Door Factory Standard - How to Manually Swap in New Panels

Instructions for manually swapping panels into the RevitWorks Door Factory Doors.

User Notes

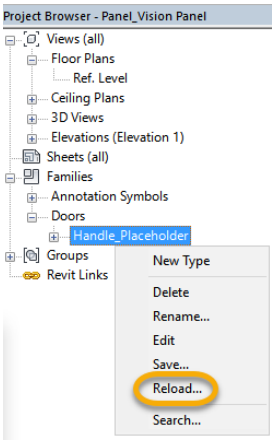
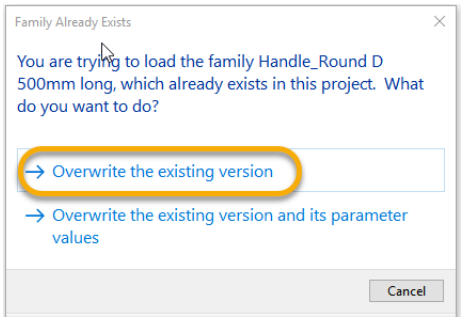
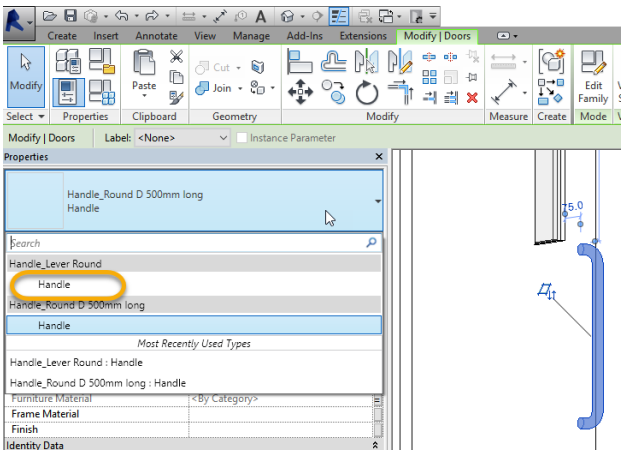
1. The easiest way of creating RevitWorks doors with different panels is to use either the free RevitWorks Door Factory PREVIEW add-in (for single and double hinged doors) or the RevitWorks Door Factory PREMIUM add-in (for the full-range of doors) available from the RevitWorks website.
2. The following procedure is for Revit users who are either using Revit LT, (which doesn't allow for add-ins) or are only licenced to use the RevitWorks Door Factory Standard.
3. The procedures assume a working knowledge of the Revit Family Editor.
4. When swapping out panels the door handles will default back to an (empty) placeholder. You will need to swap in the handles again as shown within these procedures.
5. If the panel and/or handles that you want to manually swap into your door have not been saved out of your project, you will need to edit them within Revit and "Save-as" to a temporary location.

Contents

Step 1: Place handles into the new panel 2
Step 2: Swapping the panel 3
Single Leaf Doors 3
Double Leaf Doors 4
Multi-Leaf Doors: 7

Step 1: Place Handles into the New Panel

Please ensure that you have already saved the handles and desired panel to a retrievable location.

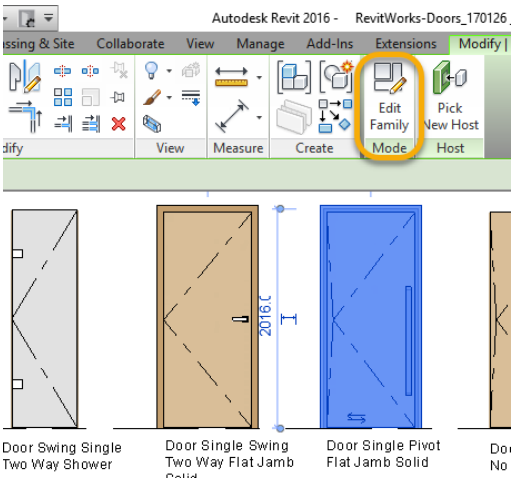
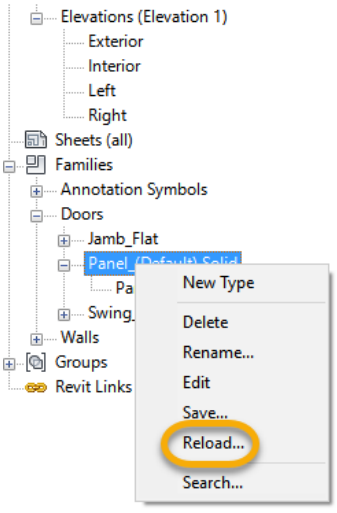
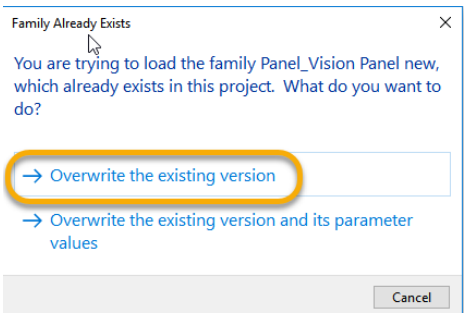
#	Item	Notes/ Explanation
1.	**Select New Panel** Within Revit, open the panel you want to swap into your new door.	
2.	**Select Existing Handle** Within the Family Editor, locate the "Handle_Placeholder" family within the project browser and: <right-click> "Reload"	
3.	**Select New Handle** Navigate to the saved position of the handle you want to swap in and select it. When the "Family Already Exists" dialog appears, Click "Override Existing Version"	
3a.	**Optional – Select another handle** If you require a different handle to the other side of the door leaf: 1. Load another handle into your family using Insert/ Load Family 2. Select the relevant handle from a 3d or elevation view and change its type to the new handle	
4.	**Save As** "Save As" and give the panel a new name.	

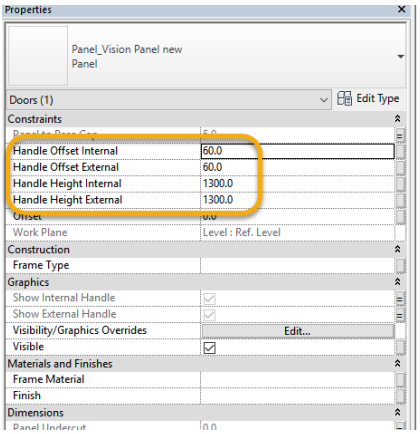
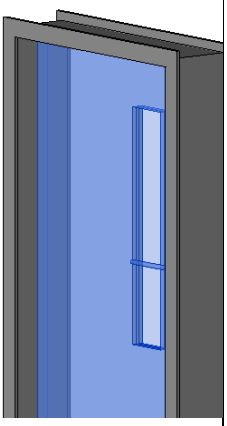
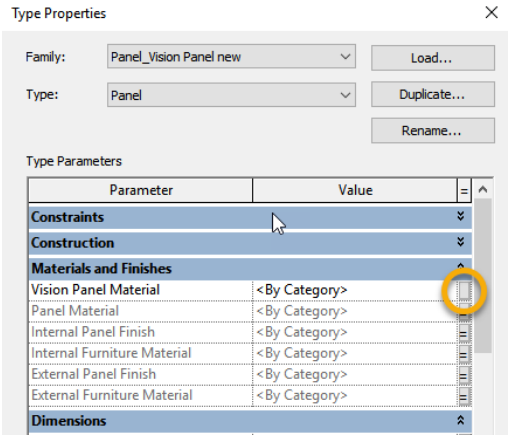
Step 2: Swapping the panel

Step 2: Single Leaf Doors

(Single Hinge, Single Pivot, Single Hatches, All single sliders and Garage doors)

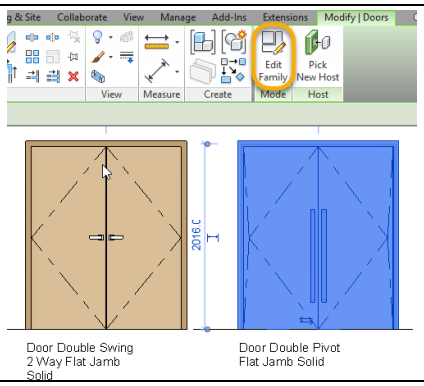
Please ensure that you have already swapped in the correct handles and saved your desired panel to a retrievable location.

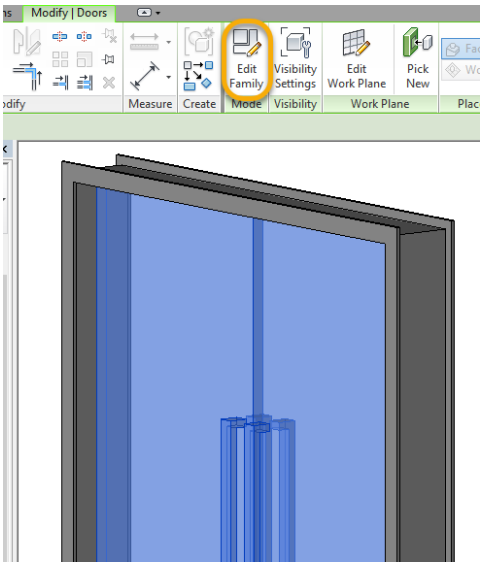
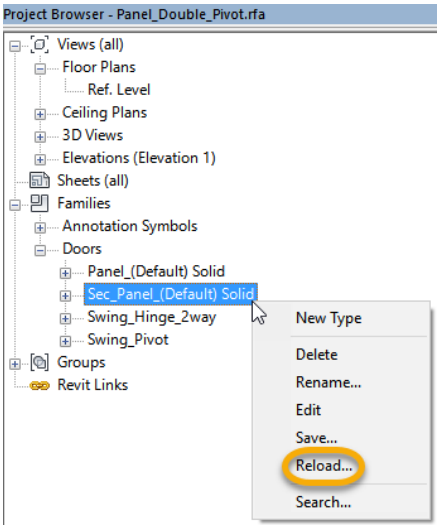
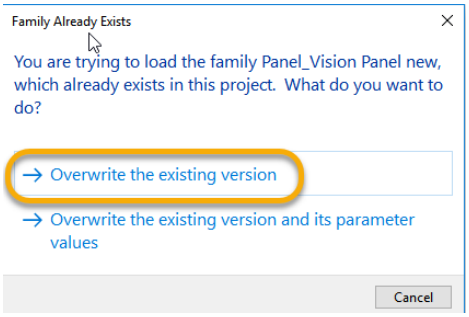
#	Item	Notes/ Explanation
1.	**Select Existing Door** Within Revit select a single leaf RevitWorks door that has the same action/jamb/configuration of the door you want to create (and preferably with a panel that has a similar array of materials) and “Edit Family”.	
2.	**Select Existing Panel** Within the Family Editor, locate the “Panel_” family within the project browser and: <right-click> “Reload”	
3.	**Select New Panel** Navigate to the saved position of the panel you want to swap in and select it. When the “Family Already Exists” dialog appears, Click “Override the existing version”	

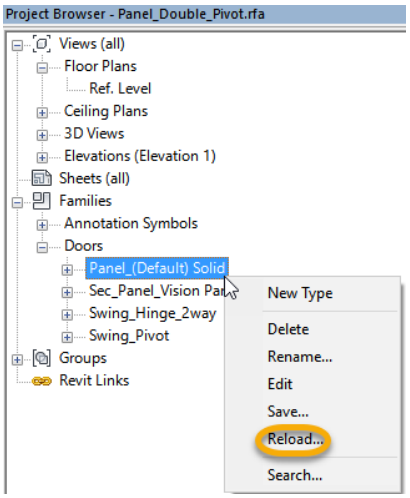
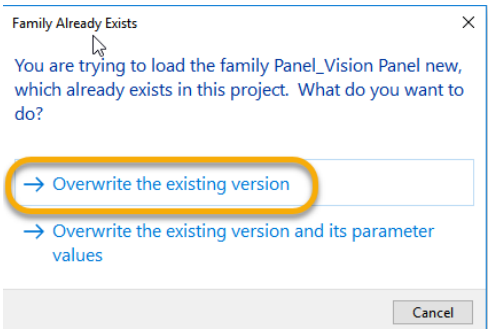
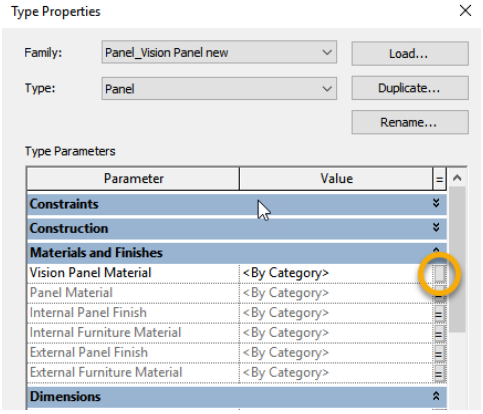
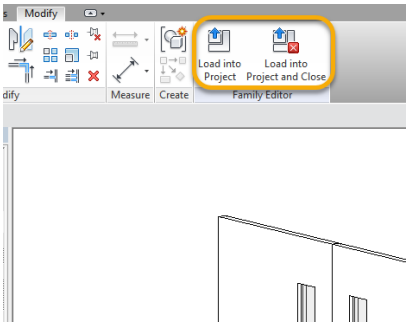
#	Item	Notes/ Explanation
4.	**Check Handle Setout** Go to your Elevation views and check that the set-outs of the handles are correct. If they are not correct, select the *panel* and edit its properties by changing the relevant handle parameter values to suit. *Note that the handle setout parameters measure to different points depending on the handle type so please check your elevations to ensure the height is as expected.*	 
5.	**Check Materials** Select the Panel and check that all the material type parameters are associated through to the final family. If they don't have an "=" sign (as shown to the right) within the "Associate Family Parameter" button, click on that button and create a new material *type* parameter for it to link through to.	
6.	**Save-as** Save-as and give your door a new name. Your new door is now ready to be loaded into your project.	

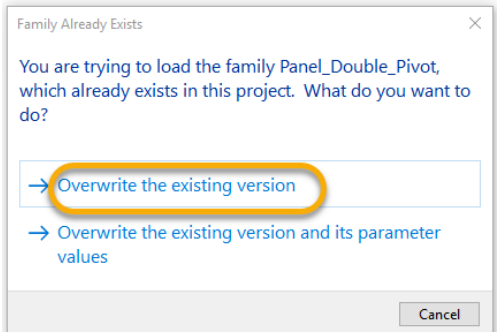
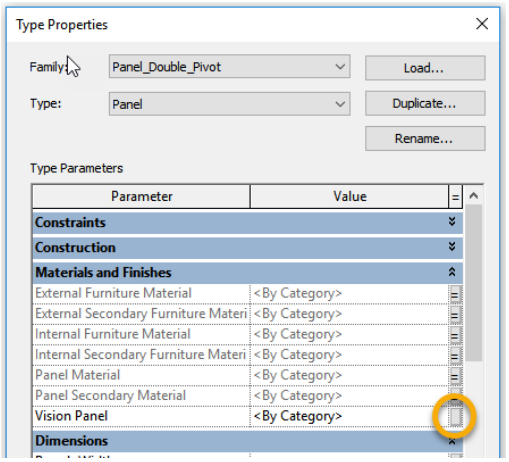
Step 2: Double Leaf Doors

(Double Hinge, Double Pivot, Double Hatches, 1+1 Surface Sliders and 1+1 Pocket Sliders)

#	Item	Notes/ Explanation
1.	**Select Existing Door** Within Revit select a double leaf RevitWorks door that has the same action/jamb/configuration of the door you want to create (and preferably with panels that have a similar array of materials) and "Edit Family".	

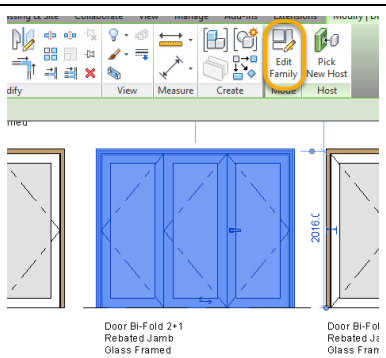
#	Item	Notes/ Explanation
2.	**Select Double Panel** Within the Family Editor, select the double panel family and “Edit Family”	
3.	**Select Existing *Secondary* Panel** Within the Family Editor, locate the “Sec_Panel_” family within the project browser and: <right-click> “Reload”	
4.	**Select New *Secondary* Panel** Navigate to the saved position of the panel you want to swap in and select it. When the “Family Already Exists” dialog appears, Click “Override the existing version” **Rename the panel** with “Sec_” as its prefix.	

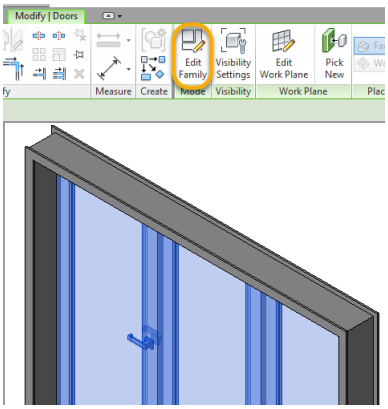
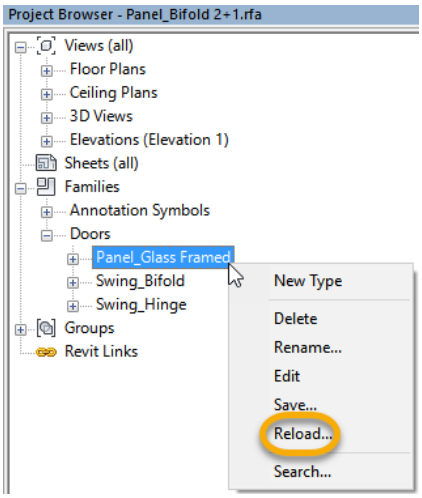
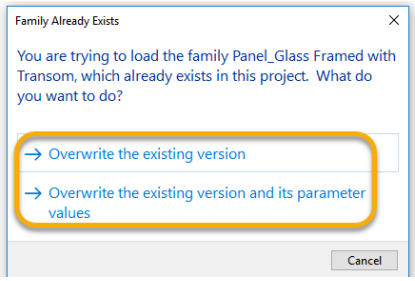
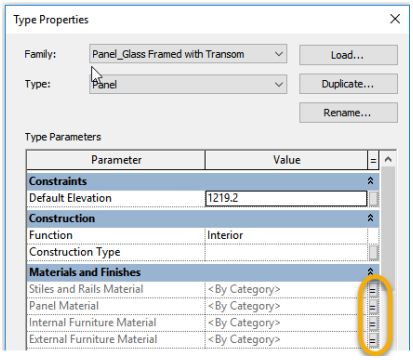
#	Item	Notes/ Explanation
5.	**Select Existing *Primary* Panel** Within the Family Editor, locate the "Panel_" family within the project browser and: <right-click> "Reload"	
6.	**Select New *Primary* Panel** (this can be the same panel as the secondary panel) Navigate to the saved position of the panel you want to swap in and select it. When the "Family Already Exists" dialog appears, Click "Override the existing version"	
7.	**Check Materials** Select the Panels separately and check that all the material type parameters are associated through to the final family. If they don't have an "=" sign (as shown to the right) within the "Associate Family Parameter" button, click on that button and create a new material *type* parameter for it to link through to.	
8.	**Load Double Panel into your Door Family** Load back into your door family by using the "Load into Project" (or Load into Project and Close") command	

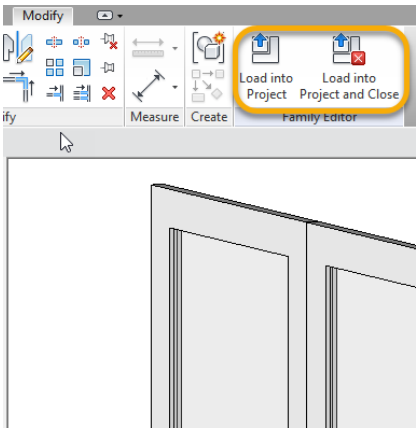
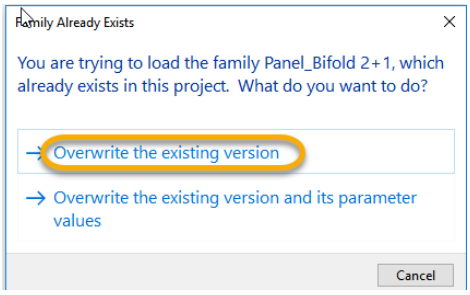
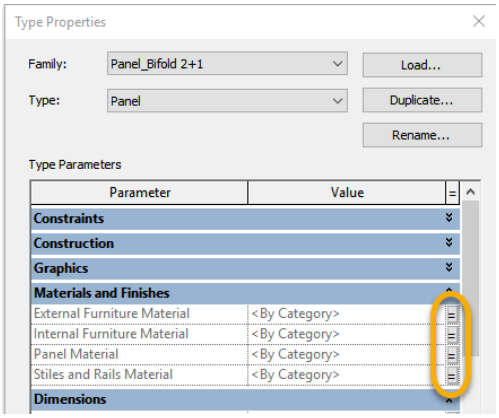
#	Item	Notes/ Explanation
9.	**Overwrite Existing Panel** When the "Family Already Exists" dialog appears, Click "Override the existing version"	
10	**Check Materials** Select the double panel and check that all the material type parameters are associated through to the final family. If they don't have an "=" sign (as shown to the right) within the "Associate Family Parameter" button, click on that button and create a new material *type* parameter for it to link through to.	
11	**Save as** Save-as and give your door a new name. Your new door is now ready to be loaded into your project.	

Step 2: Multi-Leaf Doors:

(1+0, 2+0 and 2+2 Surface Sliders, Contained Sliders, Wardrobe Sliders and Bifolds)

#	Item	Notes/ Explanation
1.	**Select Existing Door** Within Revit select a multi-leaf RevitWorks door that has the same action/jamb/configuration of the door you want to create (and preferably with panels that have a similar array of materials) and "Edit Family".	

#	Item	Notes/ Explanation
2.	**Select Double Panel** Within the Family Editor, select the multi-leaf panel family and "Edit Family"	
3.	**Select Existing Panel** Within the Family Editor, locate the "Panel_" family within the project browser and: <right-click> "Reload"	
4.	**Select New Panel** Navigate to the saved position of the panel you want to swap in and select it. When the "Family Already Exists" dialog appears, Click "Override the existing version"	
5.	**Check Materials** Select the Panels separately and check that all the material type parameters are associated through to the final family. If they don't have an "=" sign (as shown to the right) within the "Associate Family Parameter" button, click on that button and create a new material *type* parameter for it to link through to.	

#	Item	Notes/ Explanation
6.	**Load Multi-leaf Panel into your Door Family** Load back into your door family by using the "Load into Project" (or Load into Project and Close") command	
7.	**Overwrite Existing Panel** When the "Family Already Exists" dialog appears, Click "Override the existing version"	
8.	**Check Materials** Select the double panel and check that all the material type parameters are associated through to the final family. If they don't have an "=" sign (as shown to the right) within the "Associate Family Parameter" button, click on that button and create a new material *type* parameter for it to link through to.	
9.	**Save as** Save-as and give your door a new name. Your new door is now ready to be loaded into your project.	

(end)