

ShipConstructor 2011 R1.1.1

TechNotes (fixed issues / new features)

Total: 5

Distributed Systems

Subtotal: 1

Issue ID: 19489

Title: Distributed Systems - Modeling - Opening a model drawing appears to change the length of a valid bent pipe or HVAC part without first warning the user

Description: Opening a model drawing appears to change the length of a valid bent pipe or HVAC part without first warning the user. For example consider the following situation:

1. Create a bent pipe or HVAC part with multiple bends;
2. Modify one or more of the straight segments of the bent pipe/HVAC part so that they are shorter than the minimum length of the stock, as defined in the pipe or HVAC stock catalogue, used to create the bent pipe/HVAC part;
3. Save and close the drawing;
4. Open the drawing and notice that each segment of the pipe/HVAC part, whose length was less than the minimum stock length defined in the catalogue, has been extended to the minimum stock length with the exception of the last segment of the part which is unaffected.

Alternatively (this case is mentioned for clarity, but is in fact not possible in ShipConstructor 2011 due to a modeling constraint which prevents the creation of a straight pipe/HVAC which is less than the minimum stock length):

1. Create a straight pipe or HVAC part in a version prior to ShipConstructor 2011R1 having a total length less than the minimum stock length;
2. Save and close the drawing;
3. Open the drawing after upgrading to an affected version and notice that the pipe/HVAC part has been modified so that the length is now equal to the minimum stock length.

In the case of affected part having anchors defined upon it, the anchors will move to accommodate the new segment lengths.

In the case of the affected part having a lock defined upon it, the model will appear to have had its segments extended to the minimum stock length, but the modifications shown in the model will NOT be written back to the database unless the user unlocks the part.

In the case of other parts being connected to the affected part, ShipConstructor will attempt to maintain the connections by moving any connected part. If the connected part cannot be moved, or there are anchors and/or locks defined on connected parts, the connections will break.

In all cases the changes displayed in the model drawing are NOT written to the database unless the user performs one of the following actions:

- Saves a drawing containing affected pipe or HVAC parts.
- Runs the "Update Model and System Drawings" command (which effectively opens and saves each distributed systems drawing).

The behavior of opening a model drawing and having the length of a pipe or HVAC stock change is incorrect. Under no circumstance should the length of a pipe or HVAC part change without the user being notified.

Issue Type: Issue

NA

Subtotal: 1

Issue ID: 18390

Title: Installer - Some ShipConstructor drawings may refuse to open in NavisWorks after NavisWorks is installed on top of ShipConstructor SC2011 R1 or R1.1

Description: Some ShipConstructor drawings may refuse to open in NavisWorks after NavisWorks is installed on top of ShipConstructor SC2011 R1 or R1.1.

For example, consider the following scenario:

1. The user has installed AutoCAD;
2. The user has installed ShipConstructor 2011 R1.0 or R1.1;
3. The user has installed NavisWorks.

If the user attempts to open a ShipConstructor drawing in NavisWorks, an error may happen. This is an installation error that happens because some of the NavisWorks enabler files don't get copied to the appropriate location during the installation process.

Issue Type: Issue

Shared

Subtotal: 2

Issue ID: 16684

Title: ShipConstructor - Plotting Drawings - Curved plates may fail to appear correctly in drawing plots if the "Hidden" shadeplot option is used

Description: Curved plates may fail to appear correctly in drawing plots if the "Hidden" shadeplot option is used.

The behaviour may have slightly different variations. For instance:

1. When the "Hidden" plotting mode is set, curved plates may appear as completely non-transparent objects that has only the outer contour line and miss all of the lines on the inside edges.
2. When the "Hidden" plotting mode is set, curved plates may appear as completely transparent wireframes with other objects shining through them.

To reproduce the behaviour, the following steps can be followed:

1. Create a Structure model drawing that contains curved plates;
2. Open the "Structure Drawing Options..." dialog and set all options to "Show";
3. Switch to the layout tab;
4. Select the viewport and set its "Shade Plot" property to "Hidden;";
5. Type the word "Plot" in the command line and hit Enter;

If the user displays opens plot preview window or prints the drawing, he or she may see that the plot has visual defects in curved plates. The behavior occurs to ShipConstructor objects only. Native AutoCAD solids always appear correctly in drawing plots.

Issue Type: Issue

Issue ID: 19694

Title: Production - After upgrading to SC2011, the "Rank" keyword as well as keywords for assembly UDAs don't appear in the "Insert Keyword" dialogue for existing Assembly Drawings

Description: After upgrading to SC2011, the "Rank" keyword as well as keywords for assembly UDAs don't appear in the "Insert Keyword" dialogue for existing Assembly Drawings. For example, consider the following scenario:

1. A project has been started under SC2008;
2. A few assembly drawings has been created in the project;
3. The project has been updated to SC2011.
4. One of the previously existing assembly drawings has been opened.

If the user runs the "Insert Keyword" command, some of the keywords will be missing from the list in the "Insert Keyword" dialogue. The missing keywords are: the "Rank" keyword and all of the keywords that appear for assembly UDAs. The issue doesn't happen to assembly drawings that are created under the SC2011 version of the product after the update is done.

In the correct situation, all assembly drawings should display the full list of keywords regardless of the ShipConstructor version under which the drawings were created.

Issue Type: Issue

Weld Management

Subtotal: 1

Issue ID: 19054

Title: Weld Management - Weld Process Keywords should get deleted automatically in the Weld Standard Editor

Description: When a Weld Process Subsymbol Entity is deleted in the weld standard editor, all keywords for that process should be automatically deleted as well.
Currently these keywords will not appear if the drawing is closed and then reopened after deleting the sub symbol entity but to avoid confusing users, these should be deleted along with the subsymbol.

Issue Type: Issue
