NEWSUG Meeting Minutes
November 15, 2005, 5:00 p.m.
Fox Valley Technical College, Appleton, Wisconsin

While this report generally covers the meeting events, those events have been arranged into a logical sequence and refined with the purpose of making them helpful rather than precisely representing the demonstrations as they happened.

23 people attended this meeting.

Click on these links for easy navigation.
Weldment Cut List Properties Data
Dragging a View to Another Sheet
Linked Values and Equations
Configurations and Design Tables
Next meeting

Announcements – Bob Braun
SolidWorks World 2006 will be held in Las Vegas, Nevada, January 22 – 25, 2006.

The members unanimously voted to accept Carol Beard and Dean Sommerfeld as new NEWSUG Board Members.

More board members are desired. If you are interested please contact Bob Braun, Carol Beard, Dan Sheber, or Dean Sommerfeld.

Anyone who wants vendor e-mail should send an e-mail to newsug@newsug.org.

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SolidWorks Tips – Bob Braun

Weldment Cut List Properties Data

When working on weldments, add properties to each cut list item that includes the dimensions of the parts. With this technique, geometry changes will be reflected in the drawing cut list.

1. In the weldment part model, in the feature tree, right-click *Annotations*, and check *Show Feature Dimensions*. This lets you see the model dimensions.

2. In the feature tree, right click on the *cut list* and select *update*. This will make sure that all cut list items are current.

3. Right-click the folder of each item under *Cut List*, then select *Properties*.

4. In the new dialog box, under *Property Name*, use the drop-down to select *Material*. Let the next column stay at the default of *Text*. In *Value/Text Expression*, type in the

material name (like *HRS Plate*).

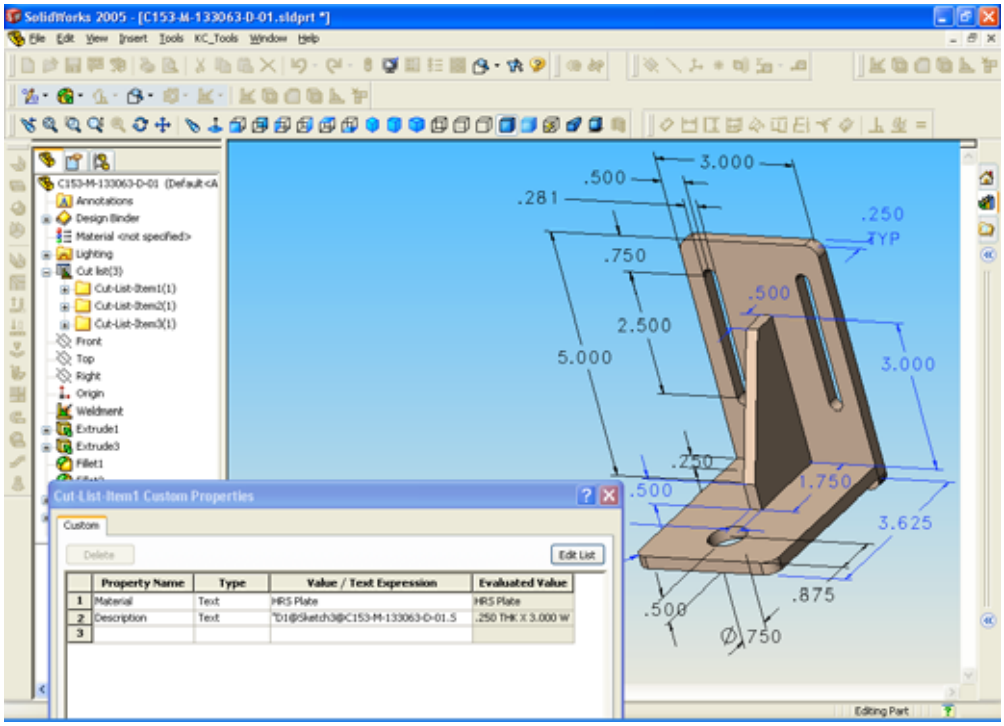
5. Enter or tab to finish this row and create another blank row.

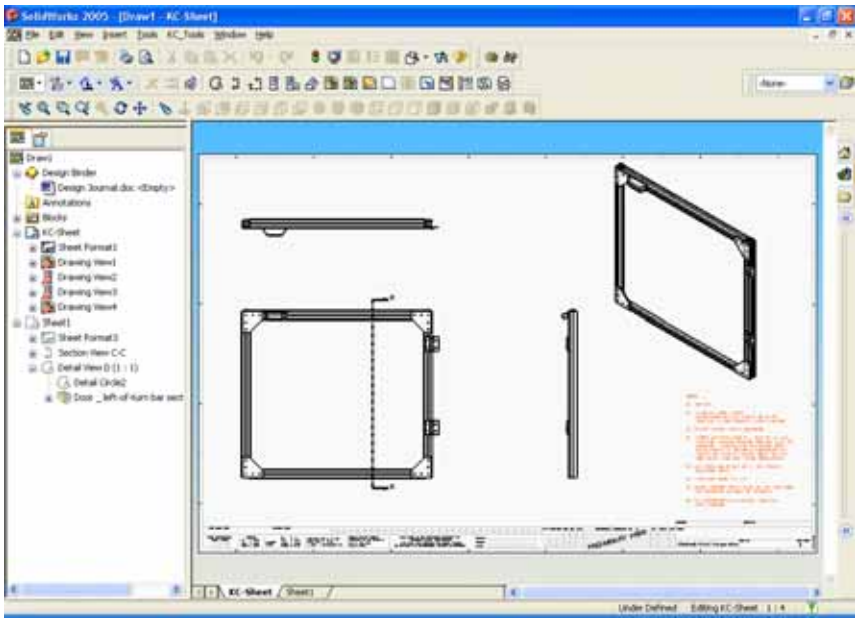
6. Select *Description*. Again, leave the *Type* column saying *Text*. With your cursor in the Value column, click on the dimension in the drawing that is this cut item thickness. Press *space,* the "X", *space,"THK", space,* then click on the cut list item width dimension. Enter *space*, "X", *space, "WD", space,* and then click on the dimension in the model that is the cut item length. Enter *space* and "LG". When you tab off this cell, the display text will show in the far right column. (In the example shown here, this creates ".25 THK X 3.000 WD X 3.625 LG" in the table. By selecting the actual dimensions instead of typing them in, they will update with any changes.)

7. Click *OK* to close this dialog box.

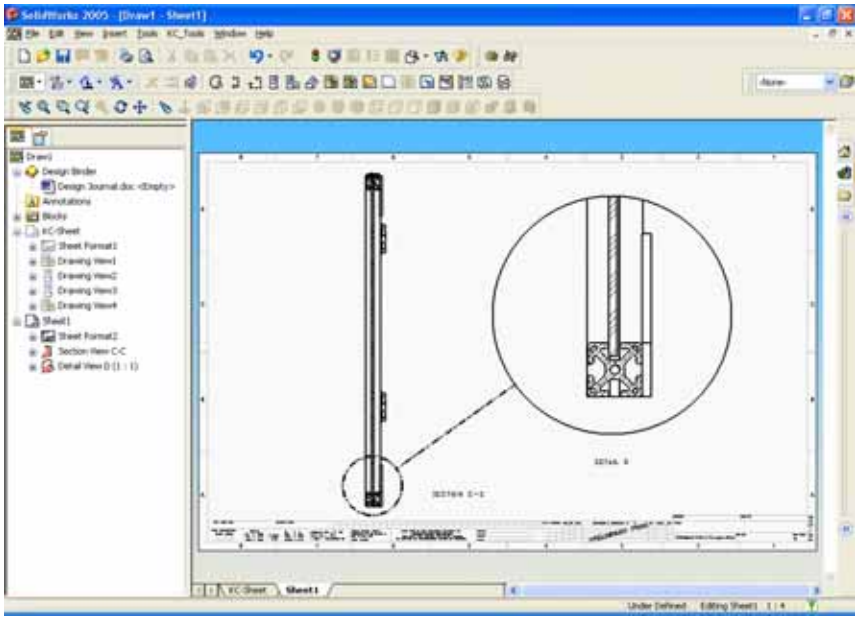
8. Repeat steps 3 through 7 for each cut list item.

When you create your drawing, depending on how your drawing template is set up, the description and materials will carry forward for each item. When the model changes, the drawing will update.





Now, in the new sheet, you can enlarge the section view if you want, and add a Detail View.



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Linked Values and Equations – Bob Braun

For Presentation, click here.

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Configurations and Design Tables – Rob Bartz

For Presentation, click here.

For more on Design Tables: http://www.solidworks.com/swexpress/jan/200201_techtip_01.html
More on Tables: http://www.solidworks.com/swexpress/nov03/200311_techtip_02.cfm

Next Meeting

The next meeting will be February 7, 2006 at FVTC in room F165A. The main presentation topic will be animation.