

Technique for Copying Detail Items

The Drawing Mode of Pro/ENGINEER has many different functions that will allow a user to copy detail items such as notes, draft entities, tables, and symbols. Certain detail items can be copied to a different location on the same drawing or can be copied from one drawing to another. One group of functionality is accessed by clicking **#Edit > #Transform**. The other functionality, allows the user to cut or copy items to a clipboard and then paste the items to a different location. This suggested technique will explain the functionality available to copy detail items.

Procedure

Copying Methods

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Copying and Translating

To copy and translate detail items such as notes, symbols, and draft entities from one location on a drawing to another, click **#Edit > #Transform > #Translate and Copy**.

Select the detail item and then **#Ok**. The 'GET VECTOR' menu will appear with the selections **#Horiz**, **#Vert**, **#Ang/Length**, and **#From-To**.

If **#Horiz** or **#Vert** is selected, enter in the offset value for the appropriate direction. When clicking **#Ang/Length**, enter in the angle to define the translation vector and then enter in the offset distance between the copied items. When clicking **#From-To**, select two points to define the translation vector and select the destination point. For all options, enter in the number of copies to complete the operation.

Copying and Rotating

To copy and rotate a detail item, click **#Edit > #Transform > #Rotate and Copy**. Select the detail item and then **#Ok**.

Select on the detail item to define the point of rotation, enter in the rotation angle in the counterclockwise direction, and enter in the number of copies.

Copying from One Drawing to Another

To copy items such as notes, symbols, draft entities, and tables from one drawing to another, select the items (From the selection filter a window provides a pop-up list of filter options, e.g. **Drawing Item, Table, Note**, etc) and then select **#Copy** from the **#Edit** pull-down menu. An internal clipboard has been created which allows for cut, copy, and paste to be performed on detail items in the 2D Applications. To cut a detail item and place it on the clipboard, select the detail item to cut and then select 'CTRL-X'. The detail item is deleted from the drawing and moved to the clipboard.

From the 'Open' dialog box select the name of the target drawing to copy items to. If the target drawing contains more than one sheet, use the commands in the **#View > #Go to Sheet** menu to switch to the correct sheet.

To **#Paste** the detail item, select 'CTRL-V'. The clipboard appears in a sub-window containing the last item either cut or copied. The detail items will appear in the same relative location as when they were cut or copied. To move the item onto the current drawing, select a point on the item to define the translation vector. Select the destination point on the current drawing to complete the operation.

Using Cut, Copy, and Paste

The functionality for **#Cut**, **#Copy**, and **#Paste** can be selected under the **#Edit** pull-down menu. An internal clipboard has been created which allows for cut, copy, and paste to be performed on detail

items in the 2D Applications. To cut a detail item and place it on the clipboard, select the detail item to cut, then select 'CTRL-X'. The detail item is deleted from the drawing and moved to the clipboard.

To copy a detail item, select the detail item to copy and select 'CTRL-C'. The detail item is then copied to the clipboard.

To **#Paste** the detail item, select 'CTRL-V'. The clipboard appears in a sub-window containing the last item either cut or copied. The detail items will appear in the same relative location as when they were cut or copied. To move the item onto the current drawing, select a point on the item to define the translation vector. Select the destination point on the current drawing to complete the operation.

Notes:

- Notes, balloons, and symbols with leaders will be copied with their leaders when using the **Cut**, **Copy**, and **Paste** methods.
- If items with leaders attached to draft entities are selected, the draft entities are copied to the target drawing when using the **Cut**, **Copy**, and **Paste** methods.
- Parameters in notes are copied as parameters and are evaluated on the target drawing. Three asterisks (***) are displayed if the parameter can not be evaluated.
- Tables with repeat regions are copied with the table.
- Items can not be copied between drawings with different drawing units.
- Views can not copied using any of the above methods