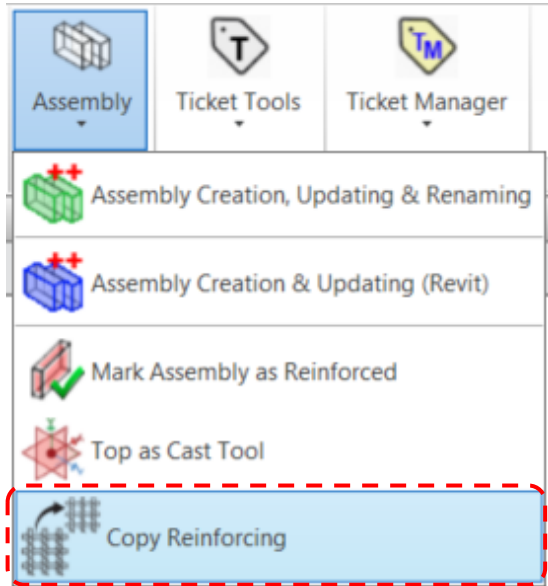


Assembly Tools: Copy Reinforcing



Programmed Result of Tool:

This tool will be used to copy the reinforcement, lifting, strand, mesh, and spiral wire from one assembly to another. We will copy all elements classified as reinforcing under the model locking Reinforcing and Lifting category from the selected assembly to the new assembly.

Steps to Perform tool Operation:

This tool is intended to help users more efficiently populate the model with reinforcing.

- 1) User will run the Copy Reinforcing tool under the Assembly menu.
- 2) User will be asked to select assembly to copy FROM.
- 3) User will be asked to select all the assemblies they want to copy TO. Then Click "Finish" in the Revit UI.

Assembly Tools: Copy Reinforcing

Known Limitations:

- The reinforcing will not "rescale". It will be copied based on the origin of the assembly member.
- The elements that you are copying reinforcing to must be an assembly.
- The Top as Cast tool should be run on the assembly that you are copying from and the assemblies that you are copying to first. This is to ensure that all assemblies have the same origin location, otherwise reinforcing may not be copied as expected.
- Only elements in the original assembly will be copied. If they are not in the assembly then they will not get copied.
- Elements must meet the criteria outlined below in order to be eligible for copying:
 1. The MANUFACTURE_COMPONENT contains one of the following:
 - a. REBAR
 - b. LIFTING
 2. Or the MANUFACTURE_COMPONENT is equal to one of the following:
 - a. CGRID STANDARD
 - b. SHEARGRID STANDARD
 - c. SHEARGRID CUSTOM
 - d. STEM MESH STANDARD
 - e. STEM MESH CUSTOM
 - f. WWF STANDARD
 - g. WWF CUSTOM
 - h. LIFTING STANDARD
 - i. LIFTING CUSTOM
 - j. LIFTING MANUFACTURED PRODUCT
 - k. ERECTION REBAR
 - l. CIP REBAR
 - m. REBAR STANDARD
 - n. REBAR CUSTOM
 - o. REBAR SPIRAL
 - p. PRESTRESSING STRAND STANDARD
 - q. PRESTRESSING STRAND CUSTOM
 - r. STRAND STANDARD
 - s. STRAND CUSTOM
 - t. SHEARGRID
 - u. SHEAR GRID
 3. Or the Family Name contains LIFT

