use to be that there were separate accounts based on product type. This is no longer the case so the customer type is no longer pertinent.
RDC 3 - RDC Item Cross Reference Table Maintenance	Armstrong maintains this table. The Distributor should never have to go into this option unless instructed to correct a data issue such as packaging.

Menu Option	Description
<p>RDC 4 Zone Table</p> <p>RDC 5 Rush Delivery Fee Table</p> <p>RDC 6 Delivery Fee Table</p> <p>RDC 7 Warehouse/Overhead Fee Table</p> <p>RDC 8 Inbound Freight Fee Table</p> <p>RDC 9 Terms Table</p> <p>RDC 10 Payment Due Date Maintenance</p> <p>RDC 11 Material Cost Table</p>	<p>Options 4 - 11 use to be maintained on Armstrong's system and then downloaded in the Distributor's system. This was the way the Distributor could inquiry on how Armstrong calculated compensation. These tables are no longer used.</p>
<p>Options 12 - 14 use to be used to process compensation. They are no longer used.</p>	
<p>RDC 12 Edit RDC Invoicing/Compensation Data</p> <p>RDC 13 Export RDC Invoicing/Compensation Data</p> <p>RDC 14 Reset Invoicing/Compensation Data Drop for Retransmission</p>	
<p>RDC 15 - Identify Drop Number for an Order</p>	<p>Used to identify drop numbers for orders.</p>
<p>RDC 16 - Identify CRA Order Numbers for a Drop</p>	<p>Used to identify CRA orders for a drop.</p>
<p>RDC 17 - RDC Compensation Report by Drop or Date Range</p>	<p>Use to inquire on compensation data sent to the Distributor by Armstrong</p>
<p>RDC 18 - Uncompensated CRA Invoices Report by Shipping Date Range</p>	<p>This report list the invoices with no compensation. It will list the drop by invoice and an exception message for the invoice.</p>
<p>RDC 20 - RDC Mileage Table Inquiry</p> <p>RDC 21 - Incomplete RDC/SS Orders for Closing Report</p>	<p>Options 20 - 21 are no longer used.</p>

Menu Option	Description
RDC 22 - Manifest Acknowledgment Report	This option lists manifests, orders and their line items that have not been acknowledged as being received by Armstrong.
RDC 25 - Edit RDC Replenishment Purchase Orders	This option will print an outbound edit of the purchase order but will not send it. The job runs under user SUPPORT.
RDC 26 - Export RDC Replenishment Purchase Orders	Use this to manually export POs to Armstrong. An outbound edit report will print in the spoolfile for the user submitting the job.
RDC 27 - View/Resend PO's from History File	Option 27 is no longer used. You can send POs from History using RDC 26.
RDC 30 Edit RDC/Serviceing Subcontractor Order Shipping Transactions	This report lists orders that an OST could not be sent for and why.
RDC 31 Export RDC/Serviceing Subcontractor Order Shipping Transaction	RDC 31 is disabled. Use option 32.
RDC 32 - Retransmit RDC/Serviceing Subcontractor OST	OSTs are sent when Close-A-Truck is run for an order being shipped. If there was a problem sending the OST and it needs to be resent you would use this option to resend.
RDC 33 - Cash Remittance Processing	Process compensation files from Armstrong. This will create an AR entry to be edited and posted.
RDC 34 - RDC/Serviceing Subcontractor System Setting	There are 2 system settings that pertain to the Armstrong compensation process. <ul style="list-style-type: none"> • Compensation and Cash Application Controls • Enable/Disable Compensation Transmission
RDC 35 - RDC/Serviceing Subcontractor Disputed Payments Maintenance	RDC 35 has been disabled. No longer used.
Options 36 - 38 are not used but can be run on demand.	
RDC 36 - Submit Order Reason Code-507 Analysis Report RDC 37 - Submit Material Availability Analysis Report RDC 38 -Submit Sherwin Williams Order Analysis	

Overview of Processes

Replenishment

Two ways inventory is replenished in a Distributor's warehouse.

- Regular PO - Distributor creates a purchase order and the order is sent to Armstrong (as an 850 transaction).

Note: Refer to “Configuration for Outbound POs and Directs” on page 2-4 for more information.

— Armstrong processes the purchase order in their system and sends the distributor an order acknowledgement via EDI (transaction 855). This 855 updates the line item ship date and status. A process is automatically submitted to update the ATP information on customer back-orders.

Note: Refer to “Configuration for Inbound Order Acknowledgements” on page 2-7.

— When Armstrong fills the purchase order and ships the inventory they send the distributor an ASN and an invoice. The ASN (Advance Shipping Notice) is called an 856 and the Invoice is an 810.

Note: Refer to “Configuration for Inbound ASNs” on page 2-25 for more information.

Note: For more information refer to, “Configuration for Inbound Invoices” on page 3-1.

- Reverse PO known as Co-Managed Inventory - Armstrong creates a replenishment type order in their system then transmits an RPO855 to the Distributor. A purchase order is created on the Distributor's system. Automatically an 860 is created and sent back to Armstrong. That transaction updates the order in Armstrong's system with the Dancik system's order number and date so it can be processed as if it were a regular replenishment order sent from the Distributor to Armstrong.

Note: For more information refer to, “Configuration for Reverse POs” on page 2-1.

Customer Orders

Orders are sent to the Distributor's system in one of two ways.

- Armstrong CSR enters the order directly into the Distributor's system.

Note: For more information, refer to “Configuration for CRA pass through” on page 3-1.

- The order is sent via EDI.

Note: Refer to “Configuration for EDI Inbound orders from Armstrong” on page 3-2

Shipping notices

When a customer order is shipped, the distributor runs Close-a-Truck.

The Close-a-Truck process sends an Outbound Shipping Transaction (OST) for every order that has branch of RDC or customer type of S*. This tells Armstrong that the product has been shipped to the customer. Armstrong can then bill the customer and send compensation to the Distributor

Note: For more information refer to, “Configuration for Outbound OST” on page 3-14.

Compensation

The Distributor invoices the order and the receivable goes on the Armstrong account. The Distributor never bills the customer that was serviced for Armstrong. They bill Armstrong the amount that Armstrong agreed to pay.

Note: Refer to “Configuration for AR Account Posting for Compensation” on page 4-7.

System Maintenance

There are some Armstrong maintenance jobs that run on each distributor's system at night

Note: Refer to “Nightly Downloads and Updates” on page 6-3.

Security Measures for Armstrong Users

Armstrong CSRs need access to Distributor's systems to enter orders on behalf of Armstrong. With the following setup these users can be locked down to only the Armstrong business.

“Controlling Application Navigation by Using Authority Classes” on page 1-7

“Controlling Data Access via a Business Entity” on page 1-13

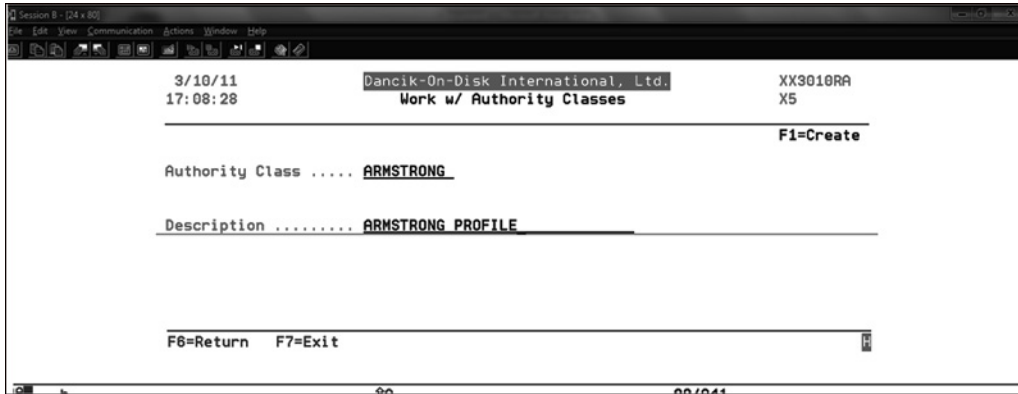
“Restricting Order Entry/Order Change Function Keys” on page 1-18

Controlling Application Navigation by Using Authority Classes

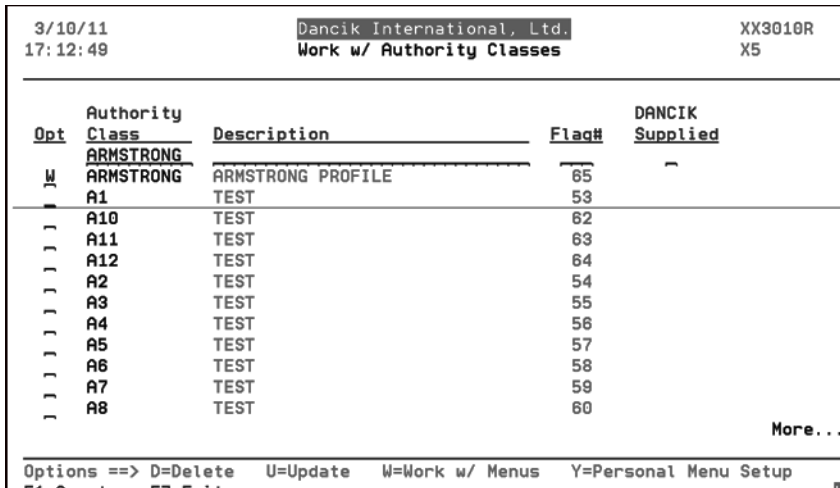
Creating an Authority Class for Armstrong Users

1. Set the Armstrong user profiles (ARMnnn) to use the New Menu System.
2. Create an Authority class for the ARM users.
 - Use menu option MNU 1
 - Press F1 to create a new Authority class for the Armstrong users

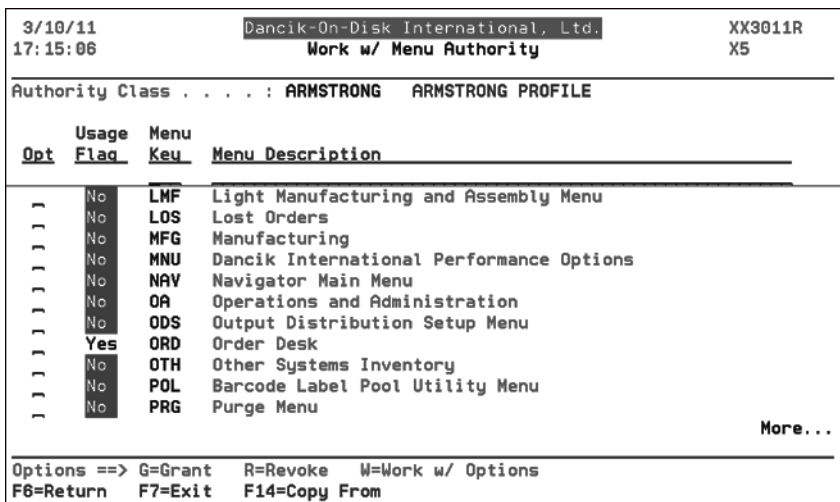
— Enter the class ID and the description.



3. Press **F6** to return to the initial menu and use option “W” to grant access to menus.



4. By default all menus are marked as No. Leave them all at “No” except for the ORD and INQ menus. Grant access to this menu by entering **G** in the **Opt** field. The Usage Flag will change from No to Yes.



- Use the “W” option to select the parts of the ORD and INQ menus you want Armstrong to access.

3/10/11 17:15:06	Dancik-On-Disk International, Ltd. Work w/ Menu Authority	XX3011R X5
Authority Class : ARMSTRONG ARMSTRONG PROFILE		
<u>Opt</u>	<u>Usage Flag</u>	<u>Menu Key</u> <u>Menu Description</u>
)	No	LMF Light Manufacturing and Assembly Menu
)	No	LOS Lost Orders
)	No	MFG Manufacturing
)	No	MNU Dancik International Performance Options
)	No	NAV Navigator Main Menu
)	No	OA Operations and Administration
)	No	ODS Output Distribution Setup Menu
)	Yes	ORD Order Desk
)	No	OTH Other Systems Inventory
)	No	POL Barcode Label Pool Utility Menu
)	No	PRG Purge Menu
More...		
Options ==> G=Grant R=Revoke W=Work w/ Options F6=Return F7=Exit F14=Copy From		

- By default all of the options are marked “N” for no access. Enter a **G** beside the options you want to grant access to.

These are the transactions from menu ORD that they will need:

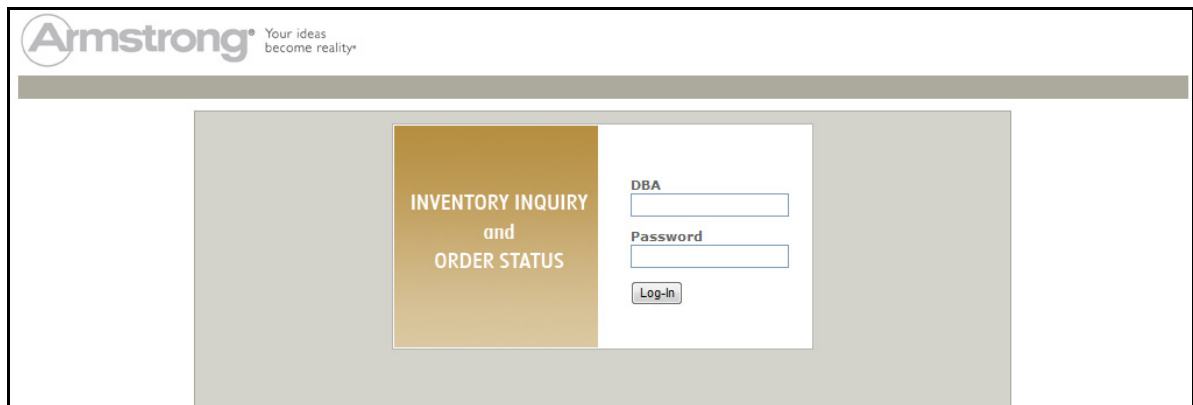
12/20/11 11:12:32	Dancik-On-Disk International, Ltd. Work w/ Menu Options Authority	XX3012R AA
Authority Class : ARMSTRONG ARMSTRONG PROFILE		
Menu : ORD Order Desk		
<u>Opt</u>	<u>Use Mnu Flg</u>	<u>Opt</u> <u>Short Description</u>
)	Y	1 Enter Orders
)	N	2 Print Order Edits
)	N	3 Print Order Quotations
)	N	4 Print Order Pick Lists & A
)	N	5 Void and/or Reinstate Toda
)	N	6 Print Order Registers
)	N	8 Quick Quoter
)	N	9 Customer Search
)	N	10 Item Search
)	Y	11 Open Order Inquiry/Search
)	N	12 Inventory Inquiry/Search.
)	N	13 Mfgr Search
)	N	14 Supplier Search
)	N	15 Shipto Search
)	N	16 Invoice Open Orders
)	Y	17 Search Unprocessed Orders
)	N	18 Duplicate Order Inquiry
)	N	19 Allocation Swapping
)	N	20 Shipping Charges by Zip/Po
)	N	101 Billto (Customer) File
)	N	102 Item File
)	N	103 Shipto File
More...		
Options ==> G=Grant R=Revoke F6=Return F7=Exit F13=Grant All F14=Copy From F15=Revoke All		

These are the transactions from menu INQ that they will need:

```

1/12/12          Dancik-On-Disk International, Ltd.          XX3012R
13:22:15          Work w/ Menu Options Authority           AA
-----
Authority Class . . . . : ARMSTRONG  ARMSTRONG PROFILE
Menu . . . . . : INQ  Inquiry Menu / Without Hotkeys (limited access)
-----
Use Mnu          Use Mnu
Opt Flg Opt Short Description          Opt Flg Opt Short Description
-----
) Y 1 Customer Search
) N 2 Customer (Billto) File
) N 3 Item Search
) N 4 Item File
) Y 5 Inventory Inquiry
) N 6 Order Inquiry
) N 7 Order and P.O. Status Upda
  
```

Notice that the item search screens have been taken away. The portal only allows inquiries on items for Armstrong manufacturers listed in the sales tape MFGR table in SET 5 (ARMMFGWTR) on the Distributor's system.



Note: The menu options for item search and inventory inquiry do not restrict users to the Armstrong suite of products.

Assigning the New Authority Class to Armstrong User IDs

1. Return to the initial Work w/User Authority screen (MNU 2) and use the “U” option to assign the new Authority Class to each Armstrong user ID.
2. Enter the ARMSTRONG authority class.

Note: It is important to leave the Initial Menu blank so that the personal menu can be used. Also, you are entering Y for "No access to Main Menu" so that later when you create a personal menu it will not default to the Main Menu.

```

1/11/12          Dancik-On-Disk International, Ltd.      XX3013RA
14:54:00          Work w/ User Authority                AA
-----
User . . . . . : ARM777                                U=Update
Authority Class . . . : ARMSTRONG ?
Initial Menu . . . . :      ?          ** PERSONAL MENU **
                                       Blanks indicates to use Personal Menu

Command Line Usage . . :    (Y)      Flag #06 . . . . . :    (Y)
Load Universal Opt . . :    (Y)      Flag #07 . . . . . :    (Y)
No Access To Main Menu : Y (Y)      Flag #08 . . . . . :    (Y)
Use R/F Style Menu . . . :    (Y)    Flag #09 . . . . . :    (Y)
Flag #05 . . . . . :    (Y)          Flag #10 . . . . . :    (Y)
-----
F6=Return  F7=Exit

```

3. The next step is to assign the Armstrong users to the new Dancik Menu System. Press F6 to return to the initial Work W/User Authority screen.
 - Use Option Z=CHGUSRPRF
4. On the Change User Profile screen, make the following entries.

```

Change User Profile (CHGUSRPRF)

Type choices, press Enter.

User profile . . . . . > ARM253      Name
User password . . . . . *SAME        Character value, *SAME, *NONE
Set password to expired . . . *NO      *SAME, *NO, *YES
Status . . . . . *ENABLED          *SAME, *ENABLED, *DISABLED
User class . . . . . *USER          *SAME, *USER, *SYSOPR...
Assistance level . . . . . *INTERMED *SAME, *SYSVAL, *BASIC...
Current library . . . . . QS36F      Name, *SAME, *CRTDFT
Initial program to call . . . DODOPE   Name, *SAME, *NONE
Library . . . . . *LIBL            Name, *LIBL, *CURLIB
Initial menu . . . . . NEWDOD       Name, *SAME, *SIGNOFF
Library . . . . . *LIBL            Name, *LIBL, *CURLIB
Limit capabilities . . . . . *NO      *SAME, *NO, *PARTIAL, *YES
Text 'description' . . . . . 'ARM253 (GENERIC USER) CRA ORDER DESK MENU'

-----
Bottom
F3=Exit  F4=Prompt  F5=Refresh  F10=Additional parameters  F12=Cancel
F13=How to use this display  F24=More keys

```

Creating a Personal Menu

To do this you will need to create the menu for 1 user while logged on as that user. Later you will copy this menu to all of your Armstrong users. The user that you are creating the menu for has to be setup to use the new menu system.

From any menu hit F5. If the pink bar at the top of the screen says DEFAULT MENU - *ALL ACCESS then hit F5 again. Now the pink bar should say PERSONAL MENU . To add menu/options enter the menu and option but do not hit enter. Instead of hitting enter hit the F1 key. This will add that menu/option to the personal menu. If there are any menu/options showing other than the ones for Armstrong enter that menu/option and hit F4.

This is what the ARM user will see when they logon -

```
1/12/12          DANCIC INTERNATIONAL, LTD.          ARM777
13:23:01          PERSONAL MENU                      SAL
                                                         R2011
Menu / Option Descriptions      Menu / Option Descriptions
INQ Inquiry Menu / Without Hotkeys (1
  1 Customer Search
  5 Inventory Inquiry

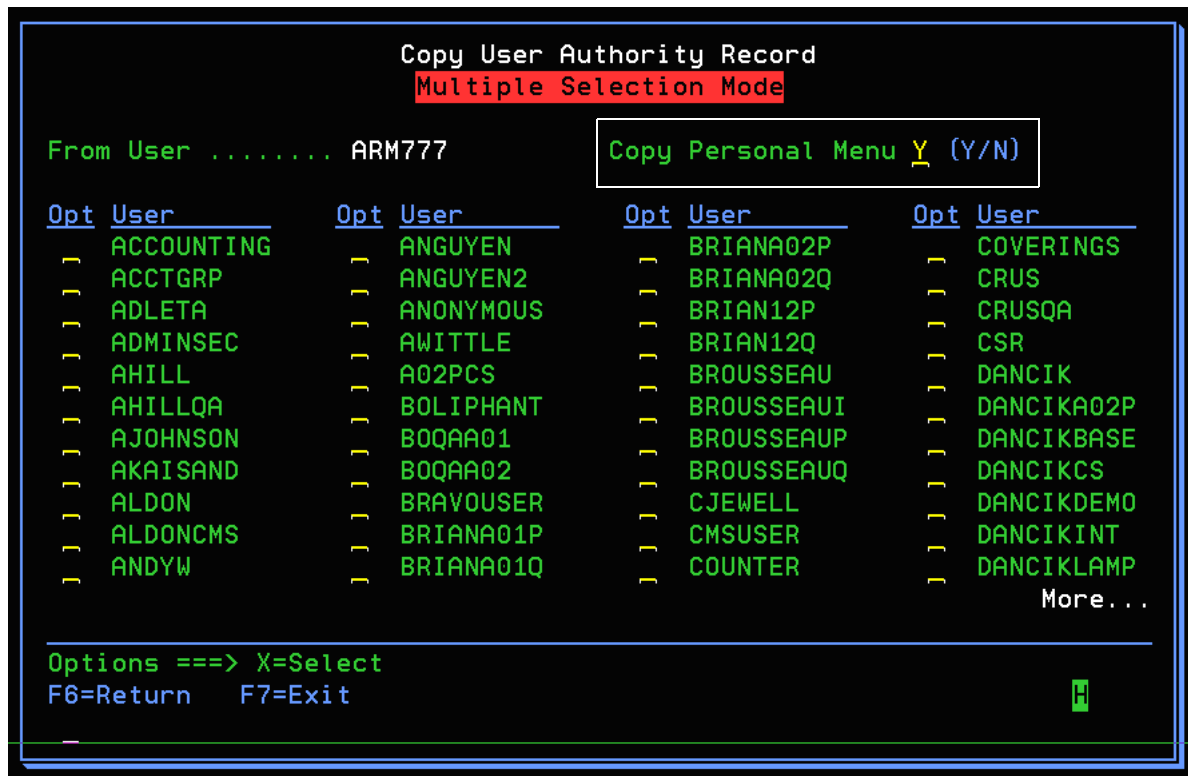
ORD Order Desk
  1 Enter Orders
  11 Open Order Inquiry/Search
  17 Search Unprocessed Orders

999 Signoff
```

Copying User Setup to All Armstrong Users

Now that you have a user setup, you can copy the setup to all of the other Armstrong IDs.

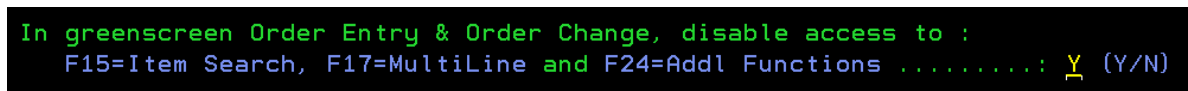
1. Go into MNU 2 and enter a C beside of the user to copy.
2. On the next screen make sure "Copy Personal Menu" is Y.
3. Put an X beside of every profile to copy to.



Turning off the ability to perform item searches at the User Level

A setting on the 3rd screen of the Master Control User File (menu option SET 32) allows you to restrict item searches on a per user basis.

1. Access the Master Control User File via menu option SET 32
2. Select a user to update by entering a “U” in the appropriate Opt column.
3. F11 twice to the 3rd screen.
4. At the bottom of the screen, enter a “Y” in the following field.



Controlling Data Access via a Business Entity

The Business Entity File allows you to define a “business” as being any combination of companies, branches, and cost centers. The main purpose of the business entities concept, is to serve as a parameter set for various reports. Business Entities are created based on the following entities:

- Companies

Overview

- Branches
- Cost centers
- Warehouses
- Combo codes
- Manufacturer

Note: Users are assigned to a Business Entity through the Limit to Business Entity field on the first page of settings of the Master Control User File (SET 32).

The following steps demonstrate using a business entity to limit a user to a specific manufacturer.

1. Access the Business Entity File through menu option FIL 50 and select a existing business entity or press **F1** to create a new one. In this example, we are working with the business entity ARMS (Armstrong Security).
2. The Manufacturer is located on the second page of settings (Press F11).

10/27/11	Business Entities File Maintenance	BU3000MA
9:57:45		DD
Business Entity Code.....: ARMS		Update
Business Entity Description: <u>ARMSTRONG SECURITY</u>		
Include/Omit <u>I</u> (I/O) Manufacturer: <u>ARM</u>		

In the above example, users assigned to Business Entity ARMS would only be able to access information about manufacturer ARM.

Note: The Performance Measures Table (accessed via menu option SET 5) lists the available Armstrong manufacturer codes. The list of manufacturers can vary from Distributor to Distributor.

Restricting a user to a specific manufacturers imposes restrictions on the following areas of the system:

- Inventory Reports
 - Print Stock Status Reports (menu option RIV 4)
 - Print Stock Activity Reports (RIV 5)
 - Item Analysis Report -Stock/Sales (RIV 115)
- X by Y Reports (Menu options RSA 201-212)
- Open Order Reports (ROO 1-18)
- Four Way Sales and GP Analysis (RSA 19)
- PO Landed Cost Forecast Report (RPO 13)
- Inventory Receipts Analysis Reports (RPO 14)

- Order Entry (CUS 1)

```

ACCOUNT# 201000   HARBOR FLOOR CENTER (RALEIGH)   A   REFERENCE# 1046377

ERROR# "0!" / MANUFACTURER NOT VALID FOR THIS USER!
THIS MANUFACTURER IS NOT IN USER'S BUSINESS ENTITY!

Line Ware Mfgr/Color/Pattern/Lot#      Qty      U/M      Price..      Cost..
0010 RAL   SAI 1090 0                      1.00     CT

L# R  Serial#  Loc  Recv? Restk% C/C Ship-Dt      ..extend..  ..extend..  D
      15      102711

F1=Review. F3=S/Ns. F4=Delete. F5=Stk Card. F6=Misc. F7=E0J. F23=Other Keys.
    
```

- Order Inquiry (CUS 10)

```

ORDER FILE SEARCH & INQUIRY

DANCIK INTERNATIONAL, LTD.

Search by ORDER#..... _____
Search by ORDER REF#... _____
Search by ACCOUNT#.... _ _____
Search by ITEM#..... SAI 1090 0 _____
Search by CUST P.O.#... _____
Search by JOB NAME.... _____
Search by MESSAGE.... _____
Search by CUST NAME... _____

Date / From: 92711 To: 22222
Warehouse .... Supplier: .....
Open Orders Only?...Y/N Y
Order Type/Status.....
View#..... 2

ERROR# "0!" / MANUFACTURER NOT VALID FOR THIS USER!
THIS MANUFACTURER IS NOT IN USER'S BUSINESS ENTITY!

F1=Retail Customer File.
F6=Change/Cancel. F7=E0J. F9=Display Credit Holds. F10=Print/Cash Options.
F12=Shipping Data/Status. F13=Customer Search. F24=Utilities.
    
```

Note: If the Order Inquiry is performed by a parameter that does not include the manufacturer (i.e. Order number or Account) the order will display as long as the user is not restricted by company or branch. The Manufacturer restriction allows the order to display but disables any hotkeys that relate to Inventory such as Inventory Inquiry.

Overview

- Order Change - Lines for a manufacturer that included in the Business Entity cannot be changed.

ACCOUNT# 201000	HARBOR FLOOR CENTER (RALEIGH)	A	ORDER# 406206						
<< UPD ** >>									
ERROR# "0!" / MANUFACTURER NOT VALID FOR THIS USER! THIS MANUFACTURER IS NOT IN USER'S BUSINESS ENTITY!									
<u>Line</u>	<u>Ware</u>	<u>Mfgr/Color/Pattern/Lot#</u>	<u>Qty</u>	<u>U/M</u>	<u>Price</u>	<u>Cost</u>			
0010	NYC	SAI 1091 0	110.00	SF	5.490	1.560			
<u>L#</u>	<u>R</u>	<u>Serial#</u>	<u>Loc</u>	<u>Recv?</u>	<u>Restk% C/C</u>	<u>Ship-Dt</u>	<u>extend</u>	<u>extend</u>	<u>C/U/A</u>
		A7	123	I T		110111 R LP	549.00	156.00	
ORDER CHANGES									
F1=Review. F3=S/Ns. F4=Cancel. F5=Stk Card. F6=Misc. F7=E0J. F23=Other Keys.									

- Inventory Inquiry (INV 1)

INVENTORY INQUIRY										
* Enter an item# & warehouse# to see the detailed "stock card" screen for the item at that warehouse.										
* Enter an item# without a warehouse# to see the summarized status of the item at all warehouses.										
* Enter a portion of an item# & the system will search accordingly.										
* Enter a date to limit the detailed screen to transactions that occurred on or after that date.										
* Enter a line# to display additional information about a transaction if a line# (L#) appears with the transaction on the screen.										
* Enter a U/M to convert quantities. Use function keys for add'l functions.										
ERROR# "0!" / MANUFACTURER NOT VALID FOR THIS USER! THIS MANUFACTURER IS NOT IN USER'S BUSINESS ENTITY!										
<u>MFGR</u>	<u>COLOR</u>	<u>PATTERN</u>	<u>LOT#</u>	<u>WARE</u>	<u>SERIAL#</u>	<u>LOC</u>	<u>Date/MMDDYY</u>	<u>UM</u>	<u>Tp</u>	<u>Line#</u>
SAI	1090	0		RAL			92711			
F1=Other Ware. F2=Search. F3=S/N. F5=Notes. F9=Schd. F10=SKU. F11=Back. F12=P/K.										

- Quick Quoter (CUS 8)

<< QUICK QUOTER >>

* Enter an account# or a customer price list#. If you enter an account#, the program finds the customer's price list# for that item, and calculates the customer's price (including any active promotional prices).

* Enter an item#, a quantity, and a unit-of-measure (U/M). The unit price, extended price, availability and conversions will be displayed. You may also enter a transaction type (TT) or restriction code (R) for specific pricing. (Refer to classification codes file for a list of these codes)

* Press F3 to display inventory by serial#, and F9 to display future stock, including all purchase orders and back orders.

* Press F10 to display prices for any customer/item combination, including a display of all price levels.

ERROR# "0!" / MANUFACTURER NOT VALID FOR THIS USER!

ACCOUNT#	PRICE-LIST#	MFGR-COLOR-PATTERN	QTY	U/M	TT/R
201000	LP	SAI 1090 0	1	00	
F3=Serial#s. F7=EOJ. F8=Restart. F9=PO+BO. F10=All Prices.					

- Invoice Inquiry (IVC 8) - Invoice information is displayed as long as the user is not restricted from the order by company and/or branch. Order lines that have a manufacturer restriction will not be able to access any functions relating to Inventory such as Inventory Inquiry (F22).

I N V O I C E F I L E 616-927-6000

Billed To:	Shipped To:	Inv# : 005672
A & A CERAMICS, INC.	A & A CERAMICS, INC.	Acct# : 000100
1300 MALL DRIVE	1300 MALL DRIVE	Slmn#s:
		Ware# : NYC
BENTON HARBOR	MI 49022 BENTON HARBOR	MI 49022 Branch: NYC

Inv-Date	Ship-Date	Ship Via	FOB	Cust P.O.# / Job	Prc-List	H.Chg/Disc
7/07/11	7/07/11	WC	W	FROM CO#2	LP	5.00 % L

Line	Item#	Description	S/N#	Location
0010	REXECBR12	ECHO CANYON BRYCE 12X12	703101	FRAL
		YELLOW 703101 V4		

Qty Ordered..... 30.00 SF
 Qty Shipped..... 30.00
 Qty Back Ordered..... .00
 Back Order Code..... 1 SHIPPED IN FULL

Unit Price \$	6.040	Fund Contr	.00	Ext Price	181.20	Slmn
Unit Cost \$	5.280	Cost Allow	.070-	Ext Cost	158.40	Ware NYC
Order#.....	36642	Pricing Method/List#	R TAB#00	Order Date	7/06/11	GP%
						12.58

ENTER LINE# TO SEE MORE DETAILS: ..,10 (0000=display all lines) F2=Cost Drv
 Enter=Forward. F7=EOJ. F8=1st Screen. F12=Manifest & B/L#s. F5=Notepad

If the F22 function (shift + F10) is pressed on the Invoice Inquiry screen shown above, the Inventory Inquiry screen appears with the item number inserted. However, when enter is pressed an error message appears.

INVENTORY INQUIRY

- * Enter an item# & warehouse# to see the detailed "stock card" screen for the item at that warehouse.
- * Enter an item# without a warehouse# to see the summarized status of the item at all warehouses.
- * Enter a portion of an item# & the system will search accordingly.
- * Enter a date to limit the detailed screen to transactions that occurred on or after that date.
- * Enter a line# to display additional information about a transaction if a line# (L#) appears with the transaction on the screen.
- * Enter a U/M to convert quantities. Use function keys for add'l functions.

ERROR# "0!" / MANUFACTURER NOT VALID FOR THIS USER!
THIS MANUFACTURER IS NOT IN USER'S BUSINESS ENTITY!

MFGR	COLOR	PATTERN	LOT#	WARE	SERIAL#	LOC	Date/MMDDYY	UM	TP	Line#
REX	ECBR	12		RAL			92711			

F1=Other Ware. F2=Search. F3=S/N. F5=Notes. F9=Sched. F10=SKU. F11=Back. F12=P/K.

Restricting Order Entry/Order Change Function Keys

Armstrong users need access to the ORD menu to be able to change orders. However, by activating one setting on the Control File Maintenance Program (SET 32) you can disable the following function keys in Order Entry and Order Change.

1. Access the Master Control User File (menu option SET 32) and proceed to the third screen of settings.

2. The setting that controls access to the Function Keys is located at the bottom of the screen.

```

11/17/11          Control User File Maintenance          FM3010MA
 9:46:50          DD
User .....: MBAYER          Change
Full Name .....:
ODS Dft - Email Address ...:

ODS Fax/Email Acknowledgements Option .....: 3 (1,2,3)
(1=Always Ask, 2=Ask if Customer has Fax/Email, 3=Never Ask)

Billto/Shipto File Updates:
----- User can update basic information (contact info) ....: Y (Y/N)
----- User can update pricing information .....: Y (Y/N)
----- User can update credit & A/R information .....: Y (Y/N)
----- User can update logistics info (ware, trk rte, etc) ..: Y (Y/N)
----- User can update marketing info (slmn, mktg pgms) ....: Y (Y/N)

In Order Entry F2 (Item# Search) screen, only show the requested warehouse,
even when the warehouse matrix is activated .....: N (Y/N)

In greenscreen Order Entry & Order Change, disable access to :
F15=Item Search, F17=MultiLine and F24=Addl Functions .....: Y (Y/N)
    
```

3. If this setting is activated an a user tries to use any of the function keys, the following message displays.

```

ACCOUNT# 201000   HARBOR FLOOR CENTER (RALEIGH)   A   REFERENCE# 1046535
                << ADD ** >>

ERROR# "GV" / YOU ARE NOT AUTHORIZED TO ACCESS THIS FUNCTION

Line Ware Mfgr/Color/Pattern/Lot#   Qty   U/M   ....Price..   ....Cost..
0010 RAL

L# R Serial#   Loc   Recv? Restk% C/C Ship-Dt   ...extend..   ..extend..   D
      15      111711

F1=Review. F3=S/Ns. F4=Delete. F5=Stk Card. F6=Misc. F7=E0J. F23=Other Keys.
    
```


- “Configuration for Reverse POs” on page 2-1
- “Configuration for Outbound POs and Directs” on page 2-4
- “Configuration for Inbound Order Acknowledgements” on page 2-7
- “Configuration for Inbound Invoices” on page 2-20
- “Configuration for Inbound ASNs” on page 2-25

Configuration for Reverse POs

CMI (Co-Managed Inventory)

Reverse POs are sent only to distributors who are servicing RDC customers. Armstrong creates a replenishment type order in their system then transmits the order to the Distributor in an rpo855 EDI transaction. A purchase order is created on the Distributor's system. Automatically a Purchase Order Change request (860) is created and sent back to Armstrong.

That transaction updates the order in Armstrong's system with the Distributor's order number and date so it can then be processed as if it were a regular replenishment order from the Distributor.

To Provide Armstrong with necessary information for calculation of Reverse PO, Inventory quantities and PO information is sent to Armstrong on a regular basis.

SET 5 Tables:

- **ARMRPOSUP** - This table cross references part of the PO number sent on the RPO855 to a supplier. The purchase order will be created for this supplier.

For example, the following 2 segments in the rpo855 would cross reference Shee043 to a supplier code in this table. REF02 || N104

— REF*PRT*Shee^

— N1*ST*Ohio Valley Flooring*92*043^

```

INQUIRE                System Cross Reference Table File Maintenance
Table Name:  ARMRPOSUP          Desc:  CMI REVERSE PO SUPPLIER XREF
Position To: _____        Comm:
  "From" Description:          "To" Description:      Allow Duplicate Values
  TYPE & WAREHOUSE            SUP / SHIP VIA / FOB   "From":  N   (Y/N)
                                           "To":    Y
  _____
  "From" Values:              "To" Values:
  Lami043                     ARM**W
  Othe043                     ARM**W
  Shee043                     ARM**W
  SHET043                     ARM**W
  Tile043                     ARM**W
  TILE043                     ARM**W
  
```

- **GENFOB** - cross reference

The “from” codes match the FOB code that will be found on the order. The “to” value will contain the code that is cross-referenced and placed in the REF02 element. This column should contain a two (2) character code such as “PP” or “CC”. These values equate to a value such as “COL” or “PPD” in the process. If the “to” value column contains more than just the two character values, then this will result in an invalid value in REF*ZZ.

```

INQUIRE                System Cross Reference Table File Maintenance
Table Name:  GENFOB            Desc:  GENERAL FOB CROSS REFERENCE
Position To: _____        Comm:  EDI SHIPMENT METHOD OF PAYMT
  "From" Description:          "To" Description:      Allow Duplicate Values
  FOB CODE                     COLLECT OR PREPAID   "From":  N   (Y/N)
                                           "To":    Y
  _____
  "From" Values:              "To" Values:
  *                             CC
  A                             PP
  B                             CC
  C                             CC
  D                             PP
  E                             CC
  W                             PP
  
```

Segment containing order number and date:

BCH*00*CP*936728***20110708μ

Armstrong sends the supplier item number that is on the Distributor's system.

- **WCBYWHSE** - This table assigns a will call code to locations that do not use the default will call code of "WC".

```

UPDATE                               System Cross Reference Table File Maintenance
Table Name:  WCBYWHSE                 Desc:  WILL CALL CODES BY WAREHOUSE
Position To: _____             Comm:  FOR SHIP VIA (& TRUCK ROUTE)
"From" Description:  _____      "To" Description:  _____      Allow Duplicate Values
  WAREHOUSE (3)      SHIP VIA (2) TRRT (2)      "From":  N      (Y/N)
                                          "To":    Y
"From" Values:  _____          "To" Values:  _____
  CLE            WC                CP
  IND            WI
  
```

- In the "From" value enter a warehouse code
- In the "To" value enter the shipvia code used for will call orders and if applicable the truck route associated with the ship via code.
- The Ship-via code should be left-justified in the "To" field and the truck route should be right-justified in the "To" field (if needed, the truck route can be omitted if not needed) and both ship via and truck route must be valid values found in the Classification Codes File.

Note: The WCBYWHSE table is not needed if the warehouse uses the default shipvia code of "WC".

Setting up Private Label Items

This only applies to sheet vinyl product.

Setup the crossover item per normal Dancik practice. The supplier item number will be unique for each item. For both items the supplier item number will be the part number minus the mfg code.

```

ITEM# ID0PINK0001      UPDATE      UPC 9192225757      ITEM FILE
Description:  PINK ITEM      INTERIOR DISTRIBUTORS
              PARENT TO ID0PINK0002      Checkstring: .....
Usual Supplier#  ID0      Inventory (Y/N/S):  Y Xref: .....
Price Class...  MANAD2 (F9) ...      Component (Y/N/K/D/R/S/F/L) S ISO Table# 0
Cost Class....  MANAD2 (F9) ...      Date Discontinued...      Replen Path ..
Packaging Class ID0999 (F10)      Suppliers' Item#...  PINK0001
  
```

```

ITEM# ID0PINK0002      UPDATE      UPC 5552143391      ITEM FILE
Description:  BLUE DEVI... EETROCK      INTERIOR DISTRIBUTORS
              CHILD TO ID0PINK0001      Checkstring: .....
Usual Supplier#  ID0      Inventory (Y/N/S):  Y Xref: ID0PINK0001
Price Class...  ID0LF1 (F9) ...      Component (Y/N/K/D/R/S/F/L) S ISO Table# 0
Cost Class....  ID0LF1 (F9) ...      Date Discontinued...      Replen Path ..
Packaging Class ID0999 (F10)      Suppliers' Item#...  PINK0002
  
```

Configuration for Outbound POs and Directs

Purchase Orders entered during the day can be transmitted automatically to Armstrong during night jobs. The night job program EXP850PO looks for orders entered today for supplier ARM.

When an order is sent, a record is written to EDIAUD. This is the file that is checked to make sure a PO is not sent twice.

Purchase Orders can be sent manually anytime with RDC 26.

```

AS2 - SET UP ARMS BATCH PO JOB (ARMRDCPO)

Type choices, press Enter.

Supplier . . . . . > ARM           Character value
Order# Range:
  From Order # . . . . . _____ 1-999999
  To Order # . . . . . _____ 1-999999
Data Source . . . . . > *TODAY     *HISTORY, *TODAY, *YESTERDAY
Create Data File . . . . . > *YES    *YES, *NO
Submit Job . . . . . > *YES       *YES, *NO
Re-send Order . . . . . > N        Y, N
Send Changed Order . . . . . > N    Y, N
    
```

An edit prints out which will show you if there were any issues with the order preventing it from being transmitted to Armstrong. To have this edit print under the user ID of the user running RDC 26 set up the ARMSPLF table with a “From” value as POEDITFLAG and “To” value as USER. Otherwise the default is to print user user ID SUPPORT.

```

INQUIRE           System Cross Reference Table File Maintenance

Table Name:  ARMSPLF           Desc:  ARMSTRONG RDC'S SPOOL FILE
Position To:           Comm:  USER OPTION
  "From" Description:  "To" Description:  Allow Duplicate Values
  REPORT TYPE         USER OR SUPPORT   "From":  N   (Y/N)
                                     "To":    Y

  "From" Values:      "To" Values:
  POEDITFLAG         USER
    
```

How to Setup a User in GENTRAN

1. From a command line type GENTRAN à [ENTER]
2. Take option 6 - Work with Environment Control [ENTER]
3. Press [ENTER] to get through the ***TRADE SECRET NOTICE***
4. Page down to user SUPPORT and put a '3' to copy à [ENTER]
5. Type in the UserID you want to create à [ENTER]
6. Type in the user's Last Name, First Name, and Initials à [ENTER]
7. On the next screen you may have other entries, but make sure that 'Processing – Subsystem' and Processing – Data' both have 1s. à [F10]

At this point the user is now setup as a GENTRAN user.

Configuration

- RDC 3: Item Cross Reference Table Maintenance Table is checked for the items on the PO.
 - If the item is in the table and the product class =2 then the supplier item number is prefixed with 'BP'.
 - If the product class is anything else the item is prefixed with 'FP'.
 - If the item is not in the table the supplier item number is prefixed with 'FP'.
 - Armstrong maintains RDC 3 in a nightly download.

Settings:

- RDC 34 RDC/Service Subcontractor System Setting
 - Tolerance settings are no longer used
 - Future Date Control for Replenishment P/O - Use this setting to set the Number of days the future date on Replenishment Purchase Orders cannot exceed.
 - RDC 1 cross reference warehouse from PO to RDC# for N104

SET 5 Tables:

- ARMCARRIER - maps a SCAC code to a shipvia. The SCAC code is sent in the TDS segment.
- xxxFOB - converts Dancik FOB codes to supplier's FOB
- GENFOB - xxxFOB overrides this table. If supplier is not found in xxxFOB then GENFOB is used.
- B2BCUST# - supplier ARM - Yes

Miscellaneous Set-up

- Items will be converted to the Supplier UOM that is set on the item file if your Supplier file has policy code SU.
- Parent/Child items - The supplier item number on both parent and child items will be the item number without the manufacturer. For example. If the parent item number is ARM11111 then the supplier item number is 11111. The same is true for the child. If the item number is ARM22222 then the supplier item number is 22222.

Purchase Order Message Functions

Certain key values can be entered at the beginning of F6 lines to trigger the data on the line to be sent in the 850. Without the key value the data is not sent.

Use message functions within Floor Vision purchase orders when communicating specific order and material details to Armstrong.

General Rules:

- When any of these functions are used on a message line following a detail line, (lines 0011-0019, 0021-0029, etc.) they apply only to that detail line.
- Detail-level functions always override header-level functions.
- All functions must be specified in the first position followed by one blank.

Message Codes:

- Job number (JOB#) - causes the 14 characters starting in position 6, to be used as the job number.
- Print on Manifest (M*) causes a flag to be set for the message to be printed on the manifest, starting in position 4. (Header option only).
- Must Include (MI*) - causes a flag to be set to include this line on the next shipment. (Detail only). (Header or Line option).
- Must Match (MM*) - sets the flag for a must match on shade/lot. MM* is used in conjunction with Shade* starting position 7 or Lot* starting in position 5. This will inform Armstrong, of the shade/lot that the Distributor wants. (Detail only).
- Price List # (P/L) - causes 5 characters, starting in position 5, to be sent as Price List. Please note a price list used at the header level, lines 0001-0009 will be sent to for all lines.
- Side Mark (S/M) - causes 30 characters, starting in position 5, to be sent as side mark messages. Side mark will be the Dealer name. Armstrong only accepts the first 13 characters.
- Near/No Less (NNL*) - causes the next seven characters starting in position 6 to be translated into a 7 position numeric value with 2 decimal positions. Use the decimal point to separate the 2 decimal points.

Example: 175.00 Always start in position 6 and place 2 values after the decimal point. (Detail only). Available for 6 foot rolls only, 150 square yards and over.

*** Please note: do not use UOM on NNL* message line ***

- Minimum Qty (MIN*) - causes the next seven characters starting in position 6 to be translated into a 7 position numeric value with 2 decimal positions. Use the decimal point to separate the 2 decimal points.

Example: 25.50 etc. Always start in position 6 and place 2 values after the decimal point. (Detail only). Available for 6 foot rolls only, under 150 square yards. Min* must be at least 30 Square Yards.

*** Please note: do not use UOM on MIN* message line ***

- Required Lot # (LOT*) - causes the next 5 characters starting in position 6 to be used as the lot number. Used in conjunction with MM* must match. Without the MM* this is only a suggestion forwarded to Armstrong.
- Required Shade (SHADE*) - will cause a single character in position 8 to be used as a shade code. Used in conjunction with MM* must match. Without the MM* this is only a suggestion forwarded to Armstrong.
- Exact Yardage (EXT*) - sets the cut flag = 'E' for Exact yardage. This informs Armstrong of the lines requirement that the quantity be exact. (Detail only). YOU DO NOT NEED TO PUT THE QUANTITY AFTER THE EXT*.

Required Message Combinations

If PO Message functions Minimum, Near-No-Less, or Exact are used a Side mark and job number are required. Otherwise the order will produce the following error and the order will not be sent to Armstrong.

Error message, **“DEALER NAME AND JOB# REQUIRED”**. **PROCESSING will STOP BECAUSE and JOB MUST BE RE-RUN.**

Configuration for Inbound Order Acknowledgements

Distributors send Armstrong Purchase Orders. Armstrong acknowledges these orders with an estimated delivery date and a status that tells how firm that date is via the EDI 855. Updates are sent throughout the life of the PO.

Days are added to Armstrong's date based on lead times and transit times set on the Distributor's system. This causes the ETA date on the Purchase Order to be as accurate as possible.

ARMSTRONG EDI PO STATUSES

Code Sent	Description	PO Status
AC	IN TRANSIT	T
AR	SCHEDULED	A
BP	BACKORDERED/DELAYED	D
CA	CANCELLED	D
DR	AVAIL IN FUTURE PRODUCTION SCHEDULE	F
IA	AVAILABLE IN INVENTORY	K
IB	BACKORDERED	D
ID	CANCELLED	D
IR	REJECTED	J
RC	RECEIVED	*
SP	PENDING	D
SS	SCHEDULED	A
T	IN TRANSIT	T
ZZ	AWAITING REVIEW FOR STATUS AND DATE	*
Qz	open status item	

Tables used to Determine ETA and ship dates

The ETA process uses the following tables in combination with the Armstrong statuses to determine ETA and ship dates on Armstrong Purchase Orders.

Note: The ETA and ship date calculation process skips weekends, so the days entered in the Plant-to-Warehouse (EB16) table for Transit time are to be Monday through Friday business days only. It is not necessary to change your Product Lead Time days.

Product lead time

These tables are intended to apply a lead time for a product when a PO line item has been placed with the manufacturer but no date has been provided from the manufacturer.

- Usage: When no material availability date is provided (IB, IR), ETA date = current date + lead time.
- Tables, from most specific to least specific:
 - Item Lead Time (FIL 2)

ITEM#	ARMA0120451	INQUIRY	UPC	ITEM FILE
Description:		NATURAL VISUALS TIMBER OAK		ARMSTRONG VINYL-LINO-LAMINATE
	4" X 36"	36SF	Checkstring:
Usual Supplier#	ARM	Inventory (Y/N/S):	N	Xref:
Price Class...	ARMNVP (F9)	Component (Y/N/K/D/R/S/F/L)	S	ISO Table# M
Cost Class...	ARMNVP (F9)	Date Discontinued...		Replen Path
Packaging Class	ARMNVP (F10)	Suppliers' Item#...	A0120451	
Product Line...	NVP	Policies.....	NB	
Class..... (1) ..	A3	Lead Time (in days).	Old=	Days
Class..... (2) ..	A8	Sequence#.....		Frnt Key
Class..... (3) ..		Item Width.....		
Trim Class.....		Define Remnant Size.		
Color Name.....	TIMBER OA	Cost Ctr: VIN	Frnt Class: 10	Tax?: Y
Pattern Name...	NATURAL V	Smallest U/M, Pick: CT	Sales: CT	Supp: CT
Wear Code.....		Order Entry U/M: CT	(blank=allow any U/M)	
Rating/ABC Code		Qty Break Group:	Multiplier:	
Commodity Level		Initials: T9	Sub-Serial:	Stg Code
UPC/Ctn	042369419611	UPC Code:		Item Scan Ovr
Comments		Last Change:	5/06/08	D/del

- Product/Warehouse Lead Time (FIL 12/F10)

```

PRODUCT LINE# ARM NVP          INQUIRY          PRODUCT LINE FILE
Manufacturer: ARMSTRONG VINYL-LINO-LAMINATE

Name Of Product Line: NATURAL VISUALS PLANK 4" X 36"
* Unit Of Measure...: CT

Is This Line Consignment On
Lead Time (in days)... 11
Order Frequency (days) 7

Days to Stock... 21 Days (
Reorder Point... 14 Days
Reorder Amount... 7 Days

Reorder/Buying Category: AR
Terms Cd: C or %,
Generate Unique Serial Numb
Unique S/N Prefix: Suffix

* NOTE: All items within th
unit of measure. Use the

Product Line Reorder Parms by Warehouse
For Product Line: ARM NVP

-- DAYS --      ----- DAYS -----
LEAD  ORDER  TO  REORDER  REORDR
WARE TIME  FREQ  STOCK  POINT  AMOUNT

F6=Return  ROLLUP/DOWN  H

F1=Next Rec.  F4=Sales.  F8=1st Screen.  F9=Inv/Value.  F12=Spc/Ins.  F5=Notepad
    
```

— Product Line Lead Time (FIL 12)

```

PRODUCT LINE# ARM NVP          INQUIRY          PRODUCT LINE FILE
Manufacturer: ARMSTRONG VINYL-LINO-LAMINATE

Name Of Product Line: NATURAL VISUALS PLANK 4" X 36"
* Unit Of Measure...: CT

Is This Line Consignment Only? (Y/N)
Lead Time (in days)... 11 ( 1.6 wks) (F10=By Warehouse)
Order Frequency (days) 7 ( 1.0 wks)

Days to Stock... 21 Days (days-to-stock X avg-daily-usage = qty-to-stock)
Reorder Point... 14 Days Safety Stock... 14 Days
Reorder Amount... 7 Days Targeted Turns.. 17.38

Reorder/Buying Category: ART Qty Lost (unfilled) MDT: .0
Terms Cd: C or %, Days. Direct Ship Terms Cd: C (if diff)
Generate Unique Serial Numbers? N (Y/N) Default Serial Number
Unique S/N Prefix: Suffix: Dflt/Uniq Ser# Qualifier D/del

* NOTE: All items within this product line should be convertible to this
unit of measure. Use the appropriate conversion factors in the ITEM file.
    
```

Transit lead time

These tables are intended to apply a transit (travel) time when the manufacturer has provided a date status for a PO line item but it has not yet been delivered.

Note: The data in this table is updated by Armstrong for all distributors. They will review the numbers periodically and adjust with a download to this table as needed.

- Usage: Always added to the date provided by Armstrong (IA, DR, AR, AC) as part of ETA date calculation.
- Tables, from most specific to least specific:
 - Plant/Warehouse Lead Time (EB 16)

```

7/01/11          EDI PLANT-TO-WHSE CROSS-REFERENCE          ED30001R
9:17:18          File Maintenance                          00
-----
  Opt  T/P  Plant  Name                               Ware  Deliv  Build
      Days  Days  Comments
-----
  -   ARM  P014  West Plains, MO                       CIN    1    5
  -   ARM  P016  Jackson, TN                           CIN    1    8
  -   ARM  P020  Beverly, WV                           CIN    1    4
  -   ARM  P090  DC-Dickson, TN                        CIN    1    4
  -   ARM  P118  Stillwater, OK                        CIN    2    4
  -   ARM  P157  Kankakee, IL                          CIN    1    3
  -   ARM  P158  Jackson, MS                           CIN    2    2
  -   ARM  P219  Witt, AR                               CIN    2   12
  -   ARM  P936  Lancaster (PA) Sheet Dis              CIN    2    4
  -   ARM  W003  The Givens Companies                   CIN    2    6
    
```

```

3/07/11          EDI PLANT-TO-WHSE CROSS-REFERENCE          ED30001MA
10:51:11         File Maintenance                          QPADEV0009
                                                    Change
Trading Partner....: ARM
Plant Id.....: P016 JACKSON, TN
Warehouse.....: CIN OHIO VALLEY / CINCINNATI WHS
Delivery Days.....: 4
Build Weight Days..:
Comments.....:
    
```

- Supplier Lead Time (FIL 3)

SUPPLIER# ARM	INQUIRY	SUPPLIER FILE
Name	ARMSTRONG WORLD INDUSTRIES	
Addr1	P.O. BOX 3001	
Addr2		
City	LANCASTER	
State	PA	Zip 17604 0000 Ctry
Phone#	... 717 396 2877	
Discontinue Date	000000	Paymt Terms 00000 % 000 Days
Default B/O (1=No,2=Yes)	2	Delivery Time (DAYS)... 002
Policy Codes	DU	Hold/Force#... 00
Default Cash Account	00000	Default Expense Acct#.. 14020
Default Discount Account	50021	INVENTORY-RESILIENT
Default A/P Account	20010	Default Exp Cost Center VIN
Auto-PO Sort Code	1	Default FOB Code... -
Supplier Type Code	- Group:	Fax#
Comments		OPEN A/P\$ 2156124.32
TOTAL PO'S THIS YEAR...	6,399	TOTAL PO'S LAST YEAR.... 7,504
Paid Yr-To-dt\$ 35090320.20	Paid Last Yr\$ 51314429.50
F1=Alt Address	F4=Dir Sales	F5=Notepad
F8=1st Screen	F9=Phone Numbers	F10=Template
		F6=Search
		F7=Exit
		F12=24-Month Analysis

Build weight time

The intent of this table is to be able to specify by plant the amount of time required on average to build weight to ship from the time material becomes available at the manufacturer. This factor can also be used to apply any additional time assessed to work a shipment from the time material becomes available.

- Usage: Added to the date provided by Armstrong when the status is IA or DR as part of the ETA date and Dancik system estimated ship date calculations.
- Tables, from most specific to least specific:
 - Plant/Warehouse Build Weight time (EB 16)

EDI Available To Promise (ATP)

This process has been implemented that can provide for faster updates and more accurate delivery dates on back ordered items. This enhancement is designed to benefit those distributors who receive PO status updates (EDI transaction 855) from their suppliers via EDI.

Backorder ETA Update (PUR 19) is an existing Dancik feature that lines up all customer back order lines against all incoming purchase orders, and reassigns line item back order dates (Ship Dt field) automatically based on priorities and order dates.

This process automatically runs a modified version of PUR19 for back-ordered lines for products when an EDI PO status update (855) is sent to distributors. In addition, when a new customer order is sent via EDI (850) and a line goes on backorder, like manually entered orders, ISO back order logic

will be executed to find the best estimated back order date. Before this functionality the backordered lines from inbound EDI orders bypassed the ISO logic.

The PO/POACK Process

1. Distributors send Armstrong purchase orders.
2. Armstrong acknowledges these orders with an 855 PO Acknowledgement that includes
 - the estimated delivery date
 - a status code. Armstrong sends 6 different statuses - 4 with a date and 2 with no date.

Sent	Dancik Code	Means
DR	F	= future date, planned future production date is sent
IA	K	= product available, availability date is sent
AR	A	= product is scheduled to be shipped, scheduled ship date is sent
AC	T	= product shipped, ship date is sent
IB	D	= product is back-ordered, no date is sent
IR	J	= product is rejected, no date is sent

- The manufacturing Plant (i.e. P157)
- Ship Date

Updates are sent throughout the life of the PO.

Set-up and Associated Files

Settings/Files that affect PO Status Update (Inbound 855 from Armstrong)

- **Data Area ATPXPUR19** (Dancik) - A new Data Area Flag controls the execution of the automated ATP process. If set to "Y" then an ATP date is be calculated and a message displayed.

System Table (SET 5) ARMMISCSET

INQUIRE		System Cross Reference Table File Maintenance	
Table Name:	ARMMISCSET	Desc:	ARMSTRONG MISC SETTINGS
Position To:		Comm:	- USE FOR GLOBAL FLAGS/OPTS
"From" Description:	FLAG/OPT NAME	"To" Description:	YES/NO/SETTING
		Allow Duplicate Values	"From": N (Y/N)
			"To": Y
"From" Values:		"To" Values:	
ATPAODUPDAUDIT		YES	
ATPBOETABOSTCHG		NO	
ATPBOETAWFAUDIT		YES	
ATPBOETXWFAUDIT		YES	
ATPINQSHOWSTS		YES	
ATPPOSTSBLKVPLT		YES	
ATPRDCONLY		YES	
ATP850USEDTS		NO	

- option ATPBOETABOSTCHG - If this flag is Yes the Armstrong PUR 19 process updates the regular line status code as well as the ATP status. If this flag is No then only the ATP status is updated.
- option ATPINQSHOWSTS - Flag this option to Yes if you want to see the ATP status's shown during Order Inquiry or Order Change.
- option ATPRDCONLY - This flag is checked for lines that are created as backorders. If YES, and the customer is an RDC/SSC customer, then we continue to use the Back order date returned from ISO. If the customer is not an RDC/SSC customer, the back order date from ISO is skipped and the detail line ship date will be the standard ship date. If NO, then we use the back order date from ISO.

Note: Accounts are designated as RDC/SSCs by entering an S in the Cust Type Code of the Billto File.*

- option ATPPOSTSBLKVPLT - If this flag is Yes then lines filled from Vplants will be treated like a backorder with no date sent so the PO line will get a status of D in addition, the ETA date will be 022222. Currently Armstrong doesn't have accurate dates for product filled from these plants. When that changes, then the recommendation is to change this flag to No so that these lines will be part of the ATP process.
- option ATP850USEDTS - If this flag is Yes, the customer routing days (days to ship) are added to the Ship Date for the line. If this flag is No, then the customer routing days are not added. Inter warehouse transfer times are always added. NOTE: This flag will not affect orders that are backorders or will call. Back orders and will call orders will never include the customer routing days to ship, but will always include the transfer times.
- option COMPREMITNOLDGROA - This setting lets you control remittances for items that are not found on the customer ledger.
 - YES - posts the amount remitted to the customer ledger as an on account (OA) transaction. The amount of the OA transaction will equal the amount of the check minus any discount taken out. The amount of the OA transaction is included in the Amount Applied to Invoices calculation on the RDC 33 (Cash Apply) report.

Configuration for Reverse POs

- NO - drops the remittance from the cash batch. The amount of the check is included in the “Amount not Applied to Invoices” calculation on the RDC 33 (Cash Apply) report.

— COMPREMITNOINVOA

- YES - allows the process to post remittance as OA when no invoice is found.
- NO - the amount drops from the cash edit when no invoice is found.

Troubleshooting Switches

— ATPAODUPDAUDIT

— Function: ARMORDDTA File update on manually entered order lines.

— Purpose: To control audit spoolfile printing. Order that was just processed. Shows you what lines were added to ARMORDDTA. Controls the audit report being produced. This is mostly for troubleshooting efforts.

— ATPBOETAWFAUDIT

— Function: Armstrong PUR 19 update of back order lines.

— Purpose: To control audit spoolfile printing. Workfile that drives Armstrong PUR 19 process. Shows the order lines that were just brought in on a po status update eligible for ATP. Controls the audit report being produced. This is mostly for troubleshooting efforts.

— ATPBOETXWFAUDIT

— Function: Armstrong PUR 19 update of back order lines - during Night Jobs.

— Purpose: To control audit spoolfile printing. Workfile that drives Armstrong PUR 19 process - extract built for NightJobs processing. Shows all open Purchase order lines that are eligible for ATP. Controls the audit report being produced.

Looking at the New ATP dates

Order Inquiry displays ATP status information at the line level for each back order.

1. Use menu option CUS 10 to access the Order File Search & Inquiry screen. Enter the order number and press **Enter**.

```

OPEN ORDER FILE SEARCH BY ORDER#
To: PROSOURCE OF PHOENIX CCA 3767 EAST BROADWAY PHOENIX AZ 85040 PHOENIX AZ 85040
Ship To: PROSOURCE OF PHOENIX CCA 3767 EAST BROADWAY PHOENIX AZ 85040
Order#: 777634
Acct#: 044303
Slmn#:
Ware#: CIN
Branch: CIN
Order-Dt Entered Dt-Req Shp-Via/F Cust P.O.# / Job Prc ETA OH/Stat
5/20/11 5/20/11 2/22/22 WC ATP14R10R 1005102539 LP 5
Line Item# Description Qty Ext-Price
* This Order Has Not Yet Been Printed As A Pick List *
0001 S/M
0002 W* WILL CALL
0010 ARM57505031 IMPERIAL TEXTURE ROSE HIP .00 CT cancelled #
0020 ARM51934031 IMPERIAL TEXTURE LAVENDER SHA 64.00 CT 2616.96 B
0030 ARM57505031 IMPERIAL TEXTURE ROSE HIP 15.00 CT 613.35 0
S/N: 1
0040 ARM57505031 IMPERIAL TEXTURE ROSE HIP 32.00 CT 1308.48 B

End Of Order Stk: .00 Tax: .00 Total: 4,538.79

ENTER LINE# TO SEE MORE DETAILS: _ _ _ _
Enter=Forward. F6=Change/Canc. F8=1st Scrn. F10=Print. F12=Shpg. F5=Notepad
    
```

2. Enter a line item in field in at the bottom of the screen to display the line details. The ATP status and ship date are circled.

```

OPEN ORDER FILE SEARCH BY ORDER#
To: PROSOURCE OF PHOENIX CCA 3767 EAST BROADWAY PHOENIX AZ 85040 PHOENIX AZ 85040
Ship To: PROSOURCE OF PHOENIX CCA 3767 EAST BROADWAY PHOENIX AZ 85040
Order#: 777634
Acct#: 044303
Slmn#:
Ware#: CIN
Branch: CIN
Order-Dt Entered Dt-Req Shp-Via/F Cust P.O.# / Job Prc ETA OH/Stat
5/20/11 5/20/11 2/22/22 WC ATP14R10R 1005102539 LP 5
Line Item# Description S/N# Location
0020 ARM51934031 IMPERIAL TEXTURE LAVENDER SHAD
EXCELON TILE 1/8" SHADE

Qty Ordered..... 64.00 CT
Qty Shipped..... .00
Qty Open..... 64.00
Back Order Code.....

ATP: Future Schedule Date
OPEN BACK ORDER Status = B

Unit Price $ 40.890 Fund Contr .00 Ext Price 2616.96 Slmn
Unit Cost $ 34.700 Cost Allow .000 Ext Cost 2220.80 Ware CIN
Order Ref#.. 5082056 Pricing Method/List# R LP Ship Dt 5/27/11
GP% 15.14

ENTER LINE# OR "0000" FOR ALL... 20
Enter=Forward. F6=Change/Canc. F8=1st Scrn. F10=Print. F12=Shpg. F5=Notepad
    
```

The Ship Date reflects the most updated information provided by the supplier and is the date you should reasonably expect the material to be received into to your warehouse.

Note: The option ATPINQSHOWSTS on Table ARMMISCSET has to be activated for the ATP message, usually pink in color, to display on the order.

Configuration for Reverse POs

The ATP Status messages are based on the line item status of the Purchase Order line that could potentially fill the back order. The ATP codes/messages are:

- A ATP: Available, In Shipment
- D ATP: PO placed, No Date Provided
- F ATP: Future Schedule Date
- K ATP: Available, Not in Shipment
- L ATP: Date based on Lead Time
- O ATP: PO placed, No Date Provided
- T ATP: Available, Shipped
- J ATP: PO placed, Pending update

Error Message

Error message - * DETAIL ERROR *** NO ORDER DETAIL FOUND FOR THIS ITEM**

Description - Part of the item validation is to search the item master by supplier item number. Make sure you don't have 2 item numbers with the same supplier item number. It will use the first one unless it is marked as deleted. If the first one is dropped you can get this error.

Manually Entered Orders/Order Lines

The new ISO setting (Use PO ETA date if > lead time) and options on table ARMMISCSET also apply to manually entered orders/order lines.

- **ISO Rules - Use PO ETA date if > lead time** - Without this setting the date returned would be the lesser of the ETA date and lead time date. This flag allows you to decide which you want. However, it was determined that for the Armstrong process it should always be the PO ETA date and therefore for Armstrong this is always assumed Yes
- Option ATPRDONLY on table ARMMISCSET - The Print order job will write manually entered orders to the acknowledgment table (ARMORDDTA) so that an ATP date from a PO being acknowledged can be recorded. The status in this table controls the verbiage for the ATP date in order inquiry. If this flag is Yes and the sales order is not for an RDC/SSC customer then the sales order is skipped and processing ends. If this flag is NO, then the order is processed for lines missing from the file.

Summary for ATPRDONLY switch:

Process	Data Area: ATXPUR19 Master switch	Table: ARMMISCSET ATPRDCONLY	Impact
Back Order ETA update (PUR19)	N		Do not execute Armstrong PUR19
	Y	Y	Update ATP dates for RDC/SSC customers only Only Armstrong items will be on these orders
	Y	N	Update ATP dates for all customers – will only affect Armstrong products Based on 855 <u>Gentran</u> updates, which is an Armstrong only process
Backorder date determination in EDI order entry	N		Do not use ISO backorder date
	Y	Y	Use ISO backorder date for RDC/SSC only Only Armstrong items will be on these orders
	Y	N	Use ISO backorder date for all customers – will only affect Armstrong products Based on 850 <u>Gentran</u> order creation, which is an Armstrong only process
Manual line update (ARMORDDTA)	N		Do not add lines to ARMORDDTA file for status tracking
	Y	Y	Lines added to ARMORDDTA file for RDC/SSC customer only Only Armstrong items will be on these orders
	Y	N	Lines added to ARMORDDTA file for all customers Armstrong products only – verified against PERFMEAMFG.

Note: ATP statuses do not display on manually entered orders until an 855 is received that has the updated status. The ship date is valid there just isn't an ATP status. In the near future, ATP statuses can also be updated by night jobs.

Backorders

If you allow backorders to be filled from a warehouse other than the header warehouse on the customer back order then it is important that you either have System Setting (SET 4) Options for Automatic Back Order Date Changes for EDI set up OR you have the Stocking Matrix (FIL 25) setup to reflect Global Warehouses.

- **SET 4 System Setting - Options for Automatic Back Order Date Changes for EDI**

- *Enter Global Warehouses:* - Purchase orders for these warehouses can be used to fill back orders for any other warehouse. For example, you can enter the code for a warehouse that acts as a distribution center. Purchase orders and production schedules for all other warehouses only apply to back orders for the same warehouse.
- *Activate automatic back order date changes via Night Jobs?* - If this option is set to Y, the Back Order ETA Update (Armstrong PUR19) will run once at the end of Night Jobs to evaluate ALL open Purchase Orders against open back order lines.

This ensures that the most current ATP information is updated on all back order lines, especially ones that may have been entered manually and have not yet received a PO Status update.

Which back order lines are updated is dependent on the ATPRDONLY table setting.

- Stocking Matrix File (FIL 25)
 - The Stocking Matrix is used only in Order creation/change processes that call ISO.
 - ISO retrieves the replenishment warehouse from the Stocking Matrix, if active, and passes it to the Back Order Date program. If no Stocking Matrix is found for the back ordered item, it uses the detail warehouse.
 - The Back Order Date program returns the ETA date and PO status of the Purchase Order that may be used to fill the back order.

Running Standard PUR 19

If standard PUR19 is run, changes were made to ensure that updates outside of the Armstrong process do not affect the dates and statuses set by the Armstrong process.

Changes are centered on the RDC Only flag and the Performance Measure Manufacturer system xref table (PERFMEAMFG).

The following bullets the relationship between ATP settings, standard PUR19 and Armstrong PUR19.

- If the Armstrong PUR19 master switch is off,
 - Then PUR19 can run for all orders with Armstrong product.
 - Armstrong PUR19 is not updating anything.
- If the Armstrong PUR19 master switch is on and the RDC Only switch is on,
 - Then PUR19 can update all orders with Armstrong product except those for RDC/S* customers.
 - Armstrong PUR19 is updating RDC/S* customer orders.
- If the Armstrong PUR19 master switch is on and the RDC Only switch is off,
 - Then PUR19 should not update any orders with Armstrong product.
 - Armstrong PUR19 is updating all backorders for Armstrong product.

Back Order Status Change Report

This report captures all ATP dates on back ordered lines for Armstrong products on each distributor's system at the end of each day, then compares those dates to the ATP dates from the prior day. If the date has changed, the old and new dates are displayed on the report for comparison.

This report is automatically run during night jobs.

Activation and Set-up

The Set-up and Activation for this report is done via the System Table ARMMISCSET (Armstrong Miscellaneous Settings).

Table Name: ARMMISCSET		Desc: ARMSTRONG MISC SETTINGS	
Position To: _____		Comm: - USE FOR GLOBAL FLAGS/OPTS	
"From" Description:	"To" Description:	Allow Duplicate Values	
FLAG/OPT NAME	YES/NO/SETTING	"From": N	(Y/N)
		"To": Y	
<u>"From" Values:</u>		<u>"To" Values:</u>	
PUR19RPTCSVOUTPUT	YES		
PUR19RPTDAYSOFFSET		0002	
PUR19RPTEXECUTE	YES		
RDD850AVLSHDTONLY	YES	(NOT USED)	
WCBYWAREHOUSE	YES		

Note: System Tables are accessed and maintained via Menu Option SET 5.

The three settings that effect the report are circled above:

- **PUR19RPTCSVOUTPUT** - Enter a “Yes” to direct the system to generate the report in a CSV format. The CSV report is placed in the following IFS directory */HOME/DANCIK/REPORTS/Daily BackOrder Date Changes.CSV*.
- **PUR19RPTDAYOFFSET** - This is the number of offset days in an order status change that triggers an order line to be included in the report. The default is 2 days which means that any variance in an order status less than 2 days will not be included on the report.
- **PUR19RPTCSVEXECUTE** - This setting directs the system to generate the report during night jobs. This setting has to be set to “Yes” to activate this functionality.

Sample Report

```

12/08/14 16:33
JRDIX
ARM PUR19 BACK ORDER DATE CHANGE REPORT
CHANGE IN BACK ORDER SHIP DAT >= 2 DAYS
-----
CUSTOMER NAME-----ORDER#/LINE--SHIP DT--ITEM#-----BACK ORDER  OLD BO  NEW BO  BO  BO
                    QUANTITY U/M--DATE-----DATE---BRANCH--WARE--INIT--CUSTOMER POS--
PROSOURCE OF CANTON (ARM/AMP) 386418/0030 12/08/14 BRUT73178      1.00 PC 12/29/14 12/26/14 CLE  CIN  ZZ  PUR19TEST
089809 330-452-7360          12/11/14 SN 3/4* GUNSTOCK 78*
                    S/M SIDEMARK
*** END OF REPORT ***

```

Viewing Spoolfiles

- To view spoolfiles created from inbound 855s, on a command line type the following:

WRKSPLF SELECT(SUPPORT *ALL *ALL ARM_PO_ACK)

- To view spoolfiles from the automatic ETA updates processes, on a command line type the following:

WRKSPLF SELECT(SUPPORT *ALL *ALL BO_ETA_UPD)

WRKSPLF SELECT(SUPPORT *ALL *ALL BO_WF_AUD)

WRKSPLF SELECT (*ALL *ALL *ALL BO_EX_AUD)

Configuration for Inbound Invoices

When invoices come in from Armstrong for POs sent by the distributor an AP edit is created on a table specified workstation. The batch is reviewed and posted by an Accounts Payable user.

The EDI control table controls whether or not the invoices are entered onto a workstation automatically or not. On a command line type EDICTL.

```

10/07/11          EDI CONTROL TABLE          DANC1K          16:59:37

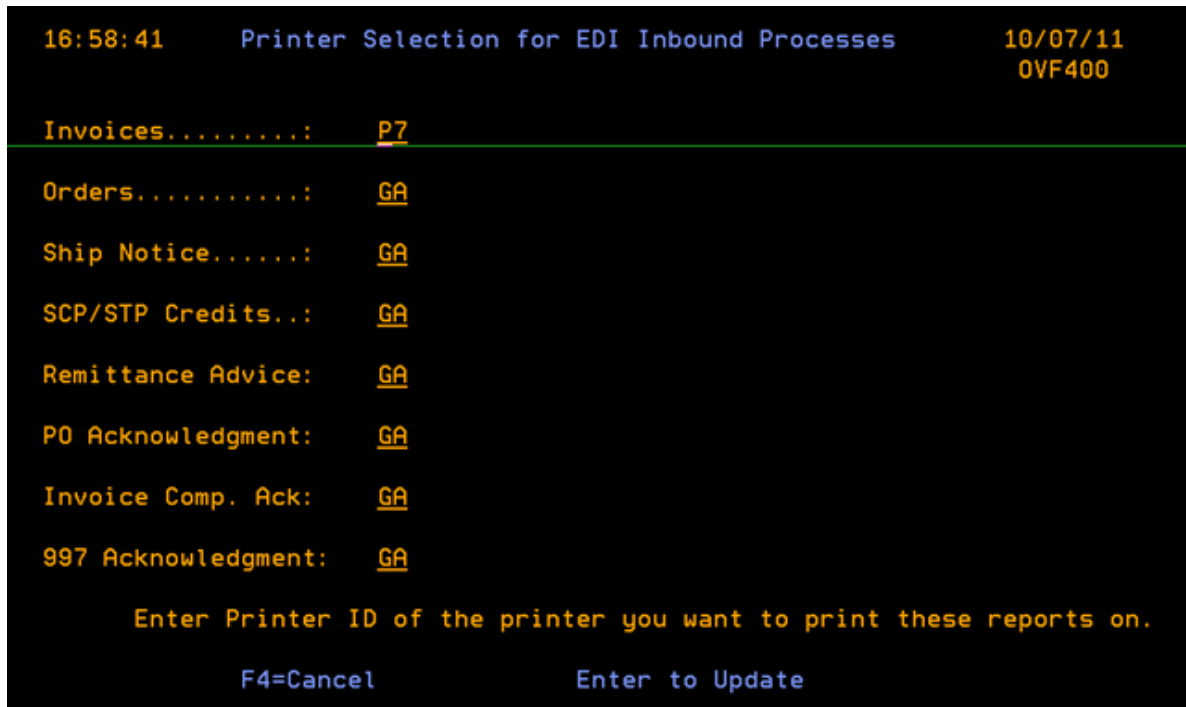
SEL  MANF  FORMAT  CUSTOMER NAME          Processing Opt      Reporting Opt
      (N/E/S/P)          (Y/N/1)
-----
)    AFF   850     CMS AFFORDABLE BEST    E                   1
)    ARB   REB     ARB REBATE CREDITS    P                   Y
)    ARB   856     ARMSTRONG CELING ASN  P                   Y
)    ARD   810     ARMSTRONG CREDITS     N                   1
)    ARI   856     INBOUND ASN           P                   Y
)    ARM   APO     REVERSE PO PHASE II  P                   Y
)    ARM   RPO     REVERSE PO CREATION  P                   Y
)    ARM   81C     ARMSTRONG SCP/STP    P                   Y
)    ARM   810     ARMSTRONG INVOICES    N                   1
)    ARM   855     ARMSTRONG PO ACK     N                   1
-----
Option: N-Report only. E-Pending. S-IS0 Select. P-Process.
Report: Y-print. N-Noprint. 1-1 PO/Invoice per page.
Select = "X" to work with additional controls

CLEAR MANF. TO DELETE          F7-E0J          Enter-To-Continue
  
```

Set the processing option for the 810 entry for MANF ARM to N if all you want are the printed invoices.

If you also want the invoices entered onto a workstation to be posted by an AP person then set the processing option to P. If you choose P as your processing option then the invoice will be written to the workstation defined in ARMAPDEF in SET 5 and a audit record is written to EDI810AUD.

The invoice edits will print to the OUTQ designated in this table accessed by typing EDIPRT on a command line.



Another way to find the reports is by entering following command on a command line:

```
WRKSPLF SELECT(SUPPORT *ALL *ALL EDI_810_AP)
```

There are 2 configuration tables used in this process.

SET 5:

- ARMAPDEF - For non-directs
- ARMAPDEFDR - For directs

It will start with ARMAPDEF. If the supplier for the product type you are on is not ARM then it will use that supplier code and look for an xxxAPDEF table to use defaults from where xxx = the supplier code in the ARMAPDEF.

For example, see supplier for WOOD below is AWD. Then it will look for a table called AWDAPDEF to get defaults from.

This is an example of the entries that you can setup in these files.

Configuration for Reverse POs

"From" Values:	"To" Values:
BANKCD	L
COMPANY	0
COST CENTER	VIN
COST CENTER CEILING	RDC
COST CENTER CERAMICS	VIN
COST CENTER ENERGY S	VIN
COST CENTER SHEET	VIN
COST CENTER TILE	VIN
COST CENTER WOOD	AWD
ENERGY SURCHARGE	50020
EXPENSE	14020
EXPENSE CEILING	14040
EXPENSE CERAMICS	14020
EXPENSE GRID	14040
EXPENSE INSULATION	14040
EXPENSE LAMINATE	14020
EXPENSE SAMPLES	14020
COST CENTER FREIGHT	VIN
COST CENTER GRID	RDC
EXPENSE SHEET	14020
EXPENSE TILE	14020
EXPENSE WOOD	AWD
FREIGHT	50022
FREIGHT DELIVERY	50022
FREIGHT HANDLING	50022
FUEL CHARGE	50022
SALES MATERIAL	50022
SUPPLIER	ARM
SUPPLIER CEILING	ARM
SUPPLIER CERAMICS	ARM
COST CENTER INSULATN	RDC
COST CENTER LAMINATE	VIN
COST CENTER SAMPLES	SAM
SUPPLIER GRID	ARM
SUPPLIER INSULATION	ARM
SUPPLIER LAMINATE	ARM
SUPPLIER SAMPLES	ARM
SUPPLIER SHEET	ARM
SUPPLIER TILE	ARM
SUPPLIER WOOD	AWD
TAX CHARGE	50022
VENDOR	ARM
WSID	ZZ
WSIDPO	ZZ

The SAC charges in the 810 from Armstrong are mapped to GL accounts in these tables. The qualifiers are mapped to the text in your table. For example, C650 maps to ENERGY SURCHARGE.

B800 is different since it is material. When a B800 is passed it looks back in the 810 at the code that is passed in the REF*1X. In the example below Armstrong passed a U for this credit memo. See in table below that a U cross references to RETURNS CREDIT. Since this entry doesn't exist in ARMAPDEF it defaults to the Freight GL.

The best practice would be to create each entry even if they all point to the same GL Account.

REF*1X*U^

SAC*A*C650***6869*****EC^
 SAC*C*D440***27475*****DISCOUNT^
 SAC*N*C300***Z*2*****CD^
 SAC*A*B800***1373760*****MATL^

MATERIAL CREDIT	P	
STP CREDIT	Y	
SCP CREDIT	X	
MODEL HOMES CREDIT	H	
RETURNS CREDIT	U	<-----
REBATE CREDIT	R	
SHIPPING CREDIT	S	
BILLING CREDIT	B	

Assigning a Branch

The program uses locations from the N1-N4 values from the 810 and an SET 5 table to assign the branch.

xxxAPBRAN table - first three determined from customer id on EDI workfile.

1. Tries to use name from N101(ST -Shipto).
2. Tries to use city from N401.
3. Tries to use name from N101(ST)
4. Tries to use name from N101(BT -Billto)
5. Tries to use name from N101(DL -Dealer)

Configuration for Reverse POs

INQUIRE		System Cross Reference Table File Maintenance	
Table Name:	ARDAPBRAN	Desc:	ARMSTRONG BRANCH CONVERSION
Position To:		Comm:	
"From" Description:	BRANCH CITY	"To" Description:	BRANCH
		Allow Duplicate Values	"From": N (Y/N)
			"To": Y
"From" Values:		"To" Values:	
ATLANTA		ATL	
COLUMBIA		COL	
GLEN BURNIE		BAL	
GOLDSBORO		GOL	
J.J. HAINES, GLEN BU		BAL	
J.J. HAINES, GLENBUR		BAL	
J.J. HAINES, GLEN BUR		BAL	
J.J.HAINES, GLEN BUR		BAL	
OAKS		OAK	
ORLANDO		ORL	
RICHMOND		RIC	
WYTHEVILLE		WYT	

N1*BT*GLEN BURNIE^

N1*SD*GLEN BURNIE^

N1*ST*J J HAINES & CO INC^

N3*6950 Aviation Boulevard^

N4*GLEN BURNIE*MD*210612531^

N1*CC*FORTY WEST BLDRS/LEGACY FARMS #14^

N3*1121 WILD GOOSE COURT^

N4*WESTMINSTER*MD*21157^

N1*SE*C B FLOORING LLC*91*9WXF^

N3*9515 GERWIG LN STE 130^

N4*COLUMBIA*MD*21046^

First tries to resolve branch by 'J J HAINES & CO INC': N1*ST*J J HAINES & CO INC^

Does not find it in the table.

Next tries to resolve branch by N401 - I don't believe this is linked to any type (ST,BT, etc). I think it's the last N401 read.

In this case, the last N401 would be 'COLUMBIA': N4*COLUMBIA*MD*21046^

That entry is found in the table and COL is assigned as the branch.

Configuration for Inbound ASNs

The EDICTL table lets you choose whether or not to create pre-receipts. The entry is by warehouse. Transaction is 856.

Once the ASN is delivered from Armstrong's Tibco system to CRA400, a job runs on MON-FRI 5 times an hour from 4:30am - 11:45pm to send it to the distributor. The same job runs on SAT, every 2 hours from 8am - 10pm to process any EDI transactions.

```

8/04/11          EDI CONTROL TABLE          LSMITH          16:56:40

SEL  MANF  FORMAT  CUSTOMER NAME          Processing Opt  Reporting Opt
      (N/E/S/P)          (Y/N/1)
-----
)   POR   810    PORCELANITE 810 IN      N              1
)   PQS   810    PRSTRP QUICK SHIP CR  N              Y
)   PST   850    PERSTORP 850          N              Y
)   QUE   810    ARM                    N              1
)   RAL   850    ARMSTRONG PO          P              1
)   RAL   856    INBOUND ASN          P              Y
)   RPO   855    ARM AUTO RPO IN      P              1
)   SEA   810    SEARS OB INVOICES    N              Y
)   SEA   820    SEARS REMITT         N              1
)   SEA   850    SEARS ORDERS         N              1

More...

Option: N-Report only. E-Pending. S-IS0 Select. P-Process.
Report: Y-print. N-Noprint. 1-1 P0/Invoice per page.
Select = "X" to work with additional controls

CLEAR MANF. TO DELETE          F7-E0J          Enter-To-Continue

```

— Option P causes the pre-receipt to be created in INB 1 ready to be posted.

To determine where the inbound edit report will print, on a command line type EDIPRT.

```

16:54:12      Printer Selection for EDI Inbound Processes      9/09/11
                                                         0VF400

Invoices.....:   P7
Orders.....:    GA
Ship Notice.....:  GA
SCP/STP Credits..: GA
Remittance Advice: GA
PO Acknowledgment: GA
Invoice Comp. Ack: GA
997 Acknowledgment: GA

      Enter Printer ID of the printer you want to print these reports on.

      F4=Cancel      Enter to Update
    
```

To locate spoolfiles created from this process, on a command line type the following:

```
WRKSPLF SELECT(SUPPORT *ALL *ALL ASN_RCPTS)
```

```

Display Spooled File
File . . . . . :  ASN_RCPTS
Control . . . . . :  _____
Find . . . . . :  _____
*...+...1...+...2...+...3...+...4...+...5...+...6...+...7...+...8...+...9...+..
REPORT DATE:  9/12/11      ASN  P R O C E S S I N G
REPORT TIME:  7:12
WHS  ITEM NUMBER      PRODUCT DESCRIPTION      SERIAL NO.  SHAD  QUANTITY UM  MANIFEST#  QI
-----
    
```

Set 5 Tables

- FMTBINSERI - This table is used to assign a location in the pre-receipt to rolled goods. A default location set in the stock keeping file (FIL 13) will override this table. Cross reference MFGR+WHSE+WIDTH to a letter to be the first character of the location. This value || with the last 2 digits of the serial number that Armstrong passed in the 856. If the To value is blank then the location will just be the last 2 digits of the serial number.
- PERFMEAMFG - Manufacturer code must be in this table otherwise the item will not get written to INB 1.


```

INQUIRE                System Cross Reference Table File Maintenance
Table Name:  PERFMEAMFG          Desc: PERFORMANCE MEASURE MFG
Position To: _____        Comm: TO BE INCLUDED
  "From" Description:           "To" Description:           Allow Duplicate Values
    MFG                        DESCRIPTION          "From":  N   (Y/N)
                                           "To":    N
  "From" Values:               "To" Values:
  ARB                          ARB
  ARI                          ARI
  ARM                          ARMTRONG
  ARW                          ARW
  BRU                          BRUCE HARDWOOD
  HAR                          HARTCO
  ROB                          ROBBINS
  
```

- RCPTCSTTBL - invoice cost rather than standard PO cost
- TAPEID - entries by mfg#/rdc#/warehouse/location. Dancik will add a record in this table for new mfgs in order to create the pre-receipt records.

“Configuration for CRA pass through” on page 3- 1

“Configuration for EDI Inbound orders from Armstrong” on page 3- 2

“Armstrong Pricing (Pricing for Customer Orders)” on page 3- 11

“Configuration for Outbound OST” on page 3- 14

“Outbound PO Acknowledgement” on page 3- 16

Configuration for CRA pass through

The user ID and device type that the Armstrong user logs onto CRA400 with controls logging into the Distributor's systems via a process called pass through.

- The user ID must be maintained on CRA400. GO CRA option 3 - Network CRA Password Maintenance. This table cross references the user ID to an Armstrong ID that is valid on the Distributor's systems.
- There must be an available device of the same type as the Armstrong user is using on CRA400 on the Distributor's system.

A billto file is maintained on CRA400. Each account has a DBA assigned by Armstrong. When a store calls in to place an order the Armstrong CSR will ask for their DBA number or account number. This number has to be cross referenced on CRA400 to determine which Distributor services this customer.

- GO RDC option 2 - The DBA number is CRA number||CRA store number (no spaces) and cross references to an account number. The Servicing RDC Number is also maintained on this screen which tells which distributor's system to logon to when this account is chosen.

The Armstrong CSR enters the DBA number in the DBA field in CRA option 2. This brings up a list of billto accounts with the cross referenced account as the first one.

```
011870  HOME DEPOT 7001 (SCARBOROUGH) SCARBOROUGH, ON      ON M1R 4E7
          RDC: GESCO400          D.B.A.: 0517001          RDC
```

The Armstrong CSR enters option X beside the account. This starts pass thru to the assigned distributor. They will be signed on with an Armstrong user ID.

During the pass through to order entry, the CRA customer cross reference table on the distributor's system is checked for the DBA account number. The account number from this entry is the account number that the order is placed for.

Configuration for EDI Inbound orders from Armstrong

Although most orders are forwarded via EDI, Armstrong usually does not electronically order forward Sherwin Williams orders.

EDI Control Table

- This table is accessed by entering EDICTL on a command line.
- The warehouse from RDC 1 should be setup in here for transaction 850 to process.
- Use Processing option “P” to process.
- The Reporting Opt affects the style of the edit report that prints when an order comes in.

7/08/11 EDI CONTROL TABLE DANC1K 11:44:10

SEL	MANF	FORMAT	CUSTOMER NAME	Processing Opt (N/E/S/P)	Reporting Opt (Y/N/1)
-	AFF	850	CMS AFFORDABLE BEST	E	1
-	ARB	REB	ARB REBATE CREDITS	P	Y
-	ARB	856	ARMSTRONG CELING ASN	P	Y
-	ARD	810	ARMSTRONG CREDITS	N	1
-	ARI	856	INBOUND ASN	P	Y
-	ARM	AP0	REVERSE PO PHASE II	P	Y
-	ARM	RPO	REVERSE PO CREATION	P	Y
-	ARM	81C	ARMSTRONG SCP/STP	P	Y
-	ARM	810	ARMSTRONG INVOICES	N	1
-	ARM	855	ARMSTRONG PO ACK	N	1

Option: N-Report only. E-Pending. S-IS0 Select. P-Process.
 Report: Y-print. N-Noprint. 1-1 PO/Invoice per page.
 Select = "X" to work with additional controls

CLEAR MANF. TO DELETE F7-E0J Enter-To-Continue

The command **WRKSPLF SELECT(SUPPORT *ALL *ALL CRA_850_PO)** allows you to:

- To see the edits that have been created from inbound orders
- To find spoolfiles from inbound 850s

RDC 1

Cross reference the RDC # sent in the 850 to a warehouse.
 REF*WX*043^

```

RDC Warehouse Cross Reference Maintenance

RDC Number: 043

Floor Vision Warehouse.....: CIN
RDC Name.....: Ohio Valley - CINCINNATI
Remote Location Name (for communications)...:

```

The workstation ID assigned to this order is found in a table xxxAPDEF where xxx is the warehouse code found in RDC 1.

EDIPRT

This table directs the edit reports to a printer.

```

11:43:54      Printer Selection for EDI Inbound Processes      7/08/11
                                                    0VF400

Invoices.....:  P7
Orders.....:    GA
Ship Notice.....:  GA
SCP/STP Credits..: GA
Remittance Advice: GA
PO Acknowledgment: GA
Invoice Comp. Ack: GA
997 Acknowledgment: GA

Enter Printer ID of the printer you want to print these reports on.

F4=Cancel      Enter to Update

```

BillTo Account

Armstrong passes a CRA# and store # in the 850. These fields are cross referenced to a billto account number in RDC 2.

```

REF*11*002^      - CRA NUMBER
REF*ST*667Y^    - STORE NUMBER

```

```
INQUIRY          CRA Customer Cross-Reference Maintenance
Floor Vision Account#...: 016083 PROSOURCE OF CLEVE   (ARM/AWP)
                        WESTLAKE
CRA Number.....: 002
CRA Store Number.....: 667Y (right-justified, leading blanks)
Servicing RDC Number...: 043
Customer Type.....: RDC (BRU-Bruce HAR-Hartco RDC-RDC ROB-Robbins)
```

The Customer Preference file is checked for an inbound EDI order. Billto accounts with branch code RDC cannot have an entry in the customer preference file by account. If it does, the inbound order from Armstrong sent via EDI will kickout with an error on the edit report that says CUSTOMER PREF FILE NOT ACCESSED FOR ACCT ***ERROR***.

Note: Special orders forwarded from Armstrong get order reason code 507.

Shipto Account

Some orders Armstrong would like to be shipped straight to the installer instead of the store. In this case they will pass a shipto address in the 850. Armstrong will send the shipto information in an ST loop. The shipto file will be checked for a match on a global shipto account where Name, Address, City, State and Zip are identical to that passed in the 850.

If a matching shipto is found then the 900000 number is passed to the order header. Otherwise the order is kicked out with a message on the edit that a shipto was not found.

If duplicate matches are found, order remains unprocessed and the following error messages are produced on the edit report along with Ship-To information:

```
MULTIPLE SHIPTO INFORMATION FOUND
900762 D & D CARPET
900773CERTIFIED FLOORING INSTALLATION
* ORDER IS IN UNPROCESSED FILE *
```

The shipto automatch functionality will consider the DBA of the Shipto to attempt to get the most accurate warehouse, routing and ship via information. If a Shipto is matched, the Billto record is retrieved by the DBA number to use it's warehouse, truck route and ship via, if they exist. The account number of the DBA Bill-to is also retained for use during salesperson assignment at time of Invoicing.

If the DBA is invalid or there are multiple accounts found, the order will be held in unprocessed.

Note: Canadian distributors do not go strictly off the DBA value in the bill-to file like domestic distributors. Table reference ABSNA#S.

Will call orders (ship via WC only)

The Date requested on the order header becomes the date Armstrong sends in the DTM segment. Not the date from the customer's route file. Interwarehouse transfer days are added to the ship date from the Distributor's system. These days are maintained in DEL 4.

For an order that is to be picked up in the customer's regular warehouse, Armstrong will send FOB*PU.

For an order that is to be picked up at a warehouse other than the customer's regular warehouse, they will send FOB*PU*RDC#. The order header warehouse becomes the warehouse cross referenced to FOB03 in RDC 1 and the ship via is changed to WC.

Settings/Files affecting Inbound 850

- ISO setting- **Use PO ETA date if > lead time**
 - Prior to this setting the date returned would automatically be the lesser of the ETA date and lead time date. This setting allows you to decide which you want.
 - Orders will use the back order date that is passed from ISO as the ATP date if ATP is turned on, otherwise ship date will be used.
- **Table ARMMISCSET (SET 5) - option ATPRDONLY** - This flag is checked for lines that are created as backorders. If YES, and the customer is an RDC/SSC customer, then we continue to use the Back order date returned from ISO. If the customer is not an RDC/SSC customer, the back order date from ISO is skipped and the detail line ship date will be the standard ship date. If NO, then we use the back order date from ISO.
- **Interwarehouse Transfer Times (DEL 4)**- The number of days from this file are added if the line is affected by an interwarehouse transfer.

Routes File - The number of days from the routes file are not added to the detail line Ship Date for back orders.

WCBYWHSE Table for Will Calls

Note: This table must be activated via the ARMMISCSET table. Refer to "SET 5 Tables" on page 3- 8 for more information.

The **WCBYWHSE** table allows assignment of a will call code to warehouses that do not use the default will call code of "WC". This table is intended to address unique will call set-ups such as:

- Using unique shipvia codes to denote will calls by warehouse

- Using truck routes to identify will calls

UPDATE			System Cross Reference Table File Maintenance		
Table Name: <u>WCBYWHSE</u>		Desc: <u>WILL CALL CODES BY WAREHOUSE</u>			
Position To: _____		Comm: <u>FOR SHIP VIA (& TRUCK ROUTE)</u>			
"From" Description:	"To" Description:	Allow Duplicate Values			
<u>WAREHOUSE (3)</u>	<u>SV/TR/RN/ST (2 EA)</u>	"From": <u>N</u>	(Y/N)		
		"To": <u>Y</u>			
"From" Values:	"To" Values:				
<u>CLE</u>	<u>WCCP55</u>				
<u>IND</u>	<u>WI</u>				

- In the "From" value enter a warehouse code.
- In the "To" value enter the shipvia code used for will call orders and if applicable the truck route, run number, and stop associated with the ship via code. In the example shown above:
 - The code for the CLE warehouse, WCCP55, uses the normal shipvia code for will calls "WC". However, the Truck Route (CP) and Run Number (55) are added to make the code unique. If needed, a two character stop number can also be added, but likely will not be used.
 - The will call code for the IND warehouse, WI, denotes a unique shipvia code for a will call order.

Note: The WCBYWHSE table is not needed if the warehouse uses the default shipvia code of "WC".

Will call information is included in EDI transmitted orders in two FOB segments.

REF*TOC**W| WILL CALL MANSFIELD^
 FOB*PU*ZZ*158^

- PU = FOB01 - designates the order as a pick-up or will call.
- 158 = FOB03 - RDC number of the pickup location. These RDC warehouse locations are created via the RDC Warehouse Cross Reference Table (menu option RDC 1).

<u>RDC#</u>	<u>Ware</u>	<u>Description</u>	<u>Remote Loc Name</u>
MIL	MAN	Manchester Primary Whs Mileage	
RDC	158	Belknap	
000	BWG	Belknap default	MAN
001	ALC	ALCCO ALBANY	CRA400
158	MAN	Belknap, MANSFIELD	CRA400
159	SMI	SMITHFIELD	CRA400
223	WOB	WOBURN	CRA400

PO Edits

Whenever purchase orders are processed, a PO Edit is automatically generated and placed in the spool file. The will call location will be found with the heading "Requested Routing Info".

If the will call location is found in the RDC Warehouse Cross Reference table, the warehouse is listed in the Requested Routing information.

```

REQUESTED BY: SUPPORT                INBOUND EDI ORDERS EDIT FOR- ARMSTRONG POS                MEMBER: M02141347                EDT850
CIN
CONTRACT/PO # ...: 1006875301                PROCESS TYPE: 5
CUSTOMER P.O.#...: TEST1234                - ACCOUNT NAME/ADDRESS INFO -
REQUESTED ROUTING INFO: 042 - Ohio valley - INDIANAPOLIS
SHIP TO CRA LOC: 0DCU                NAME:
BILL TO RECEIVED: 089814                PS METRO INDIANAPOLIS(ARM/AWP)
                DBA PROSOURCE OF INDPLS(68.50)
                INDIANAPOLIS                TN 46250
*** WILL CALL ORDER ***
ENTERED SYSTEM DTE: 20130214                *** WILL CALL ORDER ***
DELIVERY REQUESTED: 20130214                NEXT SCHEDULE DATE: 20130214
CES ORDER #.....: 1006875301                IDOC #.: 0000000199742945                ORDER RSN CD.: 507                TAX IND.:
MESSAGE .....: W* WILL CALL INDIANAPOLIS
*** SUPPLIER PRICING IN EFFECT ***
REF #                ITEM#/DESC.                QUANTITY                UOM                SYS. PRICE                PO EXTENDED                RECV PRICE                LINES                BACKORDER
-----
5921413 0010 ARM51858031                7.00                CT                40.343 *                282.40                .000                001
    
```

The Ship Via and Truck Route information for the above PO Edit is shown on the order below.

```

OPEN ORDER FILE SEARCH BY ORDER#
To: 317-915-8200                Ship To: 317-915-8200                Order#: 385529
PS METRO INDIANAPOLIS(ARM/AWP) PS METRO INDIANAPOLIS(ARM/AWP) Acct# : 089814
DBA PROSOURCE OF INDPLS(68.50) DBA PROSOURCE OF INDPLS(68.50) Slmn#s:
8001 CASTLEWAY DR.                8001 CASTLEWAY DR.                Ware# : IND
INDIANAPOLIS                IN 46250                INDIANAPOLIS                IN 46250                Branch: IND
Order-Dt Entered Dt-Req Shp-Via/F Cust P.O.# / Job Prc ETA OH/Stat
2/14/13 2/14/13 2/15/13 WI TEST1234 1006875301 BC 5
Line Item# Description Qty Ext-Price
0001 W* WILL CALL INDIANAPOLIS
0010 ARM51858031 IMPERIAL TEXTURE SANDRIFT WHT 7.00 CT 282.40 T
from CIN S/N: D301A #J06

End Of Order                Stk: .00                Tax: .00                Total: 282.40

ENTER LINE# TO SEE MORE DETAILS:
Enter=Forward. F6=Change/Canc. F8=1st Scrn. F10=Print. F12=Shpg. F5=Notepad
    
```

Customer Orders

If the will call location is not found, a warning message will appear. If this value is valid for your company, it must be added to the RDC Warehouse Cross Reference table (RDC-1).

```

REQUESTED BY: SUPPORT          INBOUND EDI ORDERS EDIT FOR- ARMSTRONG POS          MEMBER: M01211617          EDT850
CIN
CONTRACT/PO # ...: 1006151824          PROCESS TYPE: 5
CUSTOMER P.O.#...: TEST1251          - ACCOUNT NAME/ADDRESS INFO -
REQUESTED ROUTING INFO: 022 - WARNING: LOCATION NOT IN WHS XREF. PLEASE VALIDATE SV/TR ON ORDER.
SHIP TO CRA LOC: 3YUT          NAME:
BILL TO RECEIVED: 017063          CARPET ONE          (ARM/AWP)
          1300 EAST 86TH ST.          (68.50)
          INDIANAPOLIS          IN 46240
*** WILL CALL ORDER ***
ENTERED SYSTEM DTE: 20130121          NEXT SCHEDULE DATE: 20130121
DELIVERY REQUESTED: 20130121
CES ORDER #.....: 1006151824          IDOC #.: 0000000191362053          ORDER RSN CD.: 507          TAX IND.:
MESSAGE .....: W* WILL CALL GREENVILLE
*** SUPPLIER PRICING IN EFFECT ***
REF #          ITEM#/DESC.          QUANTITY          UOM          SYS. PRICE          PO EXTENDED          RECV PRICE          LINES          BACKORDER
-----
5921365 0010 ARM51899031          3.00          CT          41.283 *          123.84          .000          001
  
```

The Ship Via and Truck Route information for the above PO Edit is shown on the order below.

Note: Since the location was not found, the Ship Via uses the default value of WC.

```

OPEN ORDER FILE SEARCH BY ORDER#
To: 317-848-5822          Ship To: 317-848-5822          Order#: 385498
CARPET ONE          (ARM/AWP)          CARPET ONE          (ARM/AWP)          Acct# : 017063
1300 EAST 86TH ST.          (68.50)          1300 EAST 86TH ST.          (68.50)          Slmn#s:
INDIANAPOLIS          IN 46240          INDIANAPOLIS          IN 46240          Ware# : IND
Branch: IND
Order-Dt Entered Dt-Req Shp-Via/F Cust P.O.# / Job Prc ETA OH/Stat
1/21/13 1/21/13 1/22/13 WC TEST1251 1006151824 BC 5
Line Item# Description Qty Ext-Price
0001 W* WILL CALL GREENVILLE
0010 ARM51899031 IMPERIAL TEXTURE COOL WHITE 3.00 CT 123.85 T
from CIN S/N: A450B #L06

End Of Order          Stk: .00          Tax: .00          Total: 123.85

ENTER LINE# TO SEE MORE DETAILS:
Enter=Forward. F6=Change/Canc. F8=1st Scrn. F10=Print. F12=Shpg. F5=Notepad
  
```

SET 5 Tables

- ARMMISCSET use this table to activate the WCBYWHSE Table for Will Calls.
 - If this switch is ON (YES), the system uses the WCBYWHSE table to find will call codes by warehouse tables and settings.
 - If the switch is OFF (NO), then the system assigns only the standard code of “WC” for all will calls.

```

UPDATE      System Cross Reference Table File Maintenance
Table Name:  ARMMISCSET          Desc:  ARMSTRONG MISC SETTINGS
Position To: _____        Comm:  - USE FOR GLOBAL FLAGS/OPTS
"From" Description:  "To" Description:  Allow Duplicate Values
FLAG/OPT NAME      YES/NO/SETTING      "From":  N   (Y/N)
                                     "To":   Y
"From" Values:     "To" Values:
WCBYWAREHOUSE      YES

```

- COMPSUPPRCOVR - Controls Supplier Price override in EDI Order Creation.
 - If YES, override the Dancik unit price with the Supplier unit price.
 - If NO, Supplier pricing is ignored.
 - BEG09 = 'ZZ' will signify that supplier pricing is included on the order.
 - PO112 = 'OT' will inform that a T-Price List number is included in PO113.
 - SAC/CUR - These segments will be sent at the detail level as the component buyback and compensation fee amount information. Dancik pricing routines will still determine if there are any Price Allowances or Fund points to apply.
 - A new value of "A" will be used for the Pricing Method if Supplier pricing is used.
- DEFORDHND - If Order handling code not passed in 850 it can be controlled by this table.
 - *ALL states that all orders defaults to this OH value. In this case, *NONE does not contain default for *ALL.
 - *DEFAULT states to use default values in either CUSTPREF or BILLTO. When this is true (*YES), then continue to check sequence of preferred default.
 - *SEQ states the sequence in which to look for default first. In the example above, CUSTPREF is looked at first before BILLTO file.
 - When *CUSTPREF is chosen, then the *CUSTPREF from key states the order in which to read the file. Either by Account # first and Chain Code second.

```

UPDATE                               System Cross Reference Table File Maintenance
Table Name: DEFORDHND                 Desc: DEFAULT ORDER HANDLING CODE
Position To:                          Comm:
"From" Description:                   "To" Description:       Allow Duplicate Values
KEY                                   VALUE                       "From": N (Y/N)
                                   "To": N
"From" Values:                        "To" Values:
*ALL                                  *NONE
*CUSTPREF                             *ACCT *CHAIN
*DEFAULT                               *YES
*SEQ                                   *CUSTPREF *BILLTO
More...
***** ENTRY ACCEPTED *****
F4=Delete Entire Table  F6=Search  F7=E0J  F8=Return to 1st Screen
    
```

- AUTOSHIPTO - Includes a switch to turn off/on automatic ship to by warehouse.
- FMTORDIN - Default truck route and delivery dates
- APDEF - to get workstation ID
- 507FOB - maybe specific to home depot BOL message
- UMI - Unit of measure conversion
- PO870TRACK - Check if customer is turned on for PO status tracking
- ARMMISCSET - Used for Armstrong ATP process.

Segments in the 850 that Armstrong passes that control the order

- REF*ZV*1 to block the order (go to unprocessed)
 - REF*1R with U, V or D. U & V are used to mark the order unusual and go to unprocessed.
 - REF*PHC segment to set the order handling code for the order.
 - For CCA compensation Armstrong will send component Buyback and Compensation Fees in the 850 to allow Dancik to accumulate them into a unit price. Direct Retail (RT) Price is also sent when applicable.
 - BEG09 = 'ZZ' will signify that supplier pricing is included on the order.
 - PO112 = 'OT' will inform that a T-Price List number is included in PO113.
- Note: T-Price List number is a future Armstrong enhancement not available with this release.*
- SAC/CUR - These segments will be sent at the detail sub-line level as the component buyback and compensation fee amount information.

Armstrong Pricing (Pricing for Customer Orders)

Armstrong pricing Examples

- BUYING GRP -Pricing structure might be very accurate for example 16% on initiator but if there was a cut you can add an additional .45 per SY (% of profit + dollar amount per cut). The compensation for invoices like this are easy to reconcile.
- RDC PRICING - There are too many variables to guess at the pricing for the National Accounts so a Distributor might put a static % of profit to get close.
- CCA GROUP PRICING - The Distributor is paid a % based on Armstrong's % of profit. Armstrong still tells the distributor what they will pay (what to charge) but the Distributor doesn't know how much they are going to be getting for it. The need to reconcile these is greater because they need to know that they are not losing money. There is a project being scheduled that will update the invoice they are paying so they can reconcile

Non RDC compensation:

Armstrong will send component Buyback and Compensation Fees in the 850 to allow Dancik to accumulate them into a unit price. Direct Retail (RT) Price is also sent when applicable.

Note: An order line will not have supplier pricing if 1) the order is entered manually, 2) the order lines that came in via EDI are cancelled and rekeyed, 3) the price is changed on the order line by CSR.

- BEG09 = 'ZZ' will signify that supplier pricing is included on the order.
- PO112 = 'OT' will inform that a T-Price List number is included in PO113.

Note: T-Price List number is a future Armstrong enhancement not available with this release.

- SAC/CUR - These segments will be sent at the detail sub-line level as the component buyback and compensation fee amount information.

The settings that control the downloaded price from Armstrong are in the SET 5 table ARMMISCSET.

- COMPSUPPCOVR - Controls Supplier Price override in EDI Order Creation.
 - If YES, override the Dancik unit price with the Supplier unit price.
 - If NO, Supplier pricing is ignored.

Dancik pricing routines will determine if there are any Price Allowances or Fund points to apply.

The Supplier Pricing History is stored in a file called SUPPPRCF. This file is keyed by Order reference number, Line number, and compensation fee code. This file is used in the Supplier Pricing & Compensation Analysis function as well as future Phase II requirements.

The Ship-to Automatch functionality considers the DBA of the alternate Ship-to first, if it is sent in the download. If it is matched, the account number of the DBA Bill-to is retained for use during salesperson assignment at time of Invoicing. If a Ship-to by DBA is not matched, then normal matching by address is performed.

- If the DBA is invalid or multiple accounts are found, the order will be held in unprocessed.
- If the Ship-to by Address is invalid or multiple accounts are found, the order will be held in unprocessed.

A new informational message is used on the Inbound Order Edit to show Supplier Pricing is in use. It will appear directly above the item lines. In addition, an asterisk appears to the right of the price.

*** SUPPLIER PRICING IN EFFECT ***

Order Inquiry

The Supplier unit price can be seen in Order Inquiry.

Pricing method A is assigned when supplier pricing is applied.

Pricing allowances and Fund points will appear as normal.

A new option, **Supplier Pricing & Compensation Analysis**, has been inserted at the bottom of the F24 Order Inquiries & Utilities menu.

Order Inquiries & Utilities		Archived Files	
Supplier Pricing & Compensation Analysis			
ARM51899031	1.00 in CT	IMPERIAL TEXTURE COOL WH	
777860 0010		EXCELON TILE 1/8"	
	Direct RT Price =	31.160	UNIT
Code	Description	Price/Unit	Pct
ZM30	RDC Tile Material Buyback F	34.700	
ZLOG	Logistics Fee	4.210	13.50
ZFT5	F0 Freight Inbound	1.080	
ZISS	In Store Service Fee	.780	2.50
ZFTN	SSC Energy Surcharge		
	Total Unit Price	40.770	
ZM38	Cash Discount Buyback %	.690-	2.00-
	Net Unit Price	40.080	
			More...
F1=Next Line F2=Prev Line F6/F7=Return F9=Ext Comp Roll Up/Down			
Order Ref#..	5082385	Pricing Method/List# A LP	Ship Dt 8/29/11
Selected By	ISO		p
ENTER LINE# OR "0000" FOR ALL..		10	F2=Dlvry.
Enter=Forward. F6=Change/Canc. F8=1st Scrn. F10=Print. F12=Shpg.			F5=Notepad

This utility will display all component buyback and compensation fees that make up the supplier unit price for an order line. The Direct RT price and the T-Price List number will also be shown, if applicable. F-keys provide a method for switching between lines on an order and will also toggle between Unit Price and Extended Compensation modes. Both modes will show a net value of compensation minus discount.

The following percentage-based fees are based on Direct RT price, if it is present. Otherwise, all fees are based on Buyback. (See page 3 for a list of all fee codes.)

- ZISS - In Store Service Fee
- ZLOG - Logistics Fee

It is important to note that all values seen on the Supplier Pricing & Compensation Analysis screen are values sent from Armstrong. The only calculations performed by Dancik are factor conversions for changes in Unit of Measure. Small variances may occur due to differences in a distributors packaging file and product standards set at Armstrong. If a particular fee appears without a value, it is likely that is how Armstrong sent it.

Configuration for Outbound OST

For every order that is for a billto account with a branch of RDC or a customer type of S*

Close a truck Billto branch RDC or customer type S*

- The customer preference file is setup by chain code. If you have an account setup in the customer preference file it will override the chain code entry. Billto accounts with branch = RDC cannot have an entry in the customer preference file by account. If it does the inbound order from Armstrong sent via EDI will kickout. The customer preference file must have this setting set to O for order level ASN set on the 2nd page: "Does the customer require Order-level, Pallet-level or No ASNs?"
- The branch has to be cross referenced in ARMSUBC#S in SET 5 otherwise the segment containing the subcontractor number will be missing on the outbound OST. Example: N9*WX*003

Armstrong OSTs

For Home Depot, the FOB is cross referenced from the order to table ARMFOB in SET 5.

Next it checks the 507FOB table for the truck route. If the truck route on the order is found in this table then it passes CC to Armstrong as the FOB.

INQUIRE System Cross Reference Table File Maintenance			
Table Name:	507FOB	Desc:	THE HOME DEPOT FOB 507
Position To:		Comm:	
"From" Description:	TRUCK ROUTE	"To" Description:	FREIGHT COLLECT FOB
		Allow Duplicate Values	"From": N (Y/N)
			"To": Y
"From" Values:		"To" Values:	
HA		1	
HE		1	
HS		1	
HU		1	

All shipments for Home Depot - except customer pickups - should go to Armstrong as CC on the OST. Including UPS. They handle the details in SAP.

The following is an explanation about how this is handled.

When the OST is sent to Armstrong the FOB code on the order is cross referenced to a PP or CC code in SET 5 table ARMFOB. If the order is for a customer with chain code THD then table 507FOB is checked. If the truck route on the order is setup in this 507FOB table then the order is sent as CC. So per Armstrong's requirement all Home Depot orders (except pickups) will have a truck route that is setup in

To tell if an OST has been exported to Armstrong for a particular order do the following:

- Go into order inquiry for that order number (Menu = ORD 11)
- Press F12 for shipping

- Press F12 for Manifest
- Press F11 for alternate view

This screen will say "ASN Transmitted" followed by a yes, no, or N/A. If it says N/A then an OST doesn't apply to this order based on the branch or billto settings.

If there are any orders that are at an S status but no OST was sent then you will not be able to run EOM until they are taken care of. Either send an OST manually or change the ship date to the next month. You can run RDC 21 to look for these orders.

To send an OST manually, menu RDC option 32.

9/09/11 16:48:09 Flag Order(s) For OST Retransmission RD3000R CE

Order#	Ship Date	Bill To Name	Ship To Name	Old Sts	New Sts	Brk	Cust Type
0							
0							
0							
0							
0							
0							
0							
0							
0							
0							
0							
0							
0							
0							
0							
0							
0							

Bottom

F7=Exit F10=Process
Press Enter to check order#(s)...

Outbound PO Acknowledgement

When Armstrong sends an order to the Distributor the system sends an 855 back to Armstrong automatically.

There are 3 conditions in which an 855 is sent.

1. An inbound order comes in and automatically gets processed.
2. An inbound order comes in and goes to the unprocessed file.
3. An order that came in via EDI and went to the unprocessed file gets processed.

When an order comes in, a record is written to file ARMORDDTA. This file is checked to determine whether or not to send an 855 at all.

Data Area SBMACKUOR must be turned set to “Y” in order to have 855s sent for orders that came in via EDI, went to the unprocessed order file and are now being released.

“Configuration for Outbound Credits to Armstrong” on page 4- 1

“Configuration for AR Account Posting for Compensation” on page 4- 7

“Configuration for Sales Extract” on page 4- 24

“Configuration for Inbound Rebates” on page 4- 35

Configuration for Outbound Credits to Armstrong

Distributors Credits from the RDC to Armstrong gives RDC's ability to send Armstrong Credit invoices. Only credits that are coded as 'Return to Stock' N will be transmitted to Armstrong. The Credits are extracted and compiled in two (2) different manners. The first being a manual extraction initiated by a command and the other being a process initiated from within the Night Job process.

- EXPBARMCR - Nightly Job
- CALL EXPBARMCR2 - Manual Submission command

Tables setup in SET 5

- xxxCUST# - Customer Cross Reference table
- xxxITEM# - Item Cross Reference table
- ARMNA#S - Armstrong National Accounts Cross Ref table
- xxxBTOMIT - Manufacturer Bill To omit table
- FMTBTOMIT - General Bill To omit table
- GENFOB - General Freight Of Bill Cross Ref table

xxxCUST# table for Account Cross Reference Table

The “FROM” field consist of the Bill To Account and the “TO” field consist of the Store Number being serviced. This table is used only if the account does not exist in the RDCCUSTX table from the RDC menu option 2.

```
INQUIRE System Cross Reference Table File Maintenance
Table Name: BNACUST# Desc: AWP NAT'L ACCT NUMBERS
Position To: _____ Comm: *EXP810IN2* AWP - BRUCE HARDWO
"From" Description: "To" Description: Allow Duplicate Values
OVF BILL TO ACCT # STORE # "From": N (Y/N)
                                "To": N
"From" Values: "To" Values:
011845 1200
013245 180
014515 4126
014655 4159
014755 4152
014795 4160
014825 671
014875 1654
015135 3812
015145 2305
015155 3823
More...
```

xxxITEM# cross reference table

This table is used only if the item is not found in the RDC Item Cross Reference Table from the RDC menu option 3 (below).

RDC Item Cross Reference Table Maintenance

RDC Item Xref Table

Position to:

<u>Class</u>	<u>Type</u>	<u>Product Number</u>	<u>Pricing Group</u>
█	█	█	█

<u>X</u>	<u>Class</u>	<u>Type</u>	<u>Product Number</u>	<u>Pricing Group</u>
█	2	00	M1416F	
█	2	00	R100	
█	2	00	R101	
█	2	00	R150	
█	2	00	R151	200R151
█	2	00	R153	200R153
█	2	00	R154	200R154
█	2	00	R155	

More...

X=Select F6=Return Roll Up/Down

Action Codes: A (Ad
MASTER FIL

ARMNA#S

Armstrong National Accounts reference table - is entered with the "FROM" field as the Bill To account number and the "TO" field with the NA# or CRA# that pertains to the RDC# and the 4 digit store number entered as below example shows.

```

INQUIRE                System Cross Reference Table File Maintenance
Table Name:  ARMNA#S          Desc:  ARMSTRONG NATIONAL ACCOUNT#S
Position To:  _____    Comm:  8 8 888)+SPACES(2)+STORE#(7)
  "From" Description:  "To" Description:  Allow Duplicate Values
  BILLTO ACCOUNT#    NA# AND STORE#      "From":  N   (Y/N)
                                     "To":    Y
  "From" Values:      "To" Values:
  000017              038    2664
  000020              017    8694
  000021              005     1
  000138              005    30
  000345              038   1335
  000378              015    294
  000485              038   2435
  000551              033    103
  000553              033    104
  000556              033    107
  000565              033    114
More...
  
```

FMTBTOMIT and xxxBTOMIT

are used to define Bill To Accounts to be omitted. The "FROM" field consist of the three character manufacturer and the Bill To account number. The "TO" field simply consist of the word "OMIT". Note that the xxxBTOMIT table is for supplier specific only where the FMTBTOMIT is for all.

```

INQUIRE                System Cross Reference Table File Maintenance
Table Name:  FMTBTOMIT       Desc:  FORMAT/BILLTO# OMIT
Position To:  _____    Comm:
  "From" Description:  "To" Description:  Allow Duplicate Values
  FMT (3)+BILLTO# (6)  "OMIT"                                "From":  N   (Y/N)
                                     "To":    Y
  "From" Values:      "To" Values:
  ANA200099           OMIT
  AOT200099           OMIT
  ARM006250           OMIT
  ARM007122           OMIT
  ARM007201           OMIT
  ARM200099           OMIT
  
```

GENFOB

EDI Shipping Method of Payment - The "FROM" field consist of FOB codes used in Dancik system and the "TO" field consist of the corresponding X12 FOB standard codes.

```

INQUIRE      System Cross Reference Table File Maintenance
Table Name:  GENFOB      Desc: GENERAL FOB X-REFERENCE TABLE
Position To: _____ Comm: EDI SHIP METHOD OF PMT
  "From" Description:    "To" Description:    Allow Duplicate Values
  FOB CODE (1)          COLLECT OR PREPAID    "From": N (Y/N)
                                     "To": Y
  "From" Values:        "To" Values:
  *                     CC
  C                     PP
  F                     CC
  P                     PP
  Q                     PP
  T                     PP
  W                     CC
  1                     CC
  2                     PP
  3                     PP
  4                     PP
Bottom

```

F6 lines on an invoice gets passed on the outbound credit. Although there are 50 characters on the line only 30 get passed in the 810 in a REF*TOC segment.

Manually Submitting the Distributor Credits SSC 810 via the EXPBARMCR2 Command

The manual method, referred to as the On-Demand method, is executed simply by typing the following command on a command line and press [ENTER] to continue; CALL EXPBARMCR2. The following screen is displayed:

```

Create Outb Credit Inv (AS2) (EDIBARMCOS)

Type choices, press Enter.

Credit Date Range:
  From Date (MMDDYY) . . . . . █_____ Date
  To Date (MMDDYY) . . . . . _____ Date
Credit Inv# Range:
  From Invoice# . . . . . _____ 1-999999
  To Invoice# . . . . . _____ 1-999999
Manufacturer . . . . . > ARM Character value
      + for more values _____
Data Source . . . . . > *HISTORY *HISTORY, *TODAY, *YESTERDAY
Create Data File . . . . . > *NO *YES, *NO

```

The entries on this screen are based on the requirements of your sales extraction. When extracting history, yesterdays or today's invoices, the entries above will change. It is uncommon for this command to be utilized for today's invoices since they are normally extracted as a part of the distributor's night jobs. Distributors will normally utilize this to resend sales for a specific date, invoice or resending the prior nights invoices due to errors having been corrected.

Resending Sales History by a Date Range

1. Enter the date range as required by the prompt screen. Enter the "From" date (beginning or starting date) in the required MMDDYY format.
2. Enter the "To" date (ending date) in the required MMDDYY format. Note: Date range can be for a single day or a range. If for a single date, the date must be entered in the "From" and "To" parameters.
3. Invoice Range is not required when utilizing a date range.
4. Enter the applicable manufacturer code or codes that pertain to the Armstrong Wood Products sales. Typically would be "ARM". Only those that you use are required and if your manufacturer codes are different, use those.
5. Data Source shall be *HISTORY.
6. Create Data File shall be *YES. If you use *NO, you will receive an edit report only. No data will be compiled and formatted.
7. Submit job shall be *YES. You want this to run in a batch environment, not interactively. This will cause resource problems on your system.

Resending Distributor Credits based on an Invoice Range

Follow the instructions given utilizing the invoice range versus the date range.

Resending Distributor Credits from Yesterday

The Date Range and Invoice Range are not required. These parameters can remain blank and should remain blank. Follow the instructions above from Step 4 onwards. In the Data Source parameter enter *YESTERDAY.

The above set of instructions are the more frequent methods used to resend the sales. It is not uncommon that a distributor will need to resend the prior days sales due to errors reported in the edit report.

Configuration for AR Account Posting for Compensation

Direct Retail Compensation processes will run for accounts with S* customer types. Armstrong is supplying pricing for these accounts in the order download. The RDC accounts (accounts where branch = RDC) pricing will continue to be maintained by the distributor, usually as base cost.

For the SSCs Armstrong will send pricing on the order download to the distributor so that the distributor knows what the compensation for the order will be. The distributor will be able to see a breakdown of the pricing by fees.

Configuration for invoicing and remittance/cash application is set by buying group using SET 5 tables.

With Direct Retail Compensation you now have the ability to have material and freight posted to separate AR ledgers. Set GL defaults and set variance percentages by buying group.

- “Processes” on page 11
- “Invoicing” on page 13
- “Voucher Remittance” on page 14
- “Reports and Inquiries” on page 16
- “Compensation Fee Master Data” on page 22

Set-Up

SSC Compensation Configuration

This global table, ARMMISCSET, holds miscellaneous settings for all Armstrong processes. This table is setup in SET 5.

UPDATE		System Cross Reference Table File Maintenance	
Table Name:	ARMMISCSET	Desc:	ARMSTRONG MISC SETTINGS
Position To:		Comm:	- USE FOR GLOBAL FLAGS/OPTS
"From" Description:	"To" Description:	Allow Duplicate Values	
FLAG/OPT NAME	YES/NO/SETTING	"From":	N (Y/N)
		"To":	Y
"From" Values:	"To" Values:		
COMPDBAACCTOVR	YES		
COMPPRCXRPTINV	YES		
COMPREMIDELVAROVR	YES		
COMPREMITNOINVOA	YES		
COMPREMITNOLGROA	YES		
COMPSUPPRCOVR	YES		

Compensation entries valid for this table:

From Value	Recommended Setting Where used	Description
COMPDBAACCTOVR	YES (Used during invoicing with NJ)	Override accounts by DBA are stored file SUPPPRCF for orders downloaded by Armstrong. <ul style="list-style-type: none"> • Yes - check to see if there is a DBA account override and use for salesman assignment. • No - use the account number of the invoice when assigning the salesperson.
COMPPRCEXRPTINV	YES (Used during invoicing with NJ)	<ul style="list-style-type: none"> • Yes - a report is produced with NJ showing orders that did not receive Armstrong's pricing. • No - you can still run this report on demand using RDC 45.
COMPREMITDELVAROVR	YES (Used during cash apply)	<ul style="list-style-type: none"> • Yes - any overpayment is posted as an OA to the account in the chain code XXXSVC ACT table. (It is assumed that any overage is due to freight) • No - any overpayment will be posted as an OA to account 099999.
COMPREMITNOINVOA	YES (Used during cash apply)	Yes means that when no invoice is found during cash apply the amount will be written to the AR Account ledger as an OA.
COMPSPUPRCOVR	YES (Used during inbound 850 order)	Yes means that if Armstrong sends pricing on the inbound 850 it will be used on the order.

Tables Based on Buying Groups

There are 2 tables that can be setup by buying group. These tables are also setup in SET 5 and control invoicing and cash application/remittance options. The table names for the buying group specific tables will start with the chain code that identifies the buying group.

On your system, replace the XXX with the chain code for the buying group that you are setting up. For example CCA might be a chain code. You would replace the XXX in the examples below with CCA.

Table XXXSVCACT

Table XXXSVCACT is used during invoicing and during cash apply.

INQUIRE		System Cross Reference Table File Maintenance	
Table Name:	CCASVCACT	Desc:	CCA DELIVERY CHARGE
Position To:		Comm:	A/R ACCOUNT OVERRIDE
"From" Description:	KEY	"To" Description:	CO(1)+ACCT(5)
		Allow Duplicate Values	"From": N (Y/N)
			"To": N
<u>"From" Values:</u>		<u>"To" Values:</u>	
DELV FEE AR ACCOUNT		017600	

Below is the valid entry for this table.

“From Value” DELV FEE AR ACCOUNT - “To Value” billto account number

During invoicing of an order for a billto for this chain code lines 9966 and 9967 are split onto a separate invoice and posted to the AR ledger for the billto declared here.

During cash apply if a variance amount is to be applied with an OA it will be applied to this billto accounts AR ledger.

Table XXX820XREF

This table, xxx820XREF - Remittance Processing Options (in SET 5) is consulted when applying payments to the customer’s ledger.

INQUIRE		System Cross Reference Table File Maintenance	
Table Name:	CCA820XREF	Desc:	REMITTANCE PROCESSING OPTIONS
Position To:		Comm:	CCA SEGMENT
"From" Description:	CASH APPLICATION DFT	"To" Description:	VALUE
		Allow Duplicate Values	"From": N (Y/N)
			"To": Y
<u>"From" Values:</u>		<u>"To" Values:</u>	
GL DFT ACCOUNT		50030	
GL DFT BRANCH		RDL	
GL DFT CCTR		VIN	
PARTIAL PAY		Y	
PARTIAL PAY DISP CD		P	
VARIANCE CHECK		Y	
VARIANCE PCT			00300

From Values	To Values
GL DFT ACCOUNT	Five character GL account number to apply variances to.
GL DFT BRANCH	Three character branch code to apply variances to.
GL DFT CCTR	Three character cost center code to apply variances to.

From Values	To Values
PARTIAL PAY	<p>Should underages be marked as partial-pay?</p> <ul style="list-style-type: none"> • Y means that an underpayment will be marked as PP • N means that an underpayment will be marked as PF. • An overage/underage balance will post to variance account on miscellaneous cash.
PARTIAL PAY DISP CD:	<p>Dispute code to assign to partial pay. Valid values found in DISPUTE file.</p> <p>* - means no dispute code is assigned. This is only valid when the above setting is Y.</p>
VARIANCE CHECK	<p>Perform a variance tolerance check.</p> <p>Y means that if the amount that Armstrong paid does not exactly match the open balance then check the variance percent to see if the difference is within the percent declared. If it is, then it will mark the invoice PF with the difference being written off of discount.</p>
VARIANCE PCT	<p>Default percentage, right-justified, leading zeros required. (Example 00300 is 3%)</p>

System Wide setting Compensation and Cash Application Controls (RDC 34)

If a XXX820XREF table does not exist for a chain code (the XXX in the Table title), the options under the System Wide setting Compensation and Cash Application Controls (menu option RDC 34) are used.

```

UPDATE          System Wide Settings Maintenance

Compensation and Cash Application Controls

Execute Order Editing during Invoice Compensation for Servicing
Subcontractor Orders?..... (Y/N)  Y
Type of Order Editing..... (A/ )  A
  A - Verify a Marketing Program of NAA, NAB, NAC, or NAD is assigned to order
  B - This method has not been defined

RDC Cash Remittance Processing
Variance Threshold for RDC Order.... Amount  000000  Percentage  0000000
Variance Threshold for S/S Order.... Amount  000000  Percentage  0000000

Cash Application Defaults for Armstrong Compensation Calculation:
General Ledger defaults for account 99999- Branch  RAL  Cctr  CER  GL Acct  21000

Partial Pay under payments from Armstrong? Y/N  Y  Dispute Code  A
    
```

Note: The settings in the middle of the screen, as noted above, are disabled and have no effect on cash application.

Processes

Inbound EDI 850 Order Creation

Armstrong sends component buyback and compensation fees in the 850 to be accumulated into the unit price. (See Configuration for EDI Inbound orders from Armstrong for details on how pricing data is passed in the 850).

The inbound order edit displays the message ***** SUPPLIER PRICING IN EFFECT *****.

```

*.....1.....2.....3.....4.....5.....6.....7.....8.....9.....8.....1.....2.....3
9/12/11  TIME 13:42:10                               PAGE:
REQUESTED BY: SUPPORT                                INBOUND EDI ORDERS EDIT FOR- ARMSTRONG POS          MEMBER: M89121342    EDT850
CIN
CONTRACT/PO # ...: 1005711528                        PROCESS TYPE: 5
CUSTOMER P.O.#...: CS004513                          - ACCOUNT NAME/ADDRESS INFO -
SHIP TO CRA LOC: 5P00                                NAME:
BILL TO RECEIVED: 089805                             PROSOURCE OF PITTS (ARM/AMP)
                                                         DBA D&J VENTURES, INC. (68.50)
                                                         CRANBERRY TOWNSHIP          PA 16066

ENTERED SYSTEM DTE: 20110912
DELIVERY REQUESTED: 20110912      NEXT SCHEDULE DATE: 20110914
CES ORDER #.....: 1005711520  IDOC #: 0000000104656341  ORDER ASN CD.: 507  TAX IND.: Special Error - Held Order
MESSAGE .....: S/M SALES/KIPP
*** SUPPLIER PRICING IN EFFECT ***
REF #          ITEM#/DESC.          QUANTITY  UOM   SYS. PRICE  PO EXTENDED  RECV PRICE  LINES  BACKORDER
-----
5039096 0020  ARML3054121          20.00  CT   34.859 *        697.17      .000      002
5039096 0030  ARMH5461115           .20   CT   21.178 *         21.17      .000      001

```

If Armstrong pricing from the 850 was used then the pricing method on the order line will be A.

Note: To accumulate statistics on this pricing method A must be added to the Classifications Codes File (FIL 19).

The pricing detail can be viewed from Order inquiry using F24.

Order Inquiries & Utilities		Archived Files	
Order Inquiry By Ship Date	Acct# : 035686		
Bill Of Lading/Manifest/Drop Inquiry	Slmn#s:		
Build-A-Truck	Ware# : CIN		
Order Ship Date & Routing Updates	45439 Branch: CIN		
Credit Held/Released Orders Hist Inq By Ref#	Prc ETA OH/Stat		
Bar Coded Pick Labels Audit (date/time printed)	03694 LP 5		
Line Splitting Utility (split qty into 2 lines)	S/N# Location		
Shipto Search	1 LD06		
Allocation Swapping	F		
Unprocessed Orders & Holds Inquiry	478473		
Display Potential Duplicate Credits	FULL Status = #		
Assign Pro Number to Item	e 365.85 Slmn		
Change Account# and/or Branch/Slmn# of Open Order	272.00 Ware CIN		
Change Header Warehouse of Open Order	Order Ref#.. 5082390 Pricing Method/List# A LP Ship Dt 8/29/11		
Supplier Pricing & Compensation Analysis	Selected By ISO GP% 25.65 p		
Unit Cost \$ 54.400 Cost Allow .000 Ext Cost			
ENTER LINE# OR "0000" FOR ALL..: 10	F2=Dlvry.		

This utility displays all component buyback and compensation fees that make up the supplier unit price for an order line. The Direct RT price and the T-Price List number are also shown, if applicable. Use the **F1** and **F2** function keys to switch between lines on an order.

Compensation and Rebates

The **F9** function key allows you to toggle between Unit Price and Extended Compensation modes. Both modes show a net value of compensation minus discount.

Order Inquiries & Utilities		Archived Files			
Supplier Pricing & Compensation Analysis					
BRUCB214	5.00 in CT	DUNDEE STRIP SPICE			
777863 0010		3/4" X 2 1/4" ME, SE			
Direct RT Price =		70.800			
UNIT					
Code Description	Price/Unit	Pct	Rate	UM	Per
ZA86 AFP Wood Material Buyback F	60.800		3.04	SF	1
ZLOG Logistics Fee	9.558	13.50			
ZISS In Store Service Fee	1.770	2.50			
ZFT5 F0 Freight Inbound	.824		1.47	LB	100
ZFTN SSC Energy Surcharge	.218	.36			
Total Unit Price	73.170				
ZM38 Cash Discount Buyback %	.912-	1.50-			
Net Unit Price	72.258				
More...					
F1=Next Line		F2=Prev Line	F6/F7=Return	F9=Ext Comp	Roll Up/Down
Unit Cost \$	54.400	Cost Allow	.000	Ext Cost	272.00 Ware CIN
Order Ref#..	5082390	Pricing Method/List#	A LP	Ship Dt	8/29/11
Selected By	ISO			GP%	25.65 p
ENTER LINE# OR "0000" FOR ALL..:		10	F2=Dlvry.		

Press **F9** to display the Extended Compensation mode.

Order Inquiries & Utilities		Archived Files			
Supplier Pricing & Compensation Analysis					
BRUCB214	5.00 in CT	DUNDEE STRIP SPICE			
777863 0010		3/4" X 2 1/4" ME, SE			
Direct RT Price =		354.000			
COMP					
Code Description	Ext Comp	Pct	Rate	UM	Per
ZA86 AFP Wood Material Buyback F	304.000		3.04	SF	1
ZLOG Logistics Fee	47.790	13.50			
ZISS In Store Service Fee	8.850	2.50			
ZFT5 F0 Freight Inbound	4.120		1.47	LB	100
ZFTN SSC Energy Surcharge	1.090	.36			
Total Ext Compensation	365.850				
ZM38 Cash Discount Buyback %	4.560-	1.50-			
Net Ext Compensation	361.290				
More...					
F1=Next Line		F2=Prev Line	F6/F7=Return	F9=Prc/Unit	Roll Up/Down
Unit Cost \$	54.400	Cost Allow	.000	Ext Cost	272.00 Ware CIN
Order Ref#..	5082390	Pricing Method/List#	A LP	Ship Dt	8/29/11
Selected By	ISO			GP%	25.65 p
ENTER LINE# OR "0000" FOR ALL..:		10	F2=Dlvry.		

The following percentage-based fees are based on Direct RT price, if it is present. Otherwise, all fees are based on Buyback.

- ZISS - In Store Service Fee
- ZLOG - Logistics Fee

It is important to note that all values seen on the Supplier Pricing & Compensation Analysis screen are values sent from Armstrong. The only calculations performed by Dancik are factor conversions for changes in Unit of Measure. Small variances may occur due to differences in a distributors packaging file and product standards set at Armstrong. If a particular fee appears without a value, it is likely that is how Armstrong sent it.

Shipto Automatch

The Shipto Automatch functionality has been enhanced to consider the DBA of the alternate Shipto first, if sent in the download.

- If matched, the account number of the DBA Billto is retained for use during salesperson assignment at time of invoicing.
- If a shipto by DBA is not matched, then normal matching by address is performed.
- If the DBA is invalid or multiple accounts are found, the order will be held in unprocessed.
- If the shipto by address is invalid or multiple accounts are found the order will be held in unprocessed.

Invoicing

If you invoice an order that is for a chain code that you configured to put delivery charge/minimum order charge on a separate account then if lines 9966 and 9967 are either entered on the order or generated during NJ these lines will be split onto a separate invoice. This invoice will use the same billto account as the orders being billed. Night jobs will post this invoice to AR account set in the Billto file.

The account number that displays at the top left of each invoice is the AR ledger that the invoice posted to. On the freight invoices line 9966 will read Delivery Charges. Line 9967 will carry the text from the minimum order charges file.

I N V O I C E F I L E							937-298-1550
Billed To Acct 017600		For:		Shipped To:		Inv# : 887531	
CWC OF OHIO, INC. (ARM/AWP)		CWC OF OHIO, INC. (ARM/AWP)				Acct# : 089812	
DBA PROSOURCE OF DAYTON(68.50)		DBA PROSOURCE OF DAYTON(68.50)				Slmn#s:	
2289 ARBOR BLVD.		2289 ARBOR BLVD.				Ware# : CIN	
DAYTON OH 45439		DAYTON OH 45439				Branch: CIN	
Inv-Date	Ship-Date	Ship Via	FOB	Cust P.O.# / Job	Prc-List	H.Chg/Disc	
3/20/12	3/20/12	OT DD		COMPII18B 1005606534	BC	19.05 % L	
Line	Item#	Description			Qty	Ext-Price	
9967		Delivery Charges assessed 03/20/12 shipments				68.50	
Terms: 1% 30, NET 31		A/R Acct=OHIO VALLEY FREIGHT					
Totals: H.Chg: .00 Tax: .00 Frt: .00						Total: 68.50	
						Cost: .00	
ENTER LINE# TO SEE MORE DETAILS: , , , , , (line 0000=display all lines)							
Enter=Forward. F7=E0J. F8=1st Screen. F12=Manifest & B/L#s.						F5=Notepad	

Voucher Remittance

If chain specific tables are not found in SET 5 then RDC 34 Cash Application Defaults for Armstrong Compensation Calculation is used for default account, branch and cost center.

Steps to process, edit and post remittance from Armstrong for SSC business.

1. RDC 33

Enter option 6 beside a member to process Servicing Subcontractor Payments. Doing this will move the payments to the workstation that you are on. This is the equivalent of entering the payments via AR option 1. This also creates the Cash Apply report.

2. RDC 42

This option is the equivalent of running AR 2 to print an edit of the payments on your workstation. RDC 42 was created to allow multiple payments on the same invoice in the same batch. ***It is important that you use RDC 42 instead of AR 2 to edit the remittances.***

3. RDC 43

This option is the equivalent of running AR 3 to post the payments on your workstation. RDC 43 was created to allow multiple payments to be posted to the same invoice in the same batch. ***It is important that you use RDC 43 instead of AR 3 to post the remittances.***

Variances

The following examples are intended to demonstrate how the system handles payment variances on both material and freight invoices.

Material Invoice

Assumptions for this example:

- Invoice 123456 is a 2-line material invoice for \$90.00.
- Invoice Billto account is chain CCA and resolves to AR override account 89800 (OVF Bill-to A/R override for CCA Chain code accounts).
- G/L Account 12345 is the material variance account.
- Payment variance is 5%

Under Tolerance = Partial-Pay		
-----	85.50	-----
Variance Tolerance 5%		- W/I Tolerance but short = PF + underage to variance (Acct 99999, G/L 12345)
Invoice 123456	90.00	Within Tolerance = Pay-in-Full
		- W/I Tolerance but over = PF + overage to variance (Acct 99999, G/L 12345)
-----	94.50	-----
Over Tolerance = On-Account		

Remittance Examples

- **Underpayment outside the variance** - Invoice 123456 remitted short at \$83.00. Variance of \$7.00 is outside the allowed tolerance. Cash applied as \$83.00 partial-pay.
- **Underpayment within the variance** - Invoice 123456 remitted short at \$88.00. Variance of \$2.00 is within the allowed tolerance. Cash applied as \$90.00 paid-in-full, with a \$2.00 credit to variance (negative amount).
- **Invoice Paid in Full (correct amount)** - Invoice 123456 remitted at \$90.00. Cash applied as \$90.00 paid-in-full.
- **Overpayment within the variance** - Invoice 123456 remitted over at \$93.00. Variance of \$3.00 is within the allowed tolerance. Cash applied as \$90.00 paid-in-full, with a \$3.00 debit to variance (positive amount).
- **Overpayment outside of the variance** - Invoice 123456 remitted over at \$97.00. Variance of \$7.00 is outside the allowed tolerance. Cash applied as \$90.00 paid-in-full, with \$7.00 going On-Account to 89800 (Account 89800 is specified by chain code in the XXSVC ACT table).

Freight Invoice

Assumptions for this example:

- Invoice 123457 is a delivery charge invoice for \$68.50.
- Invoice 123458 is another material invoice for the same customer shipped the same day.
- Invoice Billto account is chain CCA and resolves to delivery charge A/R override account 17600 (OVF Servicing acct A/R override for CCA Chain code accounts via Xref table).
- G/L Account 56789 is the freight variance account.

Under Tolerance = Partial-Pay		
-----	65.08	-----
Variance Tolerance 5%		- W/I Tolerance but short = PF + underage to variance (Acct 99999, G/L 56789)
Invoice 123457	68.50	Within Tolerance = Pay-in-Full
		- W/I Tolerance but over = PF + overage to variance (Acct 99999, G/L 56789)
-----	71.93	-----
Over Tolerance = On-Account		

Remittance Examples

- **Overpayment within Variance** - Material Invoice 123456 is remitted. The delivery charge portion of the remittance is \$66.00. Variance of \$2.50 is within the allowed tolerance. Cash applied to Invoice 123457 as \$68.50 paid-in-full, with a \$2.50 credit to variance.
- **Second Freight Invoice is remitted** - Invoice 123458 is remitted. The delivery charge portion of the remittance is \$2.50. There is no open AR on which to apply the cash. Cash written to as a \$2.50 debit to variance.

Reports and Inquiries

Supplier Pricing and Compensation Analysis Screen

To access this screen press F24 from within Order Inquiry. This utility displays all component buyback and compensation fees that make up the supplier unit price for an order line.

<u>Order Inquiries & Utilities</u> Archived Files													
<p>Order Inquiry By Ship Date Bill Of Lading/Manifest/Drop Inquiry Build-A-Truck Order Ship Date & Routing Updates Credit Held/Released Orders Hist Inq By Ref# Bar Coded Pick Labels Audit (date/time printed) Line Splitting Utility (split qty into 2 lines) Shipto Search Allocation Swapping Unprocessed Orders & Holds Inquiry Display Potential Duplicate Credits Assign Pro Number to Item Change Account# and/or Branch/Slmn# of Open Order Change Header Warehouse of Open Order Supplier Pricing & Compensation Analysis</p>	<p>Acct# : 035686 Slmn#: Ware# : CIN 45439 Branch: CIN <table border="1"> <thead> <tr> <th>Prc</th> <th>ETA</th> <th>OH/Stat</th> </tr> </thead> <tbody> <tr> <td>03694 LP</td> <td></td> <td>5</td> </tr> <tr> <th>S/N#</th> <th colspan="2">Location</th> </tr> <tr> <td>1</td> <td colspan="2">LD06</td> </tr> </tbody> </table> F 478473 FULL Status = # e 365.85 Slmn 272.00 Ware CIN Order Ref#.. 5082390 Pricing Method/List# A LP Ship Dt 8/29/11 Selected By ISO GP% 25.65 p</p>	Prc	ETA	OH/Stat	03694 LP		5	S/N#	Location		1	LD06	
Prc	ETA	OH/Stat											
03694 LP		5											
S/N#	Location												
1	LD06												
ENTER LINE# OR "0000" FOR ALL...: 10 F2=Dlvry.													

Salesperson Update Edit

This report is generated during night jobs. A new exception indicator (*) is used on the Salesperson Update Edit to show a DBA Account override is in use. It will appear directly to the right of the account number. * = DBA Acct# Override.

5/19/12	1:44	SALESPERSON # ASSIGNMENTS		
DE R S		PAGE		1
ORDER#	LINE#	SALESPERSON	ASSIGNMENTS	EXTENDED PRICE
ITEM#	ORD REF#			
477590	10		* Invalid Slmn#!	
*	399.00	026357	JJHTOPMARK71680	9634306
477590	20		* Invalid Slmn#!	
*	495.00	026357	JJHTRUEBLUE71660	9634306
478049	10		* Invalid Slmn#!	
*	99.00	003009	ARM453R	9635419
478049	20		* Invalid Slmn#!	
*	.00	003009	ARM60661	9635419
478464	10		* Invalid Slmn#!	
*	330.00	030367	JJHTRUEBLUE71660	9636348
478464	20		* Invalid Slmn#!	
*	495.00	030367	JJHTRUEBLUE71660	9636348

Supplier Price Exception Report

This report is run with invoicing during night jobs. Since orders are downloaded with pricing directly from Armstrong, orders that are manually entered can have a different pricing. This report identifies those manually entered order lines that do not have Armstrong supplier pricing.

3/20/12	11:51	SUPPLIER PRICE EXCEPTIONS FOR INVOICES				
RUN AUTOMATICALLY BY NIGHT JOBS						
INVOICE#	LINE#	COMMENT	EXTENDED PRICE	ACCT#	ITEM#	ORDER#
887481	50	Order line entered manually.	182.92	016064	ARM66158401	385271
887487	20	Order line entered manually.	95.25	016064	ARM00288408	385278
887488	30	Order line entered manually.	226.68	016064	ARMD4141161	385278
887489	30	Order line entered manually.	26.45	016064	ARM00780408	385289
887490	20	Order line entered manually.	498.19	016064	ARM57200031	385289
887499	20	Order line entered manually.	2,132.17	016075	BRUEB525	385283
887510	30	Order line entered manually.	201.06	017063	ARML6528N8D	385304
887535	20	Order line entered manually.	723.80	089812	BRUCB214	385297
887536	40	Order line entered manually.	179.32	089812	ARM66158401	385300

RDC Compensation Voucher Report

This report is generated when vouchers are downloaded from Armstrong. The report is sorted by Chain code then drop number. Compensation and delivery charges are sub-totaled by drop. Compensation is also totaled by chain code and customer type.

Voucher report is sorted by branch but its not billto branch value. It originates from the program and relates to one of the 3 business categories below.

Branch data does not refer to a Dancik branch. Branch data in this case is a logical split of the types of customer:

- RDC - RDC/ASA business - Lowes and Home Depot

Compensation and Rebates

- S* - Servicing Subcontractor business - CCA, Sherwin Williams
- DIR - Direct shipments

3/28/12 12:02		RDC COMPENSATION VOUCHER REPORT															R0049R PAGE	
Servicing Subcontractor Vouchers																		
Chain... CCA - CCA GLOBAL ACCOUNTS																		
Drop... 1306280 Ship Date... 3/27/12 Customer #... 0 17063 CARPET ONE (ARM/AWP) 46240																		
Order	Line	Armstrong Item	Shipped	Qty UM	Material Rate	Ext Mat Amount	Delivery Fee	Inbound Freight	Weight	Whse Active Fee	Rush Fee	In-Store ServiceFee	Warehouse Fee	Cut Fee	Cash Discount	Cash Disc Pct	Energy Surcharge	
385356	10	FP57200031	7.00	CT	59.780	418.46	68.50	7.59				14.09	76.11		8.37		2.00	
Order Total Comp:					576.38	Delivery:	68.50											
Drop Total Comp:					576.38	Delivery:	68.50	Weight:	165.33									
Drop... 1306282 Ship Date... 3/28/12 Customer #... 0 17063 CARPET ONE (ARM/AWP) 46240																		
Order	Line	Armstrong Item	Shipped	Qty UM	Material Rate	Ext Mat Amount	Delivery Fee	Inbound Freight	Weight	Whse Active Fee	Rush Fee	In-Store ServiceFee	Warehouse Fee	Cut Fee	Cash Discount	Cash Disc Pct	Energy Surcharge	
385353	10	FP26500401	53.33	SY	9.340	498.11	68.50					12.75	68.83	40.00	24.91	5.00	2.49	
Order Total Comp:					665.77	Delivery:	68.50											
Drop Total Comp:					665.77	Delivery:	68.50	Weight:	1100.06									
Drop... 1306285 Ship Date... 3/28/12 Customer #... 0 16064 CARPET ONE FLR & HOMB (ARM/AWP) 45805																		
Order	Line	Armstrong Item	Shipped	Qty UM	Material Rate	Ext Mat Amount	Delivery Fee	Inbound Freight	Weight	Whse Active Fee	Rush Fee	In-Store ServiceFee	Warehouse Fee	Cut Fee	Cash Discount	Cash Disc Pct	Energy Surcharge	
385358	10	FP5402115	7.00	CT	87.450	122.43	1.06					3.92	21.19				.61	
385358	20	FP00780408	6.00	GA	22.220	133.32	3.97					4.03	21.74		6.67	5.00	.67	
385358	30	FP57200031	9.00	CT	59.780	538.02	35.32	9.75				18.12	97.86		10.76	2.00		
Order Total Comp:					994.58	Delivery:	40.35											
385359	10	FP00288408	6.00	GA	26.670	160.02	3.36					4.57	24.66		8.00	5.00	.80	
385359	20	FP693408C	7.00	GA	33.710	235.97	5.01					7.97	43.03		4.72	2.00	1.18	
385359	30	FP04141161	7.00	CT	63.470	444.29	19.78	5.47				13.76	74.33		8.89	2.00	2.22	
Order Total Comp:					1024.81	Delivery:	28.15											
Drop Total Comp:					2019.39	Delivery:	68.50	Weight:	336.00									
Drop... 1306286 Ship Date... 3/28/12 Customer #... 0 89811 PROSOURCE OF LEX (ARM/AWP) 40509																		
Order	Line	Armstrong Item	Shipped	Qty UM	Material Rate	Ext Mat Amount	Delivery Fee	Inbound Freight	Weight	Whse Active Fee	Rush Fee	In-Store ServiceFee	Warehouse Fee	Cut Fee	Cash Discount	Cash Disc Pct	Energy Surcharge	
385363	10	FP028214	6.00	SP	3.040	364.80	68.50	4.94				10.62	57.35		5.47	1.50	1.31	
Order Total Comp:					502.05	Delivery:	68.50											
Drop Total Comp:					502.05	Delivery:	68.50	Weight:	336.00									
Chain CCA Total Comp:					3763.59	Delivery:	274.00											
Chain... DBA - BRANCH BUS/ARM																		
Drop... 1306284 Ship Date... 3/28/12 Customer #... 0 17064 VOOZ CARPET ONE (ARM/AWP) 46038																		
Order	Line	Armstrong Item	Shipped	Qty UM	Material Rate	Ext Mat Amount	Delivery Fee	Inbound Freight	Weight	Whse Active Fee	Rush Fee	In-Store ServiceFee	Warehouse Fee	Cut Fee	Cash Discount	Cash Disc Pct	Energy Surcharge	
385360	10	FP66158401	40.00	SY	4.520	180.80	12.40					4.93	26.62	18.00	9.04	5.00	.90	
Order Total Comp:					234.61	Delivery:	12.40											
385361	10	FP028211	10.00	SP	3.040	608.00	56.10	8.23				17.70	95.58		9.12	1.50	2.19	
Order Total Comp:					778.68	Delivery:	56.10											
Drop Total Comp:					1013.29	Delivery:	68.50	Weight:	684.00									
Chain DBA Total Comp:					2459.27	Delivery:	205.50											
Branch S* Total Comp:					6222.86	Delivery:	479.50											
Total Compensation:					6222.86	Delivery:	479.50											

Note: Credits/adjustments are not included in the EDI download. They should be on the weekly voucher detail report.

Voucher Delivery Fee Summary Report

This report is generated when vouchers are downloaded from Armstrong. It is sorted by Branch then Chain code.

VOUCHER DELIVERY FEE SUMMARY REPORT					
Branch	Chain	Drop #	Order #	Delivery Fee	Item #
S*	CCA	1306280	385356	68.50	FP57200031
		Drop Total		68.50	
S*	CCA	1306282	385353	68.50	FPX6500401
		Drop Total		68.50	
S*	CCA	1306285	385358	1.06	FPHS4D2115
S*	CCA	1306285	385358	3.97	FP00780408
S*	CCA	1306285	385358	35.32	FP57200031
S*	CCA	1306285	385359	3.36	FP00288408
S*	CCA	1306285	385359	5.01	FP693408C
S*	CCA	1306285	385359	19.78	FPD4141161
		Drop Total		68.50	
S*	CCA	1306286	385363	68.50	FPCB214
		Drop Total		68.50	
		Chain Total		274.00	
S*	DBA	1306281	385354	68.50	FPCB214
		Drop Total		68.50	
S*	DBA	1306283	385352	1.85	FPPT721R
S*	DBA	1306283	385357	52.20	FPCB211
S*	DBA	1306283	385362	14.45	FP66158401
		Drop Total		68.50	
S*	DBA	1306284	385360	12.40	FP66158401
S*	DBA	1306284	385361	56.10	FPCB211
		Drop Total		68.50	
		Chain Total		205.50	
		Branch Total		479.50	
		Grand Total		479.50	

Cash Apply Report

This report is generated by RDC 33 processing. It prints remittance totals that correspond to the deposit from Armstrong. The payments not applied are also printed. This total will gather the cash included in the Armstrong deposit but not included in the cash edit. If the Amount Not Applied is blank, that signifies that there were no problems finding an invoice in which to apply cash. If an amount is shown, that is the amount not applied to any invoice.

Note: The System Table ARMMISCSET contains settings that control how transactions are posted and therefore how they display on the Cash Apply report. For example, the table setting COMPREMITNOINVOA allows you to post remittances with no invoices to an OA account or to drop them from the cash edit. For more information refer to, "System Table (SET 5) ARMMISCSET" on page 7.

Compensation and Rebates

5/04/12 RDC AUTOMATIC CASH APPLICATION DISBURSEMENTS EDT821I PAGE 1													
-----Invoice-----				-----Disbursements-----									
Drop	Account	Name	City	Invoice	Date	Amount	Check	Amt	Applied	Dis	Applied	Batch	Pay
1306292	16064	CARPET ONE FLR & HOME (ARM/AWP)	LIMA	887634	4/27/12	1680.36	0015/ 385366	1680.36			27.84	012	PF
				887635	4/27/12	68.50		68.50				012	PF
						Check Amount		1721.02	*				
						Amount Applied to Invoices		1748.86					
						Less Discounts		27.84					
						Batch Total		1721.02					
						Amount Not Applied to Invoices							
						Total Remittance		1748.86					

X by Y Compensation analysis (RDC 44)

This is an on demand report access from menu RDC option 44. It allows you to compare the Armstrong payment information sent via vouchers (810) and remittances (820) against the invoice data. The report supports both sales and remittance analysis. DIR transactions are included on a supplemental report which can be requested in the xbyy report options. We recommend that this report be run with the X parameter set to chain and the Y set to account. Entries on the report that say “No record found” were most likely entered manually and used Dancik pricing.

In the example report shown below:

- There are two variances (6.573 and 6.656) between what Armstrong paid for freight and what they were invoiced.
- Entries with “No record found” were probably entered manually and used Dancik pricing. The pricing method code for this type of orders is “R”. A pricing method code of “A” signifies that the pricing data come via EDI.

3/22/12 " X B Y Y " COMP ANALYSIS REPORT

CHAIN CODE	ACCOUNT#	INV#	DATE	ACCT	SUP	WAR	BRN	SIM	ITEM#	LOT#	ITEM DESC	QTY	UM	METHOD	PRICE	UNIT		
CCA	016064	887477	032012	CARPET ONE FLR 001	CIN	COL	072	ARM00288408	S288		GLASS BACKED SHEET FLRG.	6.00	EA	A	BC	31.675		
*COMPENSATION**--BUYBACK---DISC---*---CUT FEE--ENERGY SC---INB FRT---ISS FEE---LOG FEE--MERCH FEE--RUSH FEE---DELIVERY**---UNIT																		
Order:	385269	EXTENDED	160.020	7.998-	.000	.798	.000	4.572	24.660	.000	.000	.000	.000	.000	.762			
Vouch:	15104718	REMIT	160.020	7.998-	.000	.798	.000	4.572	24.660	.000	.000	.000	.000	.000	.762			
		VARIANCE	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000			
CCA	016064	887478	032012	CARPET ONE FLR 001	CIN	COL	072	ARM693408C	S-693		PREMIXED GROUT	7.00	GA	A	BC	41.165		
*COMPENSATION**--BUYBACK---DISC---*---CUT FEE--ENERGY SC---INB FRT---ISS FEE---LOG FEE--MERCH FEE--RUSH FEE---DELIVERY**---UNIT																		
Order:	385269	EXTENDED	235.970	4.718-	.000	1.183	.000	7.973	43.029	.000	.000	.000	.000	.000	1.127			
Vouch:	15104719	REMIT	235.970	4.718-	.000	1.183	.000	7.973	43.029	.000	.000	.000	.000	.000	1.127			
		VARIANCE	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000			
CCA	016064	887478	032012	CARPET ONE FLR 001	CIN	COL	072	ARMD4141161	ALTERNA		CINNAMON 16 X 16	7.00	CT	A	BC	77.153		
*COMPENSATION**--BUYBACK---DISC---*---CUT FEE--ENERGY SC---INB FRT---ISS FEE---LOG FEE--MERCH FEE--RUSH FEE---DELIVERY**---UNIT																		
Order:	385269	EXTENDED	444.290	8.890-	.000	2.219	5.467	13.762	74.333	.000	.000	.000	.000	.000	4.480			
Vouch:	15104719	REMIT	444.290	8.890-	.000	2.219	5.467	13.762	74.333	.000	.000	.000	.000	.000	4.480			
		VARIANCE	.000	.000	.000	.000	6.573-	.000	.000	.000	.000	.000	.000	.000	.000			
CCA	016064	887480	032012	CARPET ONE FLR 001	CIN	COL	072	ARMTPO18491	NATURAL		CREATIONS 4X36	8.00	CT	A	BC	152.762		
*COMPENSATION**--BUYBACK---DISC---*---CUT FEE--ENERGY SC---INB FRT---ISS FEE---LOG FEE--MERCH FEE--RUSH FEE---DELIVERY**---UNIT																		
Order:	385270	EXTENDED	1012.240	20.240-	.000	5.064	7.104	30.888	166.800	.000	.000	.000	.000	.000	5.824			
Vouch:	15104720	REMIT	1012.240	20.240-	.000	5.064	7.104	30.888	166.800	.000	.000	.000	.000	.000	5.824			
		VARIANCE	.000	.000	.000	.000	6.656-	.000	.000	.000	.000	.000	.000	.000	.000			
CCA	016064	887481	032012	CARPET ONE FLR 001	CIN	COL	072	ARM66158401	INITIATOR		COPPER	12'	34.00	SY	R	BC	C	5.380
*COMPENSATION**--BUYBACK---DISC---*---CUT FEE--ENERGY SC---INB FRT---ISS FEE---LOG FEE--MERCH FEE--RUSH FEE---DELIVERY**---UNIT																		
Vouch:	15104732	REMIT	153.680	7.684	15.300-	.782	.000	4.182	22.644	.000	.000	.000	.000	.000	1.496			
		VARIANCE	153.680	7.684	15.300-	.782	.000	4.182	22.644	.000	.000	.000	.000	.000	1.496			

Direct Sales Report

The direct report program code is integrated into the X by Y Comp report. The direct report is a second spooled file report within the option. This following screen is part of the X by Y report generation process.

```

X BY Y COMPENSATION ANALYSIS REPORT

ENTER "1" TO GENERATE an additional DIRECT Sales report.
      (this is the default option)

      or "2" to not generate the report.

Enter one of the listed options:          1

```

Notes about the Direct Sales Report

- The Direct Sales Report sorts by chain code and account only. This means that the only parameters brought over from the main X by Y report are the chain code and account.
- You can limit the report to an account or chain on the first X by Y selection screen, or select specific values when selecting either field as an X or Y option.
- The report is given a _DIR designation. For example, T6CMPSLS_DIR.

Compensation and Rebates

- The report tries to match the DBA information with the chain code. The DBA information is stored in the Billto File.
- Any accounts that cannot be resolved to the Billto file will have a chain code of *ZZZ* assigned and will appear at the bottom of the report with the account name provided on the direct voucher. The full name and address are included on the Excel output.
- A salesperson code of *ZZZ* indicates that the salesperson could not be validated. Some reasons for this might be an invalid item or invalid account.

Chain	Account	Name	DBA	Ship Date	Voucher	Line	Item Number	Description	Qty Shipped	UM	Fee	Comp
CCA	89815	PROSOURCE OF KY., INC (ARM/AWP)	0025POH	02/16/12	9006290106	10		* No Item data on file			.00	G72
						20		* No Item data on file			.00	
						30		* No Item data on file			.00	G720
SHE	59401	SHERWIN WILLIAMS #1175 ARM/AWP	0301175	04/04/12	9006920594	10	ARM51839031	IMPERIAL TEXTURE FORTRESS WH	96.00	CT	G720	
						20	ARM00515418	515 CLEAR, THIN SPREAD ADHESIVE	3.00	PA	G720	
								Voucher Total:				
								Account Total:			G720	
								Chain Total:			G720	
ZZZ	999999	SAM KINNAIRD'S FLOORING OUTLET	X41H3N8	02/27/12	9006290495	10		* No Item data on file	.00		G720	
						20		* No Item data on file	.00		G720	
						30		* No Item data on file	.00		G720	
ZZZ	999999	SAM KINNAIRD'S FLOORING OUTLET	X41H3N8	05/24/12	9006927031	10		* No Item data on file				
								Voucher Total:				

Compensation Fee Master Data

Compensation Fee master data is kept in file COMPFEE. These codes are broken down into three types - Buyback, Compensation, and Direct Retail. Buyback and Compensation are used to determine Supplier pricing. Direct fees are informational only. Any additions or changes to this data will have to be addressed manually until a future project to automate a download process is completed.

Code	Description	Type
ZA86	AFP Wood Material Buyback F	B - Buyback
ZBB1	RDC Sheet Material Buyback T	B
ZBB2	RDC Tile Material Buyback T	B
ZBB3	AFP Wood Material Buyback T	B
ZM30	RDC Tile Material Buyback F	B
ZM31	RDC Sheet Material Buyback F	B
ZM38	Cash Discount Buyback %	B
ZCUT	Cut Fee	C - Compensation
ZFT5	FO Freight Inbound	C
ZFTN	SSC Energy Surcharge	C
ZISS	In Store Service Fee	C
ZLOG	Logistics Fee	C

Code	Description	Type
ZSEP	Merchandising Assist Fee	C
PB00	Price (Gross)	D - Direct Retail
PN00	Price (Net)	D
ZCR1	Direct Ceramic	D
ZDD2	DS Deviated Sht Loc	D
ZDD4	DS Deviated Oth Loc	D
ZDD5	DS Special Price Lst	D
ZDD7	Direct % Discount Loc	D
ZDD9	Direct Qty Disc Loc	D
ZDRP	Direct Drop/Disc	D
ZHI1	Direct HWD IMA	D
ZHT1	Direct HWD Trim	D
ZHW2	Direct Hardwood Loc	D
ZIM1	Direct IMA	D
ZLM2	Direct Laminate Loc	D
ZOFF	Direct Offgoods	D
ZSC4	Direct Com Sheet Loc	D
ZSR2	Direct Res Sheet Loc	D
ZTC4	Direct Com Tile Loc	D
ZTC6	Direct Com LVT Loc	D
ZTR2	Direct Res Tile Loc	D

Configuration for Sales Extract

This process includes the “Send” of the data, and an X by Y for WTR Sales report that is generated based on the sales sent to Armstrong. In order to insure the report matches the data that is sent to Armstrong, the following guidelines must be met.

Execute the X by Y gross profit report by typing WTRGP on a command line

Execute the X by Y comparative analysis report from the attn menu, under Report menu WTR Gross Profit)

Omit Table Set-up

The Following OMIT Tables are used only for the X by Y for WTR Sales Report and for the Manufacturers Sales Tape Data sent to Armstrong. The “FMT” prefix for each table entry is ARM for Armstrong.

FMTBTOMIT - Bill To Omit table

Used to omit sales data based on the Bill To account number. Set up employees with a Bill-To number, Armstrong's Bill-To Number, or any other Bill-To account numbers you need to exclude from the sales data send. The sample below will exclude Bill-To for 000099 for Armstrong, 000100 for employee Sam Smith, 000101 for employee Janet Jones, etc.)

"From" Description: FMT(3)+BILLTO(6)	"To" Description: 'OMIT' "To": Y	Allow Duplicate Value "From": N (Y/N)
"From" Values: ARM000099 ARM000100 ARM000101	"To" Values: OMIT OMIT OMIT	

FMTCTOMIT - Customer Type Omit table

Used to omit sales data based on customer type. Set up the customer type in the customer master records for groups of customers that need to be excluded. An example of this is to assign customer type ARMNA for national accounts in the omit table and update the customer records for all of your national accounts (Sears, Home Depot, Lowes, Sherwin Williams, etc.) with customer type NA.

- Set up your customer records for employees with customer type EM and update the omit table with Customer Type ARMEM.
- Set up your other wholesale distributors customer records with Customer type OD or DW (or whatever code you find meaningful) and update the omit table with Customer Type ARMOD or ARMWD or ARMxx (where “xx” is the code you have assigned to other wholesale distributors).

- Set up your RDC customer records with Customer Type RD and update the omit table with Customer Type ARMRD.

The sample below excludes Customer types for Armstrong.

"From" Description: FMT ID + CUST TYPE	"To" Description: 'OMIT'	Allow Duplicate Values "From": N (Y/N)
"From" Values: ARMEM ARMNA ARMRD ARMWD	"To" Values: OMIT OMIT OMIT OMIT	"To": Y

FMTI1OMIT - Item Class 1 Omit table

You can use either Item Class 1 or Item Class 2 to do the same type of exclusion. This gives you the flexibility to use each item class for a different purpose.

Set up the Item Class Type 1 in the item master records for groups of items that need to be excluded. An example of this is to set up your sample items in the item master with Item Class 1 "SM" and update the Item Class 1 Omit Table with ARMSM. Set up your display items in the item master with Item Class 1 "DS" and update the Item Class 1 Omit Table with ARMDS.

The sample below excludes Item Class 1 for Armstrong.

"From" Description: FMT(3)+ITEM CL1(2)	"To" Description: OMIT	Allow Duplicate Values "From": N (Y/N)
"From" Values: ARMSM ARMDS	"To" Values: OMIT OMIT	"To": Y

FMTI2OMIT - Item Class 2 Omit table

You can use either Item Class 1 or Item Class 2 to do the same type of exclusion. This gives you the flexibility to use each item class for a different purpose.

Set up the Item Class Type 2 in the item master records for groups of items that need to be excluded. An example of this is to set up your sample items in the item master with Item Class 1 "SM" and update the Item Class 1 Omit Table with ARMSM. Set up your display items in the item master with Item Class 1 "DS" and update the Item Class 1 Omit Table with ARMDS.

The sample below excludes Item Class 2 for Armstrong.)

"From" Description: FMT(3)+ITEM CL1(2)	"To" Description: OMIT	Allow Duplicate Values "From": N (Y/N)
"From" Values: ARMSM ARMDS	"To" Values: OMIT OMIT	"To": Y

FMTMPOMIT - Marketing Program Omit table

Used to omit sales data based on marketing programs. The Marketing Program will automatically be updated in the sales record, based on the promo and customer it is assigned to. The only set up you will need to do is to update the Marketing Program Omit table with the marketing programs that need to be excluded. An example of this: If your "National America" marketing program needs to be excluded, and it is set up in your Marketing Program File as "NAA" you will update the Marketing Program Omit Table with ARMNAA. You may also have other Marketing Programs that need to be excluded, for example your marketing program for "National Canada" you have coded as NAC. Update the Marketing Plan Omit table with ARMNAC.

The sample below omits Marketing Program NAA and NAC for Armstrong.

"From" Description: FMT(3)+ MKTG PGM (3)	"To" Description: OMIT	Allow Duplicate Values "From": N (Y/N)
"From" Values: ARMNAA ARMNAC	"To" Values: OMIT OMIT	"To": Y

FMTPLOMIT - Product Line and Process Format ID Omit Table

(The sample below will Product lines CA3, S10, and SSS for Armstrong.) This table is not widely used for the WTR Omit purposes, but can be used for samples and displays that are coded as a specific Product Line, for supplies that are coded with a specific product line, etc.

Set up the Product Line in the item master records for groups of items that need to be excluded. An example of this is to set up your supplies items in the item master with Product Line "SSS" and update the Product Line Omit Table with ARMARMSSS. You can also set up additional product lines "S10, CA3, etc." as well.

"From" Description: FMTID(3)+ MFGR(3)+	"To" Description: PRDLN(9) OMIT	Allow Duplicate Values "From": N (Y/N)
"From" Values: ARMARMCA3 ARMARMS10 ARMARMSSS	"To" Values: OMIT OMIT OMIT	

Information You Should not Send

You should NOT send the following data. The method for this exclusion is indicated next to each type to exclude:

- Cutting charges - miscellaneous charge Automatically excluded - no set up required
- Freight charges - miscellaneous charge Automatically excluded - no set up required
- Shipping charges - miscellaneous charge Automatically excluded - no set up required
- Handling charges - miscellaneous charge Automatically excluded - no set up required
- Pricing adjustments - miscellaneous charge Automatically excluded - no set up required
- No charges - miscellaneous charge Automatically excluded - no set up required
- Back orders - miscellaneous charge Automatically excluded - no set up required
- Restock charges - miscellaneous charge Automatically excluded - no set up required
- Taxes - miscellaneous charge Automatically excluded - no set up required
- Samples, displays, and Inset data Set up in Item Class 1 or 2 OMIT Table
or FMTI1OMIT item class 1
or FMTI2OMIT item class 2
or set up in Product Line OMIT table FMTPL OMIT
- Invoices where Armstrong is the sold-to Set up in Bill To OMIT Table FMTBTOMIT
- Invoices with zero quantities/amounts Automatically excluded - no set up required
- Branch = RDCAutomatically excludes certain National Accounts. Others will need to be set up using the Customer Type Omit table
- Credits (return to Stock "N") Automatically excluded - no set up required
- Sales to other wholesaler/distributor Set up in Customer Type or Bill To OMIT Table
FMTBTOMIT Bill To
FMTCTOMIT Customer Type
- Employee purchases Set up in Customer Type or Bill To OMIT Table

FMTBTOMIT Bill To

orFMTCTOMIT Customer Type

- Only send credit memos for products returned to wholesaler/distributor inventory. They are to be identified as a negative quantity in the low order position of the product bill quantity (Product Bill Quantity (32-38)) field in the F record. (See technical requirements for details.)

Notes about the Omit Tables

- The Details of the Automatic Omits to exclude data are as follows:
 - Omit if not a detail record
 - Omit if it is a Purchasing/Transfer Account (00002)
 - Omit Miscellaneous Items
 - Omit Zero Quantity Shipped
 - Omit if Item Extended Price is zero
 - Omit Credits not being returned to stock - That is, the shipped quantity is negative and return to stock is "N"
 - Omit Branch RDC - This will only omit certain National Accounts (Home Depot, Lowes, Sears, etc.) that are predefined by Armstrong. All other National Accounts will need to be set up in the Omit Tables.
 - Omit Marketing Programs - The Marketing programs are in the Bill-To file (when accessing it from the system, you use the F14 key when you are in Bill-To Inquiry/File Maintenance). The Marketing Program codes are set up in the Classifications code file.
- In Night Jobs via GENTRAN, zero \$ items create an error and general message that no "T" (Total) record exists because of the zero \$ value on the Manufacturers Sales Tape Report. This does NOT stop processing. On the Night Job Manufacturers Sales Tape report on the right side you will see a message saying these will not be transmitted. This DOES NOT prevent the other data from being sent. Only these zero \$ records are not sent (which they should not be). As long as there are no errors on the LAST PAGE of the report, everything is OK. You should always check GENTRAN to make sure your data was acknowledged by Armstrong. IF processing stopped and data was not sent, you will see "*Processing Stopped" and in column 1 of the customer name there will be an * (asterisk) in the first position of the record that stopped the processing. You need to fix that record and rerun the job to send the data.

Note: In summary, your Manufacturers Sales Tape report will print zero \$ line items, but these will NOT be sent to Armstrong.
- While we cannot mandate how you set up the Omit tables for this process, we will highly recommend using the following logic in order to insure the appropriate data is excluded and that no other processes are affected by the way you have set up the Omit Tables for this purpose.
 - Sample and Display Data - Set up using Item Class 1 or Item Class 2 (FMTI1OMIT or FMTI2OMIT) Omit tables or Product Line (FMTPL OMIT) tables

Note: You will need to include all things related to samples and displays (such as literature, chain sets, etc.), as well as insets (like for basketball courts), in the omit tables. These are items that are exclusions in the WTR Sales Data.

- Employee Purchases - Set your employees up as Customer type “EM” and enter this in your FMTCTOMIT table.
- Sales to Other Wholesalers/Distributors - Set these customers up as Customer type “OD” and enter this in your FMTCTOMIT table.
- Special Marketing programs - Set these up in the FMTMPOMIT table.
- Invoices where Armstrong is the sold-to - Set the Armstrong account up in the FMTBTOMIT
- In order to insure that your report will have the appropriate data omitted, you must use the following selections when submitting it:
 - Select to run the report within a range of dates by using option R
 - Enter the “Analyze Dates from and to date range
 - Select to use the Ship Date Range (Shp Dt X)
 - Enter your company number, if desired
 - Enter ONLY ARM in the first field of the Manufacturer#s parameter
- DO NOT enter any other selections in the other fields (Account #s, Supplier#s, Branch#s, Salesperson#s, Warehouse#s, Product Lines, Marketing programs, Display Types, Item Classes, Cost Centers) If you enter parameters into any of these fields, your report may not reflect the data that is on the manufacturers sales tape. Please see the example below:

<p>SPECIAL "WTR" GROSS PROFIT ANALYSIS REPORT</p> <p>ENTER "R" TO RUN REPORT FOR SALES within a RANGE of dates, or "T" to run report for TODAY'S sales only, or "Y" to run report for YESTERDAY'S sales only.</p> <p>Enter one of the listed options: R</p>
--

```

SPECIAL "WTR" GROSS PROFIT ANALYSIS REPORT

Analyze Inv#s from:      to
Analyze Dates from: 000000 to 000000 (MMDDYY) Use Invoice Dt or Shp Dt X (X)

Enter Companys#: 2
Account#s:
Supplier#s:
Branch#s:
Salesperson#s:
Warehouse#s:
Manufacturer#s: ARM          ALL
Product Lines:
Marketing Programs:
Display Types:
Item Classes (1):
Cost Centers:

                                Leave
                                BLANK
                                for

                                Chains:
                                Policy:
Transaction Types:
Restrictions:

Include Trim?(Y/N) Y
Use Invoice, Standard, or House Costs (IC/SC/HC) IC
Include Sales Allowances?(Y/N) Y Funds? (Y/N) Cost Allowances? (Y/N) Y
Include Only Sales Within the GP% Span:      to      Override U/M:
    
```

- PLEASE NOTE: There will always be discrepancies between the Manufacturers Sales Tape Report and the new X by Y WTR Sales Gross Profit Report if an order has a ship date that is different than the invoice date, and the invoice date is not within the “Ship Date Range” parameter entered on the X by Y WTR Sales Gross Profit Report.

Reason - We have found the biggest issues in this area to be around customer pickup where the order is left with the original ship date assigned and the date is never updated when the order actually ships and is invoiced. As far as the system knows, the original (incorrect) ship date is the true ship date. It is recommended that you update the ship date to be the actual date the item was shipped in the case of customer pickup

Additional Set-up Tables

ARMMFGWTR

Default manufacturer definition. This table will be used to pre-define manufacturer to be used to avoid hard coded manufacturers within the program. Each RDC will be able to configure their own default manufacturers. Note that the *FMT in the “TO” field indicates the report format name.


```

INQUIRE                               System Cross Reference Table File Maintenance
table Name:  ARMMFGWTR                    Desc:  ARMSTRONG RDC SALES TAPE MFGR
Position To: _____                  Comm:  LISTING
  "From" Description:  "To" Description:  Allow Duplicate Value
  MFGR                MFGR / *FMT        "From":  N      (Y/N)
                                     "To":    N
  "From" Values:      "To" Values:
  ARM                 ARM
  BRU                 *FMT
  HAR                 HAR
  ROB                 ROB

```

FMTMPSEL

Marketing Program Selection Table: The entries in this table are based on the manufacturer code or codes entered via the EXPAWPW12 command. This table controls the invoice selection based on specific marketing programs. This table is not required to extract invoices but a distributor may want to report specific products by the marketing program code. In the "From" column you will make an entry with a value equal to the applicable manufacturer code concatenated with the marketing program. The 'To' column may contain the resulting value that is passed to the manufacturer to identify the marketing program.

FMTMFSEL

Manufacturer Code and Format Selection Cross Reference Table: This is a unique code identifying the process and the specific manufacturer receiving the sales. This allows a distributor to utilize multiple manufacturer codes for a specific manufacturer. For the purposes of AWP WTR Sales, the cross reference value utilized is 'AWP'. The 'From' column shall contain the manufacturer code utilized to extract the invoices. These manufacturer codes range from 'BRU' to 'HAR' to 'ROB' but vary from distributor to distributor. The 'To' column should contain the value 'AWP'.

```

INQUIRE                               System Cross Reference Table File Maintenance
Table Name:  FMTMFSEL                   Desc:  MFGR/FORMAT SELECTION
Position To:  _____               Comm:  - SELECT FORMAT BASED ON MFGR
  "From" Description:  "To" Description:  Allow Duplicate Values
MANUFACTURER (3)      FORMAT ID (3)      "From":  Y  (Y/N)
                                     "To":    Y
  "From" Values:      "To" Values:
  --POTOMAN          Add PO# To Manifest
  AOT                ARM
  ARM                ARM
  BRU                BRU
  DUP                DUP
  FOACCT+SHIPTO      Acct + ShipTo = N104
  HAR                HAR
  MON                DUP
  MONTAP             1BILLYS BIG RUG
  MONTAP             2ASK FOR JOHN
  MONTAP             35551212457
More...

```

Note: The above is an example of the table and reflects other entries utilized in the Dancik Enterprise System (DES). You will note there are two entries, 'AOT' and 'ARM' in the 'From' column and a value of 'ARM' in the 'To' column. The value in the 'To' column is referred to as the 'FORMAT' entry.

FMTSLSERR

Controls the processing of sales should an error occur during the extraction process. Under normal circumstances when sales data is being extracted, the process will prevent sales from being sent to a manufacturer if an error condition is issued. Some distributors prefer that their sales be sent rather than be delayed. This table entry controls that condition. If the table exists and the proper entry is made, the process will send sales data to the manufacturer even when an error condition is experienced. The edit report will reflect the sales data causing the error but the good sales data will be sent regardless. It is the responsibility of the distributor reporting the sales to correct the invoices in error and then resend that data manually one invoice at a time.

```

INQUIRE                               System Cross Reference Table File Maintenance
Table Name:  FMTSLSERR                  Desc:  PROCESS SALES ERRORS
Position To: _____                Comm:  PROCESS SALES OMITTING ERRORS
"From" Description:  TABLE ACCESS VALUE  "To" Description:  YES -OR- NO
Allow Duplicate Values
"From":  N      (Y/N)
"To":    N
"From" Values:  _____            "To" Values:  _____
SLSERRFLG      Y
  
```

Rules for Reporting

Note: The following information was provided by Steve Kreider and is what Armstrong's guidelines for the type of data the distributor should and should not send:

CUSTOMERS -- Distributor reported sales should only include Traditional accounts and FNA accounts billed by the Distributor. The complete product list and product hierarchy is shown on the attached file tab named "Lines to Report".

PROMO FILES - Armstrong has different rebate programs, such as Competitive Pricing and STP. Enter C or S to identify them. If the Subtype is anything else the promo code will not transmit and the invoice will be rejected.

- Subtype C would transmit like this - REF*ZZ*C REF*AU*59422 your promo has to have sub-type = C.
- Subtype S would transmit like this - REF*ZZ*S REF*AU*59422

EXCLUDE: RDC sales, sales to Armstrong, sales to other Armstrong Distributors, sales to FNA direct bill accounts like Sherwin Williams, Sears and 84 Lbr and Employee sales. * * Please note: You are given credit for the direct bill FNA sales as part of your traditional business, but since Armstrong invoices the customer we have all those sales numbers and pull them only from our data. Armstrong expects that direct bill FNA sales are not in the distributor traditional sales figures reported via your X by Y.

Note: If there are invoices for an FNA account for which the distributor billed the customer then that is considered a traditional sale and should be included in your X by Y. In this case Armstrong is not be the sold-to.

PRODUCTS -- Distributor reported product sales should only include Armstrong product invoices and product return-to-stock credit transactions.

EXCLUDE: Billings for samples, fees, cutting charges, price adjustments, displays, insets, etc.

DETAILED DOCUMENTATION -- All of the types of sales to be omitted or included are documented in the "Armstrong Wholesaler / Distributor Invoice Entry Procedures" document, commonly called the "Red Book".

STREAMLINED REQUIREMENTS - Report should be run omitting the following:

- Any sales where Armstrong is the sold-to (includes RDC, FNA direct bill, etc.)

- Sales to other distributors.

Manually Submitting the Sales Reporting via the EXPAWPW12 Command

The manual method, referred to as the On-Demand method, is executed simply by typing the following command on a command line and press [ENTER] to continue; EXPAWPW12. The following screen will be displayed:

```
                Create Sales Data File (CRTMFGRTAP)

Please make choices, press Enter.

Date Range:
From Date (MMDDYY) . . . . .  |_____  Date
To Date (MMDDYY) . . . . .  |_____  Date

Invoice# Range:
From Invoice# . . . . . |_____  1-999999
To Invoice# . . . . . |_____  1-999999

Manufacturer . . . . . > ARM      Character value
                        > ARW
                        > WWH
                        > ROB
                        > CAP

Additional Manufacturer . . . . > BRU      Character value
      + for more values  _____

Data Source . . . . . > *HISTORY  *HISTORY, *TODAY, *YESTERDAY
Create Data File . . . . . > *NO      *YES, *NO
Submit Job . . . . . > *YES     *YES, *NO

F1=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F14=More keys
```

The entries on this screen are based on the requirements of your sales extraction. When extracting history, yesterdays or today's invoices, the entries above shall change. It is uncommon for this command to be utilized for today's invoices since they are normally extracted as a part of the distributors night jobs. Distributors will normally utilize this to resend sales for a specific date, invoice or resending the prior nights invoices due to errors having been corrected.

Resending Sales History by a Date Range.

1. Enter the date range as required by the prompt screen. Enter the "From" date (beginning or starting date) in the required MMDDYY format.
2. Enter the "To" date (ending date) in the required MMDDYY format.

Note: Date range can be for a single day or a range. If for a single date, the date must be entered in the "From" and "To" parameters.

3. Invoice Range is not required when utilizing a date range.
4. Enter the applicable manufacturer code or codes that pertain to the Armstrong Wood Products sales. These manufacturers are retrieved from the default ARMMFGWTR table entries. The more common codes are "ARM - Armstrong", "BRU - Bruce", "HAR - Hart co", "ROB - Robbins" and "CAP - Capella". Only those that you use are required and if your manufacturer codes are different, use those.
5. Data Source shall be *HISTORY.
6. Create Data File shall be *YES. If you use *NO, you will receive an edit report only. No data will be compiled and formatted.
7. Submit job shall be *YES. You want this to run in a batch environment, not interactively. This will cause resource problems on your system.

Resending Sales History based on an Invoice Range

Follow the instructions given utilizing the invoice range versus the date range.

Resending Sales History from Yesterday

The Date Range and Invoice Range are not required. These parameters can remain blank and should remain blank. Follow the instructions above from Step 4 onwards. In the Data Source parameter enter *YESTERDAY.

The above set of instructions are the more frequent methods used to resend the sales. It is not uncommon that a distributor will need to resend the prior days sales due to errors reported in the edit report.

If a distributor has chosen to utilize the FMTSLSERR table entry and send sales even if errors occur, they will use this command to resend those specific invoices one invoice at a time.

The FMT omit/include tables are considered.

An invoice for an order that sent an OST should be omitted.

Configuration for Inbound Rebates

When the rebates come in from Armstrong the rebate reconciliation file is updated and a report is created.

The processing control table can be accessed by typing EDICTL on a command line.

This table must have format 81C by manufacturer set to P for process in order to have the invoice in AP 18 be marked as paid when the rebate comes in.

The print control table can be accessed by typing EDIPRT on a command line.

The reports will print to the outq assigned to function SCP/STP Credits.

Use these commands to find the reports -

Rebates WRKSPLF SELECT(SUPPORT *ALL *ALL EDI_810_CR)

Inv/Credits WRKSPLF SELECT(SUPPORT *ALL *ALL EDI_810_AP)

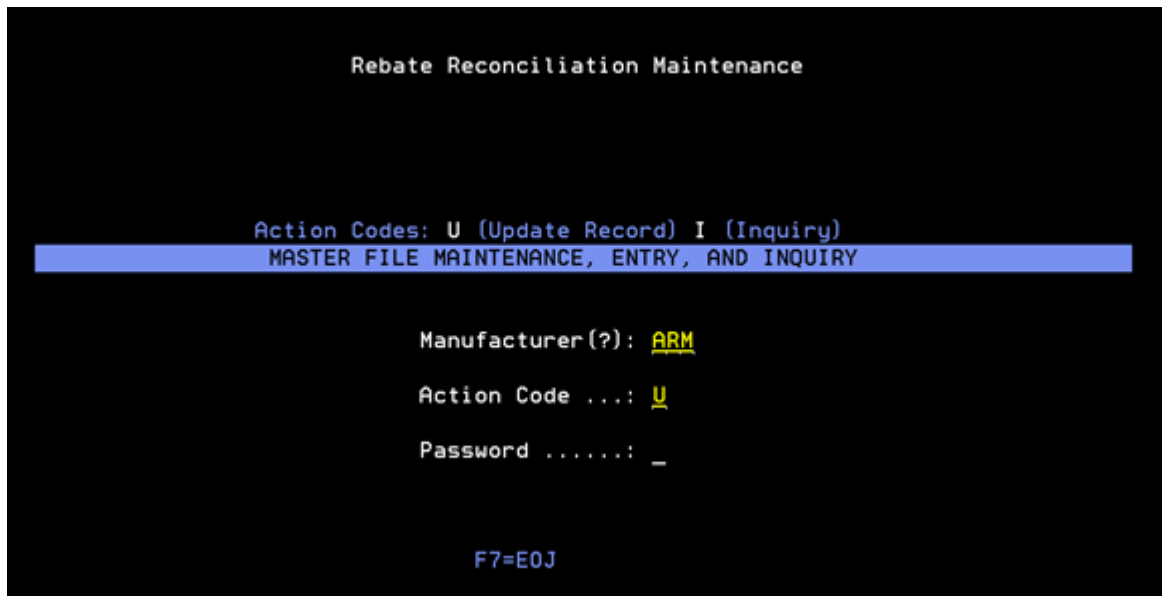
If the report is printed and lost there is no way to recreate the report other than having Armstrong resend the transactions. This is discouraged because this will cause duplicate entries in the rebate reconciliation file.

The recommendation is to run the rebate reconciliation option 3. It will not replicate the report that was created when the data came in but will list the invoices and payment information.

The rebate reconciliation file can be accessed from either menu AP option 18 or menu SYS option 608.

- Option 1 - shows the summarized version of the Rebate Reconciliation File. The rebates (810s) from Armstrong do not update this data. This view is every invoice for every manufacturer that has a cost allowance. Users go here to update statuses to reflect the rebates as paid, written off, rejected, etc.

Enter a Manufacturer code and Action Code U to update, or I to inquire



UPDATE Rebate Reconciliation Maintenance
 ARM ARMSTRONG WORLD INDUSTRIES Position to invoice.. _____

Invoice	Line	Program	Amount	Extended	Paid	Item	Customer
400260	30	ARMOCT	.750-		X	ARM28926	A & A BUILDING SU
400264	30	ABC123	.750-	22.50-	X	ARM28926	A & A BUILDING SU
400270	10		.850-	124.67-	X	ARM250112	A & A BUILDING SU
400488	10	REF50	.750-	93.75-	X	ARM68263201	ABC FLOORING OF N
400488	20	REF50	.750-	30.00-	P	ARM68281299	ABC FLOORING OF N
400489	10	REF50	.750-	90.00-	X	ARM68281401	ABC FLOORING OF N
400489	20	REF50	.750-	169.99-	X	ARM68281401	ABC FLOORING OF N
400579	10	VSCOST	1.000-	12.89-	X	ARM68281401	A & A BUILDING SU
400625	10	97297	.750-	10.00-	X	ARM1234AEM	A & A BUILDING SU
400630	10	VSCOST	1.000-	12.89	X	ARM68281401	A & A BUILDING SU
400630	20	97297	.750-	17.25	X	ARM1234AEM	A & A BUILDING SU
400676	30	97297	.750-	37.50-	N	ARM1234AEM	CASH SALES / RALE
400677	10	97297	.550-	3.30-	N	ARM1234AEM	CASH SALES / RALE
400683	10	97297	.750-	25.00-	B	ARM68107401	HARBOR FLOOR CENT
400687	10	97297	.750-	15.00	P	ARM1234AEM	ABC FLOORING OF N
400688	10	97297	.750-	15.00-	O	ARM1234AEM	ABC FLOORING OF N
400689	10	97297	.750-	30.00	X	ARM68107401	A & A BUILDING SU

More...
 Enter F7=E0J F8=Screen 1 Roll Up/Down P or X=Paid

- RPT 390 is an xbyy report that you can run to report against the invoices on your system with cost allowances. It will report status per data entered in option1. Versions 1 and 2 will report status per data entered in option 1 of AP 18. Version 3 will report based on data sent in via EDI reflected in option 2 of AP 18.

X BY Y MANUFACTURER REBATE REPORT

ENTER "1" FOR VERSION 1 (Report To Manufacturer)
 Enter "2" for Version 2 (Rebate Reconciliation)
 Enter "3" for Version 3 (Detailed Rebate Reconciliation w/Ref #)

- Option 2 - shows the new detailed version of the Rebate Reconciliation File, which allows for multiple payments and adjustments per invoice or line. This view shows the rebates (810s) sent in from Armstrong.

```

9/28/11          Rebate Reconciliation Maintenance          IN3000R
15:35:29                                             LM
-----
P O S I T I O N ..... Manufacturer : ARM (?)          Password : .....
                          Invoice      : 400260
-----

```

Inv#	Mfgr	---Program---		--Extended Rebate--		-----Payment-----			Rb		
		Line	Claimd	Paid	Claimed	Paid	Amount	Discount		Date	Cod
400283	1	AUST92	SIL		1.00	8.76	8.76	.00	92800		X
400284	1	AUST92	SIL		20.00	4.73	4.73	.00	92800		X
	2		SIL		.00	9.46	4.73	.00	92800		X
400285	1		SIL		.00	49.23	49.23	.00	92800		X
	2		SIL		.00	54.44	5.21	.00	92800		X
	3		SIL		.00	60.83	6.39	.00	92800		X
	4		SIL		.00	64.62	3.79	.00	92800		X
	5		SIL		.00	67.70	3.08	.00	92800		X
400287	1	OPR			.00	112.58	112.58	.00	92800		X
400294	1	ACG			.00	18.67	18.67	.00	92800		X
	2	ACG			.00	20.40	1.73	.00	92800		X
400302	1	HOM			.00	2.27	2.27	.00	92800		X

More...

```

-----
F5=Refresh  F7=Exit  F11=Alt View  F16=Acknowledgement Rpt  Roll Up/Down
-----

```

- Option 3 - shows the Manufacturer Rebate Report By Payment Date, where you can reconcile rebates with your manufacturers by the date they send you payment for the rebate. Using a payment date span, you can see if all of the payments on the manufacturer's statements can be accounted for, and verify they have been applied within the system. Use this option to report against rebates in option 2.

The Paid column is the status of the rebate. "X" means that Armstrong paid in exact amount asked for. "Z" means they paid more than asked for. This field can be maintained manually also. If you choose to "write off" a small balance that Armstrong rejected manually change the code to "W".

If you resubmit it to Armstrong manually change the code to an "R".

These statuses and amounts can be cross referenced to a report sent by Armstrong that states what has been paid and what has been rejected in a more detailed way.

The invoice archive and rollover processes have been updated to purge the EDI data that you see in AP 18 option 2 so no old payments will appear with new invoices.

Regenerating Inbound SCP/STP Credit 810 EDI Report

Once A02 6451 is on a client system, these instructions can be used to regenerate the edit report for inbound SCP/STP credits.

1. Set processing flag to N=Report only in EDICTL for ARM81C.

10/15/12		EDI CONTROL TABLE		DANC1K	08:56:02	
SEL	MANF	FORMAT	CUSTOMER NAME	Processing Opt (N/E/S/P)	Reporting Opt (Y/N/1)	
-	ARB	856	ARMSTRONG ASN	P	Y	
-	ARD	810	ARM MATERIAL CREDITS	N	1	
-	ARI	856	INBOUND ASN	P	Y	
-	ARM	APQ	REVERSE PO PHASE II	P	Y	
-	ARM	RPO	REVERSE PO CREATION	P	Y	
-	ARM	81C	ARMSTRONG CREDITS	N	Y	
-	ARM	810	ARMSTRONG INVOICES	N	1	
-	ARM	856	ARMSTRONG	P	Y	
-	ARW	RPO	REVERSE PO CREATION	P	Y	
-	ARW	81C	ARDEX CREDITS	P	Y	

More...

Option: N-Report only. E-Pending. S-IS0 Select. P-Process.
 Report: Y-print. N-Noprint. 1-1 PO/Invoice per page.
 Select = "X" to work with additional controls

2. Submit the batch for reprocessing using the following command.

```

SBMJOB CMD(CALL PGM(FTPGENIN) PARM('xxx' 'AS2' 'xxxOX12SV'
  'Mm1ddhmm2' 'scp810' 'EDI810C' 'IMP810C' 'ARMSCP'))
JOB(ARM_FTP_RE) JOBQ(GENTRAN) USER(SUPPORT) HOLD(*YES)

xxx = distributor id
Mm1ddhmm2 = member name of xxxOX12SV file
m1 = month
  dd = day
    hh = hour
      m2 = minute
    
```

3. The job is submitted on hold for debug purposes. If not needed, simply release the job or submit without the hold parameter.
4. The processing value of N prevents records from being written to the EDI810REB file, the STPSCPACKS file, and the INVXTRA file. Only the edit report is produced.

“Direct Retail Inventory Inquiry Portal” on page 5-1

“Armstrong Direct Retail Portal” on page 5-6

“Armstrong Direct Retail Portal Set-up” on page 5-41

Direct Retail Inventory Inquiry Portal

This application is designed to work with Internet Explorer IE 7 or higher. Other browsers such as Firefox, Chrome, and Opera can also be used.

The recommended screen resolution is 1024 by 768 pixels.

The URL for this inquiry is <https://retailservices.armstrong.com/cca/dist-search-portal/index.jsp>. Armstrong users can sign on as a dealer with a DBA or a CSR with a super user ID.

1. After signing in, select an Armstrong distributor system and enter a full or partial item number.
Note: The distributors displayed are controlled by Armstrong.
2. Click **Search** to validate the item number against the selected distributor’s inventory. If the item number is valid, it’s information is displayed.

Item#	Description1	Description2	Comments	Cc
▶ E531	TURLINGTON GUNSTOCK R/O 30SF/C	3/8 X 3 MICRO EDGE & ENDS	E531	GUI ^
▶ E531C	TURLINGTON GUNSTOCK CABIN	3/8 30SF/CT CABIN	E531C	GUI
▶ E531CW	TIMBERLAND 3" PLANK GUNSTOCK	3/8" MB/EE 30SF/CT	E531CW	GUI
▶ E5310	TURLINGTON NATURAL	3/8 X 5 SIGNATURE OAK 28SF/CT	E5310	NA
▶ E5311	TURLINGTON ANTIQUED WHITE	3/8 X 5 SIGNATURE OAK 28SF/CT	E5311	WH
▶ E5312	TURLINGTON MOCHA	3/8 X 5 SIGNATURE OAK 28SF/CT	E5312	MO
▶ E5313	TURLINGTON SILVER OAK	3/8 X 5 SIGNATURE OAK 28SF/CT	E5313	SIL
▶ E5314	TURLINGTON ESPRESSO	3/8 X 5 SIGNATURE OAK 28SF/CT	E5314	ESF
▶ E5315	TURLINGTON GLAZED SUN BIRCH	3/8 X 5 SIGNATURE 28SF/CT	E5315	SUF
▶ E5316	TURLINGTON GLAZED GINGER BIRCH	3/8 X 5 SIGNATURE 28SF/CT	E5316	GIM
▶ E5317	TURLINGTON GLAZED RUST RED	3/8 X 5 SIGNATURE BIRCH 28SF	E5317	RU:
▶ E5318	TURLINGTON GLAZED WOODLAND	3/8 X 5 SIGNATURE BIRCH 28SF	E5318	WO
▶ E5319	TURLINGTON GLAZED DUSKY GRAY	3/8 X 5 SIGNATURE BIRCH 28SF	E5319	DU:

3. Click the arrow to the left of the item to inquire about inventory.
4. Select a Distributor and then click either:

Inventory By Distributor - shows the available inventory by warehouse and UM.

Armstrong Inspiring Great Spaces™

INVENTORY INQUIRY | ORDER STATUS | SHIPPING INFO | ADC400 | Sign Out

ITEM#: E531
TURLINGTON GUNSTOCK R/O 30SF/C

Distributor	Quantity	Serial#	Ware	Quantity Available (CT)	Quantity Available (SF)	Shade
Dancik - SAL	n/a					
Apollo	0					
Adleta Company	2340.00 SF	6198367	WAD	5.00	150.00	
B.R. Funsten	n/a	6230699	MID	7.00	210.00	
Belknap	23820.00 SF	6249331	MID	10.00	300.00	
Buckwold	n/a	6250192	RIC	109.00	3270.00	
Cain & Bultman		6251947	WYT	11.00	330.00	
Florstar	2730.00 SF	6314029	BAL	1.00	30.00	
G.E. Shnier	n/a	6319041	GOL	265.00	7950.00	
J.J. Haines	19200.00 SF	6319044	WYT	18.00	540.00	
J.J. Haines	19200.00 SF	6320997	WAD	49.00	1470.00	
Ohio Valley	203.00 CT	6327598	WAD	79.00	2370.00	
Readers	n/a	6328593	BAL	86.00	2580.00	
Tri-West	0					
W.C. Tingle						
William M. Bird	16530.00 SF					
Totals:				640.00	19200.00	

RETURN

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Associated Items - This tab shows associated inventory on the selected distributor's systems. The Quantity Available unit of measure (UM) is shown in the item's native UM. Associated items are set-up in the SAP system.

Note: The web service "get_associated_items" pulls the information from the distributor's system.

Armstrong Inspiring Great Spaces™

INVENTORY INQUIRY | ORDER STATUS | SHIPPING INFO | ADC400 | Sign Out

ITEM#: E531
TURLINGTON GUNSTOCK R/O 30SF/C

Distributor	Quantity	Item#	Item Description	Quantity Available
Dancik - SAL	n/a			
Apollo	0			
Adleta Company	2340.00 SF	T52131141	T MOLDING GUNSTOCK 5/16 X 2 PRE-FINISHED 5/CT	46.00 EA
B.R. Funsten	n/a	T74131140	QUARTER ROUND GUNSTOCK 3/4" PRE-FINISHED 78" 10/CT	69.00 EA
Belknap	23820.00 SF	T77131141	COMBINATION BASE GUNSTOCK 15/16 X 1 13/16 X 78 5/CT	21.00 EA
Buckwold	n/a	T82131141	REDUCER 3/8 GUNSTOCK 1 1/2"X78" PRE-FINISHED 5/CT	0 EA
Cain & Bultman	n/a	T83131141	STAIR NOSING 3/8 GUNSTOCK 2 3/4"X78" PRE-FINISHED 5/CT	25.00 EA
Florstar	2730.00 SF	T97131141	BABY THRESHOLD GUNSTOCK 5/8 X 2 PRE-FINISHED 5/CT	40.00 EA
G.E. Shnier	n/a			
J.J. Haines	19200.00 SF			
J.J. Haines	19200.00 SF			
Ohio Valley	203.00 CT			
Readers	n/a			
Tri-West	0			
W.C. Tingle	n/a			
William M. Bird	16530.00 SF			

RETURN

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Since the **Quantity Available** can include multiple warehouses, warehouse information does not appear in the **Associated Items** tab.

Product Knowledge - displays information about item packaging, the related product line, and manufacturer notes about the item.

Armstrong Inspiring Great Spaces™

INVENTORY INQUIRY | ORDER STATUS | SHIPPING INFO | ADC400 | Sign Out

ITEM#: E531
TURLINGTON GUNSTOCK R/O 30SF/C

Distributor	Quantity	INVENTORY BY DISTRIBUTOR	ASSOCIATED ITEMS	PRODUCT KNOWLEDGE
Dancik - SAL	n/a			
Apollo	0			
Adleta Company	2340.00 SF			
B.R. Funsten	n/a			
Belknap	23820.00 SF			
Buckwold	n/a			
Cain & Bultman	n/a			
Florstar	2730.00 SF			
G.E. Shnier	n/a			
J.J. Haines	19200.00 SF			
J.J. Haines	19200.00 SF			
Ohio Valley	203.00 CT			
Readers	n/a			
Tri-West	0			
W.C. Tingle	n/a			
William M. Bird	16530.00 SF			

Item# | Product Line | Manufacturer

There are 30.00000 SF per CT
There are 30.00000 CT per PA
There are 44.00000 LB per CT

RETURN

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Checking Order Status

Note: This option is only available if you are signed on as a DBA.

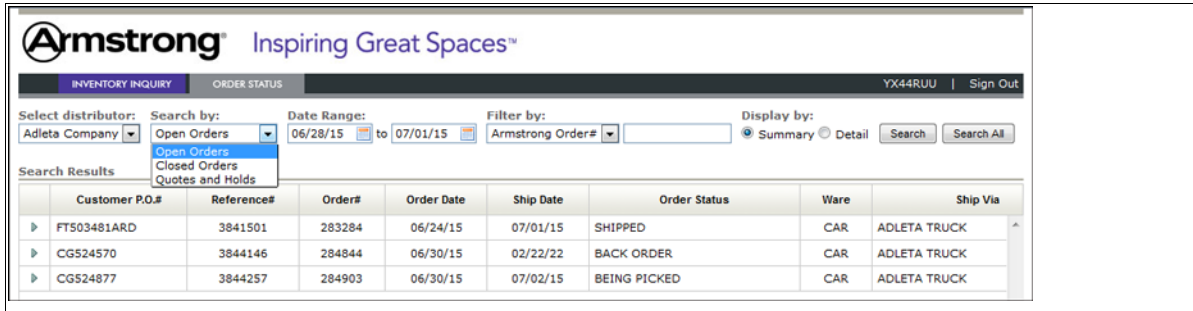
The Order Status tab displays the open orders or quotes that you have with the selected Distributor.

1. After clicking on **Order Status**, select a distributor. Use the parameters and filters at the top of the window to narrow the search as needed.

Note: Information can be resequenced by a column by clicking on the column title. For example, clicking Order Date toggles the information between earliest and latest order dates.

2. Select an **Order Type** and a **Date Range**.

If you choose open orders then only open order lines will be returned. The same goes for closed orders.



Open order lines are lines that have not been invoiced or cancelled.

Closed orders have been invoiced or have lines that have been invoiced.

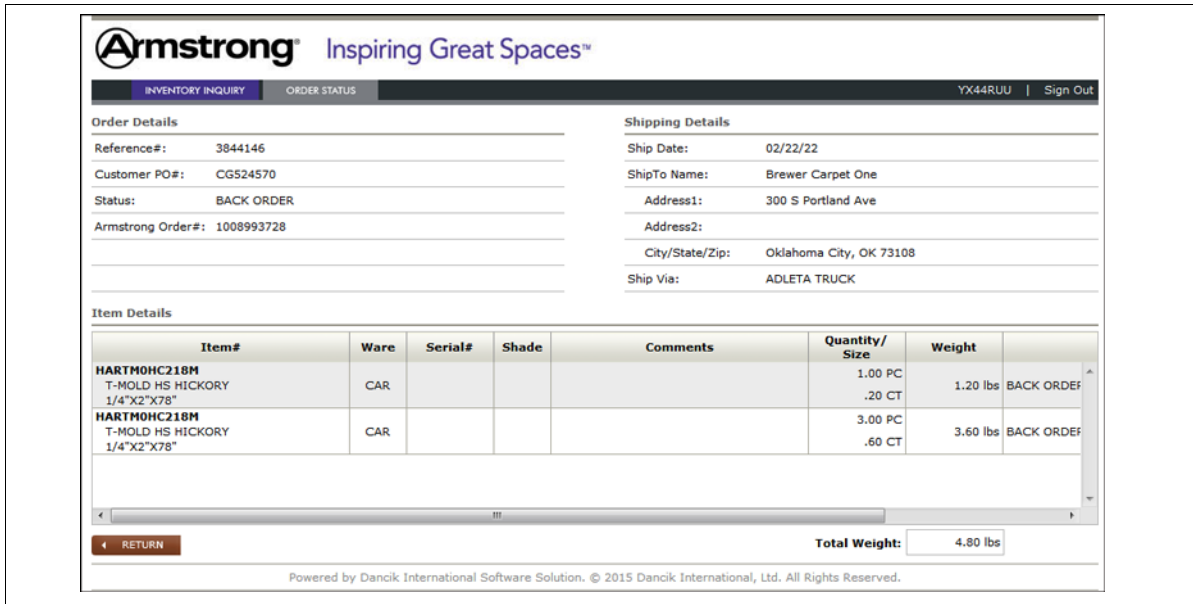
Holds and quotes are basically the same thing except holds reserve inventory for a period of time and quotes do not.

- Use the **Filter by** boxes to limit the display by a specific job name, customer number, or order reference number.
- The **Summary** view can show the same order(s) as both open and closed. This can happen when an order has a mixture of open and closed lines.

Use the **Detail** view to show the status of individual order lines. The **Detail** listing includes the following information not included in the **Summary** version:

- Item Number
- Item Description

- Click the arrow to the left of an order to view its details.



Search All

This option also you to search across *all* your available distributors at one time. It still uses the filters and parameter selections to narrow the results.

When **Select All** is clicked, the system searches across all the distributor's data to find open orders or quotes and holds that match the criteria. It then displays the number of orders matching the search criteria. In this example, JJ Haines is the only distributor that has serviced this account. All others show n/a.

Distributor	Quantity
J.J. Haines	2
Apollo	n/a
Adleta Company	n/a
B.R. Funsten	n/a
Belknap	n/a
Buckwold	n/a
Cain & Bultman	n/a
Florstar	n/a
G.E. Shnier	n/a
Ohio Valley	n/a
Readers	n/a
Tri-West	n/a
W.C. Tingle	n/a
William M. Bird	n/a

Click a distributor to display the orders.

Armstrong Direct Retail Portal

Hi, welcome to the Armstrong Direct Retail Portal. This application allows Armstrong’s customer service reps to directly place orders using the Regional Distribution Centers (RDC) inventory.

There is a little bit of set-up involved; mainly configuring tables. For more information on the set-up of the portal, refer to the “Armstrong Direct Retail Portal Set-up” on page 5-41.

- “Using the Armstrong Direct Portal” on page 5-6
- “Ordering from Non-Default and Out-of-Territory Distributors” on page 5-18
- “Manually Selecting Inventory” on page 5-20
- “Displaying Multiple Serial Numbers and Product Information” on page 5-23
- “Multiple Items” on page 5-27
- “Checking on Order Status” on page 5-29
- “Checking Available Inventory” on page 5-33
- “Checking Available Shipping Dates” on page 5-34
- “Providing an Alternate Shipping Address” on page 5-36
- “Reports Tied to the Direct Retail Portal” on page 5-36

Using the Armstrong Direct Portal

1. The first thing to do is to log into the portal.



2. If the **Remember Me** option is activated, your user name is stored and will be retrieved during future visits.

- After logging in, the next step is to select an account for the order.

Note: The Account Selection window is considered to be the “Home” window. Wherever you are in the portal, when you click the home icon you will return to the Account Selection window.

- Enter the account information into the **Search** box.

Note: If only one search result matches the search criteria, you are taken directly into that account.

- Scroll through the search results. The words and/or numbers that matched your search are highlighted.

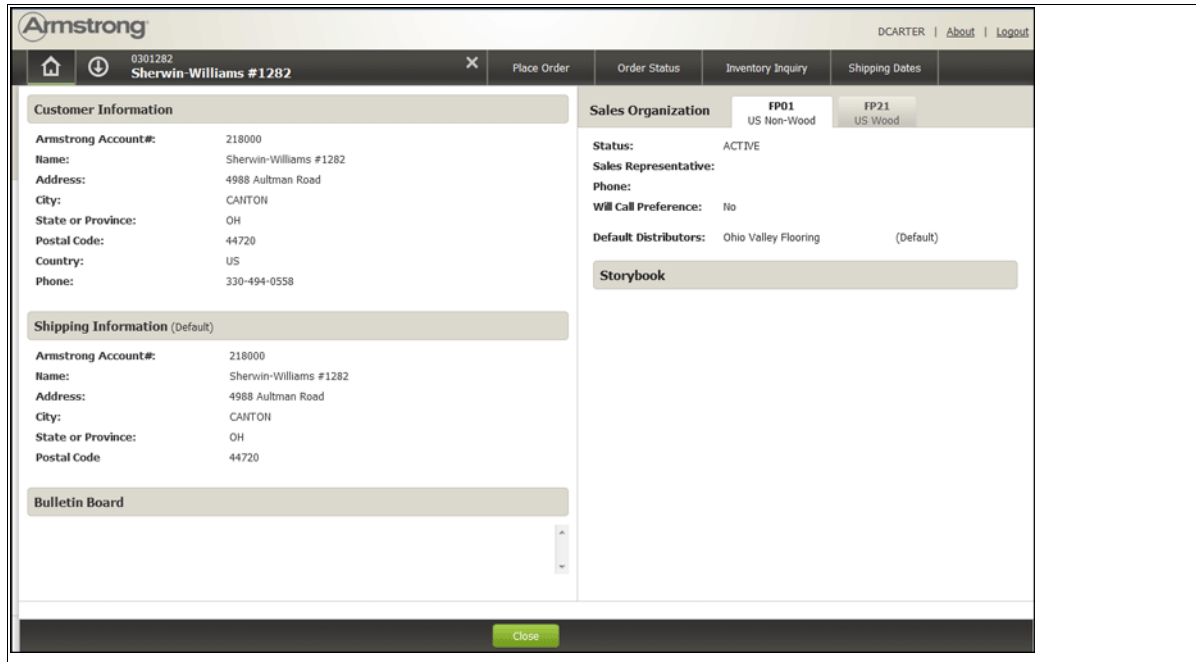
Armstrong Account#	Account Information	Account Status
206025	Sherwin -Williams #1105 PORTAGE, Phone:	ACTIVE
205751	Sherwin -Williams #1002 5868 West U S #10 LUDINGTON, MI 49431 Phone: 231-843-2188	ACTIVE
205754	Sherwin -Williams #1003 2221 E 62nd St INDIANAPOLIS, IN 46220 Phone: 317-257-9947	ACTIVE

Accounts that are highlighted in yellow are direct ship accounts and cannot be used for order placement.

Notes about the Search Results


- Until an account is selected, the **Place Order** and **Shipping Days** are unavailable options
- Order Status** and **Inventory Inquiry** do not require an Armstrong Account number.

6. Select an account by clicking its link. The Armstrong Account Information window appears.



Notice that when an account is selected the **Place Order** and **Shipping Dates** options become available.

Notes about the Armstrong Account Information window:

- As long as the account is active, you can access the Account Information window by clicking the arrow  to the left of the account name and number.
- The **Shipping Information** is the default shipto information for the account and is for display only.

Note: The shipping information can be edited later on in the order process on the *Order Review window*.


- If an account has more than one shipping location, the shipping information is left blank and the message “**Multiple Shipto Locations**” appears. You can select a shipto address later in the order process.
- The **Bulletin Board** information comes from menu option APM 2 on the Dancik Enterprise System.
- If an account has multiple Sales Organizations, they can be accessed via a secondary tab.

7. Review the Account Information and then click **Place Order**. The initial Order Placement window appears.

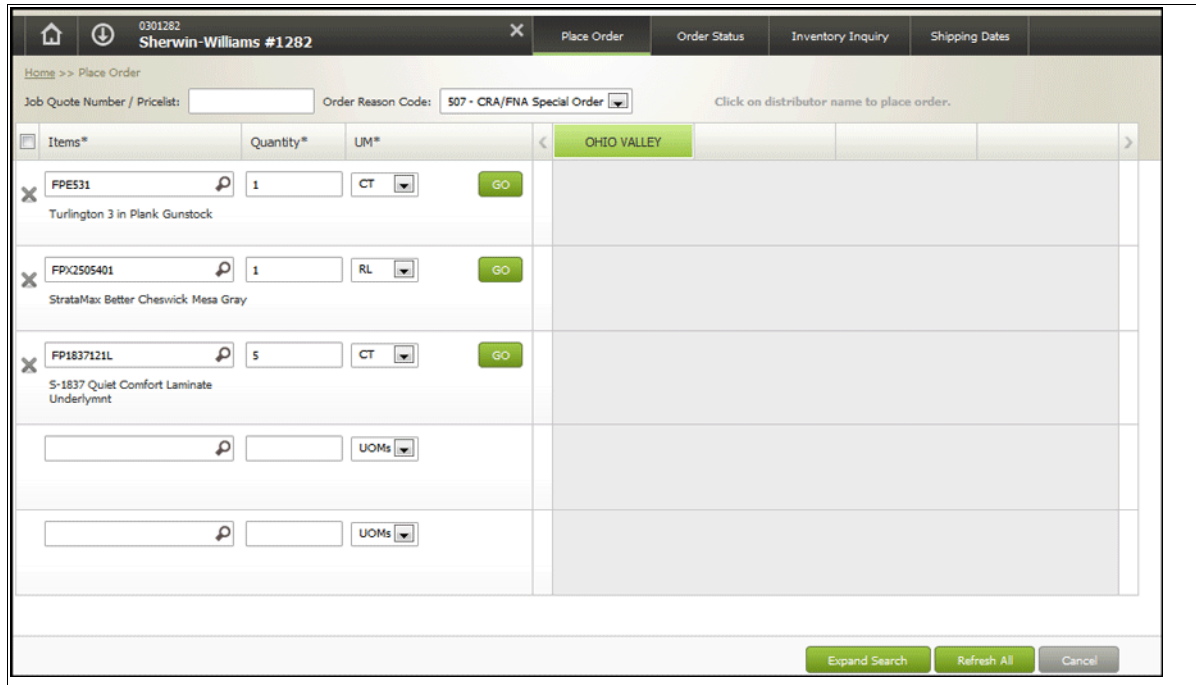
The screenshot displays the 'Place Order' interface. At the top, the Armstrong logo is on the left, and 'DCARTER | About | Logout' is on the right. Below the logo, the account name 'Sherwin-Williams #1282' is shown. A navigation bar contains 'Place Order', 'Order Status', 'Inventory Inquiry', and 'Shipping Dates'. The main content area includes a 'Job Quote Number / Pricelist' field and an 'Order Reason Code' dropdown menu set to '507 - CRA/FHA Special Order'. A note says 'Click on distributor name to place order.' Below this is a table with columns 'Items*', 'Quantity*', and 'UM*', and a distributor list showing 'OHIO VALLEY'. At the bottom right, there are three buttons: 'Expand Search', 'Refresh All', and 'Cancel'.

8. The distributors displayed are set as the wood and non-wood default distributors for the account. Click **Expand Search** to display all of the distributors including the non-defaulted and out-of-territory ones.

Note: For more information on ordering from non-default and Out-of-Territory distributors, refer to "Ordering from Non-Default and Out-of-Territory Distributors" on page 5-18.

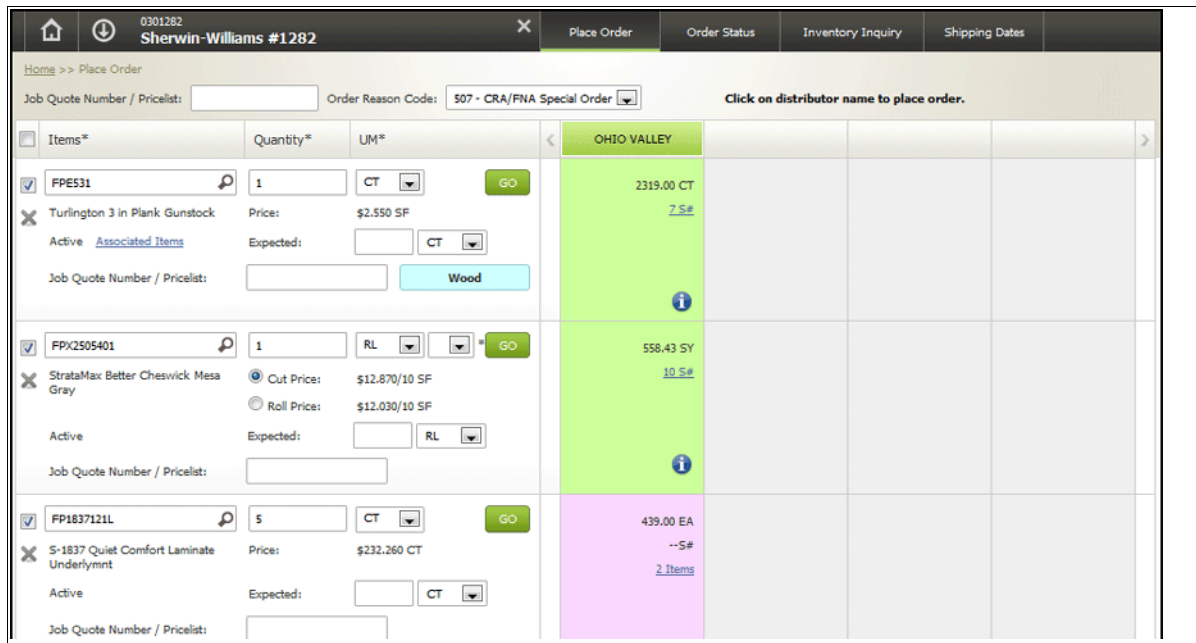
9. There are a couple of ways to start an order:
- Enter the item number directly into the Item box
 - Use the search icon  to display the Item Search window where you can search for and select items.

10. Enter items as needed.



Notice that when you tab out of the item box the item's description is displayed. Pricing and inventory information does not appear until **GO** is clicked.

11. Click **Go** to show item pricing information and to show the available inventory for each distributor.




Note: The **Refresh All** button in the lower right hand corner displays pricing and distributor inventory information for all the items with one click.

12. Use the **Expected** box to enter a new price for the item.

Notice, in the screen shot shown above, that the last item is a rolled good. Pricing for a rolled good shows in the roll and cut prices. Notice also that a roll/cut indicator is also displayed; after the UOM drop done box.

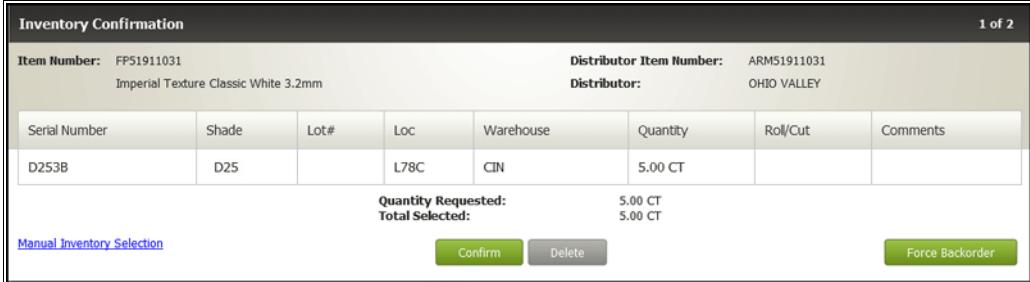
13. Use the check boxes to the left of the item to include or exclude items from the order. To delete an item click the “X”.

Note: You can check on inventory at the serial number level and other product information by clicking on the serial number link [2 S#](#) or information icon  associated with an item. For more information, refer to “Displaying Multiple Serial Numbers and Product Information” on page 5-23.

Note: Notice that the last item (FP1837121L) in the screen shot shown above has a link for 2 items ([2 Items](#)). This type of link appears when multiple items are cross referenced to the same Supplier’s Item number. For more information, refer to “Multiple Items” on page 5-27.

14. Click on the distributor that you want to place the order with.

15. The Order Portal is set-up to automatically use an automatic inventory selection tool called ISO (Inventory Selection Optimizer). After you click the distributor you want to place the order with, the inventory Confirmation window appears with ISO’s inventory suggestions.



Serial Number	Shade	Lot#	Loc	Warehouse	Quantity	Roll/Cut	Comments
D253B	D25		L78C	CIN	5.00 CT		

Quantity Requested: 5.00 CT
Total Selected: 5.00 CT

[Manual Inventory Selection](#)

The **Shade** is at the serial number level. Shade can also be entered at the item number level.

16. From the Inventory Confirmation window you can:

- Manually select inventory by clicking the **Manual Inventory Selection** link.

Note: Refer to “Manually Selecting Inventory” on page 5-20 for more information.

- Click **Force Backorder** if there is not enough inventory to fill the order.
- Click **Delete** to remove the item from the order.
- Click **Confirm** to accept ISO’s inventory suggestions

17. Press **Confirm** to accept the item and move on to the next item. If a full roll (R) is being ordered, you are required to enter a minimum roll size.

Inventory Confirmation 2 of 2

Item Number: FPX2505401
StrataMax Better Cheswick Mesa Gray

Distributor Item Number: ARMX2505401
Distributor: OHIO VALLEY

Serial Number	Shade	Lot#	Loc	Warehouse	Quantity	Roll/Cut	Comments
07091512	CN1		A39H	CIN	109.40 SY 82' 1"	R	

*Enter minimum roll size:

Quantity Requested: 1.00 RL
Total Selected: 109.40 SY

[Manual Inventory Selection](#)

18. When **Confirm** is clicked on the last item in the order, the Order Review window appears.

Armstrong DCARTER | About | Logout

0301282 Sherwin-Williams #1282 Place Order Order Status Inventory Inquiry Shipping Dates

Home >> Place Order >> Order Review: Reference#: 5922949

Order Details

Armstrong Account#: 218000
Name: Sherwin-Williams #1282
Distributor: OHIO VALLEY
Reference#: 5922949

Customer PO#:
Job Quote Number/Pricelist:
Order Reason Code: 507 - CRA/FIA Special Order
Order Date: 02/21/14
SAP Order Handling Code:
SAP Closure Rule: 2 - Backorder
Order Created By: DCARTER

Shipping Details Same As Customer Information

Armstrong Account#: 218000
Name: Sherwin-Williams #1282
Address: 4988 Aultman Road
City: CANTON
State or Province: OH
Postal Code: 44720
Country: US

Ship Via: OUR TRUCK
Ship Date: 03/03/14
Ship Via Billing Account:
Servicing Warehouse: CIN
Will Call Preference: No
Will Call Warehouse: Ohio Valley - CINCINNATI

Message Lines and Comments

Items	Quantity	Unit Price	Extended Price	Details
10 FF51911031 IMPERIAL TEXTURE CLASSIC WHITEEXCELON TILE 1/8" TOP 12 Serial Number: D2538 Shade: CN1 Message Lines	5.00 CT	\$36.650 CT	\$183.25	Job Quote Number/Pricelist: <input type="text"/> Weight: 315.00 lbs Warehouse: CIN Status:
20 STRATAMAX BETTER MESA GRAY 12"CHESWICK	109.40 SY R 82' 1"	\$9.012 SY	985.91	Job Quote Number/Pricelist: <input type="text"/>


Send Order to Unprocessed File SAP On-Block

19. The Order Review window is basically divided into three areas:

- The Order Detail Information
- Order Level Messages and Comments
- Item Level

Order Detail Information

This is the top part of the window.

Order Details	Shipping Details
Armstrong Account#: 218000 Name: Sherwin-Williams #1282 Distributor: OHIO VALLEY Reference#: 5922549 * Customer PO#: <input type="text"/> Job Quote Number/ Pricelist: <input type="text"/> Order Reason Code: 507 - CRA/FNA Special Order * Order Date: 02/21/14 SAP Order Handling Code: <input type="text"/> * SAP Closure Rule: 2 - Backorder Order Created By: DCARTER	Same As Customer Information  Armstrong Account#: 218000 Name: Sherwin-Williams #1282 Address: 4988 Aultman Road City: CANTON State or Province: OH Postal Code: 44720 Country: US * Ship Via: OUR TRUCK * Ship Date: 03/03/14 Ship Via Billing Account: <input type="text"/> Servicing Warehouse: CIN Will Call Preference: No Will Call Warehouse: Ohio Valley - CINCINNATI

Use this area to enter and/or edit order information such as:

- Customer PO#
- Job Quote#
- Reason Code
- Will Call Preference
- Order Date
- SAP Handling Code

Shipping Information

The shipping information is pulled in from the DBA account information. This information can be manually overridden by clicking the truck icon to the left of the Shipping Details dialog box.

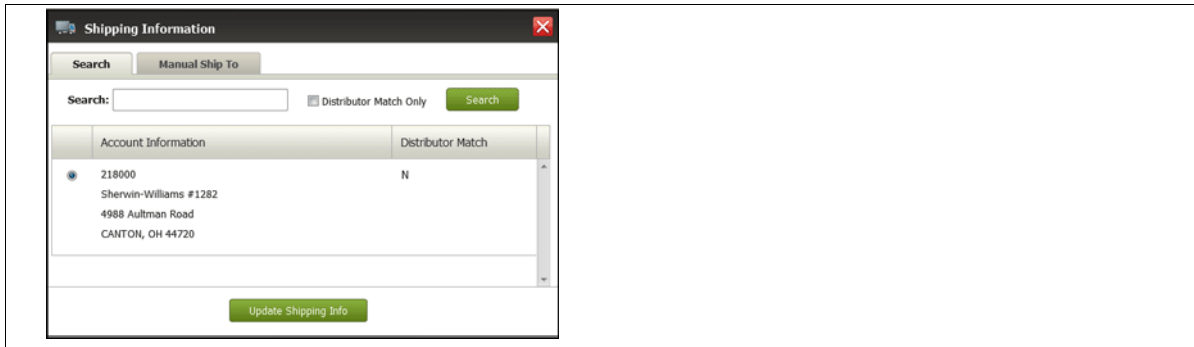
Shipping Details	Same As Customer Information
Armstrong Account#: 218000 Name: Sherwin-Williams #1282	

This brings up the Shipping Information window.

Shipping Information	
Search	Manual Ship To
* Name:	<input type="text"/>
* Address:	<input type="text"/>
* City:	<input type="text"/>
* State or Province:	<input type="text"/>
* Postal Code:	<input type="text"/>
Country:	US
<input type="button" value="Update Shipping Info"/>	

Manually enter the new shipping address and click the **Update Shipping Info** button.

If you are unsure of the address, click **Search** and then select the desired address.

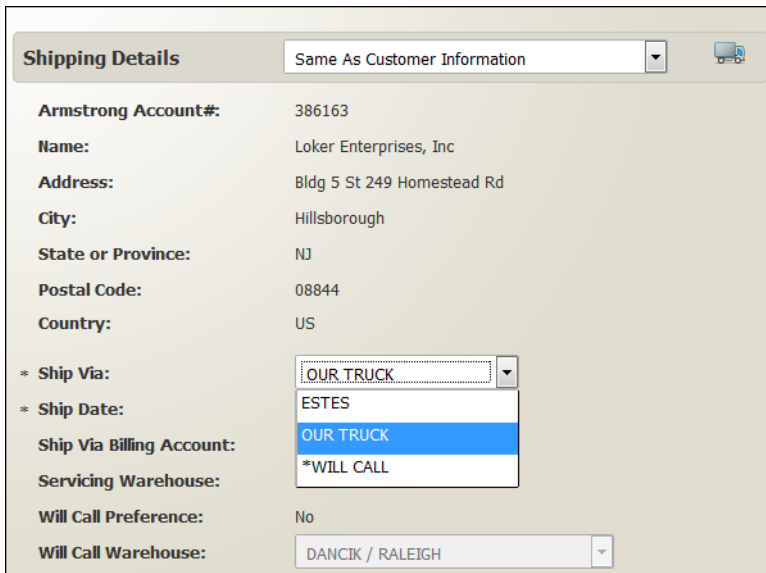


Activate the **Distributor Match Only** feature to limit the search to find only valid alternate Ship to and Sold To accounts that have an exact match between the SAP system and the distributor’s data.

Note: Manually entered ShipTo’s are sent to SAP with full address information. For the default ShipTo’s, only the ShipTo Account number is sent.

Ship Via

The ship vias are pulled from the Distributor Ship Via XRef Maintenance (menu option APM 36). The ship vias listed in the drop down are specifically set-up for the distributor in the Distributor Ship Via XRef Maintenance table.



If a ship via is preceded by an * that denotes it as a will call or pick up ship via.

Note: For more information on the ship via cross reference table, refer to “APM 36 - Distributor Ship Via XRef Maintenance” on page 5-59.

Ship Date

The shipping dates are specific to the distributor and the ship via method. To change the ship date click the calendar icon inside the **Ship Date** field. The Available Ship Dates window appears.

Available Dates

Distributor: OHIO VALLEY Today's Date: 02/26/14
 Servicing Warehouse: CIN

View: Available Shipping Dates

Ship From: Ohio Valley - CBINCINM

Transfer From: Ohio Valley - CBINCINM

Update Calendar

Important:
 Orders need to be placed by 23:59 today in order to meet the next available delivery date.

Key:

- = Next Available shipping day
- = Available shipping day
- = Current day

March 2014						
Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

The information, such as the Ship From and Transfer From warehouses, contained in the Available Dates window is based on the distributor that the order is being placed with.

Note: Canadian distributors do not provide route details therefore you will not be able to determine the next available shipping date for a Canadian distributor. The Canadian distributor will provide a shipping date when it receives the order from SAP.

Transfers

If the order is a transfer, use the **Transfer From** setting to select the transferring warehouse.

If an item transfer is found on the line, the **Ship From** field will be populated with the servicing warehouse.

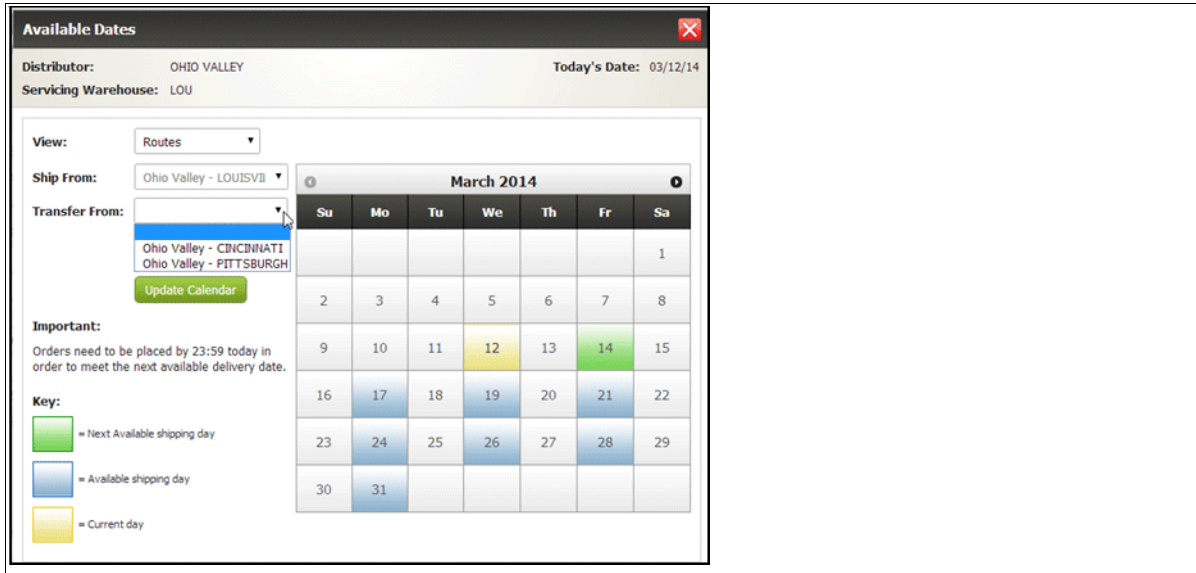
If there are multiple transfer warehouses you will receive the following message.

Multiple Transfer Warehouses

There are multiple transfer warehouses on this order.
 Pick a Ship Date from the Available Dates.

Go to Available Dates Cancel

Click **Go to Available Dates**. On the next window to appear, use the drop down box in the Transfer From box to select a warehouse.

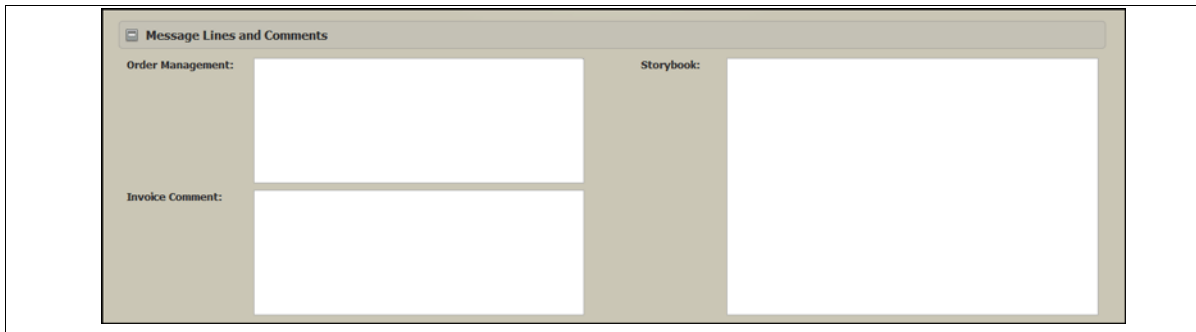


Select a warehouse and click **Update Calendar**. The available ship days adjust depending on the warehouse you choose.

Order Level Messages

Messages can be inserted into the following areas of the order:

- At the order level, this is done by expanding the **Message Lines and Comments** portion of the order. You can then enter messages in one of the three message boxes.



- At the item level, product and pricing messages can be entered.

Items	Quantity	Unit Price	Extended Price	Details
10 ✕ FP51911031 IMPERIAL TEXTURE CLASSIC WHITEEXCELON TILE 1/8" TOP 12 Serial Number: D2538 Message Lines	5.00 CT	\$36.650 CT	\$183.25	Job Quote Number/Pricelist: <input type="text"/> Weight: 315.00 lbs Warehouse: CBN Status:
Product Requirements:		Pricing Comments:		

Item Information

Use this part of the order review window to check on the item details such as the quantity ordered, the status of the order and the warehouse where the item(s) is coming from.

Items	Quantity	Details
10 FP51858031 IMPERIAL TEXTURE SANDRIFT WHT Serial Number: Message Lines	7.00 CT ATP Date: 03/10/14	Job Quote Number/Pricelist: Weight: 441.00 lbs Warehouse: CBN Status: BACK ORDER
20 FP00515408 515 ADHESIVE-GALLON Serial Number: 1 Message Lines	1.00 GL	Job Quote Number/Pricelist: Weight: 9.10 lbs Warehouse: CBN Status: OPEN
		Total Weight: 450.10 lbs

Click the “+” sign to add product and pricing comments that are specific to the item. If you see the Notepad icon , that is the sign that there are already messages for the item.

20. Use the **SAP View** and **Distributor View** toggle buttons to show how the order will be sent to the SAP system. The **SAP View** consolidates items with the same item number and serial number into one line. You will also notice changes in pricing.

Note: Rolled goods cannot be consolidated.

21. Click the “X” icon to delete an item from the order. Deleting an item does not immediately remove the hold on the distributor’s system. Furthermore deleting an item can also affect the ship date. If the ship date changes you will be alerted with a pop up window.

22. Notice at the bottom of the Order Review window there are several options and buttons.

<input type="checkbox"/> Send Order to Unprocessed File <input type="checkbox"/> SAP On-Block <input type="button" value="Submit"/> <input type="button" value="Hold Inventory Only"/> <input type="button" value="Send To SAP and Cancel Temp Order"/> <input type="button" value="Cancel"/>

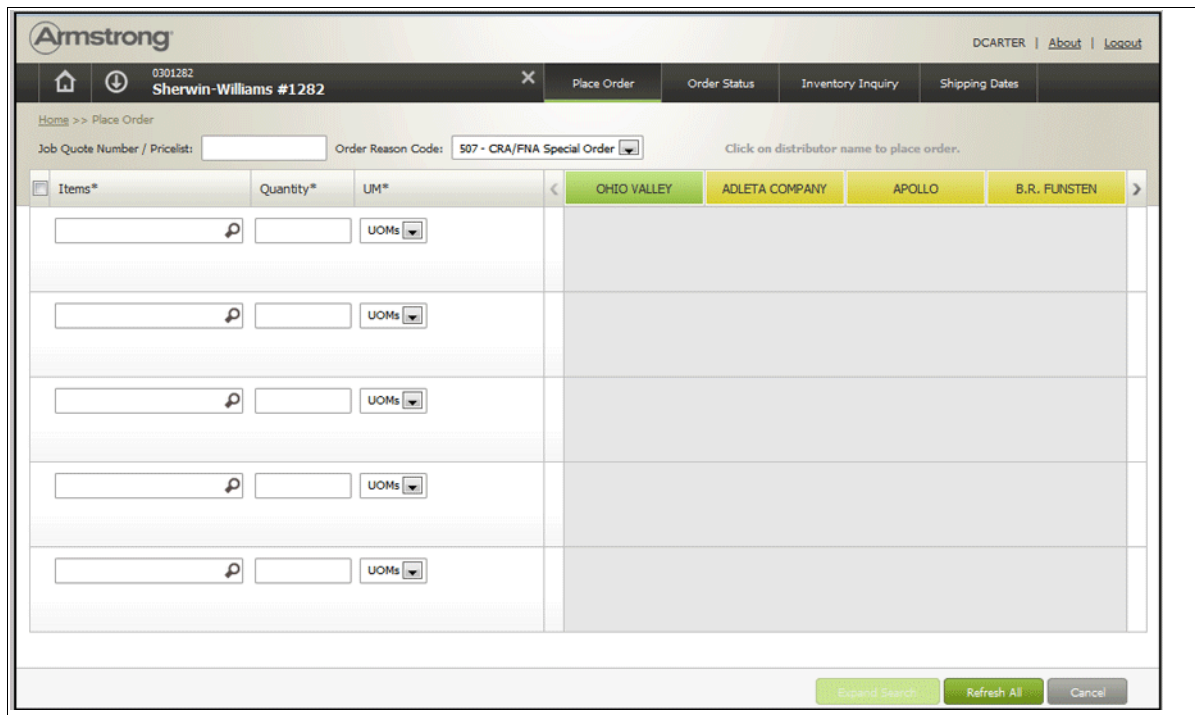
- **Send Order to Unprocessed File** - Sends the order to the SAP system as an unprocessed order after **Submit** or **Send to SAP and Cancel Temp Order** is clicked.
- **SAP On-Block** - Sends the order to SAP to be processed but directs a block to be put on the order (i.e. the account could be on credit hold).

- **Submit** - If Submit is clicked without selecting either one of the options (Send Order to Unprocessed File or SAP On-Block) the order is sent to the SAP system for normal processing.
- **Hold Inventory Only** - A pending order is placed on the distributor's system. No order is placed on the SAP system yet
- **Send To SAP and Cancel Temp Order** - This option sends an 850 purchase order to the distributor. If this option is used, no pending record is created on the distributor's system. The order is sent to SAP and the unprocessed order on the distributor's system is cancelled. All inventory is deallocated.
- **Cancel** - Cancels the order completely. All inventory is deallocated.

23. If the order is processed normally, it is sent to the SAP system where it is matched up against the temporary order on the distributors system. If the SAP order and the distributor order are a match the order is filled.

Ordering from Non-Default and Out-of-Territory Distributors

Orders can be placed with distributors that are not your usual suppliers. When you first start an order, only the default distributors are displayed. Click **Expand Search** to display all of the distributors including the non-defaulted and out-of-territory ones.



The background colors mean:

- Green - These are the normal distributor for the DBA account.

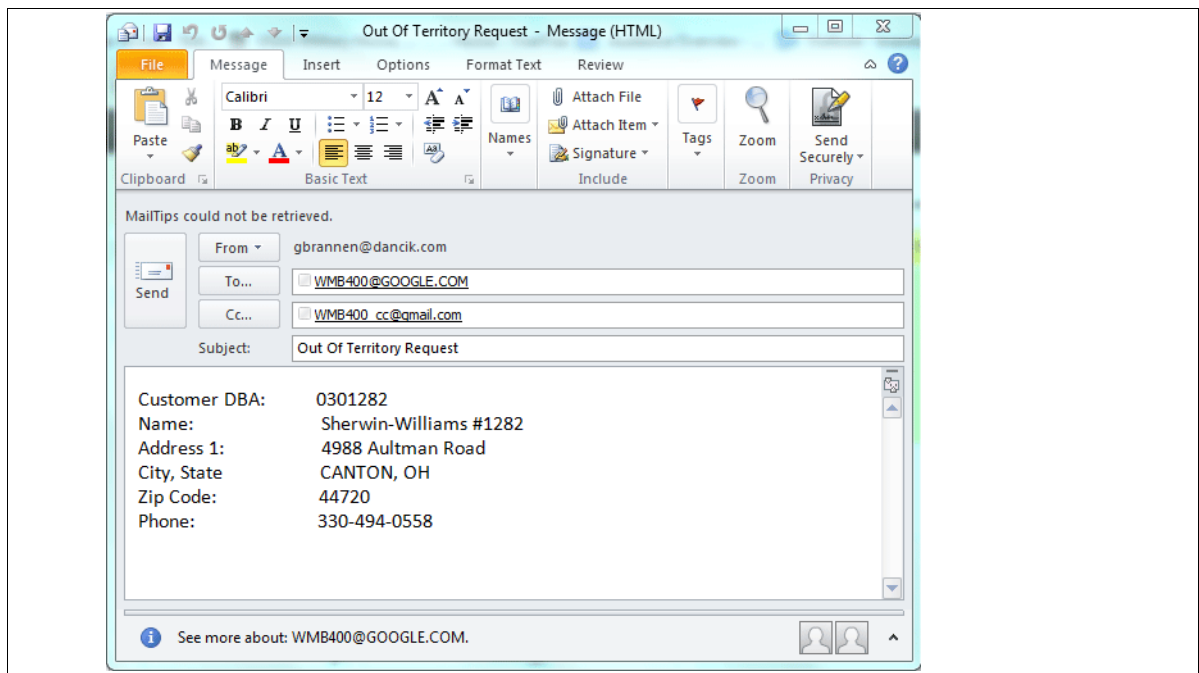
- Yellow - These are out-of-territory or dummy accounts. You can still order from these distributors but when you do an email is sent along with the order to notify the distributor.
- Red - These are Out of Territory (OOT) distributors who do not have an account set-up. Essentially this means that this distributors are not set-up on the Dancik system. If you need to use one of these distributors, click on them to send an email. The order is not placed until their account is set-up.

If you select a “yellow” distributor you will:

- Be prompted with a message that reminds you to email the distributor about the order, but allows you to continue to create a material hold and proceed with end-of-order processing.
- Send an email to the distributor using the launched email client application.

If a “red” distributor is selected, the application:

- Launches the users email client with details of the order populating the “To:” and “Subject:” fields and populating the body of the email with the Armstrong Account# details.



- Materials cannot be reserved with “red” out-of-territory distributors with no account set-up

Manually Selecting Inventory

The default is for inventory to be automatically selected for your order by the Inventory Selection Optimizer (ISO). However, you can bypass ISO's inventory suggestions by clicking the **Manual Inventory Selection** link on the Inventory Selection window.

Inventory Confirmation 1 of 1

Item Number: FPX2505401
StrataMax Better Cheswick Mesa Gray

Distributor Item Number: ARMX2505401
Distributor: OHIO VALLEY

Serial Number	Shade	Lot#	Loc	Warehouse	Quantity	Roll/Cut	Comments
07091512	CN1		A39H	CIN	109.40 SY 82' 1"	R	

*Enter minimum roll size:

Quantity Requested: 73.74 SY
Total Selected: 109.40 SY

[Manual Inventory Selection](#)

On the window that appears, you can manually select the inventory for the order.

Inventory Confirmation 1 of 1

Item Number: FPX2505401
StrataMax Better Cheswick Mesa Gray

Distributor Item Number: ARMX2505401
Distributor: OHIO VALLEY

Serial Number	Shade	Ware	Loc	Status	Quantity - SY	Quantity	SY	Roll/Cut	Quantity
07059925	C91	CIN	A01B	M	12.56	12.56		<input type="checkbox"/>	<input type="text"/> SY
07059930	C91	CIN	A40A		6.43	6.43		<input type="checkbox"/>	<input type="text"/> SY
07059937	C91	CIN	A15A	M	8.78	8.78		<input type="checkbox"/>	<input type="text"/> SY
07059979	C91	CIN	A02B	m	.66	.66		<input type="checkbox"/>	<input type="text"/> SY
07091512	CN1	CIN	A39H		109.40	109.40		<input type="checkbox"/>	<input type="text"/> SY
07091518	CN1	CIN	A12H		115.47	115.47		<input type="checkbox"/>	<input type="text"/> SY

Quantity Requested: 73.74 SY
Total Selected:

[Return To ISO](#)

Notes about Manually Selecting Inventory:

- The quantity is automatically populated with the item's default unit of measure.
- If the item is a rolled good, you need to use the Roll/Cut option to tell the system if you want the entire roll or just a cut off the roll.

- If “R” is entered, the quantity available is inserted into the **Quantity** field and the line expands to allow you to enter the minimum roll size.

Inventory Confirmation 1 of 1

Item Number: FFX2505401
StrataMax Better Cheswick Mesa Gray

Distributor Item Number: ARMX2505401
Distributor: OHIO VALLEY

Serial Number	Shade	Ware	Loc	Status	Quantity - SY	Quantity	SY	Roll/Cut	Quantity
07059925	C91	CIN	A01B	M	12.56	12.56			
07059930	C91	CIN	A40A		6.43	6.43			
07059937	C91	CIN	A15A	M	8.78	8.78			
07059979	C91	CIN	A02B	m	.66	.66			
07091512	CN1	CIN	A39H		109.40	109.40		R	109.40
*Enter minimum roll size: 73.74									
07091518	CN1	CIN	A12H		115.47	115.47			

Quantity Requested: 73.74 SY
Total Selected: 109.40 SY

[Return To JSQ](#)
Confirm
Delete

- If “C” is entered, you need to manually enter the quantity needed in the **Quantity** field.

Inventory Confirmation 1 of 1

Item Number: FFX2505401
StrataMax Better Cheswick Mesa Gray

Distributor Item Number: ARMX2505401
Distributor: OHIO VALLEY

Serial Number	Shade	Ware	Loc	Status	Quantity - SY	Quantity	SY	Roll/Cut	Quantity
07059925	C91	CIN	A01B	M	12.56	12.56			
07059930	C91	CIN	A40A		6.43	6.43			
07059937	C91	CIN	A15A	M	8.78	8.78			
07059979	C91	CIN	A02B	m	.66	.66			
07091512	CN1	CIN	A39H		109.40	109.40		C	73.74
07091518	CN1	CIN	A12H		115.47	115.47			

Quantity Requested: 73.74 SY
Total Selected: 73.74 SY

[Return To JSQ](#)
Confirm
Delete

- For non-rolled items, enter the quantity needed in the **Quantity** field.

Serial Number	Shade	Ware	Loc	Status	Quantity - CT	Quantity	CT	Roll/Cut	Quantity
D298F		CIN	L66C		22.00	22.00	5		CT
D298F		CIN	L82C		9.00	9.00			CT
D299B		CIN	L04D		24.00	24.00			CT
D299B		CIN	L07A		24.00	24.00			CT
D299B		CIN	L08D		24.00	24.00			CT
D299B		CIN	L09A		24.00	24.00			CT

Quantity Requested: 5.00 CT
Total Selected: 5.00 CT

[Return To ISO](#)

- You can return to the automatic inventory selection by clicking the **Return to ISO** link.
- Click **Confirm** to add the item and selected inventory to the order.

Displaying Multiple Serial Numbers and Product Information

Under each distributor, on the Place Order window you will see a serial number link and an information icon.

The screenshot shows the 'Place Order' window for Sherwin-Williams #1282. The window is divided into a header section and a main table. The header includes navigation tabs (Home, Place Order, Order Status, Inventory Inquiry, Shipping Dates) and a search bar. The main table has columns for 'Items*', 'Quantity*', 'UM*', and 'OHIO VALLEY'. Three items are listed:

Items*	Quantity*	UM*	OHIO VALLEY
<input checked="" type="checkbox"/> FPES31 Turlington 3 in Plank Gunstock Price: \$2.550 SF Expected: <input type="text"/> CT Job Quote Number / Pricelist: <input type="text"/> Wood	1	CT	2319.00 CT 7 S#
<input checked="" type="checkbox"/> FPX2505401 StrataMax Better Cheswick Mesa Gray Cut Price: \$12.870/10 SF Roll Price: \$12.030/10 SF Expected: <input type="text"/> RL	1	RL	558.43 SY 10 S#
<input checked="" type="checkbox"/> FP1837121L 5-1837 Quiet Comfort Laminate Underlayment Price: \$232.260 CT Expected: <input type="text"/> CT	5	CT	439.00 EA --S# 2 Items

Each item row has a green 'GO' button and an information icon (i) next to the serial number link. The 'OHIO VALLEY' column is highlighted in green for the first two items and purple for the third. At the bottom right, there are 'Expand Search' and 'Refresh All' buttons.

The number in front of the S# (i.e. **9 S#**) lets you know how different serial numbers that the distributor has for that item number.

Click the serial number link or the information icon to display the Product Information window.

Serial Number	Shade	Ware	Quantity - SY	Quantity
07059925	C91	CIN	12.56	0.00
07059929	C91	CIN	73.73	0.00
07059930	C91	CIN	6.43	0.00
07059937	C91	CIN	8.78	0.00
07059979	C91	CIN	.66	0.00
07091512	CN1	CIN	109.40	0.00
07091518	CN1	CIN	.01	0.00
07092111	CN1	CIN	.25	0.00
07092113	CN1	CIN	118.44	0.00
Totals			409.61 SY	0.00

- “Inventory By Serial#” on page 5-24
- “Item Details” on page 5-25
- “Product Knowledge” on page 5-26
- “Stock Card” on page 5-26

Inventory By Serial#

Use this tab to check inventory by serial number for the selected distributor.

Serial Number	Shade	Ware	Quantity - SY	Quantity
07059925	C91	CIN	12.56	0.00
07059929	C91	CIN	73.73	0.00
07059930	C91	CIN	6.43	0.00
07059937	C91	CIN	8.78	0.00
07059979	C91	CIN	.66	0.00
07091512	CN1	CIN	109.40	0.00
07091518	CN1	CIN	.01	0.00
07092111	CN1	CIN	.25	0.00
07092113	CN1	CIN	118.44	0.00
Totals			409.61 SY	0.00

The quantities are displayed in the item's default UOM. Use the Quantity drop down menu to see how the default UOM converts over to other UOMs. In the example below, the UOM was changed to SF.

Serial Number	Shade	Ware	Quantity - SY	Quantity
07059925	C91	CIN	12.56	113.04
07059929	C91	CIN	73.73	663.57
07059930	C91	CIN	6.43	57.87
07059937	C91	CIN	8.78	79.02
07059979	C91	CIN	.66	5.94
07091512	CN1	CIN	109.40	984.60
07091518	CN1	CIN	.01	.09
07092111	CN1	CIN	.25	2.25
07092113	CN1	CIN	118.44	1065.96
Totals			409.61 SY	3686.49 SF

Item Details

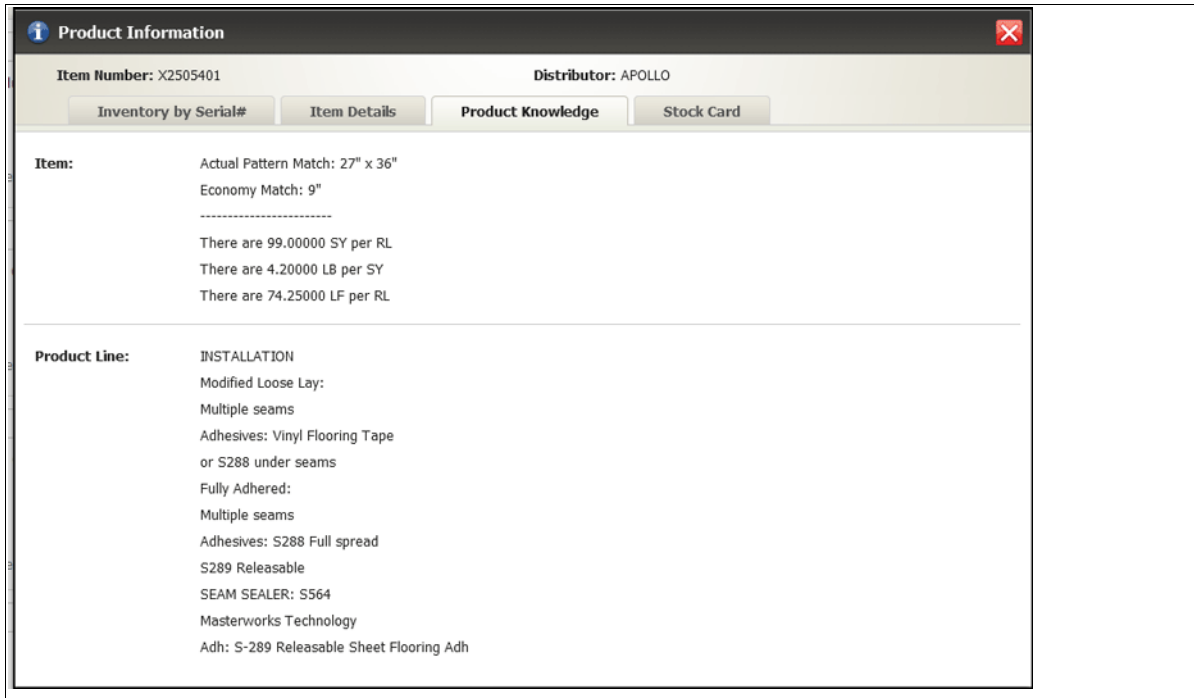
This tab is set as the default tab when the information icon is clicked.

Distributors Item Number: ARMX2505401	
Description:	STRATAMAX BETTER MESA GRAY 12' CHESWICK
Manufacturer:	ARM - ARMSTRONG VINYL-LINO-LAMINATE
Product Line:	1LF - STRATAMAX (EXPEDITIONS)
Item Status:	Stock
Comments:	* SEE F12 FOR PATTERN MATCH
Color Name:	MESA GRAY
Pattern Name:	STRATAMAX
Item Width:	12.
Wear Code:	
Rating/ABC Code:	B - GOOD STOCKING ITEMS
Full Carton:	NO
Item Class1:	RESIDENTIAL SHEET GOODS (ARM)
Item Class2:	IWMS 12' VINYL ROLL GOODS
Item Class3:	F+ - ARM MEMORIES & HIGHER

This information comes from the Item File on the SAP system.

Product Knowledge

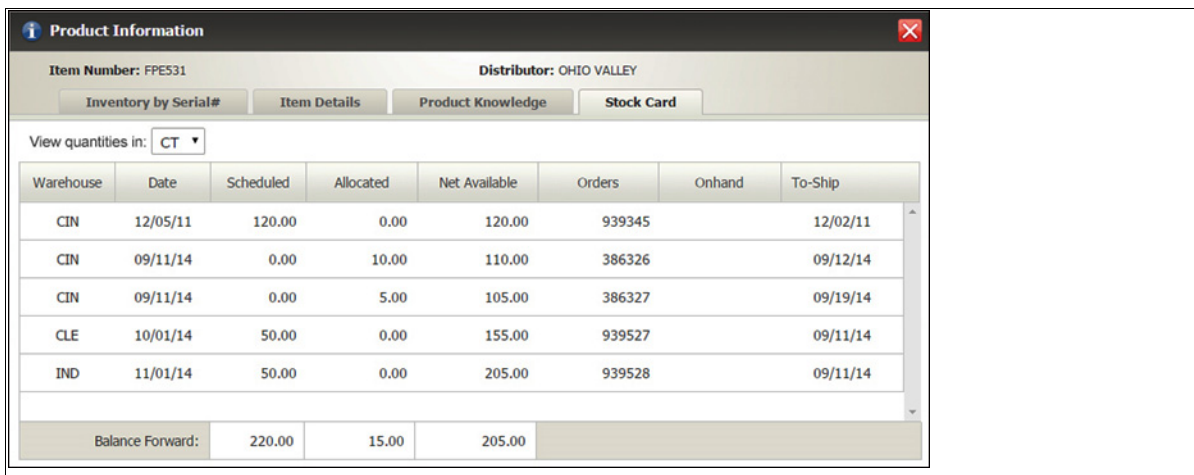
This tab displays information such as packaging information, related items and manufacturer information about the item and product line.



Stock Card

The stock card window shows the purchase orders and back orders against the item. Also displayed are the allocations against the item and net available amount of the item.

The Units of Measure available in the **View quantities in** drop box come from the Packaging File on the selected Distributor's system. If the UOM is changed, the screen converts the quantities, including the totals, to the new UOM.



Multiple Items

If an item is cross referenced to a Supplier's Item Number in the Item File, the portal alerts you and allows you to choose between the different item numbers.

The graphic below shows a Distributor's Item File with the **Suppliers' Item#** setting circled.

Description: _____		SAICIS S.P.A., CERAMICHE		
_____		Checkstring:		
Usual Supplier#	Inventory (Y/N/S):	Xref:	ISO Table#	
Price Class.... (F9)	Component (Y/N/K/D/R/S/F/L)		Replen Path	
Cost Class.... (F9)	Date Discontinued... ..			
Packaging Class	(F10)	Suppliers' Item#.... 1837121L		
Product Line... ..	Policies.....			
Class.... (1)	Lead Time (in days).....	Old=	Days	
Class.... (2)	Sequence#.....	Frnt Key ..		
Class.... (3)	Item Width.....	Pattern Repeat		
Trim Class.....	Define Remnant Size.....	Wid	Ln	
Color Name.....	Cost Ctr:	Frnt Class:	Tax?: Y	
Pattern Name... ..	Smallest U/M, Pick:	Sales:	Supp:	
Wear Code.....	Order Entry U/M:	(blank=allow any U/M)		
Rating/ABC Code ..	Qty Break Group:	Multiplier:		
Commodity Level ..	Initials:	Sub-Serial: ..	Stg Code	
UPC/Ctn	UPC Code:	Item Scan Ovr ..		
Comments _____	Last Change: 3/24/14		D/del ..	
<u>F1=Next</u>	<u>F3=Inventory</u>	<u>F4=Sales</u>	<u>F5=Production</u>	<u>F6=Search</u>
<u>F8=Screen 1</u>	<u>F9=Prices/Costs</u>	<u>F10=Packaging</u>	<u>F12=Spc/Instr</u>	<u>F16=Attributes</u>

Back on the Direct Retail Portal, when an item has multiple item numbers the number of incidents becomes a link, as shown in the last item below.

Home >> Place Order

Job Quote Number / Pricelist: Order Reason Code: 507 - CRA/FNA Special Order

Click on distributor name to place order.

Items*	Quantity*	UM*	
<input checked="" type="checkbox"/> FPES31 Turlington 3 in Plank Gunstock Price: \$2.550 SF Expected: <input type="text"/> CT Job Quote Number / Pricelist: <input type="text"/> Wood	1	CT	2319.00 CT 7.5#
<input checked="" type="checkbox"/> FPX2505401 StrataMax Better Cheswick Mesa Gray Cut Price: \$12.870/10 SF Roll Price: \$12.030/10 SF Expected: <input type="text"/> RL	1	RL	558.43 SY 10.5#
<input checked="" type="checkbox"/> FP1837121L S-1837 Quiet Comfort Laminate Underlymnt Price: \$232.260 CT Expected: <input type="text"/> CT	5	CT	439.00 EA 5# 2 Items

Expand Search Refresh All Cancel

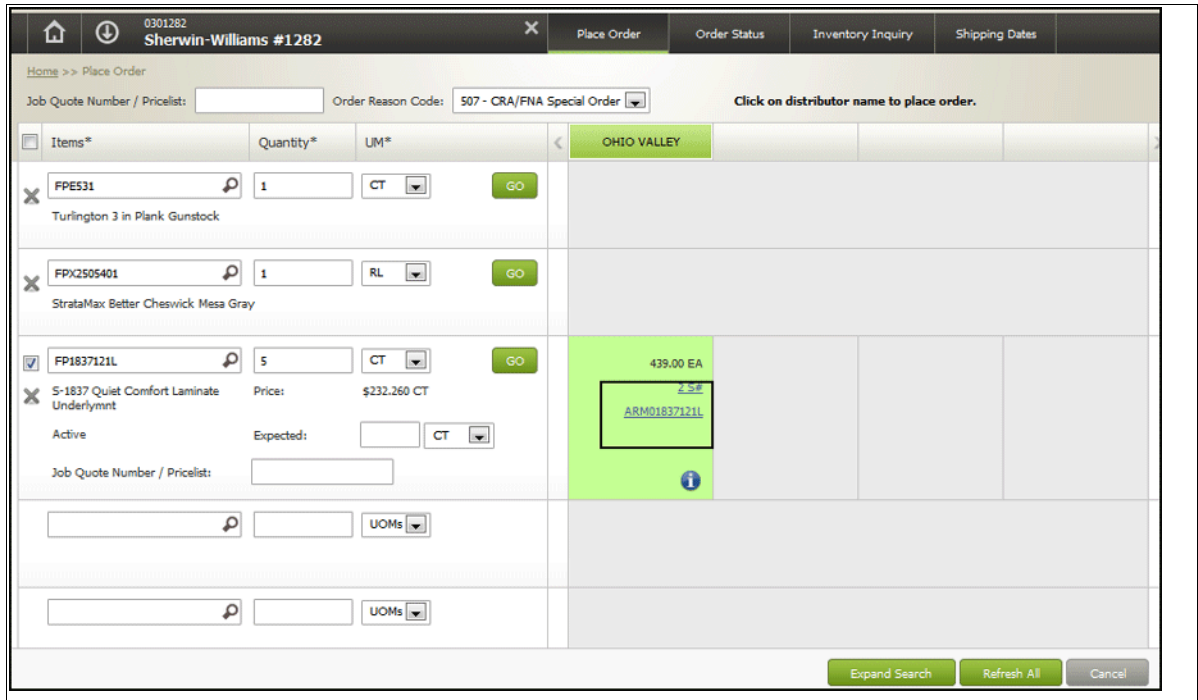
When the link is clicked, the following Message appears.

Multiple Item Numbers:

Items	Quantity
ARM01837121L	379.00 EA
ARM1837121L	60.00 EA

Continue

Select an item to add it to the order.

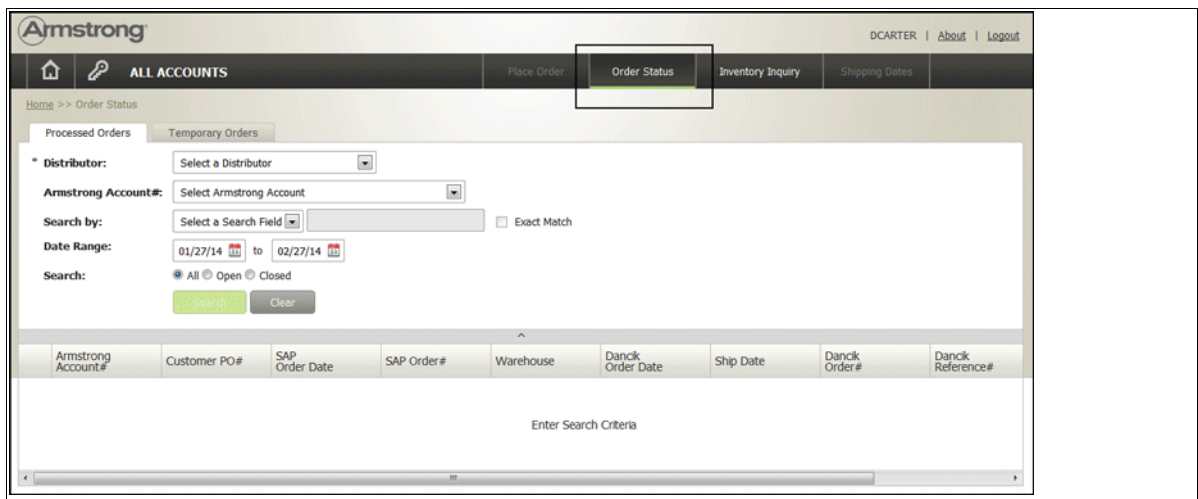


The item number selected remains a link so if needed you can click it again to access the message window and select another item.

Checking on Order Status

Order Statuses can be checked at anytime. You do not have to go through the order placement process.

To check the status of Processed and Temporary orders, click the **Order Status** link in the top menu bar.



Processed Orders are orders that have been verified on the SAP system and an 850 purchase order has been sent via EDI to the Distributor.

Temporary Orders are in the distributor’s system and have not been verified by SAP yet.

Note: For more information, refer to “Temporary Orders” on page 5-32.

Enter the necessary search criteria and select the search filters. The only setting that is required is **Distributor**. The **Search** button is inactive until a distributor is selected.

If no **Search By** parameter is selected the input field to the right of it remains inactive.

If no **Date Range** is entered the default of 30 days is used.

Click **Search** to display the results.

The screenshot shows the Armstrong Order Status portal. At the top, there is a navigation bar with 'ALL ACCOUNTS' and buttons for 'Place Order', 'Order Status', 'Inventory Inquiry', and 'Shipping Dates'. Below this, there are tabs for 'Processed Orders' and 'Temporary Orders'. The search section includes a dropdown for 'Distributor' (The Belknap White Group, Inc.), a dropdown for 'Armstrong Account#' (Select Armstrong Account), a dropdown for 'Search by:' (Dancik Reference#), and a 'Date Range' field (02/10/15 to 03/10/15). There are also radio buttons for 'Search:' (All, Open, Closed) and 'Search' and 'Clear' buttons. Below the search section is a table with the following columns: Armstrong Account#, Customer PO#, SAP Order Date, SAP Order#, Warehouse, Dancik Order Date, Ship Date, Dancik Order#, and Dancik Reference#. The table contains six rows of data. At the bottom, there is a 'Results 1 - 6 of 6' indicator and a '10 Records' dropdown.

Armstrong Account#	Customer PO#	SAP Order Date	SAP Order#	Warehouse	Dancik Order Date	Ship Date	Dancik Order#	Dancik Reference#
	1	02/10/15		CRY	02/10/15	02/12/15	411317	2028403
	SPEC 4416	03/05/15		RAL	03/05/15	03/09/15	36842	2029353
386163	PORTAL ENTER	03/05/15	1008024101	RAL	03/05/15	02/22/22	36841	2029351
	DSFS	02/16/15		CRY	02/16/15	02/17/15	411383	2028592
	DA	02/17/15		CRY	02/17/15	02/19/15	411408	2028688

Click on any of the column headings to rearrange the results based on that column. For example, click the **SAP Order Date** column to arrange the information in either descending or ascending date order.

Click the plus sign to the left of an order to display its details.

Home >> Order Status

Processed Orders Temporary Orders

* Distributor: The Belknap White Group, Inc.

Armstrong Account#: Select Armstrong Account

Search by: Danck Reference# Exact Match

Date Range: 02/10/15 to 03/10/15

Search: All Open Closed

Search Clear

Armstrong Account#	Customer PO#	SAP Order Date	SAP Order#	Warehouse	Danck Order Date	Ship Date	Danck Order#	Danck Reference#	
+	1	02/10/15		CRY	02/10/15	02/12/15	411317	2028403	
-	SPEC 4416	03/05/15		RAL	03/05/15	03/09/15	36842	2029353	
FPES31	SUMMIT HILL PLANK 14" X 3		12.00 SF	BACK ORDER		03/06/15			
+	386163	PORTAL ENTER	03/05/15	1008024101	RAL	03/05/15	02/22/22	36841	2029351
+	DSFS	02/16/15		CRY	02/16/15	02/17/15	411383	2028592	
+	DA	02/17/15		CRY	02/17/15	02/19/15	411408	2028688	

Results 1 - 6 of 6

10 Records

Click the order itself to display the Order Details window.

Home >> Order Status >> Reference#: 2029353

Order Details Notepad

Shipping Details

Armstrong Account#:

Name: ADVANCE DEPOSITS ACCOUNT

Distributor: BELKNAP

Order#: 36842

Reference#: 2029353

SAP Order#:

Order Status: BACK ORDER

Customer PO#: SPEC 4416

Job Quote Number/Pricelist:

Order Reason Code:

Entry Date: 03/05/15

SAP Order Handling Code:

SAP Closure Rule:

Order Created By:

Armstrong Account#: 91

Name: NEWLINS

Address: 555 MAIN ST

City: GRAHAM

State or Province: NC

Postal Code: 27253

Country:

Ship Via: CONTAINER SHP

Ship Date: 03/09/15

Ship Via Billing Account:

Servicing Warehouse: RAL (908)

Will Call Preference: No

Will Call Warehouse: RAL

Message Lines and Comments

Items	Quantity	Details
10 FPES31 SUMMIT HILL PLANK 14" X 3 Serial Number: <input type="text"/>	12.00 SF ATP Date: 03/06/15	Job Quote Number/Pricelist: <input type="text"/> Weight: 10.00 lbs Warehouse: RAL Status: BACK ORDER
		Total Weight: 10.00 lbs

Return to Order Search

Note: For non-portal entered orders, the information such as the customer name and shipping address is pulled in from the distributor's order.

Temporary Orders

Temporary Orders are in the distributor’s system and have not been verified by SAP yet.

The screenshot shows the 'Order Status' page with search filters for 'Temporary Orders'. The filters include:

- Distributor: Ohio Valley Flooring
- Armstrong Account#: Select Armstrong Account
- Search by: Select a Search Field
- Date Range: 02/26/14 to 03/26/14
- Search: Portal Temporary (selected), Unprocessed File Temporary

 Below the filters is a table with the following data:

	Armstrong Account#	Customer PO#	SAP Order Date	SAP Order#	Warehouse	Danjck Order Date	Ship Date	Danjck Reference#	CSR ID
+	391938	99668855	03/19/14	1006881744	CIN	03/19/14	02/22/22	5924088	AJSUMPMA
+	391938	88889999	03/24/14	1006881926	CIN	03/24/14	02/22/22	5924319	AJSUMPMA
+	381430	60RETEST	03/20/14		CLE	03/20/14	02/22/22	5924157	KBLOUCKS
+	391938	56562222	03/21/14	1006881785	CIN	03/21/14	02/22/22	5924247	AJSUMPMA
+	391938	5558899	03/24/14	1006881928	CIN	03/24/14	02/22/22	5924321	AJSUMPMA
+	391938	23568989	03/19/14	1006881745	CIN	03/19/14	02/22/22	5924091	AJSUMPMA

You can make the search very broad by simply entering a **Distributor**. Or you can narrow the search by using the additional filters of **Armstrong Account#**, **Search By** and **Date Range**.

Select to display either:

Portal Temporary orders - are in the distributor’s system and have not been verified by SAP yet.

Unprocessed File Temporary - These are orders that have been sent to the SAP system as an unprocessed order after Submit or Send to SAP and Cancel Temp Order is clicked on the Order Review window.

Click the expand icon to the left of an order to see its details.

The screenshot shows the same search filters as above. The table below shows the first order expanded to show details:

	Armstrong Account#	Customer PO#	SAP Order Date	SAP Order#	Warehouse	Danjck Order Date	Ship Date	Danjck Reference#	CSR ID
-	391938	99668855	03/19/14	1006881744	CIN	03/19/14	02/22/22	5924088	AJSUMPMA
	FPGCH452NALGZ	CENTURY FARM 5" NATURAL (HICKORY) 28 SF/CT		9.00 CT	BACKORDER		02/22/22		
	FPGCH452NALGZ	CENTURY FARM 5" NATURAL (HICKORY) 28 SF/CT		1.00 CT	BACKORDER		02/22/22		
+	391938	88889999	03/24/14	1006881926	CIN	03/24/14	02/22/22	5924319	AJSUMPMA

To access the Order Detail window for the order, simply click on the order.

Notes on Temporary Orders

- Held orders in the **Portal Temporary** search that have not yet been assigned an SAP Order# can be edited. Orders can be edited by clicking on the order to access the Order Detail window and then clicking **Edit**.

Armstrong DCARTER | About | Logout

Home >> Order Status >> Reference#: 5924157

Order Details		Shipping Details	
Armstrong Account#:	381430	Armstrong Account#:	381430
Name:	PROSOURCE OF BEACHWOOD	Name:	Prosource of Beachwood
Distributor:	OHIO VALLEY	Address:	23980 Mercantile Rd
Order#:		City:	Beachwood
Reference#:	5924157	State or Province:	OH
SAP Order#:		Postal Code:	44122
Order Status:	H - Hold	Country:	US
Customer PO#:	80KRETEST	Ship Via:	OUR TRUCK
Job Quote Number/Pricelist:	TEST12	Ship Date:	02/22/22
Order Reason Code:	507	Ship Via Billing Account:	
Entry Date:	03/20/14	Servicing Warehouse:	CLE (055)
SAP Order Handling Code:		Will Call Preference:	No
SAP Closure Rule:	Ship Complete	Will Call Warehouse:	CLE
Order Created By:	KBLOUCKS		

Message Lines and Comments

Items	Quantity	Details
10 F951955031 STATIC DISSIPATIVE TILE (SDT)	2.00 CT	Job Quote Number/Pricelist: TEST12 Weight: 126.00 lbs

Return to Order Search Edit

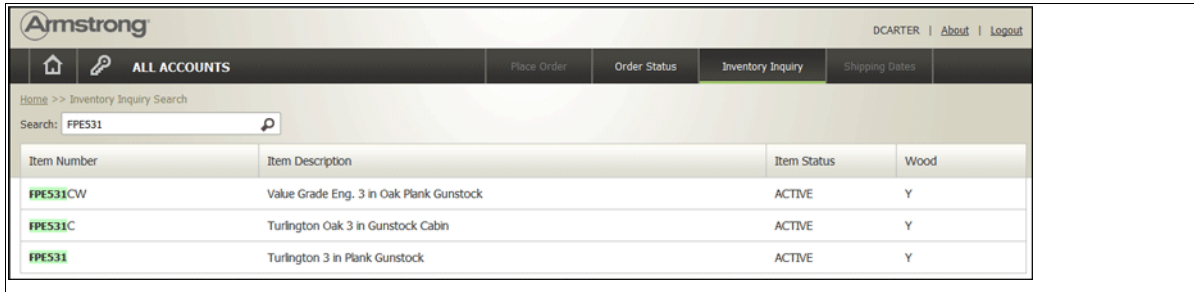
- Orders in the Unprocessed File Temporary search cannot be edited, but they can be cancelled if an SAP Order# has been assigned.

Checking Available Inventory

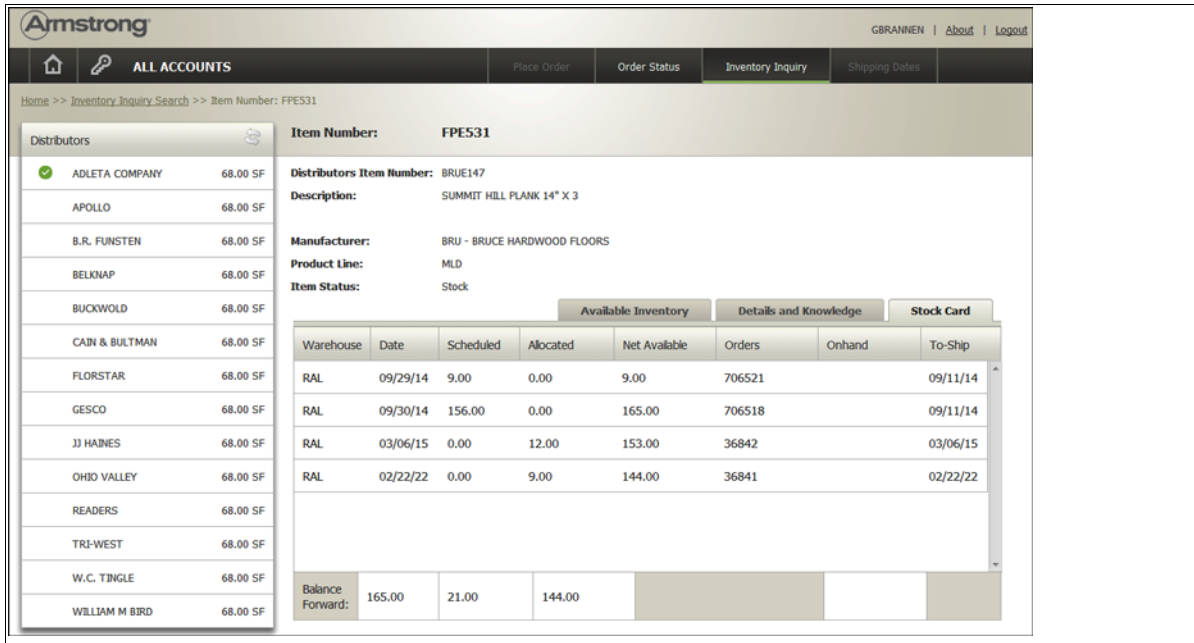
The Inventory Inquiry feature does not require an Armstrong account to be entered. The workflow is very similar whether or not an account is entered; the only difference is how the distributors are displayed.

- If an account is entered before the inventory inquiry is performed, the distributors are displayed with the default distributors shown in green the non-default, the out-of-territory distributors with dummy accounts in yellow and the distributors with no accounts set up in red.
- If no account is entered, the distributors are displayed in alphabetical order.

1. Click **Inventory Inquiry** on the main menu bar and enter as much of the item number as you know.



2. Select an item by clicking its row.



3. Click on the individual distributors to see their specific serial numbers, details and knowledge.

Checking Available Shipping Dates

The Shipping Dates option on the main tool bar allows you to check distributor shipping dates. This information can help you select a distributor before starting the order process.

The Dancik/distributor system is set-up so that it calculates the best possible date for the delivery/pick-up method selected.

Note: Canadian distributors do not provide route details therefore a user will not be able to determine the next available shipping date. The Canadian distributor will provide a shipping date when it receives the order from SAP.

To check shipping dates, an Armstrong account must be entered. If an account is not entered, the Shipping Dates link remains inactive.

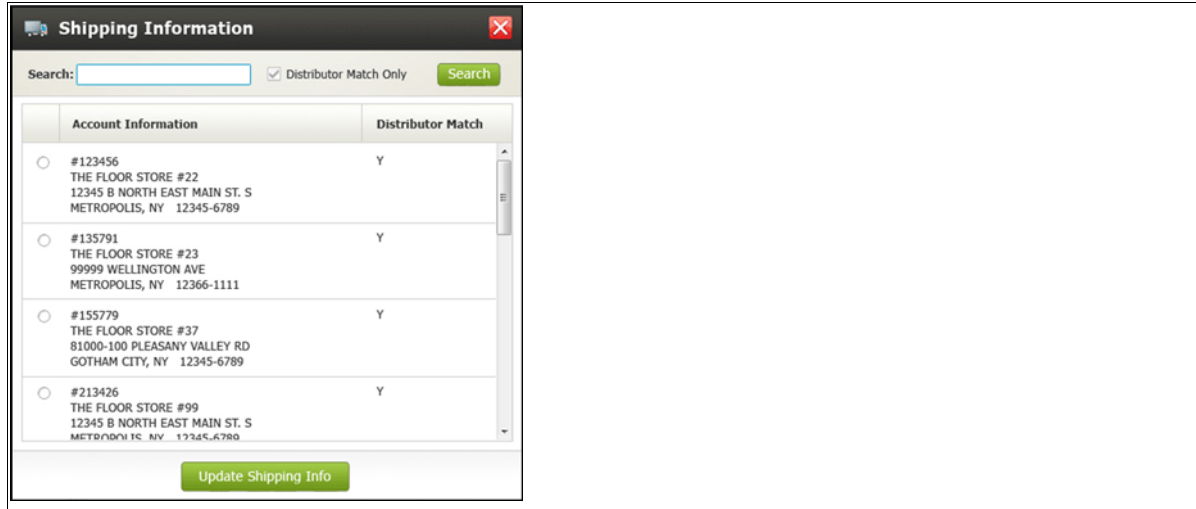
1. Enter an Armstrong account and click the **Shipping Dates** link,

The screenshot shows the Armstrong Shipping Dates portal. On the left, a list of distributors is displayed, with 'OHIO VALLEY' selected and marked with a green checkmark. The main content area shows shipping details for 'Sherwin-Williams #1282'. The 'Sales Organization' is set to 'FP01 US Non-Wood'. The 'Ship To' information includes: Armstrong Account#: 218000, Name: Sherwin-Williams #1282, Address: 4988 Aultman Road, City: CANTON, State or Province: OH, Postal Code: 44720, Country: US, and Servicing Warehouse: CIN. Below this, the 'View' dropdown is set to 'Available Shipping Dates'. The 'Ship From' is 'Ohio Valley - CINCINNATI'. A calendar for March 2014 is displayed, with the 17th highlighted in green. A key below the calendar indicates that green highlights the 'Next Available shipping day' and blue highlights 'Available shipping day'.

2. The active distributor has a check mark beside it. The distributors are arranged as follows:
 - Green - These are the normal distributor for the DBA account.
 - Yellow - These are out-of-territory or dummy accounts. You can still order from these distributors but when you do an email is sent along with the order to notify the distributor.
 - Red - These are Out of Territory (OOT) distributors who do not have an account set-up. Essentially this means that this distributors are not set-up on the Dancik system. If you need to use one of these distributors, click on them to send an email. The order is not placed until their account is set-up.
3. In the **View** drop down menu, select the shipping method. The following options are available:
 - Available Shipping Dates (the default)
 - Will Call - For will call orders the **Ship From** warehouse is the pick-up warehouse.
4. If the order requires a transfer, select a warehouse from the **Transfer From** drop down menu.
5. Click **Update Calendar** to refresh the display to show the available shipping days for the selected Transferring warehouse.
6. Select an available shipping day. The available shipping days are highlighted in green.

Providing an Alternate Shipping Address

The shipping address used is the default address set up for the account. If you want to provide an alternative, click the truck icon (🚚) to the right of the **shipto** box.



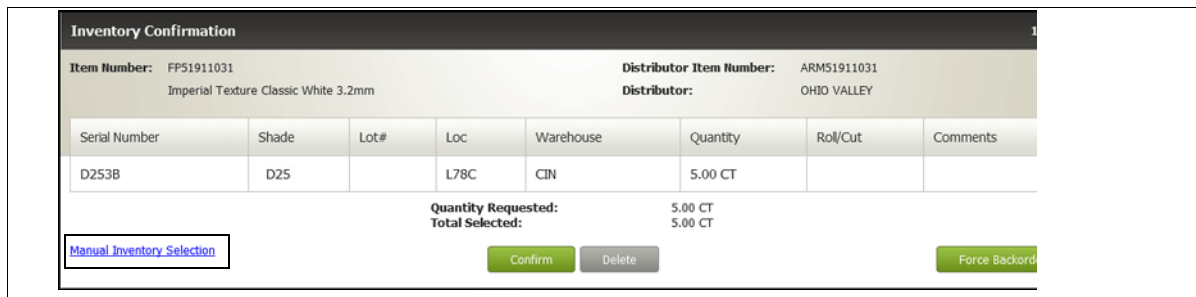
Search for and select an alternate shipping address.

To ensure accurate time tables, only matching accounts aligned between the distributors and SAP are displayed in this screen.

Reports Tied to the Direct Retail Portal

The following reports have been added to supplement the Direct Retail Portal:

- **Show Manually Ordered Inventory** - This report, generated and emailed automatically, shows the percentage of order lines that were manually entered, as opposed to using ISO, in the Armstrong Direct Retail Portal. Items are manually selected for an order, and ISO is overridden, when the **Manual Inventory Selection** link is clicked when selecting inventory during order entry.



- **Temporary Orders that are not Downloaded** - This report shows the number of temporary orders that have expired. An order is considered expired if it sits in PENDING longer than the time entered in the System Setting - Option for Removal of Unprocessed Orders/Holds from System.

```

UPDATE                               System Wide Settings Maintenance

Option for Removal of Unprocessed Orders/Holds from System

Enter the number of days to offset the Order Date when determining which
allocations will be removed for unprocessed orders. (Default=1 Day)
   2 Days to offset for company #  1  2  3 _ _ _ _ _ _ _ _ _ ?
   1 Days to offset for company #  0 _ _ _ _ _ _ _ _ _ ?
   1 Days to offset for company # _ _ _ _ _ _ _ _ _ ?

Send back order fill notifications to: _ Sales Person +/-or X Initials +/-or
                                         _ Branch (select at least one)
Send notifications a day prior to a hold expiring?.....
  Notify X Sales Person +/-or X Initials +/-or X Customer Contact +/-or
                                         X Branch (X all that apply)
Fill back orders from available stock after holds are expired?..... Y (Y/N)
Fill sequence: X Back orders by date, then holds by date, or
               _ By Date (Back Orders and Holds mixed in one batch)
Date to fill by: X Order Entry Date or _ Date Required (Ship Date) or
               _ Order Detail Allocation Date
Date to determine holds release: X Order Entry Date or _ Order Detail Alloc Dt

Enter          F7=E0J    F8=Previous Screen    F9=Hold Expiration Override Table
  
```

When the order is sent from the SAP system, it will not match on the distributor’s system if the order in PENDING has expired.

Set-up

Both reports are generated as an Excel spreadsheet both weekly and monthly.

The reports are generated automatically by the Advanced Job Scheduler. This set-up will be done by Dancik, but in case any maintenance needs to be done follow these steps:

- Enter **GO JS** on a command line to get to the Advanced Job Scheduler.
- Select option 1 to Start All.
- Look for and make the necessary edits
 - For the **Show Manually Ordered Inventory** report use the ARMMSIRPT job.

— For the **Temporary Orders that are not Downloaded** report use the ARMEXPRPT job.

```

QUSRIJS                Work with Jobs                CRATEST2
                                     4/30/14 11:29:51
Position to . . . . . Starting characters

Type options, press Enter.
1=Add  2=Change  3=Hold  4=Remove  5=Display  6=Release/Reset
7=Submit immediately  8=Change command list  9=Change job LDA ...

Job      Group      Grp      Status      Schedule  Schedule  Schedule
Opt Name  Name      Seq      Status      Date      Time      Schedule
---
ARMEXPRPT *NONE      0  *READY      5/03/14    8:30    *DAILY
ARMMSIRPT *NONE      0  *READY      5/03/14    8:00    *DAILY
BASORDJGF1 *NONE      0  *HELD       5/05/14    7:00    *DAILY
BASORDLOAD *NONE      0  *HELD       5/01/14    7:00    *DAILY
BRMSMAINT1 *NONE      0  *READY      5/06/14    5:00    *DAILY
CHGJRN0102 *NONE      0  *READY      5/15/14    5:00    *DAY
CHGJRN0201 *NONE      0  *READY      5/01/14    5:00    *DAY
More...

Parameters for options 2, 5, 7, 11, 12, 18, 19, 20 or command
    
```

Email Maintenance

The reports are automatically emailed to groups that are established via menu option **TRA 15 - Change Notification Message & Email Address Maintenance**.

The email groups for the reports are ARM_EXPRPT and ARM_MS2RPT.

```

5/07/14      Output Distribution - Event Trigger Maintenance  003025R
8:53:55      Dancik System (General)                          QPADEV003

Opt Events
- ARM_DLVDAT - Change of Delivery Date
- ARM_EMPTY  - No CSV file to send
- ARM_EXPRPT - Metric Report EXP was sent
- ARM_MS2RPT - Order lines vs manual metrics report
- ARM_NUMTCH - NO MATCH ON TEMPORARY PORTAL ORDER
- ARM_SENT   - CSV File was sent
- ARM_WILCAL - Change of Delivery Date on Will-Call order
- TPDATACHG - Transportation Planning manifest change

Bottom
    
```


To add email addresses to the reports, select one of them by entering an “X” in its Opt field. The Maintenance Screen appears. Add **Recipient Email Addresses** and/or a **Default Message**.

5/07/14	Output Distribution - Event Trigger Maintenance	OD3026M
9:56:19	Dancik System (General)	QPADEV0016
Event: Order lines vs manual metrics report		
Default Message		
Order Lines Manually Entered on the Direct Retail Portal		

Recipient Email Addresses		
dancikmetricreports@armstrong.com		
CustomerSupport@armstrong.com		

More...		
F6=Return F7=Exit		

Generating the Reports

- The system looks for order lines with a “!A” in the Workstation ID field.

Show Manually Ordered Inventory Report

- Both the number of manually entered order lines and the percent of total orders entered by the CSR are included in the report.
- The information included on the report is as follows:
 - Distributor Name (information is pulled from these distributors: ADL, ADC, BRF, BWG, BWL, CAIN, FSI, GESCO, JJH, OVF, RWD, TRI, WCT, WMB).
 - Customer Service Representative (CSR) User Profile Name
 - Total count of temporary order lines. This includes orders that never get a match where a reference number is created but not an order number.
 - The number of order lines where the CSR manually selected inventory.
- When the report is generated, it is emailed to the Armstrong Customer Service Dept.

Temporary Orders that are not Downloaded

- The information included in this report is as follows:
 - Distributor Name (information is pulled from these distributors: ADL, ADC, BRF, BWG, BWL, CAIN, FSI, GESCO, JJH, OVF, RWD, TRI, WCT, WMB).
 - Count of Temporary Orders

This includes:

Armstrong Portals

- Orders that never get processed. A reference number was created but not an order number.
- Orders in the Pending File

Excluded

- Temporary orders that get “blown away” by the distributor match process because of an incomplete match.
- Count of Temporary Order Lines
- Count of Processed Orders
- Count of Processed Order Lines
- Temporary Orders as a Percentage of processed orders

Armstrong Direct Retail Portal Set-up

The following table settings and menu systems have been created to set-up and maintain the Armstrong Direct Retail Portal:

- **System Table - ARMMISCSET** - The setting DIR_RT_PORTAL_MAIN activates the Armstrong Direct Retail Portal.
- **System Table - WEBSRVINIT** - This table is used to assign unique characters to Armstrong temporary orders so they can be easily identified and restricted.
- **B2B Services Menu** - This menu allows you to configure and assign security levels to the web services that essentially make the Direct Retail Portal work.
- **APM Armstrong CSR Portal Maintenance** - This menu is for setting up users, creating global or DBA specific messages, confirming whether an account is active and establishing secondary DBAs.
- **System Wide Setting - Options for Sales Portal Price Request** - This setting contains options that allow you to control special pricing and price requests.

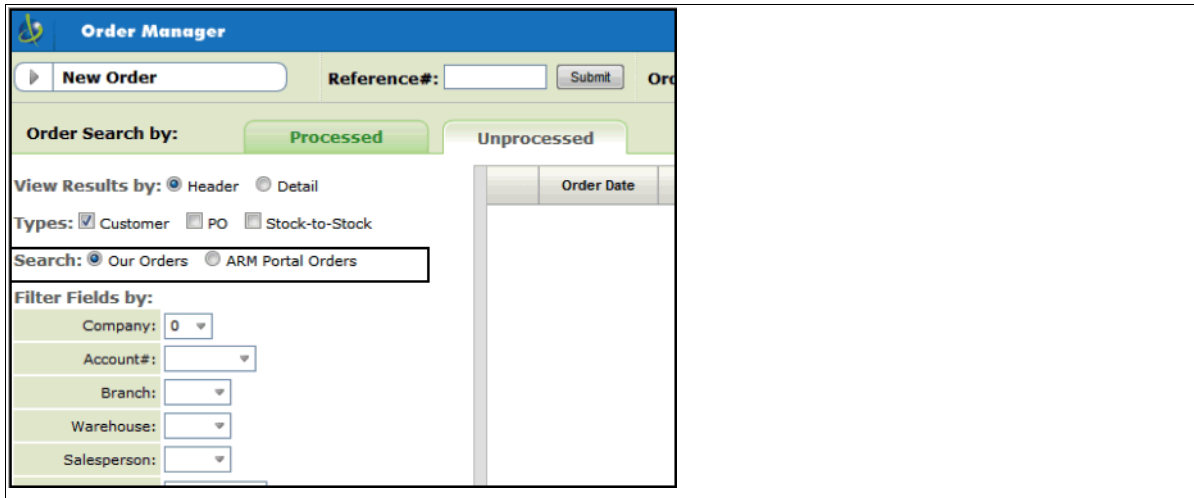
System Tables

System Table ARMMISCSET

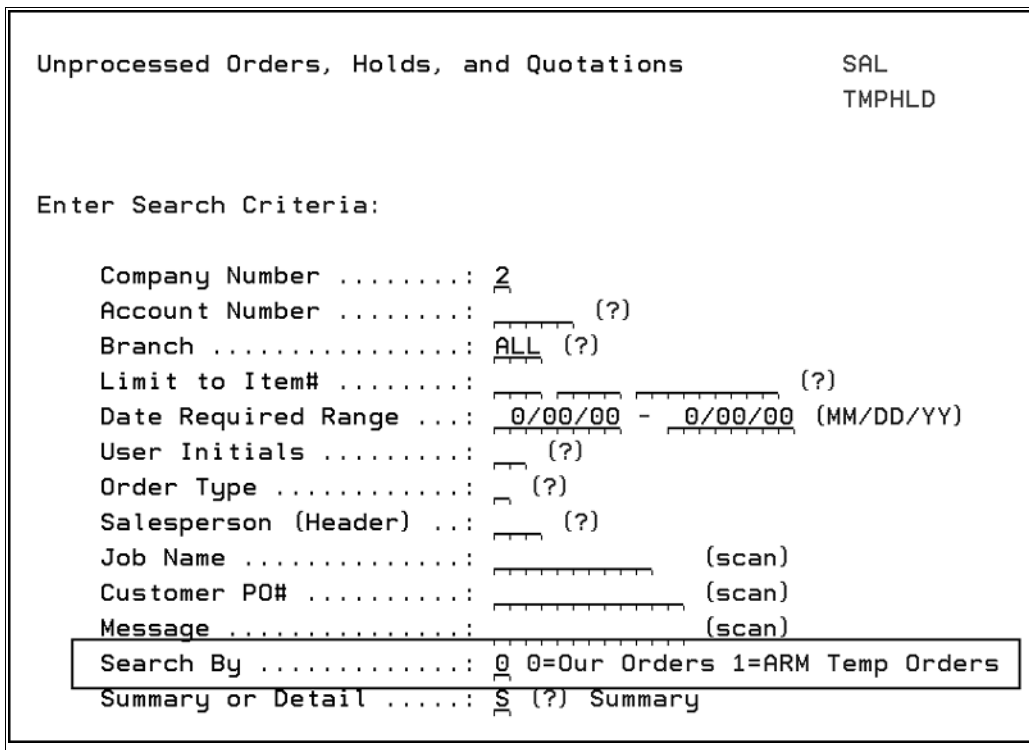
The setting, DIR_RT_PORTAL_MAIN, activates the Armstrong Direct Retail Portal.

UPDATE		System Cross Reference Table File Maintenance	
Table Name:	ARMMISCSET	Desc:	ARMSTRONG MISC SETTINGS
Position To:		Comm:	- USE FOR GLOBAL FLAGS/OPTS
"From" Description:	FLAG/OPT NAME	"To" Description:	YES/NO/SETTING
		Allow Duplicate Values	
		"From":	N (Y/N)
		"To":	Y
"From" Values:		"To" Values:	
	DIR_RT_PORTAL_MAIN		YES
	WCBYWAREHOUSE		YES

The DIR_RT_PORTAL_MAIN setting must be set to **Yes** to activate the Armstrong Direct Retail Portal functionality. For example, if the setting was not activated the search capability shown below in Navigator Order Management would not display.



It also would not display on the green screen (iSeries) screens either.



- **Our orders** - are all normal orders entered manually or via EDI download.
- **ARM Portal Orders** - Temporary orders that allocate inventory and will be matched in the EDI download to become a regular order. After matching takes place, the order may still be unprocessed and would then be found in “Our Orders”.

System Table - WEBSRVINIT

This table is used to assign unique characters to Armstrong temporary orders so they can be easily identified and restricted.

UPDATE System Cross Reference Table File Maintenance		
Table Name: WEBSRVINIT	Desc: WEB SERVICE INIT & WSID	
Position To: _____	Comm: FOR PENDING ORDER W/ RESTRICT	
"From" Description: WEB SERVICE PARTNER	"To" Description: INIT&WS (2) -RST (0/1)	Allow Duplicate Values "From": N (Y/N) "To": N
"From" Values: ARMSTRONG B2B	"To" Values: IA 1 IB 0	

In this example, Armstrong temporary portal orders are assigned the characters "IA" as the User Initials and Workstation ID.

The last position can be either 0 or 1.

- 1 - restricts the order from being changed
- 0 - opens the order up for edits

If an order is restricted, it can only be accessed in Inquiry mode and no changes can be made. Notice, as shown in the figure below, the **IA** is inserted as the user's initials and a label is added alerting the user that the order is restricted from maintenance.

The screenshot shows the 'Order Manager' interface for a customer order with Reference # 1039236. A red banner message reads: 'ARMSTRONG TEMPORARY PORTAL ORDER IS RESTRICTED FROM MAINTENANCE.' The order details include Account # 000789, Ship To: DEBBIE DUKE, and Order Date: 02/27/13. A table of order lines is visible, with items like 'CUSTOMER NEEDS TO INSTALL IN 1 WEEK SO WILL PICK U' and 'KITCHENFLOOR'. At the bottom, a summary table shows an Item Total of \$896.40 and a Balance Due of \$941.22.

Line	Item#	Quantity	Unit Price	Extended Price	Ware	Status	Serial#	Location	Shade	Weight	Quantity Received	Quantity in Pre-receipts	Rec
1											0.00	0.00	0
2											0.00	0.00	0
11	KITCHENFLOOR										0.00	0.00	0
21	KITCHENFLOOR										0.00	0.00	0
30	ARB128 COLONIAL SAMPLER 12X12 TILE	20.00	CT	\$44.220	\$884.40	RAL	BACKORDER			.00 LB	0.00	0.00	0
31	KITCHENFLOOR										0.00	0.00	0
32	ADD MESSAGE										0.00	0.00	0
40	ARCKA SA 1009 KAS CUSTOM RUG 12X16 ITALIA	1.00	EA	\$12.000	\$12.00	RAL	BACKORDER			.00 LB	0.00	0.00	0

Item Total:	\$	896.40	Total Weight:	LB
Terms Discount:	\$.00		
Freight:	\$.00		
Taxes:	\$	44.82	Payments:	\$.00
Order Total:	\$	941.22	Balance Due:	\$ 941.22

B2B Services Menu

This menu system is for configuring the Armstrong Portal web services that are used to gather information and/or place orders on a distributor's system.

In order to implement the Armstrong Direct Retail Portal web services, Dancik requires configuration of the following:

- An API key
 - A “Secret” key. There are no specific requirements placed on the construction of the secret key, but it is recommended that it at least follow the conventions of strong passwords.
1. The first step is to assign the security measures to the web services. This is done through the B2B Maintenance Menu.

```
9/03/13          DANKIK INTERNATIONAL, LTD.          GBRANNEN
09:22:30          B2B SERVICES MENU                  SAL
                                                    2013

Opt Description                Opt Description
Set-up Options
  1 API Key File Maintenance

** UNIVERSAL OPTIONS **
993 Display System Messages
994 Send System Messages
995 Your Printer Output
996 Output Distribution
997 Event Management
998 Logout of Menu System
999 Signoff

                                                    Bottom
Enter Desired Menu / Option# ====> B2B ==

F1=Add  F2=Select  F5=Personal  F9=Additional  F10=Scan  F11=Alt View  H
```

2. Select option 1 - **API Key File Maintenance**. This option allows you to create an API key and then assign web services to it. Every trading partner should be assigned an API key.

```

9/03/13          FCB2B Web Services Administration          FB30001R
10:05:25          API Key File Maintenance                  AA
-----
Opt API Key      API Name
-----
  API_PGALAL    PHILIPPE GALAL API

Bottom

Options ==> C=Cpy  D=Del  I=Inq  S=Services  U=Upd
F1=Add  F7=Exit
    
```

3. To create a new API key, press **F1**. To update an existing API key, enter a “**U**” into its **Opt** field and press **Enter**.

```

9/18/13          CSR - PORTAL                              FB30001MA
14:21:59          CSR User File Maintenance                AA
Change
-----
API Key .....: API_PGALAL
API Name .....: PHILIPPE GALAL API
User ID .....: PGALAL
Secret Key.....: ABC123
Active - Y/N.....: Y
    
```

4. The API key should be linked to a **User ID** created and maintained via menu option SET 2. The API key does not need to be a real user ID from your AS/400.

*Note: The **User ID** is not authenticated by the system. However it can be used, through set up in the Dancik system, to limit access to specific parts of the system.*

5. The **Secret Key** is used, like a password, for authentication.

- To enable web services on the API key, use the “S” option. By default all the web services are in an inactive status. Scroll through the list and activate the web services for this API key.

```

9/18/13          FCB2B Web Services Administration          FB30002M
14:27:29        Work with Service Authorization File        AA
API Key:  API_PGALAL
           PHILIPPE GALAL API
           Active
Opt  Status  Service ID
-----
) ) No      check_distributor_match
) ) No      confirm_iso
) ) No      deallocate_pending_items
) ) No      execute_iso
) ) No      execute_manual_inventory_selection
) ) No      force_backorder
) ) No      get_account_number_from_DBA
) ) No      get_available_shipping_dates
) ) No      get_distributor_color
) ) No      get_item_detail
) ) Yes     get_item_inventory
) ) Yes     get_item_inventory_by_serial
) ) No      get_item_product_knowledge
                                           More...

Options ==> G=Grant  R=Revoke
F6=Return  F7=Exit
    
```

- Press **Enter** to activate the selected web services.

```

9/18/13          FCB2B Web Services Administration          FB30002M
14:27:29        Work with Service Authorization File        AA
API Key:  API_PGALAL
           PHILIPPE GALAL API
           Active
Opt  Status  Service ID
-----
) ) Yes     check_distributor_match
) ) Yes     confirm_iso
) ) Yes     deallocate_pending_items
) ) Yes     execute_iso
) ) Yes     execute_manual_inventory_selection
) ) Yes     force_backorder
) ) Yes     get_account_number_from_DBA
) ) Yes     get_available_shipping_dates
) ) Yes     get_distributor_color
) ) Yes     get_item_detail
) ) Yes     get_item_inventory
) ) Yes     get_item_inventory_by_serial
) ) No      get_item_product_knowledge
                                           More...

Options ==> G=Grant  R=Revoke
F6=Return  F7=Exit
    
```

- To deactivate a web service, use the “R”evoke option.

9. When the API key and the secret key are included, and validated, in the communication between the information requesting and information supplying companies the selected web services are invoked to supply information.

Armstrong Portal Web Services

The following web services conform to fcB2B security protocols:

- `get_item_inventory`
- `get_item_inventory_by_serial`
- `get_item_detail`
- `get_item_product_knowledge`
- `execute_iso`
- `confirm_iso`
- `deallocate_pending_items`
- `execute_manual_inventory_selection`
- `force_backorder`
- `get_stock_card`
- `get_available_shipping_dates`
- `get_account_number_from_DBA`
- `get_list_of_warehouse`
- `check_distributor_match`
- `get_distributor_color`

Armstrong CSR Portal Maintenance (APM)

Use this menu to perform maintenance on the Armstrong Direct Retail Portal.

```
1/15/16          DANCIC DISTRIBUTION, LTD.          GBRANNEN
11:12:47          Armstrong CSR Portal Maintenance    SAL
                                                         2014

Opt Description
-----
File Maintenance Options
 1 CSR User File
 2 Bulletin Board
 5 Out of Territory No Account Set Up
 8 User/DBA Restrictions
11 Portal Retention Duration
18 Customer DBA Account Status
29 Out of Territory Dummy DBA
31 Will Call Transfer Days By Distributor
35 Distributor Location Maintenance
36 Distributor Ship Via XRef Maintenance
37 Distributor Will Call Location Filter Maintenance
38 Ship Via Billing Account Maintenance

                                                         More...

Enter Desired Menu / Option# ====> APM █

-----
F1=Add  F2=Select  F5=Personal  F9=Additional  F10=Scan  F11=Alt View  █
```

APM 1 - CSR User File

This option allows you to create the user IDs for access into the Direct Retail Portal. Only the users created with this option can sign into and use the portal.

```
1/28/14          CSR USER FILE                      CP30001R
14:41:16          User ID File Maintenance          QPADEV000X

Opt User ID - Portal          Name
-----
  GBRANNEN                      GARY BRANNEN
  █                               █
  JBONTKE                        JOHN BONTKE
  █                               █
  MARK                            MARK
  █                               █
  MIKEE                           MIKE B
  █                               █
  PBLOOMERI                       PATRICK BLOOMER - INT
  █                               █
  PGALAL                          PHILIPPE GALAL

Options ==> C=Cpy  D=Del  I=Inq  U=Upd
F1=Add  F7=Exit  █
```

Press **F1** to add a new user or enter a **“U”** in the **Opt** field to update a current user’s information.

1/28/14	CSR - PORTAL	CP30001MA
14:47:34	For: File Maintenance	QPADEV000X
		Change
User ID	GBRANNEN	
Password	DANCIK	
Name Description.....	GARY BRANNEN	
E-Mail Address.....	GBRANNEN@DANCIK.COM	

Active - Y/N.....	Y	

F6=Return F7=Exit		

If the user is set up in this file, they can sign into the portal.

The screenshot shows the Armstrong logo at the top. Below it is a 'User Login' section with a dark header. There are two input fields: 'Username' containing 'GBRANNEN' and 'Password' containing six dots. A 'Remember Me' checkbox is checked. At the bottom are 'Login' and 'Clear' buttons.

If a user is not included in this file, they will receive the following error message.

The screenshot shows the Armstrong logo at the top. Below it is a 'User Login' section with a dark header. A red-bordered box contains the error message: 'The Username/Password combination is invalid.' Below this are two input fields: 'Username' containing 'joeuser' and 'Password' containing six dots. A 'Remember Me' checkbox is checked. At the bottom are 'Login' and 'Clear' buttons.

Customer Account Window

Customer Information

Armstrong Account#: 218000
 Name: Sherwin-Williams #1282
 Address: 4988 Aultman Road
 City: CANTON
 State or Province: OH
 Postal Code: 44720
 Country: US
 Phone: 330-494-0558

Shipping Information (Default)

Armstrong Account#: 218000
 Name: Sherwin-Williams #1282
 Address: 4988 Aultman Road
 City: CANTON
 State or Province: OH
 Postal Code: 44720

Sales Organization

FP01 US Non-Wood
 FP21 US Wood
 Status: ACTIVE
 Sales Representative:
 Phone:
 Will Call Preference: No
 Default Distributors: Ohio Valley Flooring (Default)

Bulletin Board

GOOD LUCK WITH FIRST DAY OF TRAINING PILOT GROUP!!!!
 030400--TEST FOR SPEC 4274
 030400--SEPERATE KRAIS NOTE MARKED AS #1
 030400--NOTE FOR KRAIS WILLIAM BIRD

APM 5 - Out of Territory No Account Set Up

Use this menu option to assign email addresses to those out of territory distributors. Out of Territory (OOT) distributors do not have an account set-up. Essentially this means that this distributors are not set-up on the Dancik system.

4/01/14
 15:46:19

Customer DBA Status
 For: File Maintenance

CP30005R
 XS

Opt	Distributor	Email	Email CC
-	ADC400	AJSUMPMAN@ARMSTRONG.COM	KBLOUCKS@ARMSTRONG.COM
-	ADL400	ADL400@GOOGLE.COM	ADL400_cc@gmail.com
-	BPI400	DIST11@GOOGLE.COM	BPI400_cc@gmail.com
-	BRC400		
-	BRF400	BRF400@GOOGLE.COM	BRF400_cc@gmail.com
-	BWG400	BWG400@GOOGLE.COM	BWG400_cc@gmail.com
-	BWL400	DIST11@GOOGLE.COM	BWL400_cc@gmail.com
-	CAIN400	CAIN400@GOOGLE.COM	CAIN400_cc@gmail.com
-	DEN400	DIST1@GOOGLE.COM	DEN400_cc@gmail.com
-	DER400	DIST11@GOOGLE.COM	DER400_cc@gmail.com
-	DIST999	PLANT@PLANT.COM	DIST999_cc@gmail.com
-	FSI400	ALEVESQUE@ARMSTRONG.COM	KBLOUCKS@ARMSTRONG.COM
-	GESCO400	GESCO400@GOOGLE.COM	GESCO400_cc@gmail.com

More...

Options ==> C=Copy D=Delete I=Inquiry U=Update
 F1=Add F7=Exit

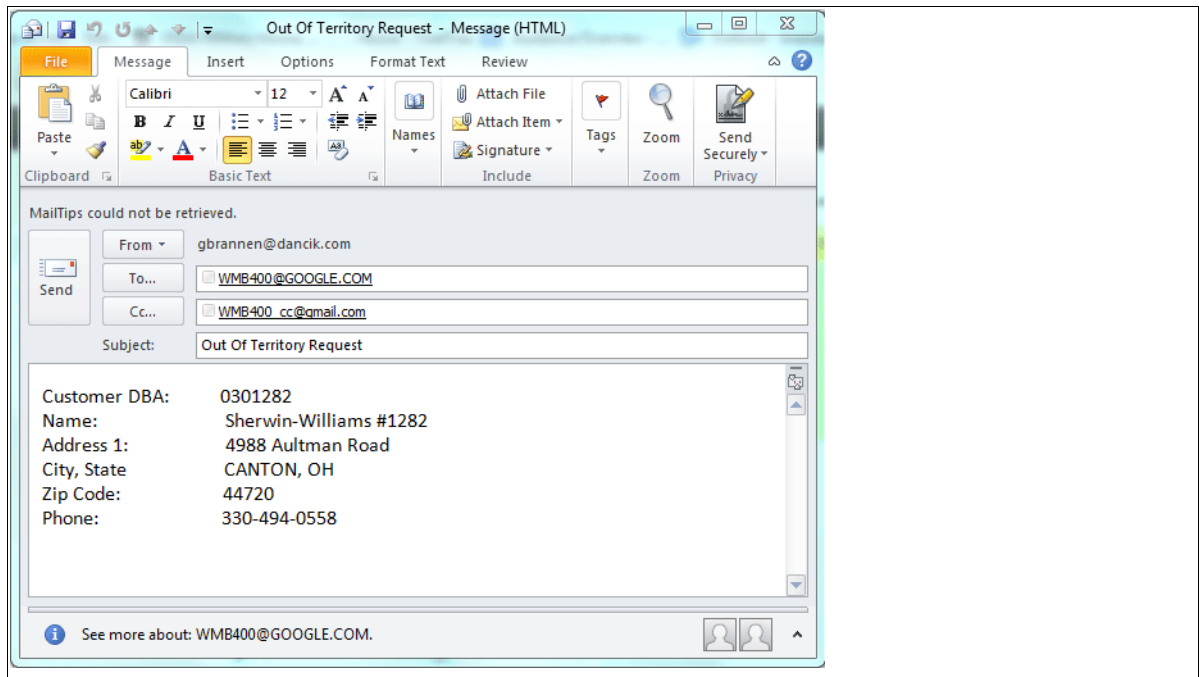
To create a new entry, press **F1** then enter the Distributor. Press **Enter** to enter the main email address and a CC email address.

4/01/14 16:37:29	PROGRAM TEMPLATE For: File Maintenance	CP30005MA XS
Distributor.....:	GESCO400	
Email.....:	GESCO400@GOOGLE.COM	
Email CC Address.....:	GESCO400_cc@gmail.com	

Out of Territory Distributors are displayed when the Expand Search button is clicked on the Direct Retail. They are displayed in a red tab.

The screenshot shows the Armstrong web portal interface. At the top, there is a navigation bar with the Armstrong logo, a user ID '0301282', and the name 'Sherwin-Williams #1282'. Below this is a breadcrumb trail 'Home >> Place Order'. The main content area includes a 'Job Quote Number / Pricelist' field, an 'Order Reason Code' dropdown set to '507 - CRA/FNA Special Order', and a prompt 'Click on distributor name to place order:'. A horizontal list of distributor tabs is shown: 'TRI-WEST', 'W.C. TINGLE', 'WILLIAM M BIRD', and 'GESCO'. The 'GESCO' tab is highlighted in red. Below the tabs is a table with columns for 'Items*', 'Quantity*', and 'UM*', with search and dropdown icons. At the bottom right, there are buttons for 'Expand Search', 'Refresh All', and 'Cancel'.

If you need to use one of these distributors, click on them to send an email.



The order is not placed until their account is set-up.

APM 8 - User/DBA Restrictions

This option is not currently being used.

APM 11 - Portal Retention Duration

This option lets you enter the number of days that Portal Transaction Date is retained. When the number of days passes, a purge of the Portal Transaction Data (ARMXTRA file) takes place.

4/02/14	Customer DBA Status	CP30011R
8:49:13	For: File Maintenance	XS
<u>Opt</u>	<u>Record ID</u>	<u>Retention Days</u>
	<u>Z</u>	
-	X	100
-	Z	150
Bottom		
Options ==> C=Copy D=Delete I=Inquiry U=Update		
F1=Add F7=Exit		

Only the temporary working records in the ARMXTRA file are purged. Information and orders on a Distributor's system or in the Direct Retail Portal are not purged.

APM 18 - Customer DBA Status

This option allows you to enter a “secondary” account status check. The primary account status is entered in the SAP system.

This secondary status serves as a “hard” check in case, for whatever reason, the primary check in the SAP system is bypassed or ignored.

Opt	Doing Business As	Sales Area	Customer Status	Active Status
-	YXR...UU	FP01	CFS	Y
-	383456	FP02	CFS	Y
-	384567	FP21	CFS	Y

Bottom

Options ==> C=Copy D=Delete I=Inquiry U=Update
F1=Add F7=Exit

The **Sales Area** is sent down from the SAP system.

- FP01 - Non Wood,
- FP21 - Wood,
- FP02 - Canada (Wood and non-wood).

The **Customer Status** provides a text override for accounts that are not active. The Active Status column relates to the record in this file itself. If it is not active status, the presentation setting will not be shown. The default verbiage is “CFS ACCOUNT REVIEW” (CFS).

Within the portal, the customer status is shown in several places. Among them are:

The Account Information/Detail window

Customer Information

Armstrong Account#: 380997
 Name: ProSource of Indianapolis
 Address: 8001 Castleway Drive
 City: Indianapolis
 State or Province: IN
 Postal Code: 46250
 Country: US
 Phone: 317-915-8200

Sales Organization

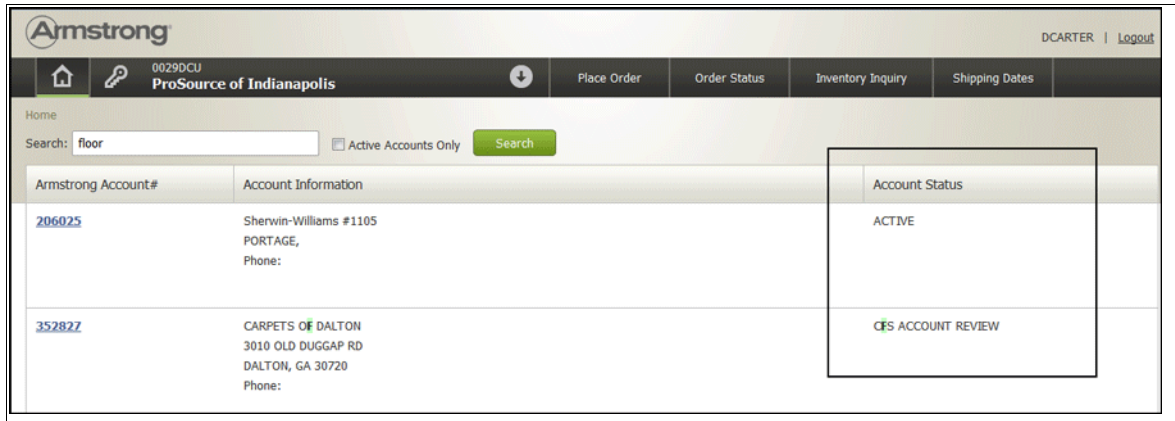
FP01 US Non-Wood
 FP21 US Wood

Status: CFS ACCOUNT REVIEW

Sales Representative: Jason R. Alton
 Phone: 859-912-4207
 Will Call Preference: No
 Default Distributors: Ohio Valley Flooring (Default)

Storybook

The Account Search Results window



Currently the Account Status can be:

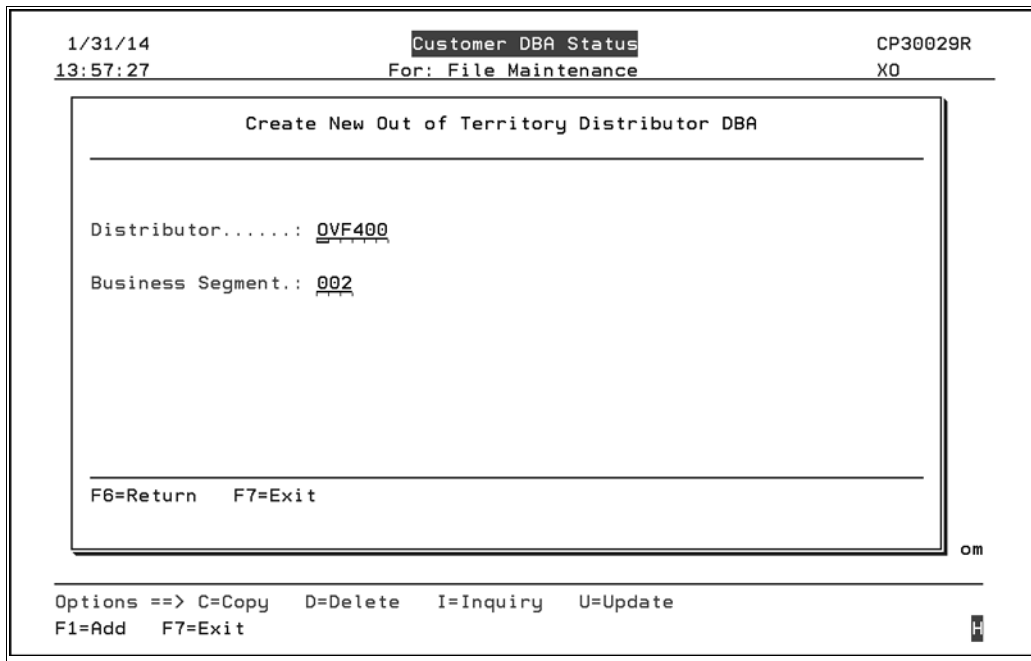
- Active
- CFS Account Review - Which means orders from that customer are blocked. The customer could be deleted or inactive.

APM 29 - Out of Territory DBA Maintenance

Use this option to create “dummy” account DBAs. These “dummy” accounts can then be used to order material from a distributor that a CSR does not normally order from.

After going into menu option APM 29, press **F1** to create a new entry.

Enter the **Distributor** and the **Business Segment**.



Press **Enter** to access the second screen of settings.

1/31/14	PROGRAM TEMPLATE	CP30029MA
14:40:22	For: File Maintenance	X0
		Change
Distributor.....: 0VF400		
Business Segment.....: 001		
DBA.....: <u>309783</u>		
Contact Name.....: <u>GARY BRANNEN</u>		
Email Address.....: <u>GBRANNEN@OVF.COM</u>		
Active Flag.....: <u>Y</u> (Y/N)		
Delete Flag.....: <u>N</u> (D)		
F6=Return F7=Exit		

Enter the DBA number, Contact Name and Email Address for the new account.

An example of the Direct Retail Portal is shown below.

The background colors mean:

- Green - These are the normal distributor for the DBA account.
- Yellow - These are out-of-territory or dummy accounts. You can still order from these distributors but when you do an email is sent along with the order to notify the distributor.

- Red - These are Out of Territory (OOT) distributors who do not have an account set-up. Essentially this means that this distributors are not set-up on the Dancik system. If you need to use one of these distributors, click on them to send an email. The order is not placed until their account is set-up.

APM 31 - Will Call Transfer Days by Distributor

This table is used to adjust the date request on non-routed will call orders. It essentially adds the necessary transfer days to Will Call orders.

Opt	Distributor	Transfer From	Transfer To	# of Days	Active
	ADC400	ATL	CHI	005	Y
	ADL400	BWG	CHI	002	Y
	BRF400	ATL	CHI	007	Y
	GESC0400	CIN	CLE	002	Y
	OVF400	CIN	CLE	001	Y
	OVF400	CIN	IND	001	Y
	OVF400	CIN	LOU	001	Y
	OVF400	IND	CIN	003	N
	OVF400	LOU	CIN	004	Y
	WCT400	CLE	CLK	005	Y

Bottom

F1=Add F7=Exit
Options ==> C=Copy D=Delete I=Inquiry U=Update

The table is used to modify date request only after the native date routines are completed and a delivery date has been calculated.

For example, using the table shown above, if Distributor ADC400 had a will call order that was being transferred from the ATL warehouse the CHI warehouse 5 days would be added to the delivery date.

Note: This table is not used for orders that are on delivery routes. Those orders are covered by the Interwarehouse Transfer Times (DEL 4) and the Routes File Maintenance (DEL 1).

On the distributor's box, file cp0030f gets automatically updated by the records on CRA in APM 31.

APM 35 - Distributor Location Maintenance

This table allows you to enter the city, state, and phone number for the default distributor for each account.

```

3/27/15          Distributor Location Maintenance          CP30035R
8:18:35          For: File Maintenance                    QPADEV0010
-----
Opt Account#          Description
-----
] 650002              ADLETA COMPANY
] 650004              BELKNAP WHITE GROUP
] 650005              B R FUNSTEN
] 650012              OHIO VALLEY FLOORING
] 650492              PACIFIC
] 650502              BUILDING PLASTICS

More...

Options ==> C=Copy  D=Delete  I=Inquiry  U=Update
F1=Add   F7=Exit
    
```

Press **F1** to create a new entry based on an account.

To update an existing entry, enter a “**U**” in its **Opt** field and press **Enter**.

```

3/27/15          PROGRAM TEMPLATE                          CP30035MA
8:21:13          For: File Maintenance                    QPADEV0010
-----
Change

Account #.....: 650002
Description.....: ADLETA COMPANY
City.....       : CARROLLTON CITY
State.....      : TX
Telephone #.....: 999-555-1000

F6=Return  F7=Exit
    
```

Enter or edit the default distributor information as needed.

Note: Default distributors are assigned on the SAP system.

This information shows up in the Sales Portal. Prior to the introduction of this table in 2015, distributors who were not on the Dancik System did not have their contact information displayed. That information had to be looked up on the SAP system.

The screenshot shows the Armstrong Sales Portal interface. At the top, there is a navigation bar with the Armstrong logo, user name 'DEREK', and links for 'About' and 'Logout'. Below this is a header with a home icon, a clock icon, and the account name '0302709 Sherwin-Williams #2709'. There are also buttons for 'Place Order', 'Order Status', 'Inventory Inquiry', and 'Shipping Dates'. The main content area is divided into several sections:

- Customer Information:**
 - Armstrong Account#: 205298
 - Name: Sherwin-Williams #2709
 - Address: 3705 Hickory Hill Road
 - City: MEMPHIS
 - State or Province: TN
 - Postal Code: 38115
 - Country: US
 - Phone:
- Shipping Information (Default):**
 - Armstrong Account#: 205298
 - Name: Sherwin-Williams #2709
 - Address: 3705 Hickory Hill Road
 - City: MEMPHIS
 - State or Province: TN
 - Postal Code: 38115
- Bulletin Board:**
 - ALL CUSTOMERS SEE THIS MESSAGE.
- Sales Organization:**
 - Buttons for 'FP01 US Non-Wood' and 'FP21 US Wood'.
 - Status: ACTIVE
 - Sales Representative:
 - Phone:
 - Will Call Preference: No
 - Default Distributors:** Adleta Company (Default)
 - Phone: 9995551000
 - City: CARROLLTON CITY
 - State: TX
- Storybook:** (Empty section)

A 'Close' button is located at the bottom center of the window.

Note: If the default distributor's information is not set up in the table, the contact information will not appear in the Sales Portal.

APM 36 - Distributor Ship Via XRef Maintenance

Use this table to establish the ship vias that are displayed in the **Ship Via** drop down menu on the order confirmation window.

The screenshot shows the 'Shipping Details' form in the Armstrong Sales Portal. At the top, there is a dropdown menu set to 'Same As Customer Information' and a printer icon. The form contains the following fields:

- Armstrong Account#: 386163
- Name: Loker Enterprises, Inc
- Address: Bldg 5 St 249 Homestead Rd
- City: Hillsborough
- State or Province: NJ
- Postal Code: 08844
- Country: US
- * Ship Via: A dropdown menu is open, showing options: 'OUR TRUCK' (selected), 'ESTES', and '*WILL CALL'.
- * Ship Date:
- Ship Via Billing Account:
- Servicing Warehouse:
- Will Call Preference: No
- Will Call Warehouse: DANCIK / RALEIGH

1. Access the table via menu option APM 36. A listing of the established distributors appears.

Opt	Distributor	Distributor Name
	ADC400	Apollo Distributing Co Inc
	ADL400	Adleta Company
	BRF400	B R Funsten & Company
	BWG400	The Belknap White Group, Inc.
	BWL400	Buckwold-Western
	CAIN400	Cain & Bultman Inc
	FSI400	Florstar Sales Inc
	GESCO400	Gesco Limited Partnership
	JJH400	J J Haines & Co Inc
	OVF400	Ohio Valley Flooring
	RWD400	Reader's Wholesale Distributors LTD
	TRI400	Tri-West Ltd
	WCT400	W C Tingle Company, Inc.
	WMB400	William M Bird & Co Inc

Options ==> X=Select
F7=Exit

2. To get a look at the ship via codes assigned to a distributor, enter an “X” in its **Opt** field and press **Enter**.

Opt	Ship Via	Ship Via Text	Active - Y/N
	ES	ESTES	Y
	OT	OUR TRUCK	Y
	WC	WILL CALL	Y

Options ==> C=Copy D=Delete I=Inquiry U=Update
F1=Add F6=Return F7=Exit

The ship vias entered in this table must match the ship vias on the distributors system. If a ship via is entered into the table that does not exist on the distributor’s system it will not appear in the drop down menu on the Retail Sales Portal.

* Ship Via:

* Ship Date:

Ship Via Billing Account:

Ship Vias designated as pick ups or will calls on the distributor’s system are preceded with an “*”.

- If there are no ship vias entered in the table or if none of the ship via codes match the ship vias on the distributor's system, ALL the ship vias on the distributor's system are included in the drop down.
- To update a ship via code, enter a "U" and press **Enter**.

```

6/05/15          DISTRIBUTOR SHIPVIA XREF          CP30036MA
14:59:02          For: File Maintenance          XB
Change
Distributor: ADC400      Apollo Distributing Co Inc
Distributor Ship Via.: WC

Ship Via Text.....: WILL CALL

Active Flag.....: Y (Y/N)
Delete Flag.....:  (D)

F6=Return  F7=Exit
    
```

- Use the field **Ship Via Text** to enter a meaningful title for your CSRs.

APM 38 - Ship Via Billing Account Maintenance

This table, accessed via option **38 - Ship Via Billing Account Maintenance** on the Armstrong CSR Portal Maintenance menu, allows you to create Ship Via accounts. These accounts are then accessed by the Armstrong CSR Sales Portal in a new drop down menu.

- Access the Armstrong CSR Portal Maintenance (menu APM) and select option **38 - Ship Via Billing Account Maintenance**.

The existing Ship Via Accounts appear.

```

1/13/16          Ship Via Billing Accounts          CP30038R
15:20:53          For: File Maintenance          QPADEV000T

Opt Ship Via Carrier      Billing Account#      Active - Y/N
-----
  FED EX                  1224255345          Y
  UPS                     1234567890          Y
  YELLOW                  9876543210          Y

Bottom

Options ==> C=Copy  D=Delete  I=Inquiry  U=Update
F1=Add  F7=Exit
    
```

2. Press **F1** to add a new entry.

```
1/13/16          Ship Via Billing Accounts          CP30038R
15:20:53        For: File Maintenance            QPADEV000T

Create New Ship Via Carrier Record

-----

Ship Via Carrier: OLD DOMINION

-----

F6=Return  F7=Exit

Options ==> C=Copy  D=Delete  I=Inquiry  U=Update
F1=Add  F7=Exit
```

3. After entering the name, which is what displays on the CSR Portal, press enter to get to the second screen of settings.

```
1/14/16          Ship Via Billing Accounts          CP30038MA
10:02:41        For: File Maintenance            GR
Change

Ship Via Carrier ....: OLD DOMINION

Billing Account# ....: 9876543345

Active Flag .....: Y (Y/N)
Delete Flag.....:   (D)
```

4. The **Billing Account#** is usually supplied by the carrier and is the value that is sent to the Armstrong SAP system.

- Back on the web based Armstrong CSR portal, a drop down menu has been added to the **Ship Via Billing Account** field. This is where the entries established in the Ship Via Billing Account Maintenance table are displayed.

The screenshot displays the Armstrong CSR portal interface for placing an order. The top navigation bar includes the Armstrong logo, user name 'DEREK', and links for 'About' and 'Logout'. The main header shows the company name 'FCIHR3X Loker Enterprises, Inc' and navigation tabs for 'Place Order', 'Order Status', 'Inventory Inquiry', and 'Shipping Dates'. The current page is 'Order Review' for Reference # 2036896.

The 'Order Details' section includes fields for Armstrong Account#, Name, Distributor, Reference#, Customer PO#, Job Quote Number/Pricelist, Order Reason Code (507 - CRA/FNA Special Order), Order Date (01/14/16), SAP Order Handling Code, SAP Closure Rule (5 - Ship Complete), and Order Created By (DEREK).

The 'Shipping Details' section includes fields for Armstrong Account#, Name, Address, City, State or Province, Postal Code, Country, Ship Via (OUR TRUCK), Ship Date (01/15/16), Ship Via Billing Account (FED EX), Servicing Warehouse (FED EX), Will Call Preference (OLD DOMINION), and Will Call Warehouse (UPS). A dropdown menu for 'Ship Via Billing Account' is open, showing options: FED EX, OLD DOMINION, UPS, and YELLOW.

Below the shipping details is a 'Message Lines and Comments' section with 'Order Management' and 'Storybook' tabs. At the bottom, there are buttons for 'Submit', 'Hold Inventory Only', 'Send To SAP and Cancel Temp Order', and 'Cancel', along with checkboxes for 'Send Order to Unprocessed File' and 'SAP On-Block'.

Keep in mind that the name displayed in the drop down menu is strictly informational. The system sends the Billing Account# associated with the name in Ship Via Billing Account table to the Armstrong SAP system.

Note: Prior to the introduction of this table in 2016, the Ship Via Billing Account field was a free form field where a user had to type in an entry. If the Ship Via Billing Account table does not have any entries, the field is still a free form field with no drop down menu.

System Wide Setting - Options for Sales Portal Price Request

1. Access the System Wide settings (SET 4) and open the setting Options for Sales Portal Price Request.

CHANGE	System Wide Settings Maintenance	SYS129FM
Options for Price Request		
Minimum GP% for override price request.....:		_____
Maximum number of days for the expiration date for promo....:		_____
Price request promo program# edit mask.....:	P	_____
Price request default promo sub-type.....:		_____ (?)
Price request default promo class.....:		_____ (?)

- **Minimum GP% for override price request** - Enter the minimum amount, based on GP%, for a pricing override to be accepted.
- **Maximum number of days for the expiration date for promo** - Enter the maximum number of days from the current date that the expiration date of the promo created may be in effect.
- **Price request promo program# edit mask** - This option allows you to add a mask to the program numbers created by this process. The remaining characters after the edit mask will be populated by a revolving number wheel.

This allows you to identify and analyze special pricing requests that originate from the Sales Portal.

The program number will increment if a duplicate program number is found for the same account and item or price class criteria when the promo is created.

- **Price request default promo sub-type** - Promo sub types allow you to further categorize the price request. The values for this field are maintained in the System Tables Maintenance (SET 029) in the table PROMOSUBTP.

For example, use this code to categorize promotions that include rebates from manufacturers:

- **“C”** for competitive pricing
- **“S”** for Special Temporary Pricing with Rebates
- Enter a **“T”** to identify the special pricing as being specific to the payment terms established in the Billto File for the customer.

- **Price request default promo class** - Use this setting to include or omit promotions when printing price lists. For example, you can have promo classes that determine whether or not a promo should be included on a price list.

The available options are:

- Blank / no class code - This setting ensures the promotion is included on price lists.
- Class 1 = Omit From Printed Price Lists

Note: The values for this field are maintained in the System Tables Maintenance (SET 029) in the table PROMOCCLASS.

“Armstrong 507 Report Process Overview” on page 6- 1

“Nightly Downloads and Updates” on page 6- 3

“Dashboard Reporting Process” on page 6- 8

“RDC Distributor Interface Task List” on page 6- 13

“Gentran Unacknowledged Transactions” on page 6- 14

Armstrong 507 Report Process Overview

The Inbound EDI 850 order creation process tracks all items sent by Armstrong into the ARMORDDTA file. The file contains information on “problem areas” that exist for each order line. These areas include back orders, pending orders (unprocessed), pricing, ship dates, bill-to and ship-to problems, and rejections. A process runs daily to generate a report of these problems and deliver the report to a physical Armstrong printer.

Scheduled Job

- There is a job set up on the Job Scheduler to run daily at 10:00am local distributor time.
- It runs the following command:
- `ARM507RPT BEGTIME(100001) ENDTIME(100001) DISTODS(Y)`
- The report is generated for the orders received in the past 24-hour time period.

ODS Distribution

If the command option is set to Yes, the report is distributed via ODS. Users receiving the distribution are defined in file OD0018F by Job Name.

The “US” distribution option sends the job spooled file over the network to a user on a remote system.

For this to work, the following set up conditions must be met.

- QSNADS must be active with a link to CRA400. QSNADS should be started in the QGPL/QSTRUP system startup program. It is not included in the program found in QSYS.
- The distribution queue must be in a ready status.

Miscellaneous Information

- Distribution queues are defined with the Configure Distribution Services (CFGDSTSRV) command.
- The following users must be defined as entries in the Distribution Directory.
- Specific users do not need to be defined in the Directory, but they do need to be valid users on the Target system.
- Once the report is sent across the network, it uses settings assigned to the user profile to print to a specific network printer.
- User profile is assigned to a default output queue.
- The output queue points to a specific network printer via TCP/IP.
- Once the report reaches the destination user, it should print on the printer automatically.

New Proposal

Add a new OUTQ to catch the second copy and print to a second printer, and attach this to the existing JEDIX user profile.

OR – Create new dummy users instead of real people to point the ODS reporting to. This requires all distributors be changed.

Nightly Downloads and Updates

Customer Data

Billto accounts are downloaded to Distributor's systems (FIL 1 and RDC 2)

The following table found in SET 5 lets the Distributor flag certain stores that they do not want to be overwritten. Neither the billto file or RDC 2 will be updated.

- From value = CRA# (which is the 1st 3 characters of the DBA)
- To value = customer name

```

INQUIRE                System Cross Reference Table File Maintenance
Table Name: CRABTOMIT          Desc: CRA BILLTO OMIT TABLE
Position To:                   Comm: TO AVOID OVERLAYING NON-RDC
"From" Description:           "To" Description: Allow Duplicate Values
CRA#                          CUSTOMER NAME      "From": N (Y/N)
                               "To": N
"From" Values:                "To" Values:
001                            MENARDS
030                            SHERWIN WILLIAMS
  
```

- Any billto in this file with a CRA number of 001 or 030 will not be updated

Customer Items

- FIL 38 Customer preference

Product Data

- FIL 2 and RDC 3 and packaging file

Item Download From Armstrong

Item master data is sent from Armstrong's SAP system (data warehouse in between) To CRA400 once daily for changed items.

Items with UOM of ROL are converted to SYD and then SYD to SY before they are updated on CRA400 FIL 2. The data that is in FIL 2 is sent to the distributor's system in a nightly extract.

The Master Data Download job, DATA_DIST, runs at 21:00 on the Cra400 system.

You can view the reports that are generated on the Distributor's system under QUSER.

Note: Run the command `WRKSPLF SELECT(SUPPORT *ALL *ALL NET_MGR_PD)`.

`WRKSPLF SELECT(SUPPORT *ALL *ALL NET_MGR_PD)`

Opt SP-ID Proc User Printer ID Sts

```
C70819    QUSER    RDC_IMF_UP
C93728    QUSER    RDC_I XR_UP    HLD
```

Updating Items on CRA400

1. Armstrong puts a flatfile in this directory on CRA400-/APPL/DATA/As2/Dancik/Flatfile/in/prod-data
2. We pick it up and create a backup of it and write it in a new member to CRAIX12SV in QS36F.
3. We remove it from /APPL/DATA/As2/Dancik/Flatfile/in/proddata so you expect this directory to be blank.

Here is an example of this file. See the 2nd item is W0822000. In this file that Armstrong sent to the distributor it says BDL which gets converted to BD per SET 5 table ARMUMI3.

```
File .....: CRAIX12SV      Library .....: QS36F
Member .....: M05181933    Record .....: 1
Control .....:              Column .....: 1
Find .....:
*...+...1...+...2...+...3...+...4...+...5...+...6...+...7...+...8
....
C50225810051  HARBOUR COLLECTION 12X12  CTNA 120216CTN 00001000001
C504W0822000  SOLID COLOR SEAM-WELD ROD  BDLC 120518BDL 00001000000
C504W0885000  SOLID COLOR SEAM-WELD ROD  SPLC 120518SPL 00001000000
```

Inventory Turns Data

The ITEMSTAT data for the Armstrong distributors is sent as part of night jobs. This job is called "performance measures". The data is sent to the ITEMSTAT file on Armstrong's system (CRA400).

This job sends data back to Armstrong that they use to perform various types of analysis on sales and inventory positions.

- The TURNS job runs nightly at the end of the Night Jobs process, in the standard EDI routine.
- Timing of this job would depend on when Night Jobs starts at each distributor and how long it runs.
- Inside the TURNS job, it determines if the process has been run by the End-Of-Month date.
- If the date exists in an audit file, then the job has already run and no further processing takes place.
- If it does not exist, it writes the date to the audit file and submits the TURNS extract job to batch.
- So, in essence, the numbers should be updated once monthly.
- The extract program drives off the SKU file (ITEMSTK).
- The item manufacturer must exist in the Performance Measure Mfgr (PERFMEAMFG) system xref table to be included.
- The item must also exist in the Item Master to be included.
- The SKU file warehouse must exist in the RDCWAREX cross-reference file for the item record to be included.

- The only other check for inclusion in the file is if Items sold is zero and items on hand is zero, then the item is not included.

To Provide Armstrong with necessary information for calculation of Reverse PO Qty's Inventory and PO information is sent per following guidelines

Inventory information:

- On Hand
- Remnant size
- Armstrong Product Class and Type
- ABC Code
- Inventory Code

Items with 0 on hand are omitted

Inventory is excluded from On Hand quantity that is sent based on the serial number status code as noted below.

- I=Being Inspected (excluded from CMI onhand calculations)
- L=Lost (excluded from CMI onhand calculations)
- #=In Suspense.
- ITEMSTAT for non-Dancik distributors

Order Information:

- Ship Date
- Qty Allocated
- Armstrong Product Class and Type

ITEMSTAT for Non-Dancik Distributors

Issue Description

(From Armstrong)

Here at Armstrong the interface servers that currently have a HP-UNIX operating systems are being migrated to Linux. We have been reviewing all UNIX scripts and processing to determine what changes need to be made as we migrate them to Linux.

We have come across a script called 'itemstat_852s.ksh'. This script runs daily at 15:05 and transfers post translated EDI 852 Product Activity data from non-Dancik Distributors (currently only distributors Goodfellow) to directory /nm/nondancik/itemstat. File name is GDF_itemstat.

We believe that Dancik implemented a FTP GET to move this file to the AS400 for further processing into a data repository that our business queries directly (I want to say via Microsoft Access).

Miscellaneous Information

Can you please investigate and verify from your side? And provide the FTP ID that you are using to do the GET? We'll need to coordinate with our Linux team to make sure that access is granted to that FTP ID during the migration.

This is the only odd ball we have identified, i.e., everything else currently being picked up by Dancik on the HP-UNIX interface server under the /nm directories is being moved to AS2 and IFS as part of the Inovis Elimination project (sister project to the Linux migration as it's an app that runs on HP-UNIX).

Findings

There is a job entry on the Advanced Job Scheduler - RTVITEMGDF (Retrieve Itemstat from Goodfellow (GDF)). It runs the following command.

```
CALL PGM(RD3002C) PARM('GDF' 'PRF' 'GDFEDI')
  1st parm = Location
  2nd parm = Type
  3rd parm = Member
```

Inside RD3002C, the program loops through JDELOCF - JDE Location Control File In/Out, which is a copy of the FTP Location File (FTPLOC). When there is a match on Location and Type, it processes the record.

```
WORK WITH DATA IN A FILE           Mode . . . . : CHANGE
Format . . . . : RFTPLOC           File . . . . : JDELOCF

FTPDIR: G                          FTPLOC: GDF
FTPTYP: PRF
FTPSDM: itemstat
FTPSFN: itemstat1
FTPTDN: QS36F
FTPTFN: ITEMSTATIS
FTPASV:
FTPRSV:                             COMPROF:
COMIOQ:                             COMAPP:
COMIMP:                             DDMLIB: QS36F
DDMFLE: TOSAL
```

Program FTPGETIP is called to the location IP address, which is found in the IPADDPWD file.

```
WORK WITH DATA IN A FILE           Mode . . . . : CHANGE
Format . . . . : RIPADD           File . . . . : IPADDPWD

LONAME: GDF
IPNAME: 10.37.87.20
IPADD: 10.37.87.20
CUSTID: GDF
USERID: netmi tem
PSWD: rmp22item
ACCOD: dn75JYRNYJR SRHoxNYJR
```

Once the IP information is retrieved, an FTP command is built to generate a list of directory entries. Then FTP is called interactively to get the list.

- nm/nondancik/itemstat/GDF_itemstat

Another command is built to get the file resident in the pickup directory and place in the IFS.

- FTP/GDF_itemstat

Then program ISCPRFCL is called to copy the IFS file to a DB2 file.

```
CPYFRMSTMF FROMSTMF('/FTP/GDF_itemstat') +
  TOMBR('/qsys.lib/q36f.lib/itemstisc.file/gdfedi.mbr') +
  MBROPT(*REPLACE) CVTDTA(*AUTO) +
  ENDLINFMT(*ALL) TABEXPN(*NO)
```

Then to the final file member before processing.

```
CPYF FROMFILE(ITEMSTISC) TOFILE(QS36F/ITEMSTAT) +
  FROMMBR(PRF) TOMBR(GDFEDI) +
  MBROPT(*REPLACE) CRTFILE(*YES) +
  FMTOPT(*CVTSRC)
```

Program CRACSTATCL is called to update the replenishment data on CRA400.

- CALLPGM(CRACSTATCL) PARM('GDFEDI' ' ' ' ')

End-process-description

See below for detail on a current issue.

Note: There does seem to be a problem with this process as the job should run every day, but has not run successfully since 5/18/12. Job is complete, but the scheduler seems to think it is still running.

```

                                Display Job                                CRA400
                                5/30/12 13:19:31
Job name . . . . . : RTVITENGDF
Group name . . . . . : *NONE
Group sequence . . . . . : 0

Last run:
Job . . . . . : RTVITENGDF
User . . . . . : SUPPORT
Number . . . . . : 517900
Date . . . . . : 5/18/12
Start time . . . . . : 7:01:53
End time . . . . . : 0:00
Elapsed . . . . . : 0:03
Completion . . . . . : *PROCESS
Command sequence . . . . . : 10
Command . . . . . : CALL PGM(RD3002C) PARM('GDF' 'PRF' 'GDFEDI')
Step . . . . . : *NONE
Percent complete . . . . . : 88566.66 <<-- HERE
```

I took option 6 to reset the job. It is now in a ready status for next day's submission.

Dashboard Reporting Process

This project will monitor real-time transactions to trap specific use cases/conditions where notification of changes to a customer in timely manner is paramount. A few high-priority use cases will be emailed to Armstrong at the time of change, while all daily changes will be compiled into a .CSV file and emailed once nightly.

Business Requirements

Business requirements logged are as follows.

1. Track a change in Order Header delivery date.
 - Real-time email notification is required.
 - Uses value set in Xref table.
2. Track a change when a backorder is created for a dropped item.
3. Track a change when a ship date becomes a past date.
4. Track a change when an ATP date exceeds threshold.
 - Uses values set in Xref table.
5. Track a change when a Will Call Order ship date does not match date sent in EDI.
 - Real-time email notification is required.
 - **This condition will be backlogged at present at revisited during CSR Portal.
6. Track a change when a backorder is filled but header ship date remains in the past.
 - Business requirements 1, 4, & 6 are tracked real-time through Dancik trigger processing.
 - Business requirement 1 is tracked on Insert and Update (Order created and order changed).
 - Business requirements 4 & 6 are tracked on Update only (Order changed).
 - Business requirements 2 & 3 are tracked only during the daily file extract.
 - Business requirement 5, when implemented, will be tracked in real-time EDI transactions, processed as received.
 - Business requirement “A” tracks and reports EDI order lines that have a backordered item. It adds the following information to the .CSV file:
 - ASA or Direct Retail order
 - Backordered Item Number
 - Backorder Quantity
 - Unit of Measure
 - Wood or non wood item

Daily File Extract

A CSV file will be created daily and emailed to 'DirectSalesOrder@Armstrong.com'. This will happen at 6:00am local time on all distributor systems.

	A	B	C	D	E	F	G
1	Distributor ID	Distributor Name	SAP Order#	Distributor Order#	Order Create	Customer Name	Retailer PO#
2	43	Ohio Valley - CINCIN	DANCIK	385624	101613	CWC OF OHIO, INC. (ARM/AWP)	DASH002
3	45	Ohio Valley - PITTSB	WCTEST	385625	102413	PROSOURCE MONROEVILLE(ARM/AWP)	DASH003
4	47	Ohio Valley - LOUISV	1006879702	385626	102513	SAM KINNAIRD'S FLOORING AM/AP	TESTDASH
5	43	Ohio Valley - CINCIN	1006879697	385627	102813	BOCKRATH CARPET ONE (ARM/AWP)	78787878
6	43	Ohio Valley - CINCIN	1006879697	385627	102813	BOCKRATH CARPET ONE (ARM/AWP)	78787878
7	43	Ohio Valley - CINCIN	1006879697	385627	102813	BOCKRATH CARPET ONE (ARM/AWP)	78787878
8	43	Ohio Valley - CINCIN	1006879559	385628	102813	CWC OF OHIO, INC. (ARM/AWP)	DASHTEST1
9	47	Ohio Valley - LOUISV	1006879561	385629	102813	SAM KINNAIRD'S FLOORING AM/AP	DASHTEST1
10	43	Ohio Valley - CINCIN	1006879698	385634	102813	BOCKRATH CARPET ONE (ARM/AWP)	89898989
11	43	Ohio Valley - CINCIN	1006879698	385634	102813	BOCKRATH CARPET ONE (ARM/AWP)	89898989
12	43	Ohio Valley - CINCIN	1006879715	385635	102913	BOCKRATH CARPET ONE (ARM/AWP)	3232323232
13	47	Ohio Valley - LOUISV	1000019044	385636	110413	SAM KINNAIRD'S FLOORING AM/AP	KK1104002
14	47	Ohio Valley - LOUISV	1006879570	385637	110613	SAM KINNAIRD'S FLOORING AM/AP	TEST5DASH
15	47	Ohio Valley - LOUISV	1006879569	385638	110613	SAM KINNAIRD'S FLOORING AM/AP	DASHTEST2
16	47	Ohio Valley - LOUISV	1006879765	385651	111413	SAM KINNAIRD'S FLOORING AM/AP	KKDPITEST1
17	47	Ohio Valley - LOUISV	1000019102	385653	111413	SAM KINNAIRD'S FLOORING AM/AP	ORDFWD1
18	47	Ohio Valley - LOUISV	1000019104	385654	111413	SAM KINNAIRD'S FLOORING AM/AP	ORDFWD2
19	43	Ohio Valley - CINCIN	1006879766	385658	111813	BOCKRATH CARPET ONE (ARM/AWP)	4TEST
20	43	Ohio Valley - CINCIN	1006879766	385658	111813	BOCKRATH CARPET ONE (ARM/AWP)	4TEST

Setup

System X-Ref Tables

ARMMISCSET System X-ref Table

INQUIRE		System Cross Reference Table File Maintenance	
Table Name:	ARMMISCSET	Desc:	ARMSTRONG MISC SETTINGS
Position To:	_____	Comm:	- USE FOR GLOBAL FLAGS/OPTS
"From" Description:	FLAG/OPT NAME	"To" Description:	YES/NO/SETTING
			Allow Duplicate Values
			"From": N (Y/N)
			"To": Y
"From" Values:		"To" Values:	
DASHATPMAXDAYS			0005
DASHDLVCHGDAYS			0001
DASHEXECUTE	YES		
DASHSWEEP_DAYS			0030

Contains the following miscellaneous settings related to dashboard processing.

- DASHATPMAXDAYS - Value in Days allowed for a line item ship date change from the order date.
- DASHDLVCHGDAYS - Value in Days allowed for a hear ship date change.
- DASHEXECUTE - Main switch to turn functionality on/off.
- DASHSWEEP_DAYS - Value in Days to search for records meeting conditions 2 & 3.

PENDDLVDTE - System X-ref table

INQUIRE		System Cross Reference Table File Maintenance	
Table Name:	PENDDLVDTE	Desc:	Pending Delivery Date file
Position To:		Comm:	
"From" Description:	Delivery Date	"To" Description:	EXISTS
		Allow Duplicate Values	
		"From":	N (Y/N)
		"To":	Y
"From" Values:	022222	"To" Values:	YES

Contains settings related to values considered to be a Pending Delivery Date, such as 02/22/22.

User-Defined Trigger Programs

Menu option SYS 820 should be used to set up programs that are called during file trigger processing. Two entries are needed here and will be inserted during the program distribution process.

11/22/13		User-Defined Trigger Program Maintenance	
12:31:41	Work with Trigger Event Program		QPADEV0005
File: OPENPO			
I N S E R T		U P D A T E	
Program	Library	Program	Library
TR8002R	*LIBL	TR8002R	*LIBL
_____	_____	_____	_____
D E L E T E			
Program	Library		
_____	_____		

Event Triggers

The emailing of specific conditions is handled through Dancik's Event Trigger processing. These events are set up via program distribution process and viewable in menu option TRA 15.

11/22/13		Output Distribution - Event Trigger Maintenance	
12:35:44	Dancik System (General)		OD3025R
QPADEV0005			
Opt Events			
-	ARM_DLVDAT	- Change of Delivery Date	
-	ARM_EMPTY	- No CSV file to send	
-	ARM_SENT	- CSV File was sent	
-	ARM_WILCAL	- Change of Delivery Date on Will-Call order	

- ARM_DLVDAT - Change of Delivery Date notification for Condition 1.
- ARM_EMPTY - No CSV file to send. Notification that no data was generated in the daily file extract.
- ARM_SENT - CSV File was sent. Notification that daily extract file was sent successfully.
- ARM_WILCAL - Change of Delivery Date on Will-Call order notification for Condition 5.

Data Areas

Two data areas are used to set the CSV path and file name.

ARMCSVNAME

Display Data Area		System:	CRATEST3
Data area	:	ARMCSVNAME	
Library	:	QS36F	
Type	:	*CHAR	
Length	:	100	
Text	:	Dashboard Extract - File Name	
Value			
Offset	*	1	2
0	'	ARMDASHB.CSV	'
50	'		'

ARMCSVPATH

Display Data Area		System:	CRATEST3
Data area	:	ARMCSVPATH	
Library	:	QS36F	
Type	:	*CHAR	
Length	:	1000	
Text	:	Dashboard Extract - IFS Location	
Value			
Offset	*	1	2
0	'	/HOME/DANCIK/REPORTS/DASHBOARD/	'
50	'		'

These data areas are set up via program distribution process.

Scheduled Jobs

Two scheduled jobs will need to be set up manually to maintain email efficiency and run the extract.

- CYCLEQMSF - This will ensure the QMSF email jobs are running at maximum efficiency (6:00am daily).
- ARMDASHB_X - This is the daily file extract job (6:01am daily).

Dashboard Log File

ARMDASHB is the log file used to hold the data from trigger processing and daily file extract.

Display Record Format					
FILE . . . :	ARMDASHB	Record Format . . :	ARMDASHBR	Record Length . . :	285
Library . . :	QS36F	File Type . . . :	PF	Number of Fields . . :	23
Text . . . :	Armstrong Reporting Dashboard Log File				
Field	Type	Size	Positions	Key	Text
RMDISTID	Char	3	1 3		Distributor ID (RDCWAREX)
RMDISTNM	Char	50	4 53		Distributor Name
RMTERX	Char	10	54 63		SAP Order#
RMPOREF#	Zoned	6,0	64 69		Distributor Order#
RMORDT	Zoned	6,0	70 75		Order Create sent from
SAP					
RMBNAME	Char	30	76 105		Customer Name
RMH@CUPO	Char	12	106 117		Retailer PO#
RMBCITY	Char	30	118 147		Customer City
RMBSTATE	Char	2	148 149		Customer State
RMHCITY	Char	30	150 179		ShipTo City
RMHSTATE	Char	2	180 181		ShipTo State
RMPOLINE	Zoned	4,0	182 185		Order Line#
RMITEM#	Char	20	186 205		Order Line Item
RMD@QTYO	Zoned	7,2	206 212		Order line Quantity
RMD@STS	Char	1	213 213		Order Line Status
RMPREVDT	Zoned	6,0	214 219		Previous Date Request

All conditions requiring real-time email will write records to this file and set the last field, RMDONE, to 'P'. All other records should have the value RMDONE = *Blank. During the daily file extract, only records that have not been sent (RMDONE = *Blank or 'P') will be extracted. Once complete, the field will be updated to 'D'. This ensures only records added to the file within the last 24 hours will be sent.

RDC Distributor Interface Task List

#	Task	Process (from RDC)	Description	Task Frequency
1	! Monitor and address issues! Monitor Armstrong EDI customer order download report.	Order to cash INBOUND	Report name: <i>Inbound EDI Orders Edit for - Inbounds POs ARMS</i> Shows customer orders downloaded from Armstrong that could not be processed to become an open order. Orders with errors either kick out completely or go to the unprocessed order file.	Continuously (at least every 30 minutes) from start of business until 10am cutoff. Every 2 hours from 10am to business close.
2	Monitor Armstrong orders in the unprocessed order file.	Order to cash INBOUND	Orders electronically downloaded from Armstrong that could not be completely processed end up here for resolution.	Continuously (at least every 30 minutes) from start of business until 10am cutoff. Every 2 hours from 10am to business close.
3	Monitor Close-A-Truck (CAT) Order Shipping Transaction (OST) report. Run OST edit report.	Order to cash OUTBND	Report name: <i>Outbound Order Shipping Transaction to Armstrong</i> > Reports from each CAT run show errors preventing generation of an OST. > The edit report shows all outstanding orders that are in a status where an OST could be generated but have not been due to error.	Check for OST generation errors as part of running CAT. Run edit report at the start of each business day. <i>Timely generation of OSTs is critical to timely ASN's to Home Depot & your payment.</i>
4	Monitor OST acknowledgments.	Order to cash OUTBND	Verify via Gentran that Armstrong has acknowledged receipt of your OSTs. Unacknowledged OST transmissions were not received by Armstrong and must be resent . > See Appendix – Gentran Unacknowledged Transactions RDC menu option 22 will also take you into the Gentran acknowledgment report for the OSTs.	Check in Gentran at the start of each business day. <i>Remember: if Armstrong does not receive your OST you do not get paid, nor can the Armstrong customer be invoiced.</i>
5	Monitor un-exported replenishment POs and replenishment PO edit report.	Replenishment OUTBND	Report name: <i>Identify Orders that have not been Exported</i> Shows replenishment POs created but never exported to Armstrong. RDC menu option: 25 Report name: <i>Outbound Batch Purchase Orders</i> Shows replenishment POs not exported due to errors	At least once daily, or more often when necessary.
6	Monitor replenishment PO acknowledgments.	Replenishment OUTBND	Verify via Gentran that Armstrong has acknowledged receipt of your replenishment POs. Unacknowledged replenishment POs transmissions were not received by Armstrong and must be resent . > See Appendix – Gentran Unacknowledged Transactions	Check in Gentran at the start of each business day, or more often when necessary.
7	APO/CMI: Monitor unprocessed file.	APO/CMI non-auto export INBOUND	If a distributor does not auto-export their APO/CMI replenishment POs they land in the unprocessed file and must be manually processed into an actual order.	Daily starting at 10am eastern. Export orders back to Armstrong within 2-3 hours of receipt.
8	APO / CMI: Monitor acknowledgments for order response/changes	APO/CMI OUTBND	Verify via Gentran that Armstrong has acknowledged receipt of your CMI PO response or changes. Unacknowledged transmissions were not received by Armstrong and must be resent . > See Appendix – Gentran Unacknowledged Transactions	Check in Gentran at the start of each business day, or more often when necessary.
9	Monitor Wholesale-to-Retail (WTR) data acknowledgments.	WTR sales OUTBND	Verify via Gentran that Armstrong has acknowledged receipt of your WTR data. Unacknowledged WTR transmissions were not received by Armstrong and must be resent . > See Appendix – Gentran Unacknowledged Transactions	Check in Gentran at the start of each business day.
10	Monitor electronic credit acknowledgments	Credit OUTBND	Verify via Gentran that Armstrong has acknowledged receipt of your credit data. Unacknowledged WTR transmissions were not received by Armstrong and must be resent . > See Appendix – Gentran Unacknowledged Transactions	Check in Gentran at the start of each business day.
11	Run end of month edit report.	Order to cash INTERNAL	Report name: <i>Incomplete RDC/SS Orders for Closing</i> RDC menu option: 21 A distributor cannot close the month if orders shipped within that month have not generated an OST. This report shows orders that have not generated OSTs (and which have not been invoiced) so issues can be resolved prior to end of month close.	Weekly. As necessary at month end.
12	Monitor master data download reports. Complete customer and item data set up.	Order to Cash INBOUND	Report names: 1. <i>RDC Bill To File Maintenance Transaction From CRA Transaction Exception Listing</i> 2. <i>RDC Item File Maintenance Transactions from ARM Transaction Exception Listing</i>	Once daily in the morning for report. Set up complete same day. Insure that downloaded "skeleton" customers and items are filled in with all the other necessary data.

Additional:

- If you resend an unacknowledged transaction and it remains unacknowledged please contact Dancik International Customer Support to report the issue immediately.

Miscellaneous Information

- Armstrong needs an IT contact at each distributor site every business day. If your main IT contact will be on vacation we must be directed to an alternative resource (by voicemail header, e-mail, etc.) in that person's absence.
- If you do not subscribe to Dancik night support you must perform the necessary monitoring each night to insure that your system is available and operational for normal process at 7am eastern on every business day.

Gentran Unacknowledged Transactions

Use the following report to identify when electronic transmissions you sent to Armstrong have not been acknowledged. This means that Armstrong did not receive your transmission. As the sending partner you must address the issue and resend the transactions as soon as the issue is identified.

- From any command line, type "GO GENMAIN" then press **ENTER**.
- Select option 8 - Audit Menu.
- Select option 1 - Audit Search Utility.
- Type the following search criteria, changing the dates as needed, then press ENTER to submit.

```

Select Audit Records (SLTAUD)

Type choices, press Enter.

Direction . . . . . > *OUT          *IN, *OUT
Audit Level . . . . . > *TRAN       *TRAN, *GROUP, *INT
Partner ID beginning with . . . > ARM
Doc Info (eg PO#) containing . . > *ALL
Transaction ID beginning with . . > 8          *ALL, value
Group ID beginning with . . . . . > *ALL       *ALL, value
Acknowledgment status . . . . . > *UNACK     *ALL, *UNACK, *ACK, *ERROR...
> *ERROR
+ for more values > *REJ
Older than or equal to . . . . . > *ALL       *ALL, age in days
From Date . . . . . > 101907          *BEGIN, *CURRENT, Date
To Date . . . . . > 101907          *END, *CURRENT, Date
Output . . . . . > *PRINT             *, *OUTFILE, *PRINT

Additional Parameters

Run Interactively? . . . . . *YES      *YES, *NO
Comm Profile ID beginning with *ALL      *ALL, value
Comm batch status . . . . . *ALL      *ALL, Q, H, IP, QE, SA, SN...
Comm Queue records containing . *ALL
Schedule Job? . . . . . *NO          *NO, *YES

Bottom
F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys
  
```

Direction:	*In = Inbound from Armstrong *Out = Outbound to Armstrong.
Partner ID beginning with:	ARM = All Armstrong trading Partner Ids.
Transaction ID beginning with:	8 = Will filter out 997 functional acknowledgments.
Acknowledgment status:	*UNACK = Unacknowledged *ERROR = Acknowledged with errors *REJ = Rejected
From Date - To Date:	Enter any valid date range.
Output:	*Print = This gives the cleanest, easiest-to-understand view of unacknowledged transactions.

- The spooled file will show all outbound Armstrong transactions with an unacknowledged (*blank), acknowledged with errors (E), or rejected (R) status. The status code can be found in the column marked "Ack Sts".

- Doc Info could contain reference information such as Purchase Order Number.

Doc Info could include Purchase Order number or other information to help investigate which transactions to resend.

* Note - may not appear on all transactions.

Status:
*blanks = Unacknowledged
E = Acknowledged w/Errors
R = Rejected

Partner ID	Qual	Create Date	ID	Ack Sts	Envelope Reference ID	Profile Sts	Prf	Seq	Doc Info
ARMSTRONG EDI	AUTO	10/23/2007	860		000006942	ARMRPO	SN	14810	914040
ARMSTRONG EDI	AUTO	10/23/2007	860		000006941	ARMRPO	SN	14809	914039
ARMSTRONG EDI	AUTO	10/23/2007	860		000006940	ARMRPO	SN	14808	914038
ARMSTRONG EDI	AUTO	10/23/2007	860		000006939	ARMRPO	SN	14807	914037
ARMSTRONG EDI	AUTO	10/23/2007	860		000006937	ARMRPO	SN	14805	914035
ARMSTRONG EDI	AUTO	10/23/2007	860		000006938	ARMRPO	SN	14806	914036
ARMSTRONG-AS2		10/23/2007	855		000039844	ARMPO	SN	30154	41533501
ARMSTRONG-AS2		10/23/2007	855		000039845	ARMPO	SN	30154	09563751
ARMSTRONG-AS2		10/18/2007	857		000044434	ARMPO	SN	29517	
ARMSTRONG-AS2		10/18/2007	857		000044435	ARMPO	SN	29517	
ARMSTRONG-AS2		10/18/2007	857		000044432	ARMPO	SN	29516	
ARMSTRONG-AS2		10/18/2007	857		000044433	ARMPO	SN	29516	
ARMSTRONG-AS2		10/18/2007	857		000044431	ARMPO	SN	29515	
ARMSTRONG-AS2		10/09/2007	855		000035549	ARMPO	SN	27855	29537977
ARMSTRONG-AS2		09/19/2007	810	R	000000001	ARMPO	SN	24853	851298
ARMSTRONG-AS2		09/19/2007	810	R	000000004	ARMPO	SN	24853	851314
ARMSTRONG-AS2		09/19/2007	810	R	000000005	ARMPO	SN	24853	851321
ARMSTRONG-AS2		09/19/2007	810	R	000000010	ARMPO	SN	24853	851345
ARMSTRONG-AS2		09/17/2007	857		000035387	ARMPO	SN	24650	
ARMSTRONG-AS2		09/17/2007	857		000035386	ARMPO	SN	24649	
ARMSTRONG-AS2		09/17/2007	857		000035383	ARMPO	SN	24648	
ARMSTRONG-AS2		09/17/2007	857		000035384	ARMPO	SN	24648	
ARMSTRONG-AS2		09/17/2007	857		000035385	ARMPO	SN	24648	
ARMSTRONG-AS2		09/01/2007	810	R	000000021	ARMPO	SN	22393	837879
ARMSTRONG-AS2		09/01/2007	810	R	000000022	ARMPO	SN	22393	837882
ARMSTRONG-AS2		09/01/2007	810	R	000000024	ARMPO	SN	22393	837885
ARMSTRONG-AS2		09/01/2007	810	R	000000026	ARMPO	SN	22393	837887
ARMSTRONG-AS2		08/30/2007	810	R	000000001	ARMPO	SN	22016	835213
ARMSTRONG-AS2		08/30/2007	810	R	000000004	ARMPO	SN	22016	835225
ARMSTRONG-AS2		08/30/2007	810	R	000000005	ARMPO	SN	22016	835226
ARMSTRONG-AS2		08/30/2007	810	R	000000010	ARMPO	SN	22016	835241

TOTAL AUDIT RECORDS SELECTED: 31

