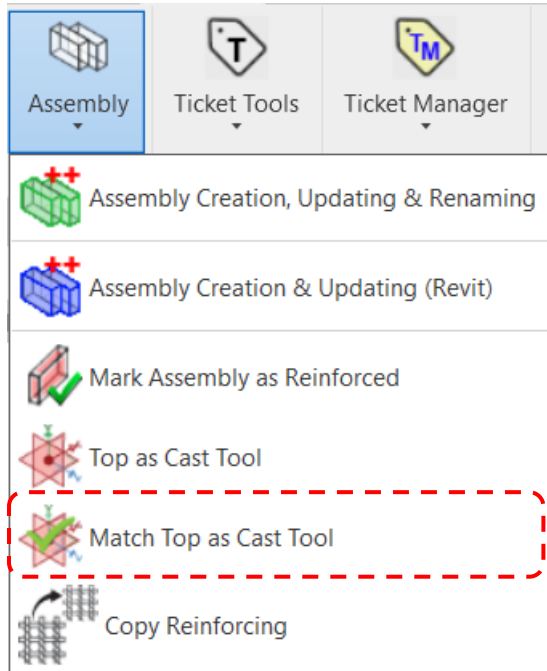


Assembly Tools: Match Top as Cast Tool



Programmed Result of Tool:

This tool allows users to copy the assembly origin placement and orientation from an assembly that has had the Top as Cast tool run on it over to other assembly instances in the model. Once aligned, the tool will show a graphic visualization of the orientation of the assembly origin which has been set as well as the top as cast face.

Steps to Perform tool Operation:

Recommended: The user should run the Top as Cast Tool on the source Assembly prior to running Match Top as Cast in order to accurately place assembly origin on the target Assembly.

- 1) User clicks the Match Top as Cast Tool icon.
- 2) The user selects an assembly (multiple selections are **not** allowed) to copy the assembly origin placement and orientation from.
- 3) After that the user selects an assembly(s) (multiple selections are allowed) to copy to.
- 4) To complete the command, click the Finish button.

A temporary graphic will then be displayed on all assemblies that were copied indicating where the assembly origin was moved to and the corresponding top as cast face on each. This graphic is temporary and will disappear.

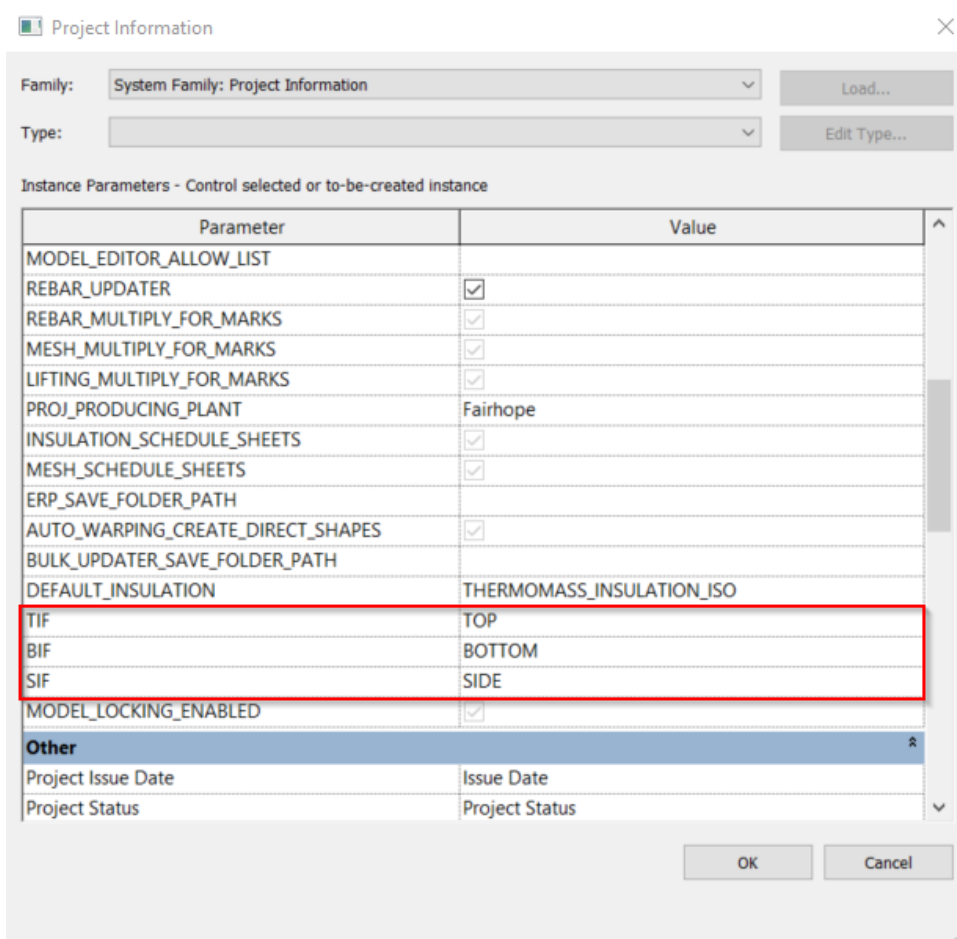
Known Limitations:

- While matching origin from source assembly, where the origin is located on a vertex to a target that has a rounded vertex/edge, Match Top As Cast Tool will place the origin in space at the spot where the vertex would exist in the target assembly.
- Users will only be able to run Match Top as Cast on similar Structural Framing elements. This will be dictated by the Family Name; meaning, if the family names of the structural framing elements with assemblies do not match then you will not be able to run Match Top as Cast on said assemblies in the same transaction.

Assembly Tools: Match Top as Cast Tool

Location In Form:

Additionally, Match Top as Cast will assign a Top in Form, Bottom in Form, or Side in Form value to the LOCATION_IN_FORM parameter for embeds within the assembly being processed. The default values assigned for these designations are TIF, BIF, and SIF, respectively. Using the TIF, BIF, and SIF parameters within Project Information, users can assign custom values for these rather than utilizing the default values. If TIF, BIF, and SIF do not exist in the Project Information window as options, run the Project Shared Parameters tool located under the Admin tab to add them.



Project Information

Family: System Family: Project Information Load...

Type: Edit Type...

Instance Parameters - Control selected or to-be-created instance

Parameter	Value
MODEL_EDITOR_ALLOW_LIST	
REBAR_UPDATER	<input checked="" type="checkbox"/>
REBAR_MULTIPLY_FOR_MARKS	<input checked="" type="checkbox"/>
MESH_MULTIPLY_FOR_MARKS	<input checked="" type="checkbox"/>
LIFTING_MULTIPLY_FOR_MARKS	<input checked="" type="checkbox"/>
PROJ_PRODUCING_PLANT	Fairhope
INSULATION_SCHEDULE_SHEETS	<input checked="" type="checkbox"/>
MESH_SCHEDULE_SHEETS	<input checked="" type="checkbox"/>
ERP_SAVE_FOLDER_PATH	
AUTO_WARPING_CREATE_DIRECT_SHAPES	<input checked="" type="checkbox"/>
BULK_UPDATER_SAVE_FOLDER_PATH	
DEFAULT_INSULATION	THERMOMASS_INSULATION_ISO
TIF	TOP
BIF	BOTTOM
SIF	SIDE
MODEL_LOCKING_ENABLED	<input checked="" type="checkbox"/>
Other	
Project Issue Date	Issue Date
Project Status	Project Status

OK Cancel