

# **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 <u>RevitWorks website</u>.
- 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.

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# 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.	<b>Select New Panel</b> 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"</right-click>	Project Browser - Panel Vision Panel
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"	Family Already Exists       ×         You are trying to load the family Handle_Round D       500mm long, which already exists in this project. What do you want to do?         → Overwrite the existing version       →         → Overwrite the existing version and its parameter values       Cancel
За.	<ul> <li>Optional – Select another handle</li> <li>If you require a different handle to the other side of the door leaf: <ol> <li>Load another handle into your family using Insert/ Load Family</li> </ol> </li> <li>Select the relevant handle from a 3d or elevation view and change its type to the new handle</li> </ul>	Create       Inset       Annotate       View       Manage       Add-los       Extensions       Modify       Doir         Modify       Properties       Cut       Paste       Point       Point </td
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.

#	ltem	Notes/ Explanation
1.	<b>Select Existing Door</b> 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".	Autodesk Revit 2016 - RevitWorks-Doors_170126 ssing & Site Collaborate View Manage Add-Ins Extensions Modify
		Door Swing Single Two Way Shower Door Single Swing Two Way Flat Jamb
2.	Select Existing Panel Within the Family Editor, locate the "Panel_" family within the project browser and: <right-click> "Reload"</right-click>	Elevations (Elevation 1) Exterior Left Right Annotation Symbols Doors Jamb_Flat Panel (Indicute) Solid New Type Delete Rename Edit Save Reload Search
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"	Family Already Exists       ×         You are trying to load the family Panel_Vision Panel new, which already exists in this project. What do you want to do?         → Overwrite the existing version         → Overwrite the existing version and its parameter values

#	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 <i>panel</i> 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.	Properties       ×         Panel_Vision Panel new       Panel         Panel       *         Boors (1)       *         Constraints       *         Handle Offset External       60.0         Handle Offset External       60.0         Handle Offset External       1300.0         Handle Height Ixternal       1300.0         Handle Height External       1300.0         Grase       ww         Work Plane       Level : Ref. Level         Construction       *         Frame Type       *         Graphics       *         Show External Handle       *         Visibile       *         Visibile       *         Pranel Marcelia       *         Frame Material and Enixibas       *         Frame Material       *         Frame Material       *         Frame Material       *         Panel Indeerof       *
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 <i>type</i> parameter for it to link through to.	Type Properties       X         Family:       Panel_Vision Panel new       Load         Type:       Panel       Duplicate         Rename       Type Parameters       Rename         Yope Parameters         Value         Constraints         Value         Value         Value         Value         Onstraints         Vision Panel Material         Vision Panel Funish         V
6.	<b>Save-as</b> 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.	<b>Select Existing Door</b> 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".	a & Site       Collaborate       View       Manage       Add-Ins       Extensions       Modify [Doors]         a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0         a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0         a = 0       b = 0       a = 0       a = 0       a = 0       a = 0       a = 0         b = 0       b = 0       a = 0       a = 0       a = 0       a = 0       a = 0         b = 0       b = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0         c = 0       b = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0       a = 0 </th

#	ltem	Notes/ Explanation
2.	Select Double Panel         Within the Family Editor, select the double panel family and "Edit Family"         Select Existing Secondary Panel         Within the Family Editor, locate the "Sec_Panel_" family within the project browser and: <right-click> "Reload"</right-click>	Modify [Door       Image: Create Week Visibility       Image: Create Week Visibility       Image: Create Week Visibility         Image: Create Week Visibility       Work Plane       Place         Image: Create Visibility       New Type       Place         Image: Create Visibility       New Type       Delete         Image: C
4	Octool New Occounters Devict	Search
4.	Select New Secondary Panel	Family Already Exists ×
	Navigate to the saved position of the panel you want to swap in and select it.	You are trying to load the family Panel_Vision Panel new, which already exists in this project. What do you want to do?
	When the "Family Already Exists" dialog appears, Click "Override the existing version"	$\rightarrow$ Overwrite the existing version
	Rename the panel with "Sec_" as its prefix.	→ Overwrite the existing version and its parameter values
		Cancel

#	Item	Notes/ Explanation
5.	Select Existing Primary Panel Within the Family Editor, locate the "Panel_" family within the project browser and: <right-click> "Reload"</right-click>	Project Browser - Panel_Double_Pivot.rfa        (0)       Views (all)
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"	Family Already Exists       ×         You are trying to load the family Panel_Vision Panel new, which already exists in this project. What do you want to do?         → Overwrite the existing version         → Overwrite the existing version and its parameter values
7.	<b>Check Materials</b> 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 <i>type</i> parameter for it to link through to.	Type Properties       X         Family:       Panel_Vision Panel new       Load         Type:       Panel       Dupkcate         Rename       Rename         Type Parameters       Image: Constraints       Image: Constraints         Vision Panel Material <by category="">       Image: Category&gt;         Panel Material       <by category="">       Image: Category&gt;         Internal Panel Finish       <by category="">       Image: Category&gt;         External Formiture Material       <by category="">       Image: Category&gt;         Internal Panel Finish       <by category="">       Image: Category&gt;         External Formiture Material       <by category="">       Image: Category&gt;         External Formiture M</by></by></by></by></by></by></by></by></by></by></by></by></by>
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	Modify Modify Measure Create Family Editor Measure

#	Item	Notes/ Explanation
9.	<b>Overwrite Existing Panel</b> When the "Family Already Exists" dialog appears, Click "Override the existing version"	Family Already Exists       ×         You are trying to load the family Panel_Double_Pivot, which already exists in this project. What do you want to do?         → Overwrite the existing version         → Overwrite the existing version and its parameter values         Cancel
10	<b>Check Materials</b> 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 <i>type</i> parameter for it to link through to.	Type Properties       ×         Family       Panel_Double_Pivot       Load         Type:       Panel       Duplicate         Type:       Panel       Duplicate         Rename       Rename         Type Parameters       *         Constraints       *         Construction       *         Materials and Finishes       *         External Furniture Material <by category="">         External Furniture Material       <by category="">         Internal Furniture Material       <by category="">         Panel Material       <by category="">         Panel Material       <by category="">         Panel Secondary Furniture Material       <by category="">         Panel Secondary Material       <by category="">         Dimensions       *</by></by></by></by></by></by></by>
11	<b>Save as</b> 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)

#	ltem	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".	Automatic     Autom

#	Item	Notes/ Explanation
2.	<b>Select Double Panel</b> Within the Family Editor, select the multi-leaf panel family and "Edit Family"	Modify [Doors
3.	Select Existing Panel Within the Family Editor, locate the "Panel_" family within the project browser and: <right-click> "Reload"</right-click>	Project Browser - Panel_Bifold 2+1.rfa         - [0], Views (all)         - Floor Plans         - Ceiling Plans         - Do Views         - Elevations (Elevation 1)         Sheets (all)         - Panel_Glass Framed         - Swing_Bifold         - Swing_Bifold         - Swing_Hinge         - @ Groups         - @ Groups         - @ Revit Links
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"	Family Already Exists       X         You are trying to load the family Panel_Glass Framed with Transom, which already exists in this project. What do you want to do?
5.	<b>Check Materials</b> 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 <i>type</i> parameter for it to link through to.	Type Properties       X         Family:       Panel_Glass Framed with Transom       Load         Type:       Panel       Duplicate         Rename       Duplicate       Rename         Type Parameters       Parameter       Value       *         Construction       *       *       Default Elevation       1219.2       *         Construction       *       *       *       *       *       *         Materials and Finishes       *       *       *       *       *       *       *         Panel Material       <       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *       *

#	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	Modify
7.	<b>Overwrite Existing Panel</b> When the "Family Already Exists" dialog appears, Click "Override the existing version"	Ramily Already Exists       ×         You are trying to load the family Panel_Bifold 2+1, which already exists in this project. What do you want to do?         → Overwrite the existing version         → Overwrite the existing version and its parameter values         Cancel
8.	<b>Check Materials</b> 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 <i>type</i> parameter for it to link through to.	Type Properties       ×         Family:       Panel_Bifold 2+1       Load         Type:       Panel       Duplicate         Rename       Rename         Type Parameters       •         Constraints       •         Constraints       •         Graphics       •         Materials and Finishes       •         External Furniture Material <by category="">         Internal Furniture Material       <by category="">         Stiles and Rails Material       <by category="">         Dimensions       •</by></by></by>
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)