

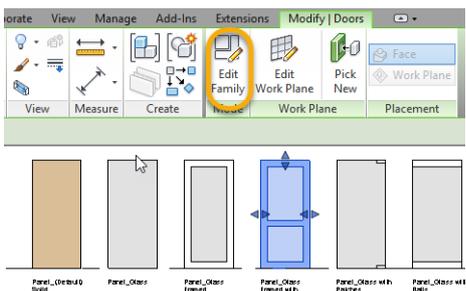
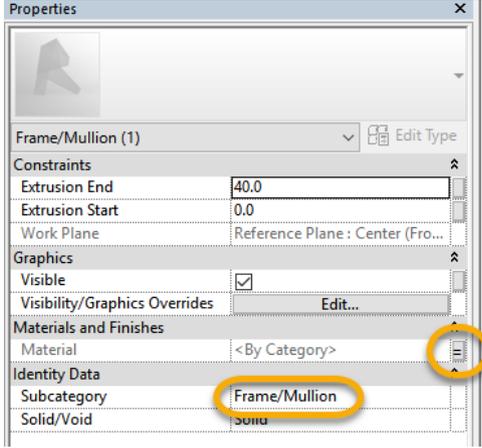
Door Factory Standard - How to Create a New Panel

Instructions for creating new panels for use within the RevitWorks Door Factory Doors.

The procedures below require a good understanding of Revit's built-in family editor techniques.

Refer to [Panel Swapping Document](#) for instructions on how to load your new panel into an existing RevitWorks Door.

Procedure:

#	Item	Notes/ Explanation
1.	<p>Open an Existing RevitWorks Panel</p> <p>Within the RevitWorks Standard Doors project file, select a panel that is the closest match to the panel you want to create (including its array of materials) and "Edit Family".</p> <p><i>Do not start from scratch using a Revit family template – when swapping the panels into a RevitWorks door the panel needs to be setup in a consistent "RevitWorks" way to swap easily.</i></p>	
2.	<p>Amend Panel</p> <p>Within the Family Editor:</p> <ul style="list-style-type: none"> Modify the existing extrusions and voids to create the desired panel (if possible) or create new extrusions etc. if required. New reference planes can be created for your new extrusions if required – ensure they are set to "Not a Reference" Ensure all modelled elements are on the correct sub-category Ensure all modelled element materials are associated through to type based material parameters. Create new material <i>type</i> based parameters if required and delete existing if not required (but do not delete External/Internal Furniture material parameters). Ensure relationship of modelled elements to reference planes are retained correctly Check the view "Preview", change if required to create a clean preview. Do not delete the Centre (Left/Right) reference planes. 	
3.	<p>Save As</p> <p>"Save As" and give the panel a new name. You panel is now ready to be loaded into a RevitWorks door.</p>	

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Important Notes:

The following notes are important to ensure that the swapping procedure for panels into RevitWorks doors are consistently easy:

1. Do not add more Family Types, or change the family type name "Panel"
2. Do not amend the extrusions 3d/plan/elevation visibility settings - this is controlled elsewhere within the door family.
3. Do not modify or delete the Height, Panel to Base Gap, Panel Undercut, Panel Thickness, Width, any handle or Furniture parameters or associated reference planes.
4. All material parameters created need to be *type* based.
5. Remember to flex your panel to ensure that your modelled elements are constrained properly
6. Please contact support@revitworks.com for help if required.