

Ticket Tools: Link Append Strings



 Annotate Embed Long

 Annotate Embed Short

 Control Number Populator

 Ticket BOM (Duplicates Schedules)

 Ticket Title Block Populator


 Batch Ticket Title Block Populator

 Copy Ticket Views

 Find Referring Views

 Ticket Populator

 Batch Ticket Populator

 Ticket Auto-dimension

 Copy Ticket Annotation

 Auto Ticket Generation

 Clone Ticket

 CAD Export

 Link Append String

Programmed Result of Tool:

The Link Append Strings Tool will allow the user to manage the links between *dimensions in the ticket* and the *append strings describing the dimension*.

Tool Overview:

The Link Append Strings tool begins with the selection of an assembly from the model. The tool will display a window with information listed for each of the dimensions of the selected assembly. The dimensions are sorted by view to allow the user to interact with the selected view and manage that specific dimension's append string.

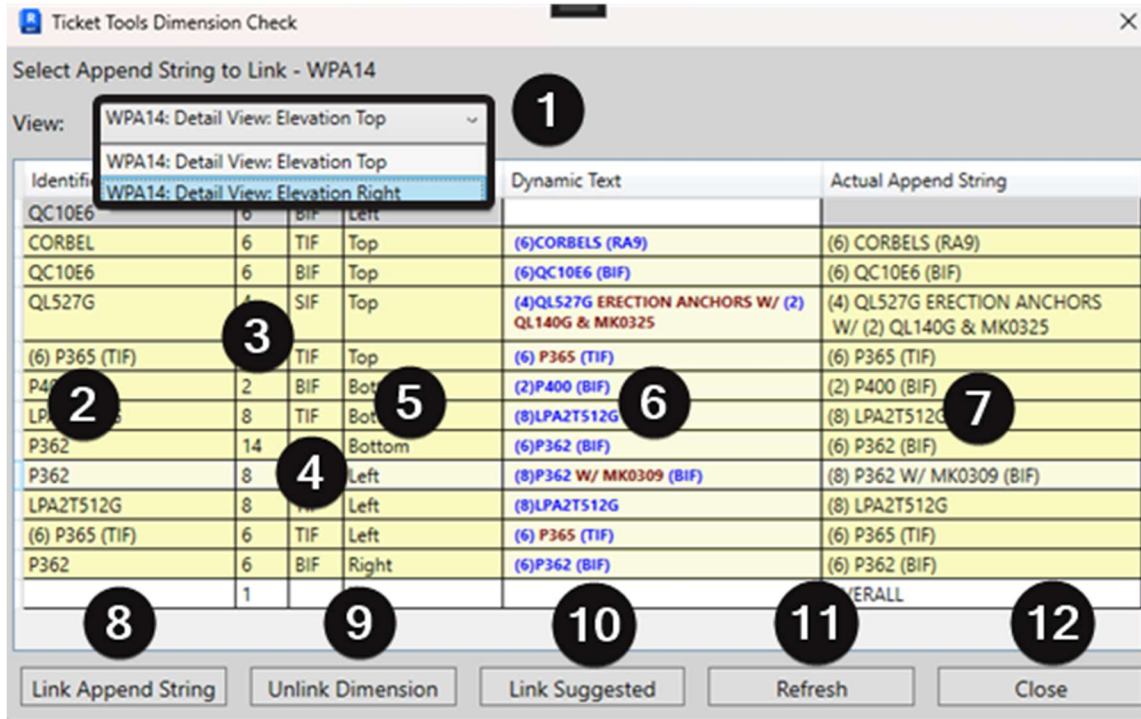
Ticket Tools: Link Append Strings

Steps to Perform Tool Operation:

1. Select the **Ticket Tools: Link Append Strings** tool under the *Ticket Tools* drop-down (See the illustration on the first page).
2. If no assembly had been previously selected, you will be prompted to select the assembly containing the views and dimensions that need to be managed.
3. If the assembly contains views where dimensions are present, the **Link Append String** Window will appear with each relevant view listed in the view drop-down (See the illustration of the tool above).
4. From the **View** drop down list, select the view where the dimension is contained. Upon selection, Revit will set the selected view as active. (Note: While it is possible to interact with Revit while the tool is active, changing from the view specified in the drop down while interacting with the tool may cause it to prompt you to switch views.)
5. Select a row in the window representing a dimension. When you select a dimension from the window, the dimension in the model is selected, the elements referenced by the dimension are selected, and the dimension is outlined by a red rectangle
6. If the dimension is unlinked or the link to the dimension is suggested (the row is gray or yellow), click on the “**Link Append String**” button. Alternatively, If you wish to quickly link each dimension in the list, hitting the **spacebar** may be used instead of clicking the **Link Append String** button. This will allow you to focus mouse movements on selecting the next append string to link to the selected dimension. When you click on the button or hit the **spacebar**, the focus shifts from the window to the selected view, the items that were selected previously are no longer selected, but the outline on the dimension remains.
7. Select the append string that you wish to be associated with the selected dimension. Focus will be returned from Revit to the tool and the next dimension in the list will be selected.
8. If a dimension has been linked to the wrong append string or you simply wish to remove the connection between the dimension and append string, click on the dimension in question and click on the **Unlink Dimension** button. The selected dimension will change colors to indicate that the dimensions is unlinked and information about the append string will be removed.
9. If the suggested links for each of the remaining dimensions listed in the window look correct, clicking on the **Auto-Link** button will automatically link each of the suggested append strings to the indicated dimensions. If you wish to link all remaining suggestions for the assembly, closing the tool will prompt you to do just that. Clicking **Yes** on the “**Commit suggested append strings?**” prompt will link the suggested append strings to the recommended dimensions.
10. To reflect changes that you have made to the model in the Link Append String window, click on the **Refresh** button. While the window will allow you to work and interact with the model independent of the tool, changes made in the model will NOT automatically reflect in the window without first clicking the **Refresh** button.

Ticket Tools: Link Append Strings

Link Append Strings Window



1. **View Combo Box** – A list of views that are available with manageable dimensions.
2. **Identifier** - Generally, this will be the name of the control mark describing the element being measured in the dimension.
3. **Qty** - This column refers to the number of this type of element found in the assembly.
4. **LIF (Location In Form)** - This refers to the TIF (top in form), BIF (bottom in form), or SIF (side in form) information of the elements referenced by the dimension. If referenced elements have differing Location In Form values, the column will read varies.
5. **Side of Piece** - As the name implies, this field will indicate on which side of the assembly the dimension is positioned within the view.
6. **Dynamic Text** - This colorful text is a visual indication of the current append string as well as which parts of the append string are dynamic based on color. With both colors representing how Clone Ticket will clone the append string. A good example from our sample window is illustrated in the following image:

(8)P362 W/ MK0309 (BIF)

In this example, the blue text is dynamic and will change with the conditions of the cloned dimension. The count of this element is 8. This count, and not simply the number 8, will be reflected in the dynamic text. If the count is reduced by three, then the text would indicate 5 as

the new count, etc. The same concept is applied to the identifier (“P362”) and the LIF (“BIF”) in this example. As these values change in the model, the changes should reflect in the blue text of the Dynamic Text field.

The maroon values indicated in the example will be static. The information “ W/ MK0309 “ will remain in between the identifier and the LIF values regardless of the state of the cloned dimension. So long as you don’t modify the static text it will remain the same.

7. **Actual Append String** - This refers to the literal text value of the append string that is linked to the dimension that has been selected.
8. **Link Append String Button** – Will direct the user to the Revit model to select a valid append string. When the append string is selected, it will be linked to the highlighted dimension from the window.
9. **Unlink Dimension Button** – Removes the link between the selected dimension and the currently linked append string.
10. **Auto-Link Button** – Will link each suggested dimension to its indicated append string for the selected view.
11. **Refresh Button** – Synchronizes changes in the model with the information in the window.
12. **Close Button** – Closes the window.

Each row is highlighted to represent each dimension’s append string status:

- Rows that are gray are not linked to a specific append string in the view.
- Rows that are white have been linked and display the append string linked.
- Rows that are yellow are dimensions that are suggestions. The suggested links to specific append strings are based on their proximity to unlinked dimensions. Suggested dimensions will not be linked to an append string until a user manually creates a link, clicks on the “Link Suggested” button in the window, or responds affirmatively to the prompt to link remaining suggested dimensions.