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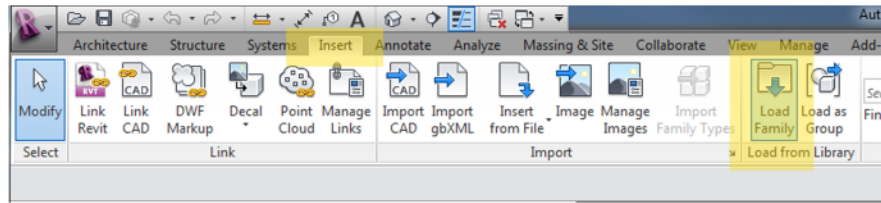
Safehinge
Finger Guard Door Set
User Guide

Version 1.0 Revit 2014
January 2016

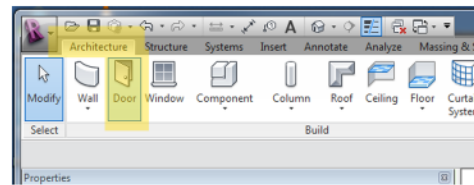
SAFEHINGE  **SIMPLY
DIFFERENT**

Loading the Safehinge Finger Guard Door component into your project

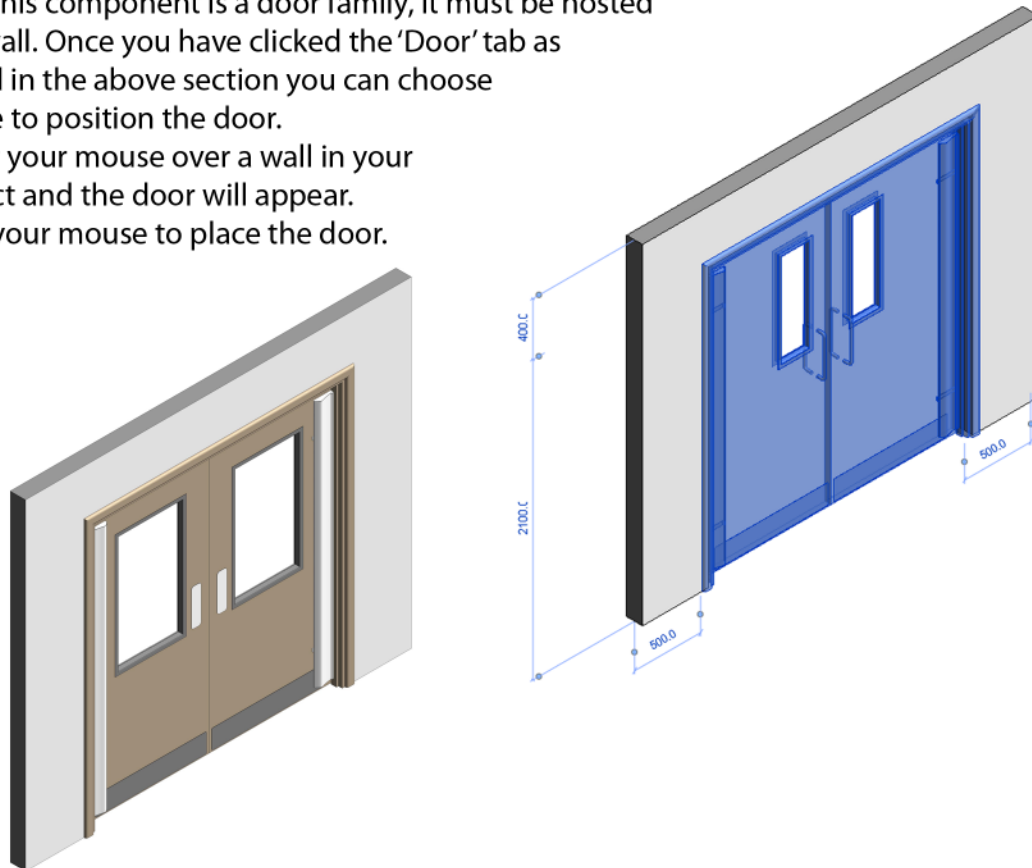
The Finger Guard Door set has been created as a 'Door family' with user selectable configurations. You can load the component into your project using the following method;



1. Open the Revit family containing your "project" and navigate to an appropriate view.
2. Now save the component that you downloaded from bimstore to your desired location on your computer (In line with your company protocols).
3. Navigate to the 'Insert' tab located on the Revit Ribbon and click the 'Load Family' button.
4. You can now navigate to where you have saved the Safehinge door component and click the revit file .
5. The component is now embedded into your project and can be selected from the 'Door' tab found in the Architecture section of the main Revit ribbon.



6. As this component is a door family, it must be hosted to a wall. Once you have clicked the 'Door' tab as stated in the above section you can choose where to position the door. Hover your mouse over a wall in your project and the door will appear. Click your mouse to place the door.



Using the Safehinge door Component

These components have been created with 3 pre-defined types for each of the Finger Guards. (ALUMAX / ALUMINI / ALUFAST). The initial component you have loaded in to your project will have default options selected to allow for quick, consistent placement of the component however there are a large number of other configurations available.

It is possible to create a number of pre-defined types for this door system. Please select the component, click the 'Edit Type' button on the head of the Properties dialogue box and duplicate the type providing a name that distinguishes the options you have pre-selected.

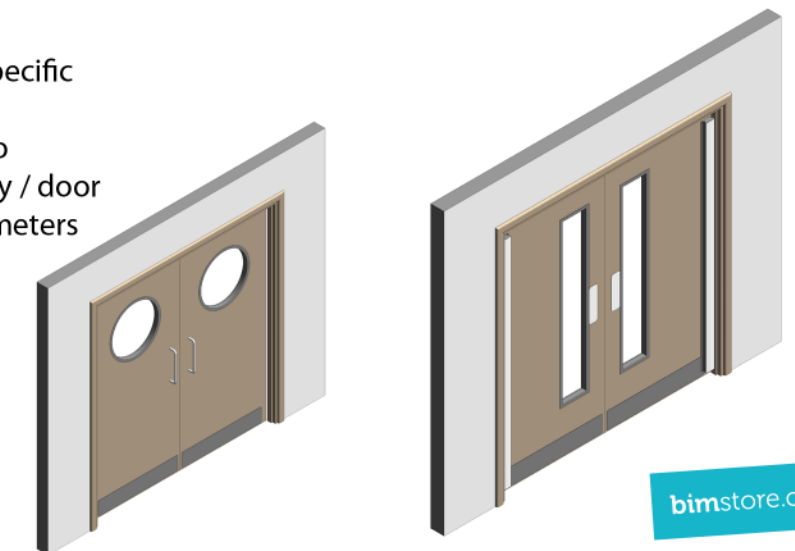
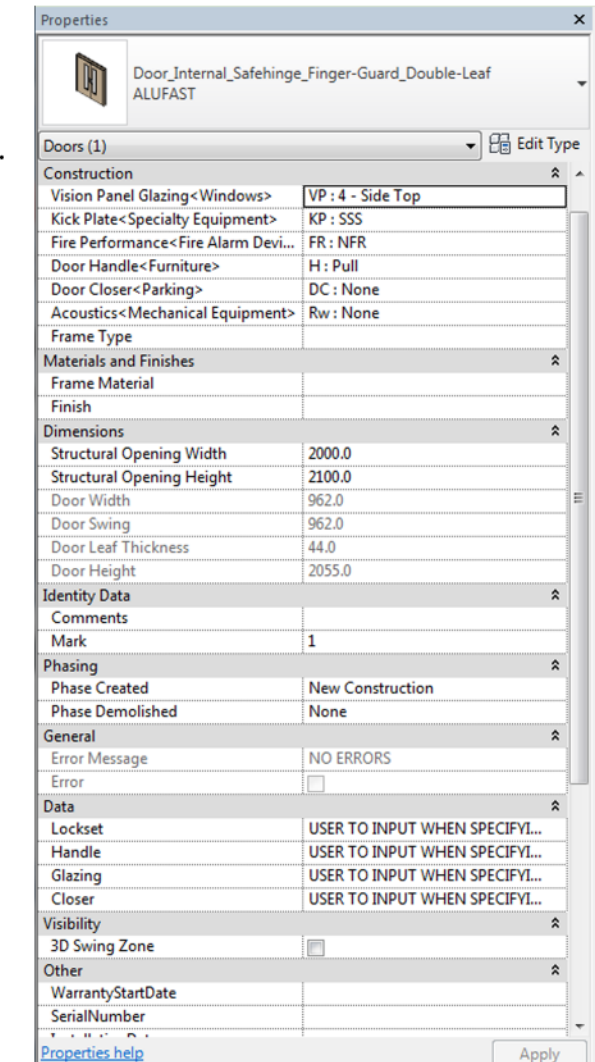
To access all of the user selectable features of the component simply select the component and refer to the Properties dialogue box which appears (typically on the left hand of the screen). Scroll down the tool bar to reach the 'Construction' heading. In this location you will find all of the user selectable options and features that the component offers (as illustrated).

Door Options

The Door component offers a variety of options with regards to the configurations and options available. These have been incorporated as user selectable drop parameters and tick boxes. If you wish to alter the configuration of the door from the default version you have loaded into your project, simply use the relevant dropdown/tick box and choose your required option. Click the apply button to activate the change.

Within the component there various options:

- 11 Vision Panel
- 3 Door Closers
- 3 Kick Plates
- 4 Handle
- 3 Fire Rating
- 5 Acoustic
- Double Swing Tick Box (specific configuration required)
- Text Parameters for user to specify exact ironmongery / door closer etc. (instance parameters and type parameters)



Using the Safehinge Component continued

Door Height and Width

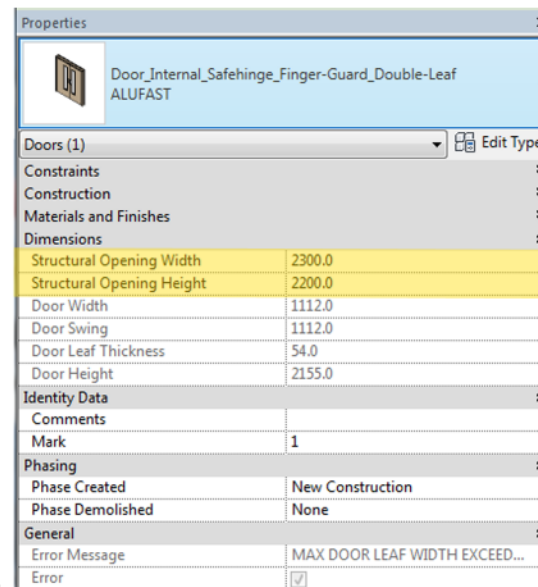
These components also have a number of parameter options that can be easily adjusted. This are illustrated below. Simply select the door and navigate to the 'Dimensions' section of the properties dialogue box and find the 'Structural Opening Height' and 'Structural Opening Width' parameters. Here you can enter the desired value into the box and then click apply and the door will adjust appropriately.

Within the 'Dimensions' section of the component there are 2 parameters that will supply you with dimensions for the clear opening width and height of the door where available. These are calculated automatically when the 'Structural Opening Height' and 'Structural Opening Width' are adjusted.

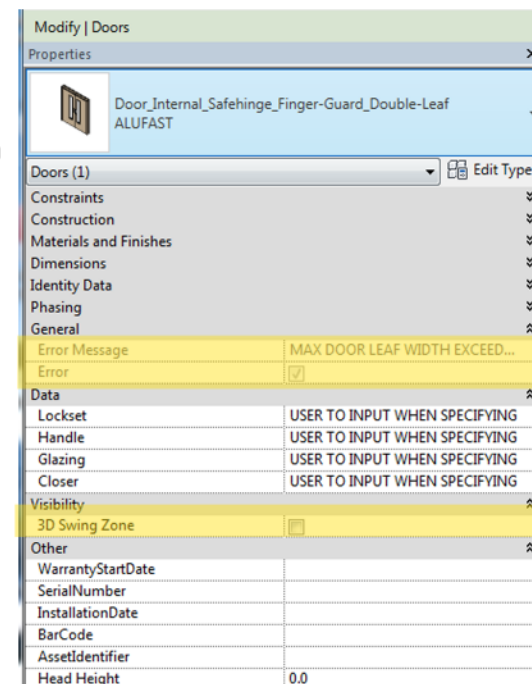
3D Swing Zones

These components are created with an option to activate a 3D swing zone. This option may be used for clash detection purposes and for visualising the opening angle of the door. To activate this option select the door and navigate to the 'Graphics' section of the Properties dialogue box. Then simply select the 'Show 3D Swing Zone' tick box and click 'Apply'.

Standard swing 3D swing zone will appear in a Blue Colour and will be only shown on the swing side as standard.



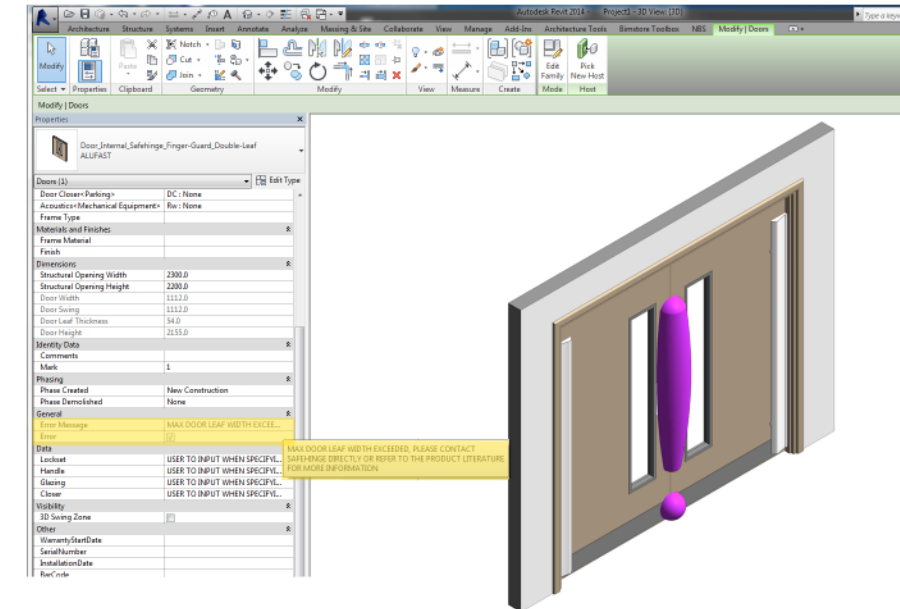
Properties	
Door_Internal_Safehinge_Finger-Guard_Double-Leaf ALUFAST	
Doors (1) Edit Type	
Constraints	
Construction	
Materials and Finishes	
Dimensions	
Structural Opening Width	2300.0
Structural Opening Height	2200.0
Door Width	1112.0
Door Swing	1112.0
Door Leaf Thickness	54.0
Door Height	2155.0
Identity Data	
Comments	
Mark	1
Phasing	
Phase Created	New Construction
Phase Demolished	None
General	
Error Message	MAX DOOR LEAF WIDTH EXCEED...
Error	<input checked="" type="checkbox"/>



Modify Doors	
Properties	
Door_Internal_Safehinge_Finger-Guard_Double-Leaf ALUFAST	
Doors (1) Edit Type	
Constraints	
Construction	
Materials and Finishes	
Dimensions	
Identity Data	
Phasing	
General	
Error Message	MAX DOOR LEAF WIDTH EXCEED...
Error	<input checked="" type="checkbox"/>
Data	
Lockset	USER TO INPUT WHEN SPECIFYING
Handle	USER TO INPUT WHEN SPECIFYING
Glazing	USER TO INPUT WHEN SPECIFYING
Closer	USER TO INPUT WHEN SPECIFYING
Visibility	
3D Swing Zone	<input type="checkbox"/>
Other	
WarrantyStartDate	
SerialNumber	
InstallationDate	
BarCode	
AssetIdentifier	
Head Height	0.0

Error Messages

This component has a number of options to specify, however in some instances you cannot specify certain options together. To notify you of this there has been Rules built into the component that will make an exclamation mark (!) appear if the door is configured incorrectly. There is also a text parameter that will give a brief description of the cause of the error.



There are rules built into the error message section to limit the size of the door leaf depending on the Fire Rating that has been selected. Max Leaf Sizes for each Fire Rating is as follows:

- No Rating = 1500mm wide x 2700mm high
- FD30 = 1105mm wide x 2517mm high
- FD60 = 979mm wide x 2384mm high

Additionally, when selecting the doors fire or acoustic rating this will automatically change the thickness of the door leaf. See below for details:

- 44mm thick Door Leaf = NFR / FD30 & No Acoustic Rating / 30dB / 32dB
- 54mm thick Door Leaf = FD60 & 35dB / 38dB

Additional Data

Where applicable, there is the availability to specify the name of various components that will be supplied along with the Safehinge finger guard to your site. you can enter any relevant information and any details you may find useful for future reference.

Data	
Lockset	USER TO INPUT WHEN SPECIFYING
Handle	USER TO INPUT WHEN SPECIFYING
Glazing	USER TO INPUT WHEN SPECIFYING
Closer	USER TO INPUT WHEN SPECIFYING
Visibility	
Data	
Frame Material	USER TO INPUT WHEN SPECIFYING
Door Core	USER TO INPUT WHEN SPECIFYING
Delivery Partner Rep Contact	USER TO INPUT WHEN SPECIFYING
Delivery Partner	USER TO INPUT WHEN SPECIFYING

Select the component and Navigate to the Properties Dialogue Box and find 'Data' you can then enter the information. There are additional fields found by selecting the component and selecting 'Edit Type'. navigate to the 'Data' section in the window.

Notes:

You can add the Safehinge component to your component template file to ensure it is preloaded when starting new projects in the future.

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