**DS0704**

**MFG and RMA Item Revision Levels**

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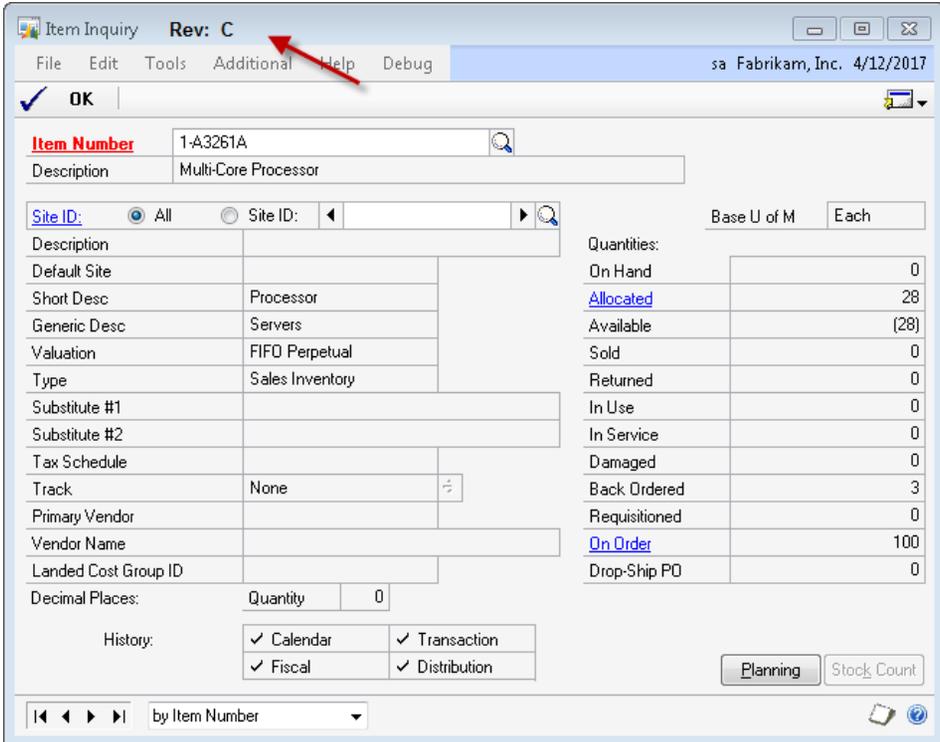# Problem Definition

| Problem Definition | CCDA |
|---|---|
| ACME Co. plans to purchase two WilloWare products: <br><br> • Purchase Order Revision Levels <br> • Sales Order Revision Levels <br><br> In addition to the functionality that these two products provide, ACME requires additional features: <br><br> 1. ACME would like the current Item Revision Level to be displayed on the Item Inquiry window. <br><br> 2. ACME requires the ability to track Item Revision Levels on Manufacturing Orders and Field Service RMA's.  They have viewed a demo of the WilloWare product "Purchase Order Revision Levels" and would like an enhancement to function similarly within these 2 modules. <br><br> <u>Manufacturing Orders</u> <br> The enhancement should track the Revision Level of the Item at the time it was manufactured, support tracking a history of revision level changes per MO and support manufacturing the same part at different Revision Levels. <br><br> The Revision Level should be printable on GP Manufacturing Order Reports. <br><br> <u>RMA's</u> <br> The enhancement should track the Revision Level of the Item at the time it was returned, support tracking a history of revision level changes per RMA Line and support returning the same part at different Revision Levels. <br><br> The Revision Level should be printable on GP RMA Reports. | |

# Solution Overview

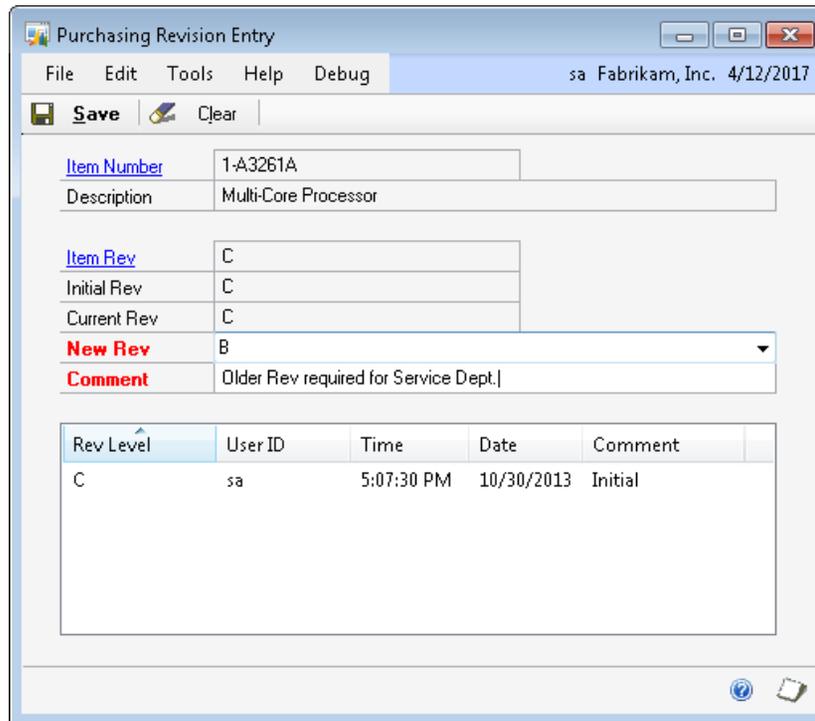| Solution Overview | CCDA |
|---|---|
| The solution requires the following:<br><br>1. Purchasing Purchase Order Revision Levels separately.<br>2. Purchasing Sales Order Revision Levels separately.<br>3. Purchasing the solution outlined in this design specification DS0704. | |

# Design Features

| Item Inquiry | CCDA |
|---|---|
| **Navigation: Inquiry→Inventory→Item Inquiry**<br><br>The Item Inquiry window will display the current Item Revision Level from the Item Engineering Data Card in the Title Bar of the window. This will appear similar to the example below highlighted by the red arrow.<br><br> | |

| Manufacturing Order Entry | CCDA |
|---|---|
| **Navigation:  Transactions→Manufacturing→Manufacturing Orders→Entry→Additional→MO Revision Entry**

The screen shot below is of the Purchasing Revision Entry window.  ACME would like an identical window to be accessible from the Manufacturing Order Entry window.  The MO Revision Entry window should allow entering "Revisions on the Fly."  The user should be alerted to the condition and then allowed to continue.

 | |

**Please Note:**

1. The selection of the Revision Level on the MO Entry window will have NO impact on the MO's BOM Revision or Pick List.

2. The Item Revision Level may be updated until the MO is at status CLOSED.

In addition to allowing the user to select the Revision Level, the selected Revision Level should also display in the Title Bar of the Manufacturing Order Entry window. (The user does not need to open the MO Revision Entry window to select the current Revision. The current Revision will default if no Revision is selected. This matches the functionality provided in the WilloWare product "Purchase Order Revision Levels.)
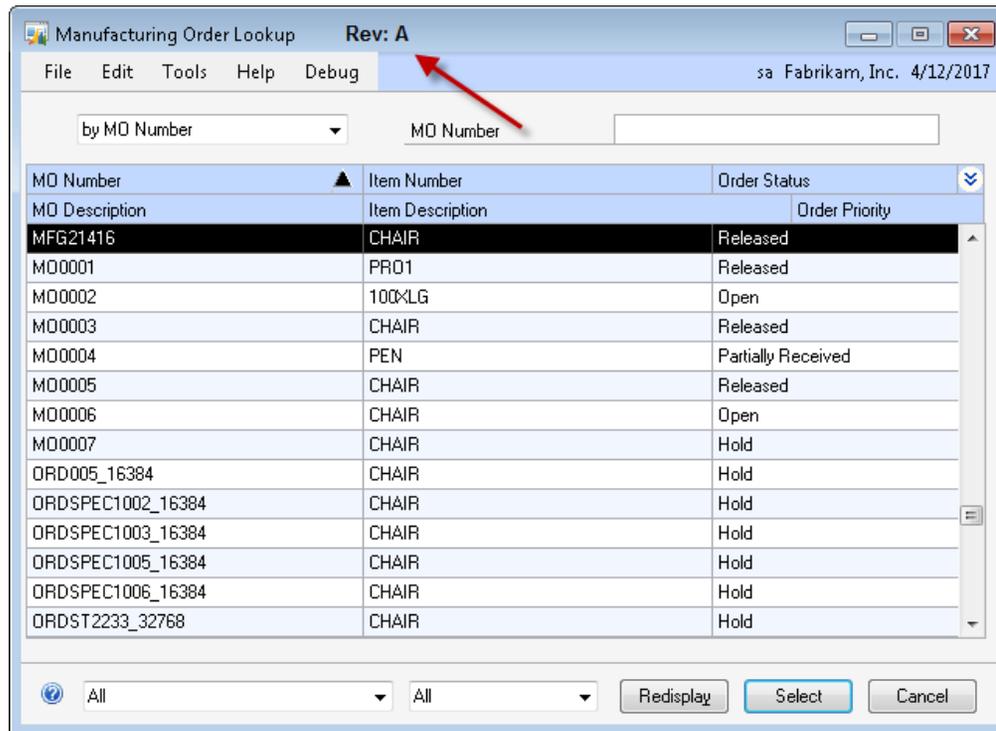
| *Manufacturing Order Activity* | CCDA |
|---|---|
| **Navigation:  Inquiry→Manufacturing→Manufacturing Orders→Entry→MO Activity**<br><br>The Manufacturing Order Activity window will display the Item Revision Level, which was selected during Manufacturing Order Entry, in the Title Bar of the window.  This will appear similar to the example below highlighted by the red arrow.<br><br> | |

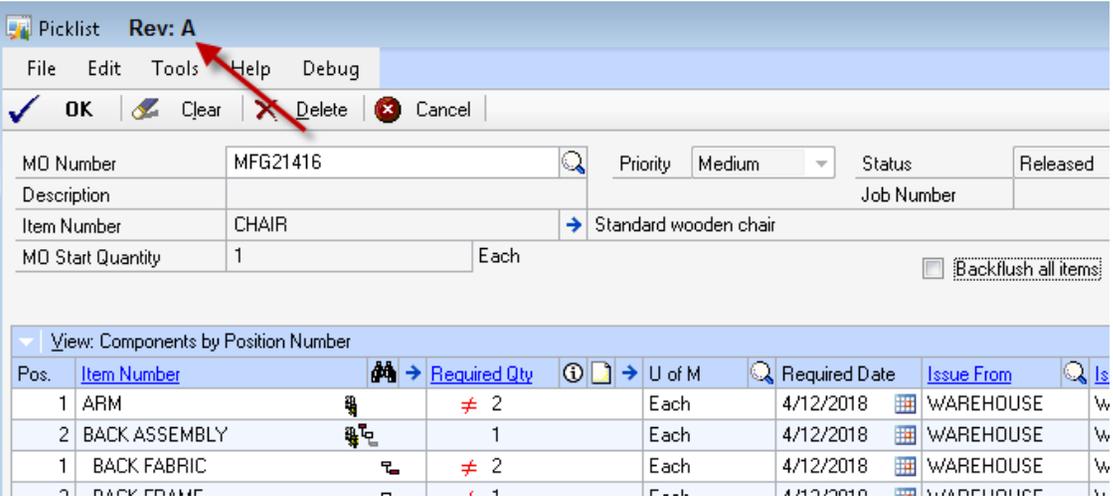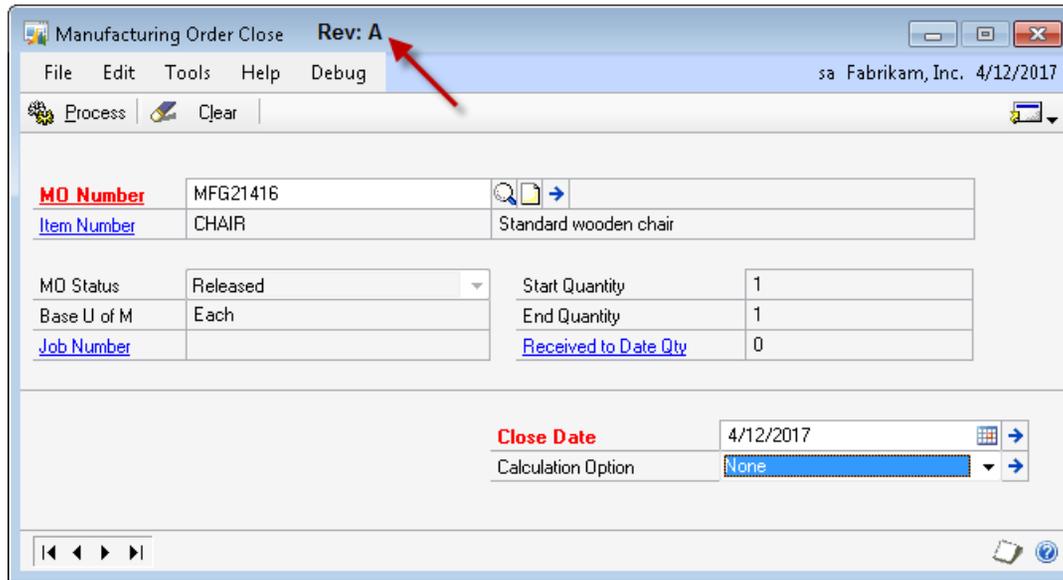| **Manufacturing Order Lookup** | **CCDA** |
|---|---|
| **Navigation: Any Manufacturing Order Lookup**<br><br>The Manufacturing Order Lookup window will display the Item Revision Level, which was selected during Manufacturing Order Entry, in the Title Bar of the window when a MO Number is selected from the scrolling window. This will appear similar to the example below highlighted by the red arrow.<br><br> | |

| Picklist | CCDA |
|---|---|
| **Navigation:  Transactions→Manufacturing→Manufacturing Orders→Picklist**<br><br>The Picklist window will display the Item Revision Level, which was selected during Manufacturing Order Entry, in the Title Bar of the window.  This will appear similar to the example below highlighted by the red arrow.<br><br> | |

| **Manufacturing Order Close** | **CCDA** |
|---|---|
| **Navigation:  Transactions→Manufacturing→Manufacturing Orders→MO Close**<br><br>The Manufacturing Order Close window will display the Item Revision Level, which was selected during Manufacturing Order Entry, in the Title Bar of the window.  This will appear similar to the example below highlighted by the red arrow.<br><br> | |

| RMA Entry/Update | CCDA |
|---|---|

**Navigation: Transactions→Field Service→Returns Management→RMA Entry/Update→Additional→RMA Revision Entry**

The screen shot below is of the Purchasing Revision Entry window.  ACME would like an identical window to be accessible from the RMA Entry/Update window when a RMA line item is selected.  The RMA Revision Entry window should allow entering "Revisions on the Fly."  The user should be alerted to the condition and then allowed to continue.

**Please Note:**

1. The Item Revision Level may be updated until the RMA is at status CLOSED.

In addition to allowing the user to select the Revision Level, the selected Revision Level should also display in the Title Bar of the RMA Entry/Update window. (The user does not need to open the RMA Revision Entry window to select the current Revision. The current Revision will default if no Revision is selected. This matches the functionality provided in the WilloWare product "Purchase Order Revision Levels.)

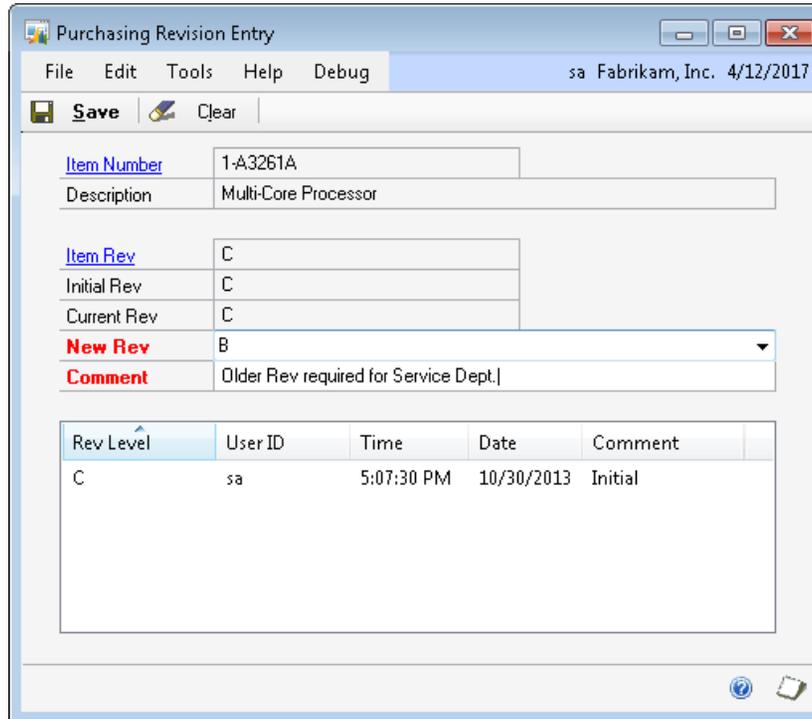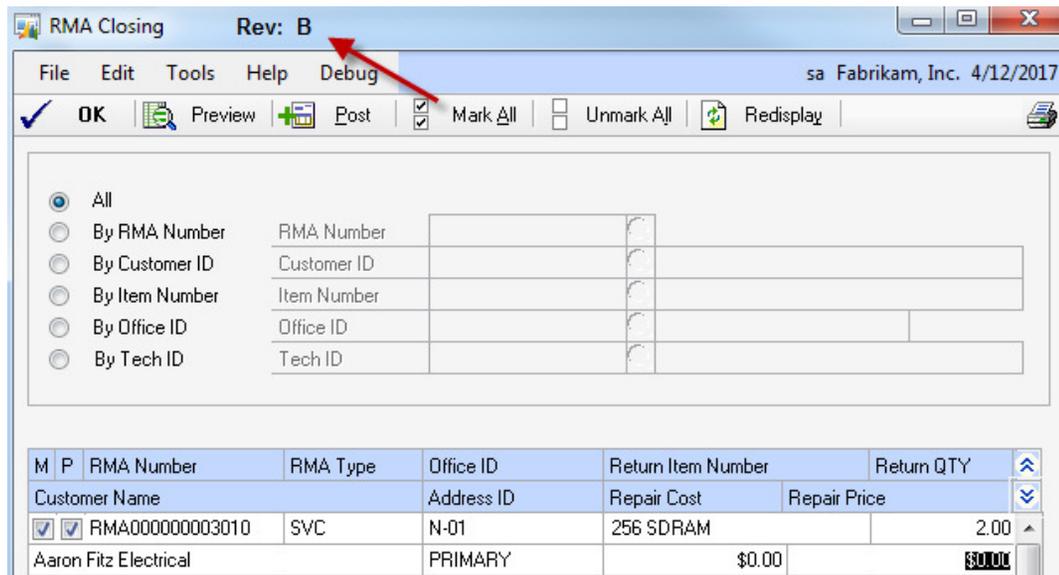| **RMA Closing** | CCDA |
|---|---|
| **Navigation:  Transactions→Field Service→Returns Management→RMA Entry/Update→Additional→RMA Revision Entry**<br><br>The RMA Closing window will display the Item Revision Level (of the RMA Line Item number selected in the scrolling window) in the Title Bar of the window.  This will appear similar to the example below highlighted by the red arrow.<br><br><br><br>**Please Note:** To select a line in the RMA Closing window, the user must either check the M or P checkbox or click into the Repair Cost or Repair Price field. | |

| Report Integrations | CCDA |
|---|---|
| Report Integrations<br><br>1. To support printing the Item Revision Level on the following Manufacturing Reports, an integration will be provided for a report writer function called RW_TableHeaderString():<br><br>    • Manufacturing Order Variance – Production<br>    • Working Routing<br>    • Picklist Summary Report<br><br>2. To support printing the Item Revision Level on the following RMA Reports, an integration will be provided for a report writer function called RW_TableLineString():<br><br>    • Returns Authorization Form<br>    • RMA Recv Report<br>    • RMA Invoice Preview Report<br><br>The documentation provided with the customization will provide step-by-step instructions on how to add a calculated field to existing GP reports which will display the fields.<br><br>Modifying Reports is NOT included in this estimate. | |

| Assumptions/Requirements | |
|---|---|
| • **The enhancement will be written for GP2013. Web Client functionality will not be utilized.** | |