RevitWorks Door Factory Specification Subcategories Used



	DOOIS	
	Arrow	-Symbolic directional plan/elevation arrows for sliding doors
	Elevation Swing	-Symbolic lines in elevation to show the swing direction
*	Frame/Mullion	-Frames to framed doors (ie: Aluminium framed glass doors)
	Furniture	-Handles, glass patches, kickplates etc
*	Glass	-All glass within doors
	Head Components	-Pelmets etc. On separate subcategory so one can turn off in floor plans
*	Hidden Lines	
	Jamb	-The door jamb
*	Opening	
*	Panel	-The door panel (except for glass doors)
	Plan Panel	-Symbolic panel lines in plan
	Plan Swing	-Symbolic swing lines in plan
	Sill Components	-On separate subcategory so can turn off in ceiling plans
	Trim	-Architrave, casing, mouldings etc around the door opening

* = Revit OOTB subcategories (Revit subcategories that cannot be deleted)

Detail Levels



3d views: Coarse Medium Fine Elevations: Coarse Medium Fine

Use visibility graphics door

off and on as required.

subcategories to turn components

Use visibility graphics door subcategories to turn components off and on as required.

Shared Parameter Usage

Shared Parameters allow for additional usability compared to unshared parameters. Refer to Typical Door Type and Typical Door Instance Parameters (on the following pages) for complete lists of all shared and unshared parameters. RevitWorks door families shared parameters are as below:

For Tagging and Scheduling:

Allows parameters to be within tags as well as scheduled. Includes:

- All type parameters under "Construction" group.
- All parameters under "Dimension" group.
- Major parameters under "Other" group: Structural Tolerance
 - Jamb Width Jamb Head Width Jamb Depth Doorstop Width

For Consistency:

Allows families to be swapped with different families without an instance parameter changing back to its default value. Includes:

Plans:

Coarse

Medium

Fine

- All instance parameters under "Graphics" group (including "Swing Angle")
- All instance parameters under "Other" group (including alignment parameters)

Calculation Parameters:

All parameters starting with "rw_calc" are internal calculation parameters within the RevitWork families. Please do not amend them.

- Coarse Fine Medium

Jamb

Width

Structural

Tolerance

Jamb Width + Structural

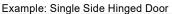
Tolerance

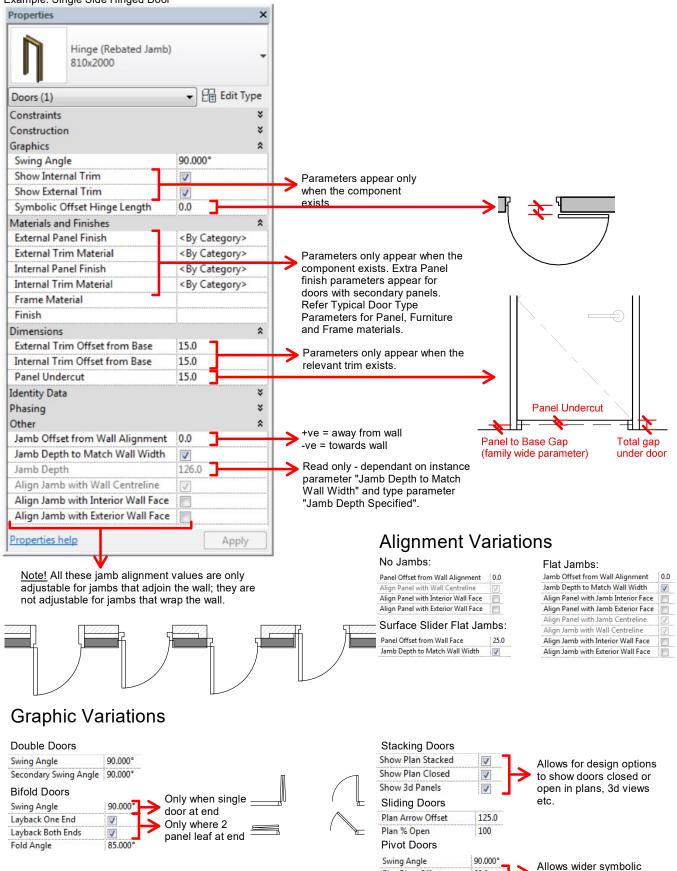
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RevitWorks Door Factory







Plan Pivot Offset

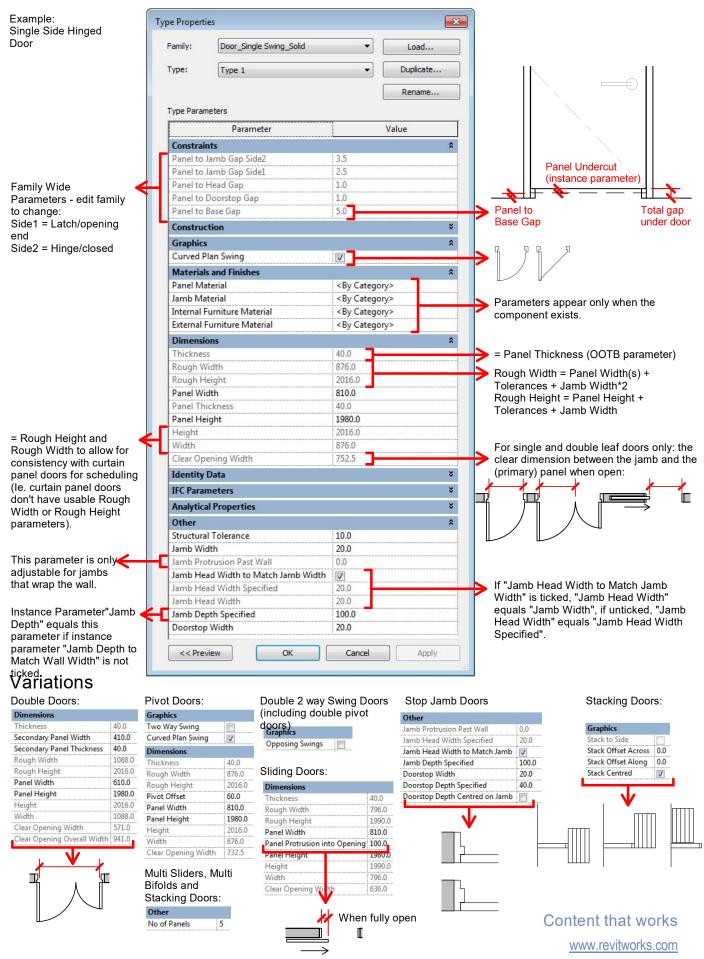
60.0

representation in plans Content that works www.revitworks.co.nz

RevitWorks Door Factory



Typical Door Type Parameters



RevitWorks Door Factory Curtain Panel Door Differences



The differences between curtain panel doors and standard doors can be summarised as follows:

- Curtain panel door dimensions are always instance parameters. (i.e. they are dependant on the curtain panel size).
- Curtain panel doors can not report on the wall thickness they are embedded into.

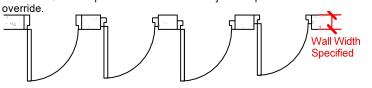
The RevitWorks curtain panel door parameters relate to, and improve these differences.

Instance Parameter Differences

Refer to Typical Door Instance Parameters for full parameter lists

Properties		×
CP Door_Single Swing Type 1		•
Doors (1)	Edit T	ype
Construction		¥
Graphics		¥
Materials and Finishes		¥
Dimensions		\$
Panel Width	544.0	
Panel Undercut	0.0	
Panel Height	3964.0	
Jamb Depth	100.0	
Clear Opening Width	486.5	
Width	610.0	
Height	4000.0	
Identity Data		¥
Phasing		¥
Other		\$
Wall Width Specified	0.0	
Jamb Offset from Wall Alignment	0.0	
Jamb Depth to Match Wall Width		
Align Jamb with Wall Centreline	1	
Align Jamb with Interior Wall Face		
Align Jamb with Exterior Wall Face		

These parameters report the door's Rough Width and Rough Height (curtain panel doors don't come with real Rough Width or Rough Height parameters). These are consistent with the RevitWorks standard doors to allow for scheduling. (i.e. Width = Panel Width(s) + Tolerances + Jamb Width*2. Height = Panel Height + Tolerances + Jamb Width) Manually set for ease of use of alignment parameters. Also allows for"Jamb Depth to Match Wall Width" jamb depth

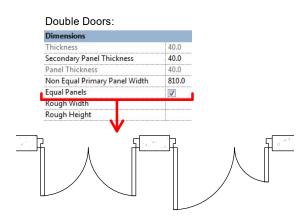


Type Parameter Differences

Refer to Typical Door Type Parameters for full parameter lists

amily:	CP Door_Single Swi	ing	▼ Load		
ype:	Type 1		Duplicate	Duplicate	
			Rename		
ype Parame	eters				
	Parameter		Value		
Constrain	ts			×	
Construct	ion			¥	
Graphics				×	
Materials	and Finishes			¥	
Dimensio	ns			\$	
Thickness		40.0			
Panel Thio	kness	40.0			
Rough Wi	dth				
Rough He	ight				
Identity D	ata			×	

Dimension Variations



These parameters are Revit system parameters that do not report any lengths and can not be linked to any other parameters.

They are ignored by RevitWorks (unfortunately they can not be deleted).

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