CTC SOFTWARE

A SYMETRI COMPANY

CTC SuperDoor™ Configurator User Guide

Contents

Suite Overview

The products from CTC Software offer many utilities for enhancing the productivity of users of Revit® software from Autodesk®. Revit users launch these tools from within the Revit software.

Although written to function correctly with the international community in mind wherever possible, CTC Software products are currently only tested on English USA versions of Revit running on English USA versions of Windows.

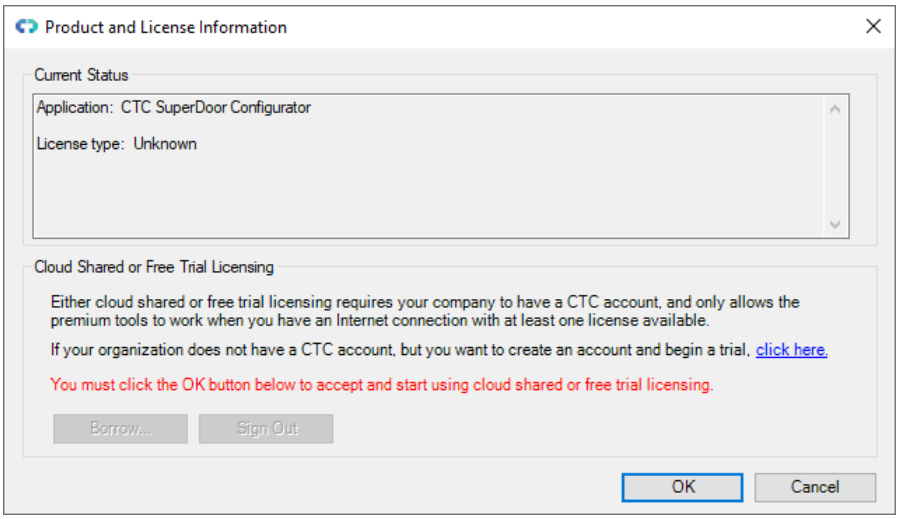
Installation and Configuration

The standard workstation installation requires little more than running the setup program. For more information regarding topics such as automating workstation installations and preconfiguring workstation settings, please refer to the *CTC BIM Suites Installation and Configuration Guide* document.

License Activation and Management

The productivity tools provided with light background colors are free tools that run without any special licensing. The productivity tools provided with dark background colors are premium tools which require licensing.

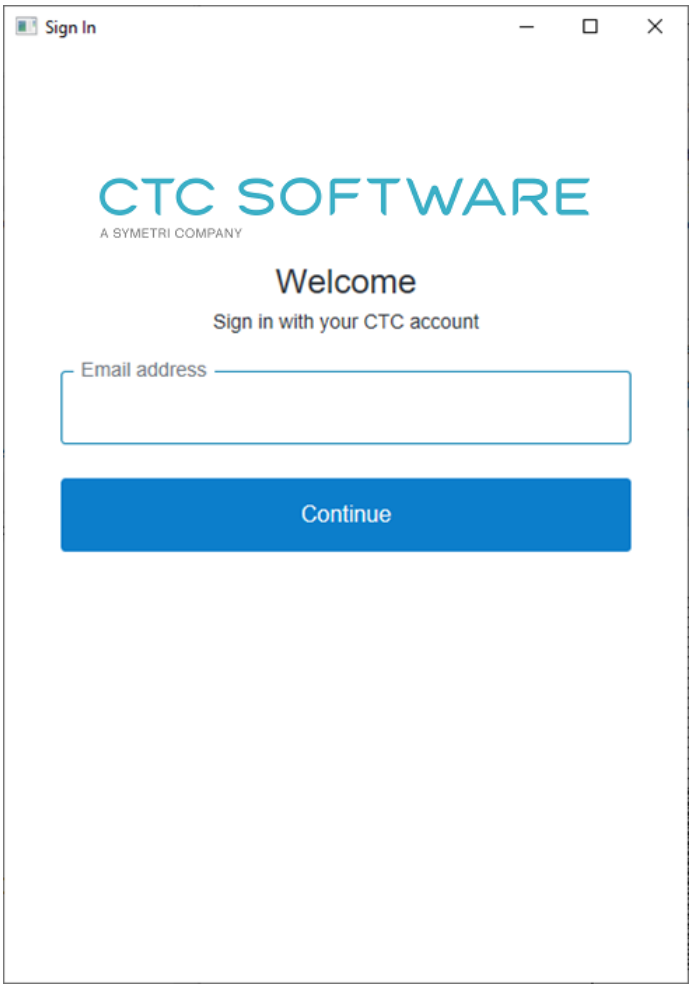
Unless initially preconfigured by the system administrator, the first time any of the licensed tools are launched from the Revit ribbon, the *Product and License Information* dialog will appear which requires acknowledging the licensing requirements by clicking the OK button at the bottom.



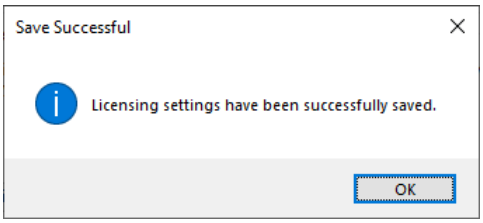
CTC Software products support only cloud-shared licensing, and also free trial licenses that use CTC's cloud licensing engine. You must click the OK button to activate the cloud licensing and acknowledge using a CTC cloud account.

The licensing will automatically apply to all of the tools that are included in the suite which require licensing. So once the first tool has configured the licensing, the other premium tools in the suite will automatically use the same configuration.

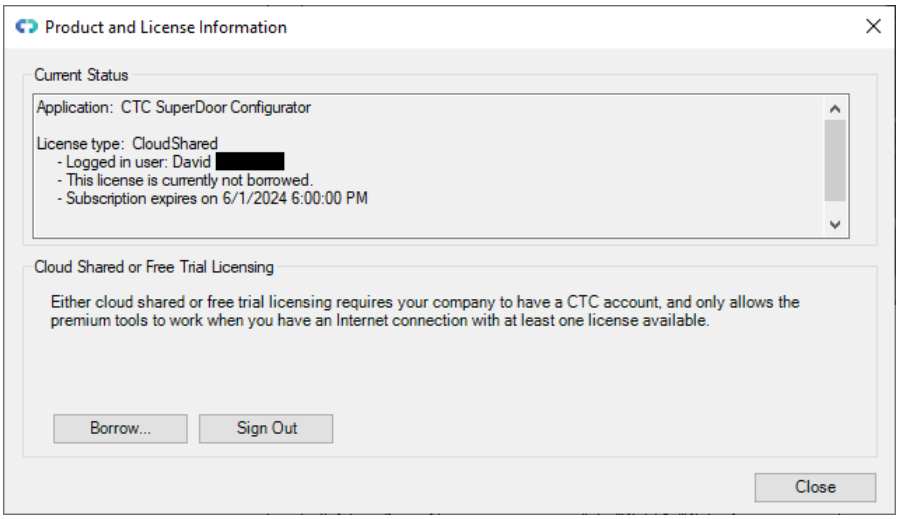
Once you click the OK button, you may be asked to login, if you aren't already logged in from using another CTC product:



Either way, once you have logged in, the product will be configured for cloud shared licensing:



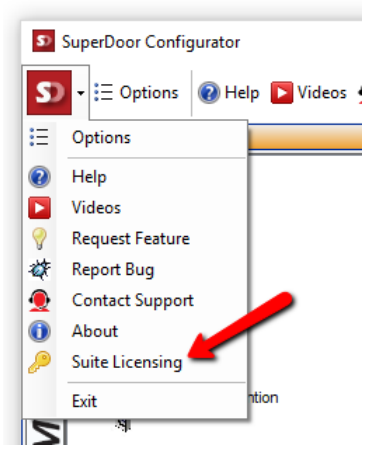
and the licensing screen will be updated to show that:



At this point, you may borrow a license for offline use (if permitted by the administrator). You may also Sign Out from the cloud licensing system in case a different user needs to sign in on this computer.

Changing Licensing at Any Time

Licensing can also be changed at any time using the "Suite Settings" tool, which is discussed below, or by using the "Suite Licensing" menu choice in the licensed add-in tools:



Borrowing a Cloud Shared License

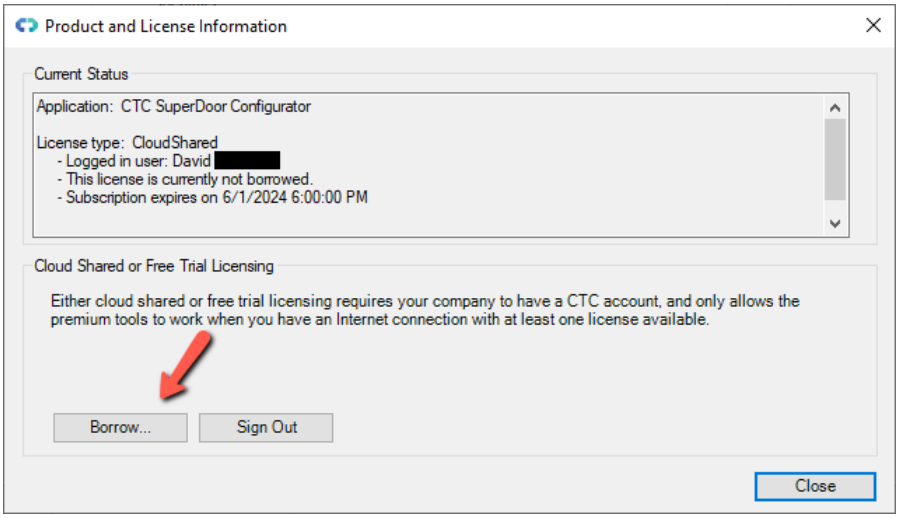
If a license is needed in anticipation of being disconnected from the Internet, borrowing a license can ensure that the CTC tools are available for use when offline.

IMPORTANT: For normal use of the software, where you have a standard Internet connection, you DO NOT need to borrow a license. Borrowing a license is normally only needed when you know you will need to use the software at a time when you won't have a reliable Internet connection. While you have a license borrowed, that is one less shared license available to all other users.

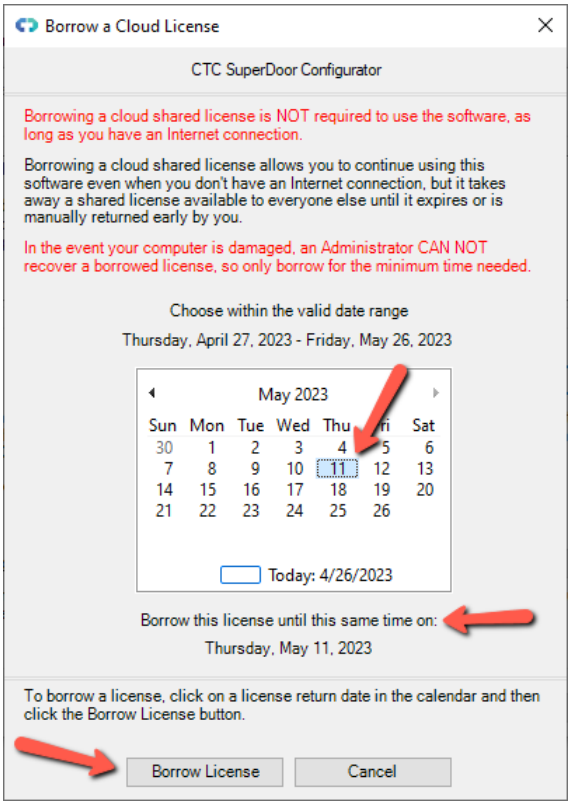
NOTE: Borrowing is only available for purchased cloud shared licenses. **Borrowing is not available for trial licenses.**

IMPORTANT: In the event your computer is lost, stolen or damaged (e.g. a hard drive crash) **an administrator CAN NOT recover a borrowed license.** In that case, the license will be unavailable to all users until the borrow period has naturally expired. *As such, you only want to borrow a license for the barest minimum amount of time needed.*

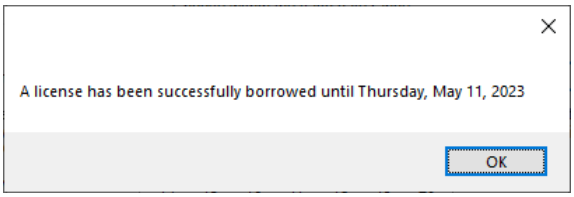
Begin by opening the *Product and License Information* screen from either the main pulldown menu of a premium tool, or from the Suite Settings add-in. From here, click the 'Borrow…' button to begin the process of choosing the length of time to borrow a Cloud Shared license.



The date selector should appear:

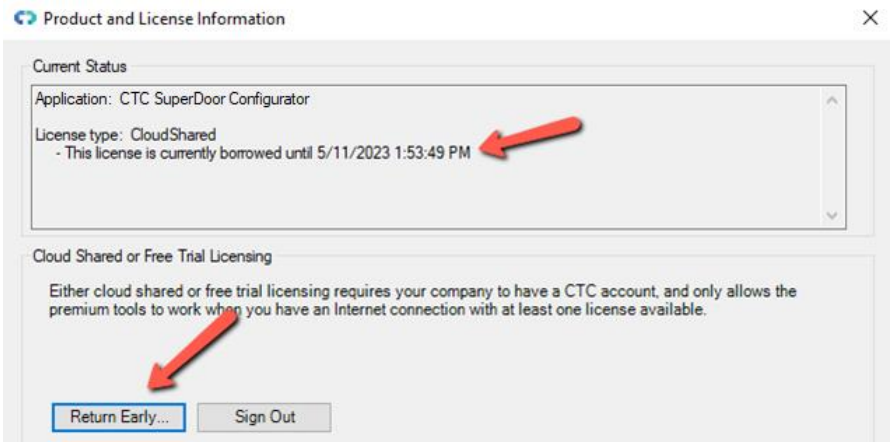


Confirm the date selection and click the *Borrow License* button. A success message should appear.

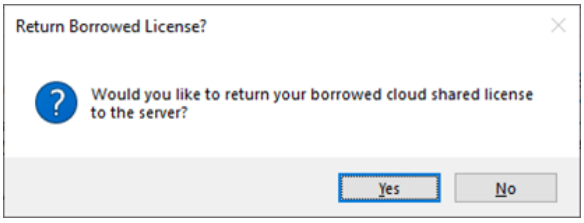


Returning a Borrowed Cloud Shared License Early

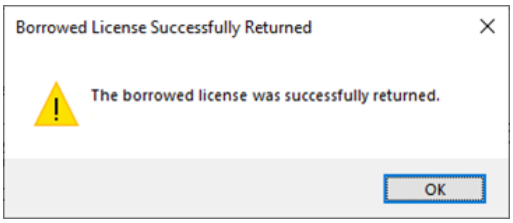
To return the license early, in the *Product and License Information* form, find the *Return Early…* button and click it.



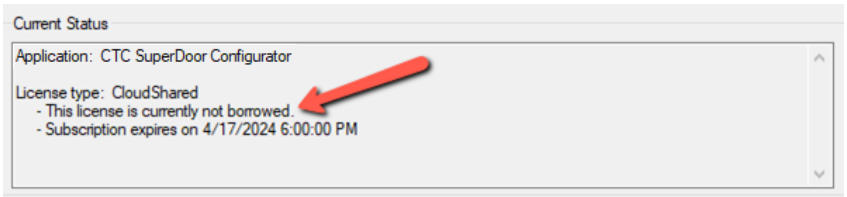
A prompt will appear confirming that the license should be returned.



Click the Yes button, then you should see:



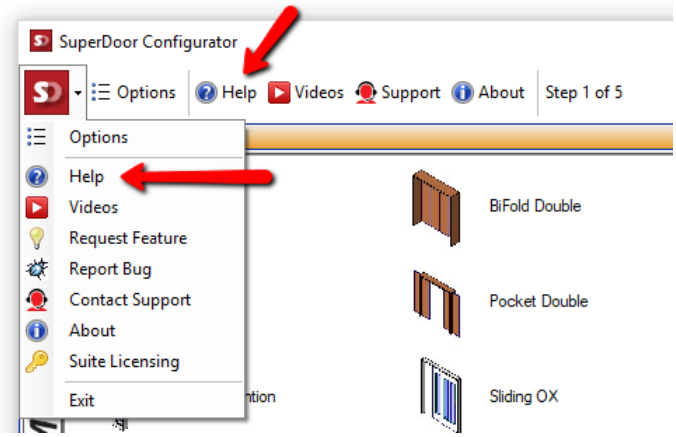
The license status should now show a ‘not borrowed’ message.



Common Toolbar and Menu Buttons

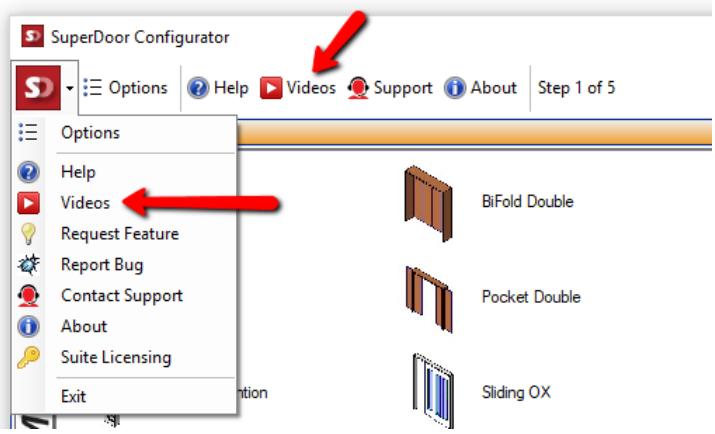
Getting Help

In the toolbar, clicking the “Help” button will display this user guide.



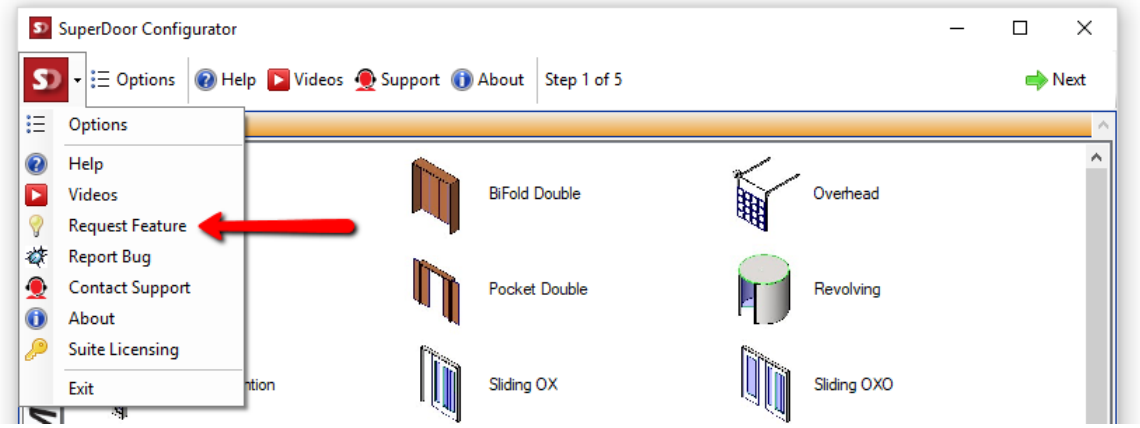
Getting More Help: Videos

An alternate source of help is to click on the Videos button, which will display a list of tool-specific videos in your web browser.



Submitting a Feature Request

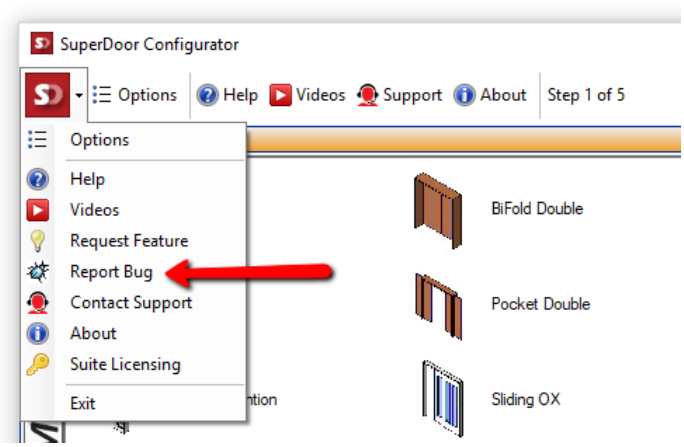
If you have an idea for enhancing a feature or would like to see a new feature added to the software, you can either use the “Request Feature” button on the About dialog (seen below) or can access that functionality using the “Request Feature” drop-down menu choice:



Selecting this option will open the Support page on the CTC web site, which allows you to add a request for a new feature by selecting the Wish List option.

Reporting a Bug

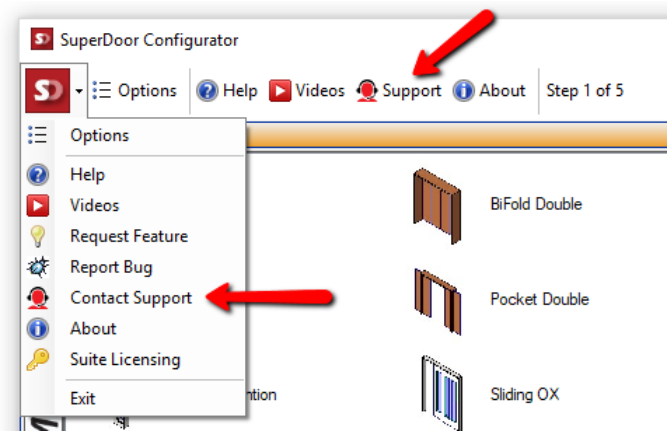
If you encounter what you feel is an issue or incorrect operation in the software, you can report this as a “bug” by either using the “Report Bug” button on the About dialog (seen below) or can access that functionality using the “Report Bug” drop-down menu choice:



Selecting this option will open the Support page on the CTC web site, which allows you to submit the information about the issue.

Contacting Technical Support

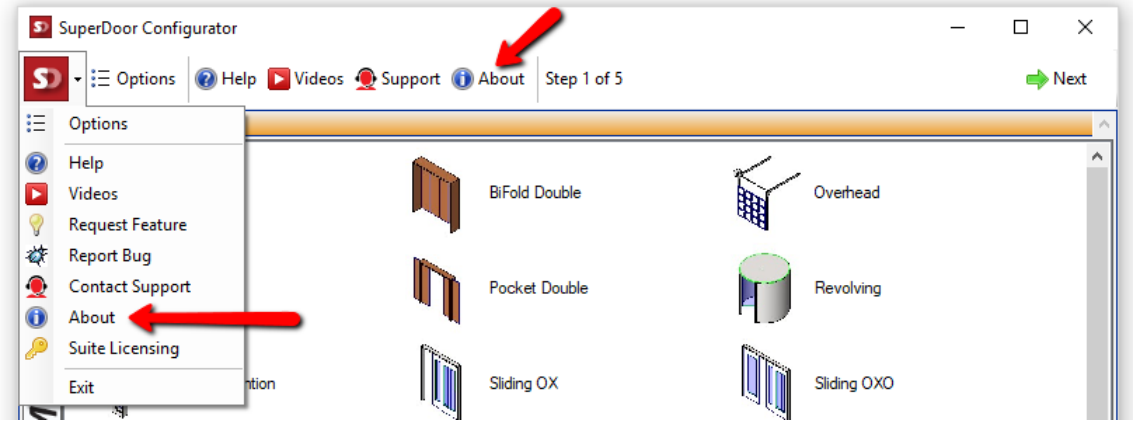
In the toolbar, clicking the “Support” button will open the Support page on the CTC web site. This button may be hidden by your system administrator.



Selecting this option will open the Support page on the CTC web site.

Getting Application Information

In the toolbar, clicking the “About” button will display a dialog which shows information about this tool.



This screen should look like this:

Suite Settings

The Suite Settings tool allows suite-level changes to be applied.

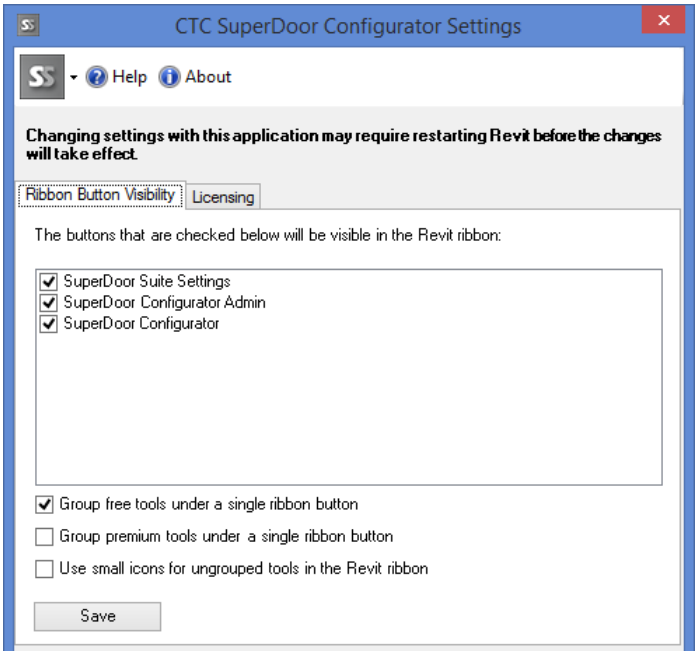
NOTE: You may need to restart Revit in order to see any changes made with this tool take effect.

NOTE: Your system administrator may disable some features of this application.

Starting Suite Settings

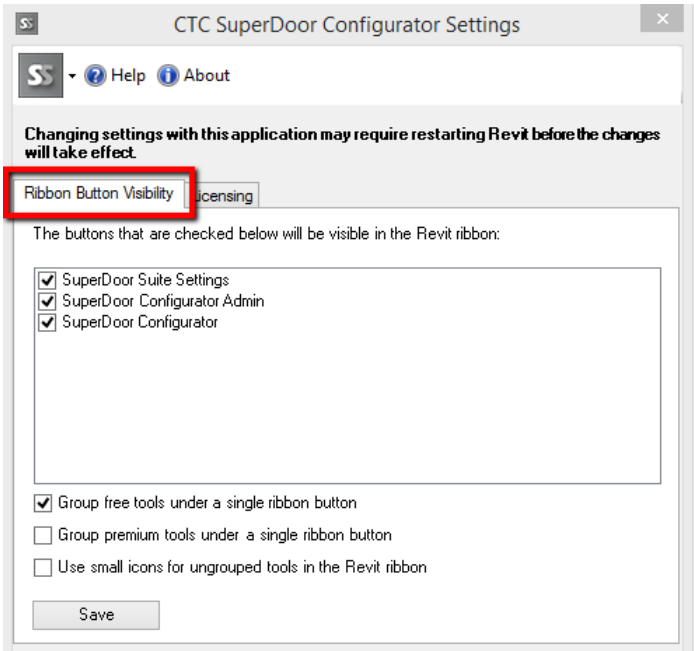
On the Revit ribbon, click on the "Suite Settings" button.

This will launch the application:



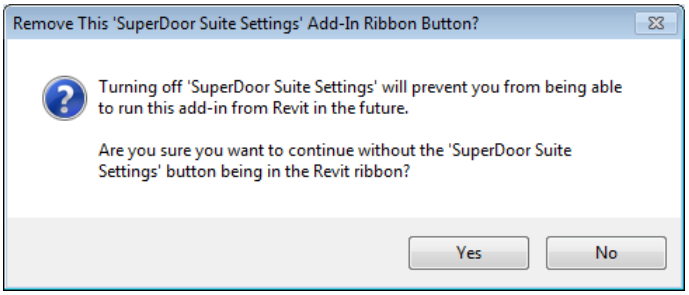
Controlling Which Ribbon Buttons are Visible and how they Appear

The first tab in the Suite Settings tool allows changing which ribbon buttons are available, if this feature has not been disabled by the system administrator. The *CTC Suites Installation and Configuration* document explains how ribbon button availability can be controlled more automatically using either configuration files or Active Directory security group definitions.



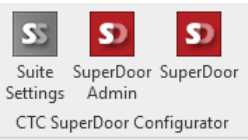
For any ribbon buttons that you don't want to have available, simply clear the checkmark by their name and then click the "Save" button.

If you turn off the button for this application itself, the following dialog will appear when you try to save that change:



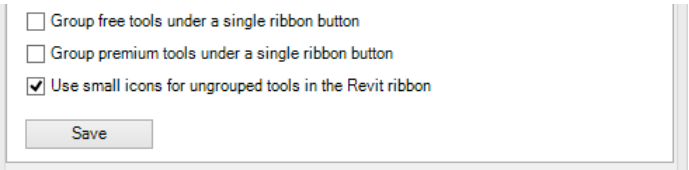
Selecting the grouping checkboxes near the bottom of the dialog will condense the tools into a dropdown button.

This is the default configuration when the tools are installed on a new computer:

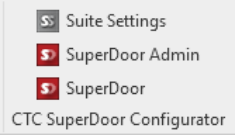


Note that if only one tool within a group is visible, the button for that tool will be placed directly on the panel.

Selecting the "Use small icons for ungrouped tools in the Revit ribbon" checkbox can save some ribbon space for ungrouped tools. For example, these settings:

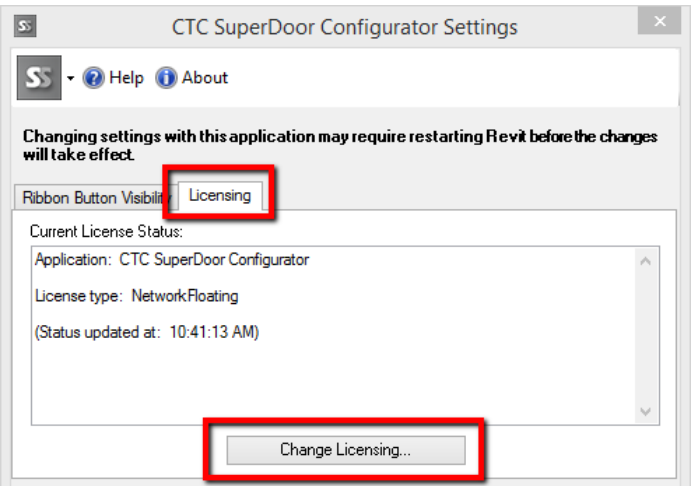


result in this:

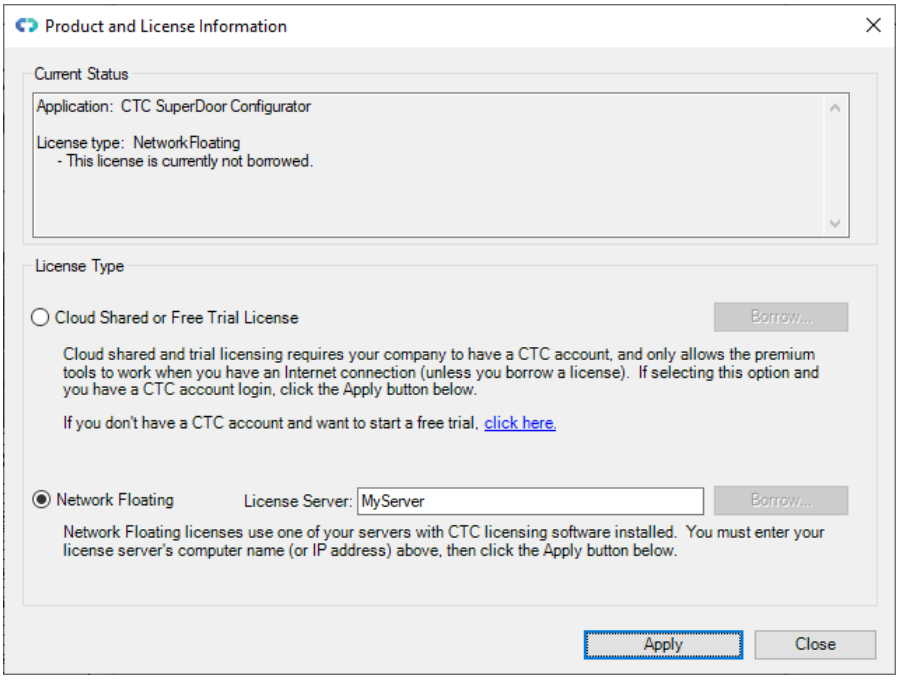


Seeing and Changing License Status

The second tab allows seeing the current license status and changing the licensing:



The top portion of this screen shows how the licensing is currently configured for this suite. Clicking the "Change Licensing…" button will show the dialog that allows changing how the suite is licensed:



For more information on how the *Product and License Information* dialog works, please review the "License Activation and Management" section of this document, above.

SuperDoor

Introduction

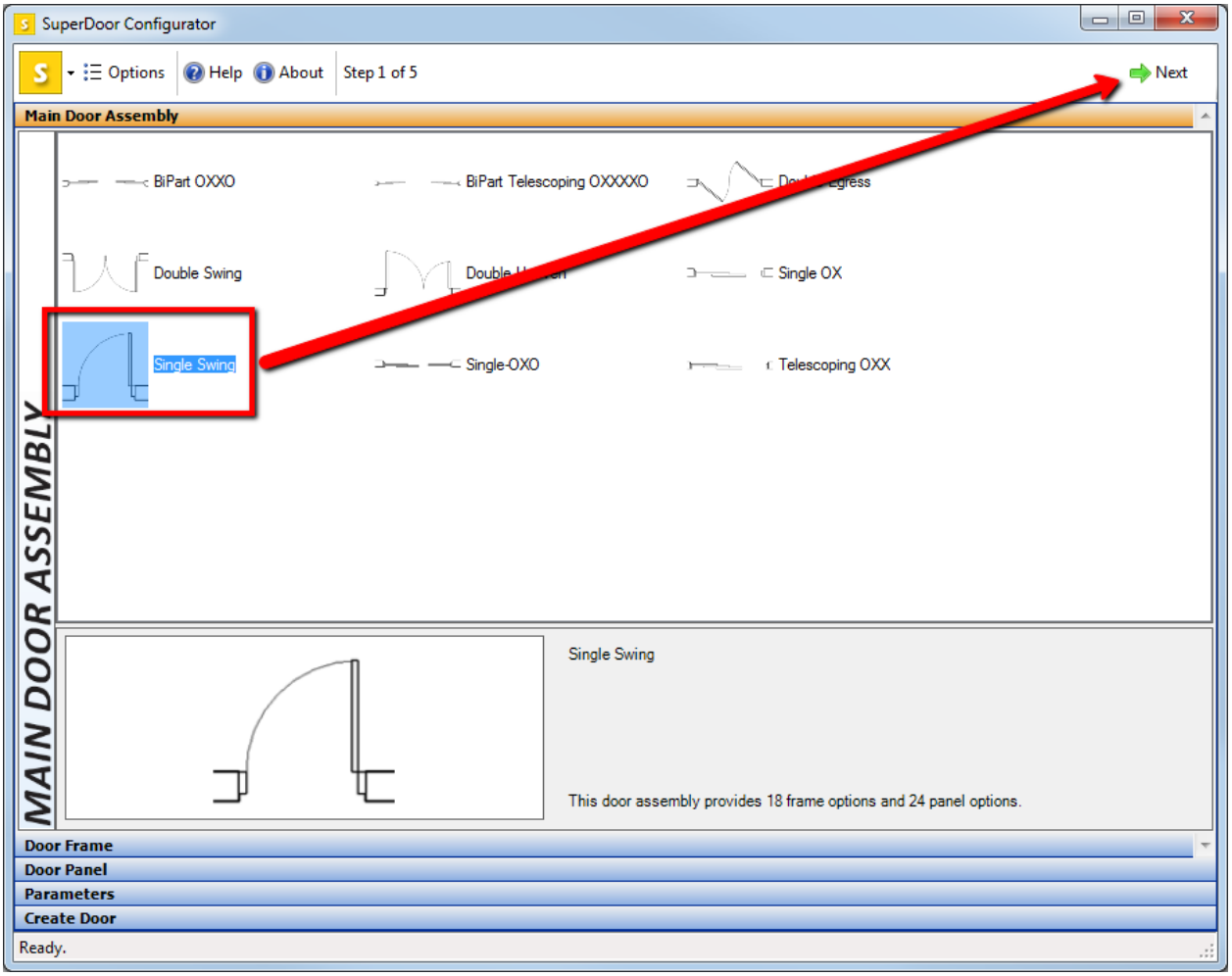
The SuperDoor add-in allows configuring a new door and loading into the current project by using families that have been configured by an administrator using the SuperDoor Content Manager tool.

Opening SuperDoor

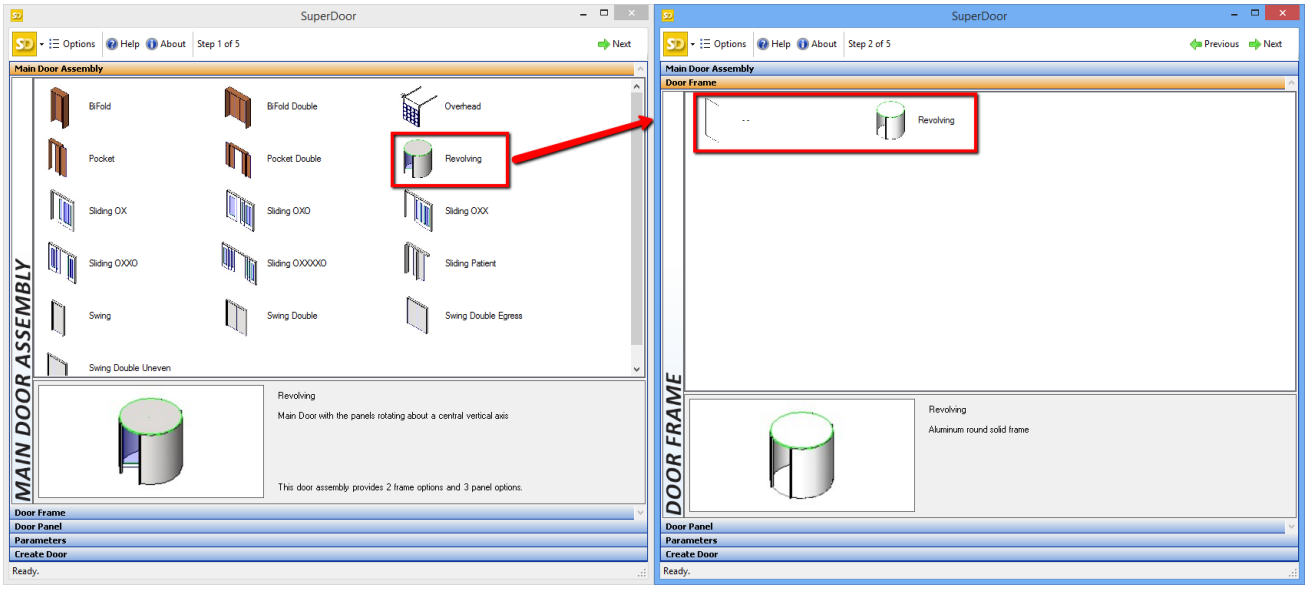
On the Revit ribbon, click on the “SuperDoor” button.

Building a Door

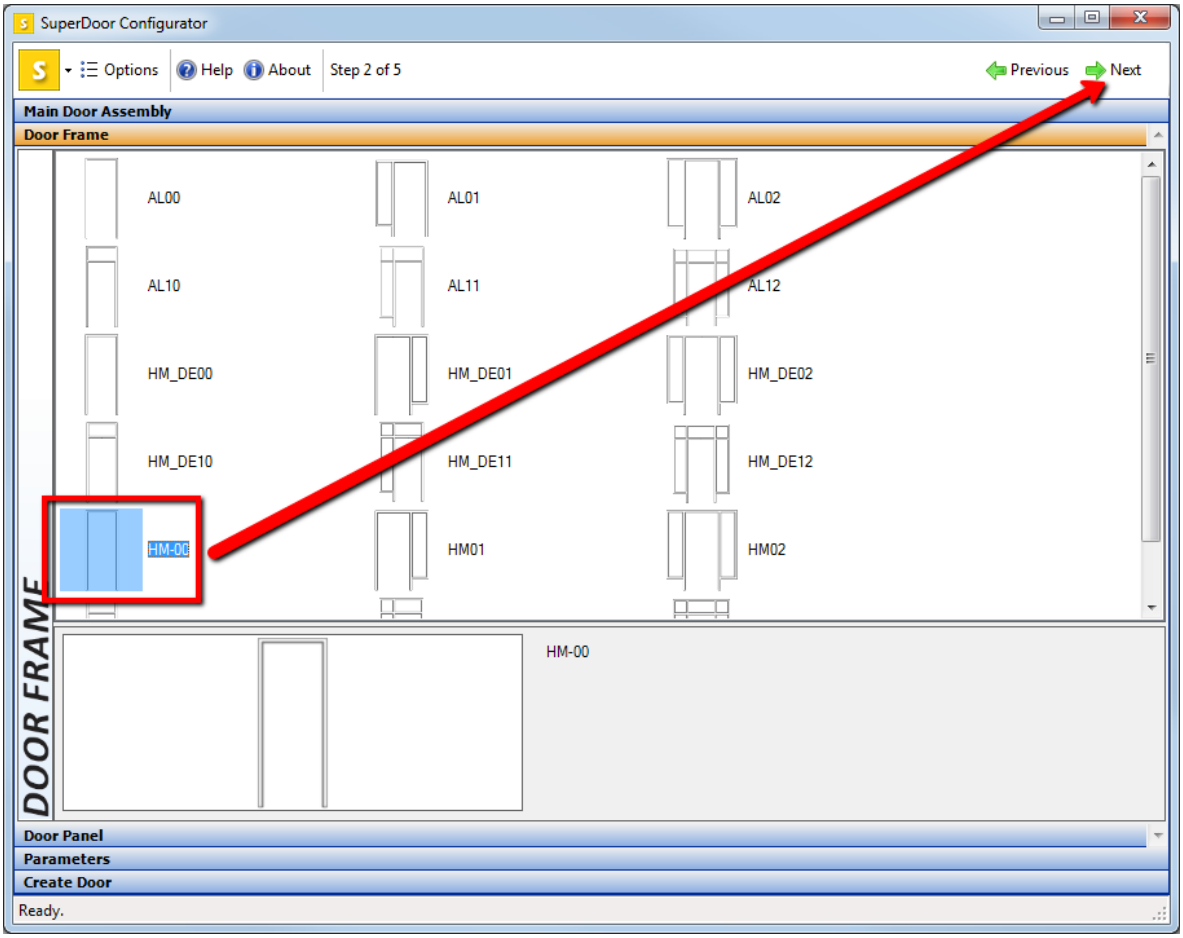
The first step in building a door is selecting the assembly. The assembly governs the type of door to be created, for example a single panel swing door or a telescoping bi-part door. To choose an assembly either select the desired assembly and click the “Next” button, or double click on the desired assembly.



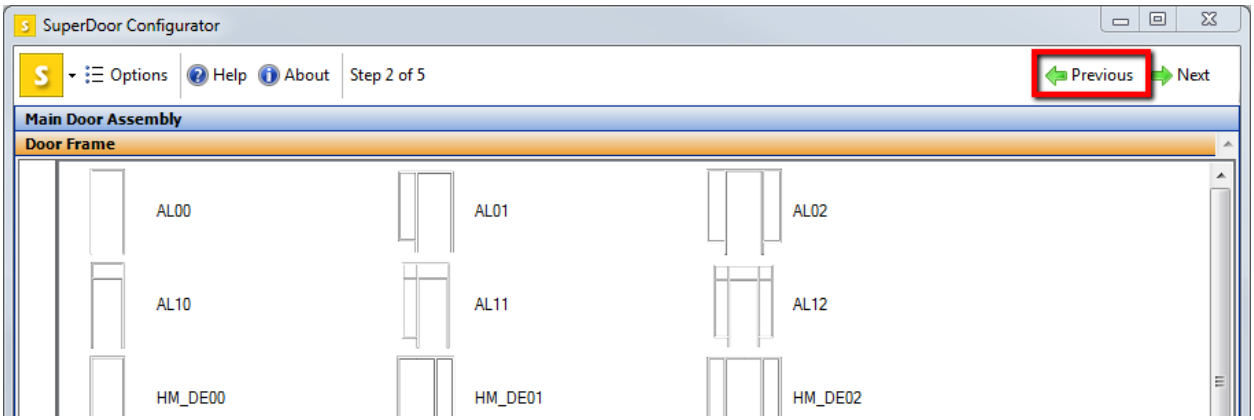
Depending on the assembly selected different Panels and Frames will become available. For example, a revolving door will only show the revolving door panels.



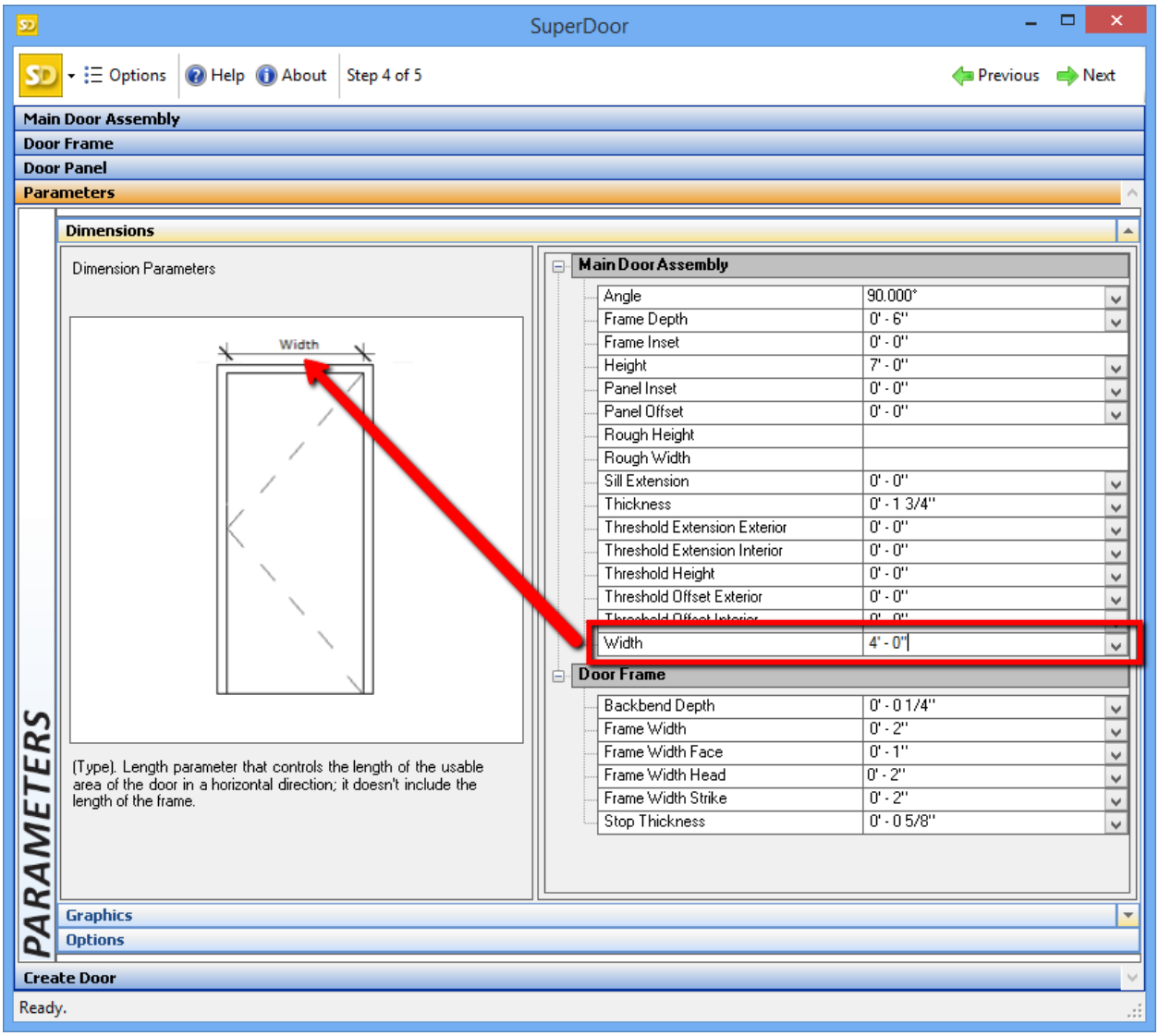
The door and panel selections work the same as the assembly, select the desired Frame/Panel and click next or double click on the desired frame/Panel.



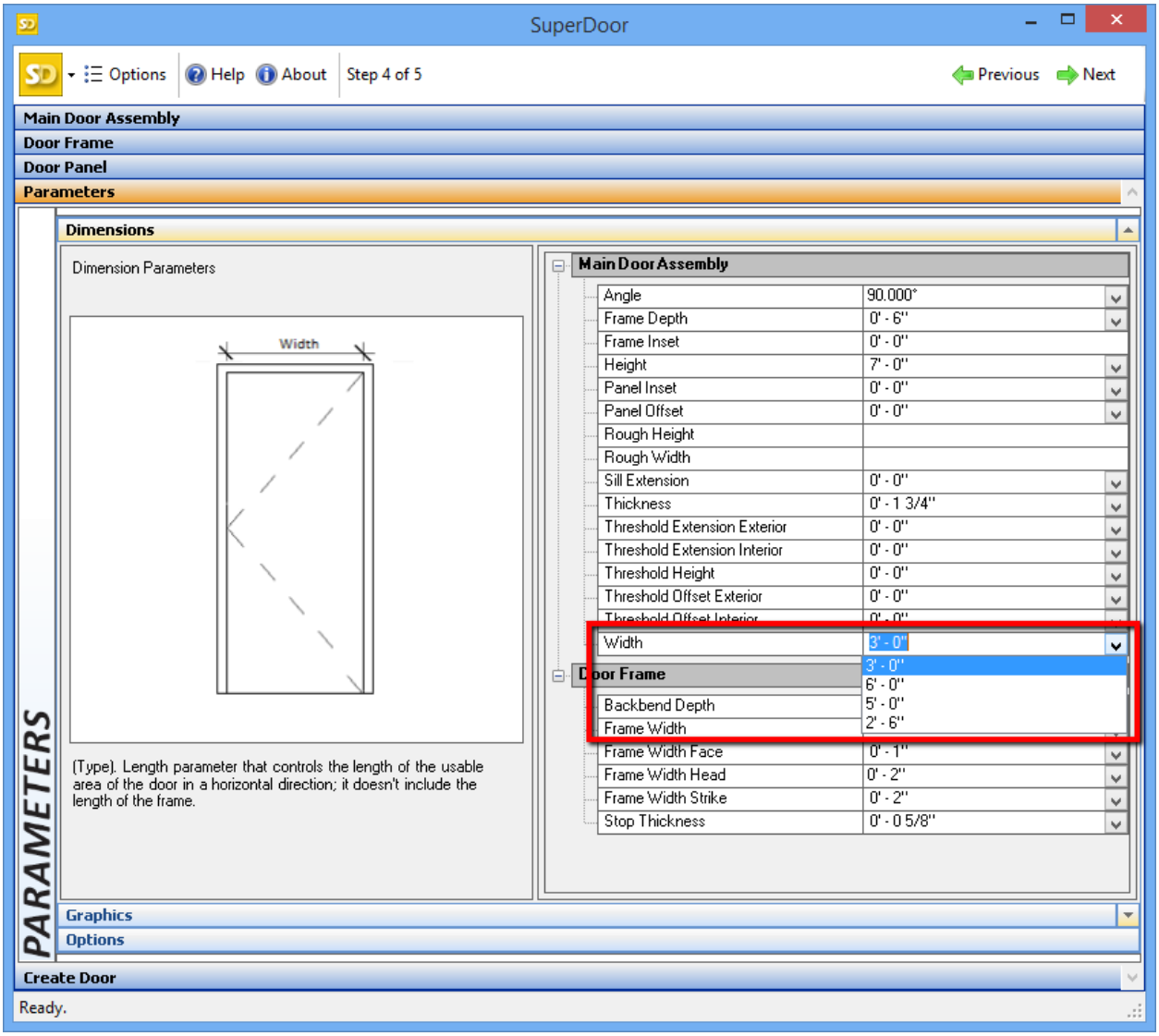
Note that at any time the previous selection panes can be revisited to make alternate selections.



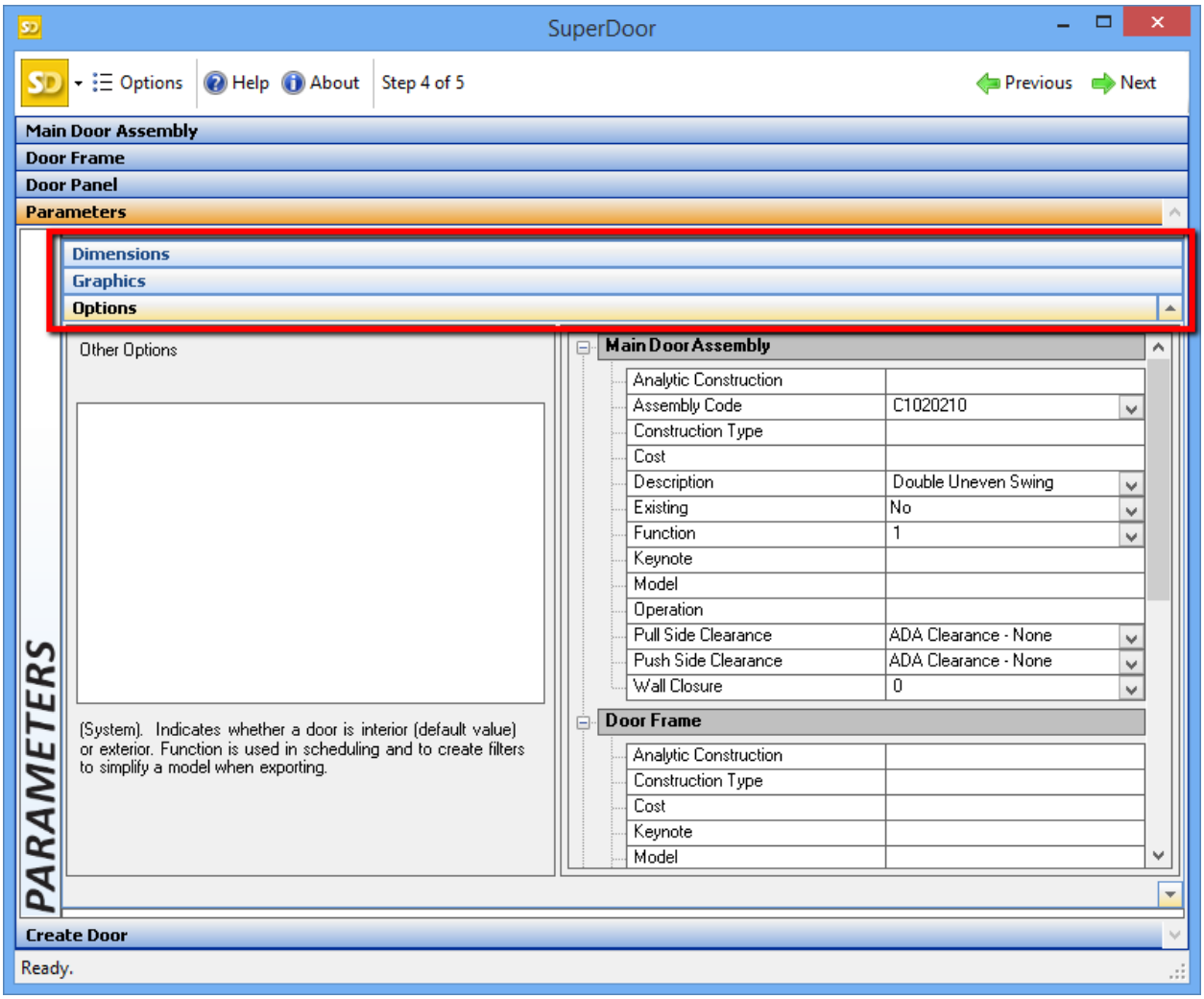
Once the selection of the assembly, Frame and Panel are complete, the "Parameters" pane is used to set the individual parameter values for the door. As parameters are selected, preview images can be displayed to indicate how altering the value will affect the family. In the example below the "Width" parameter is being modified.



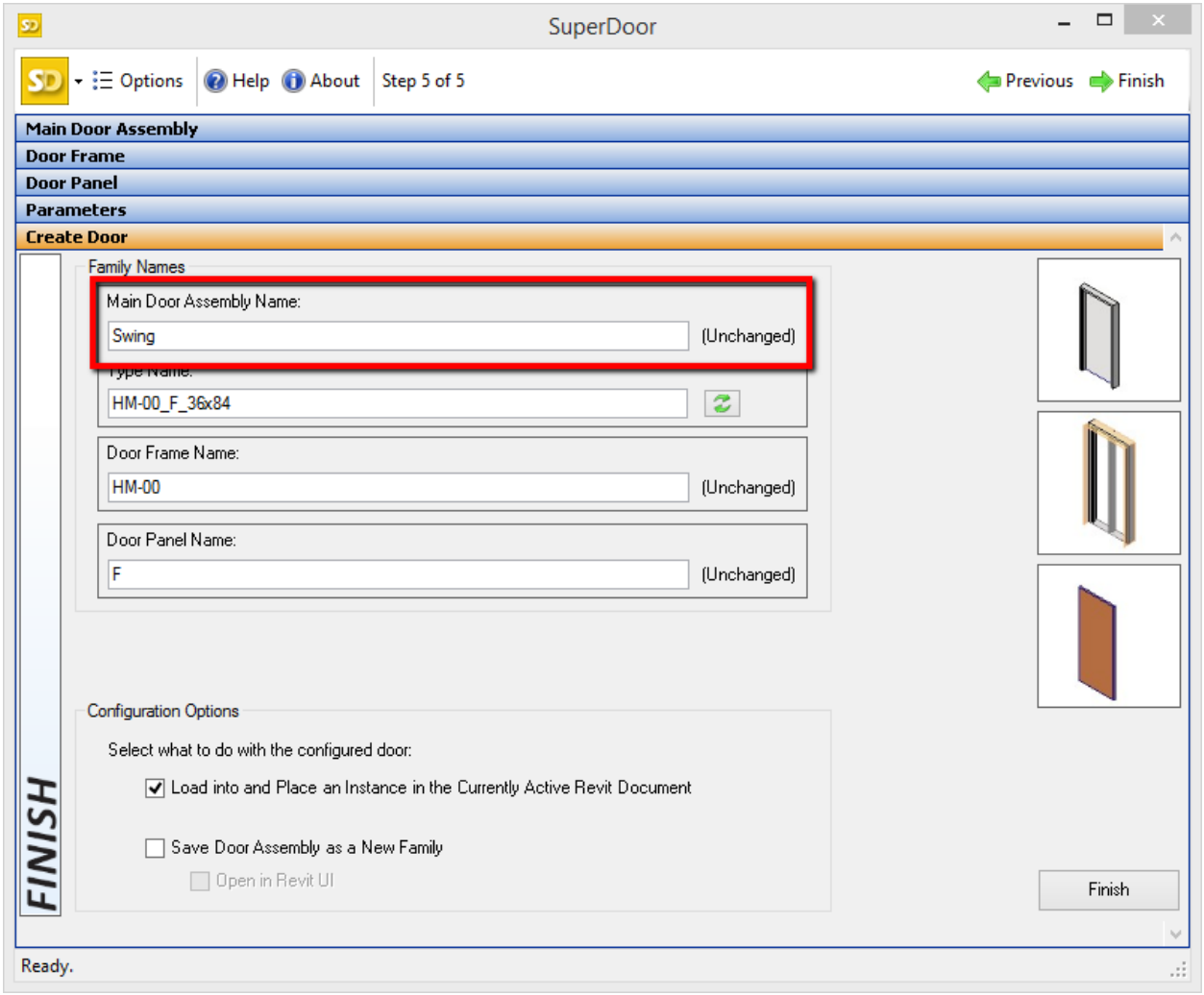
The dropdown options on each parameter are populated with values from the types that existed in the corresponding family. These values can be selected for re-use, or new values can be entered (as in the example above).



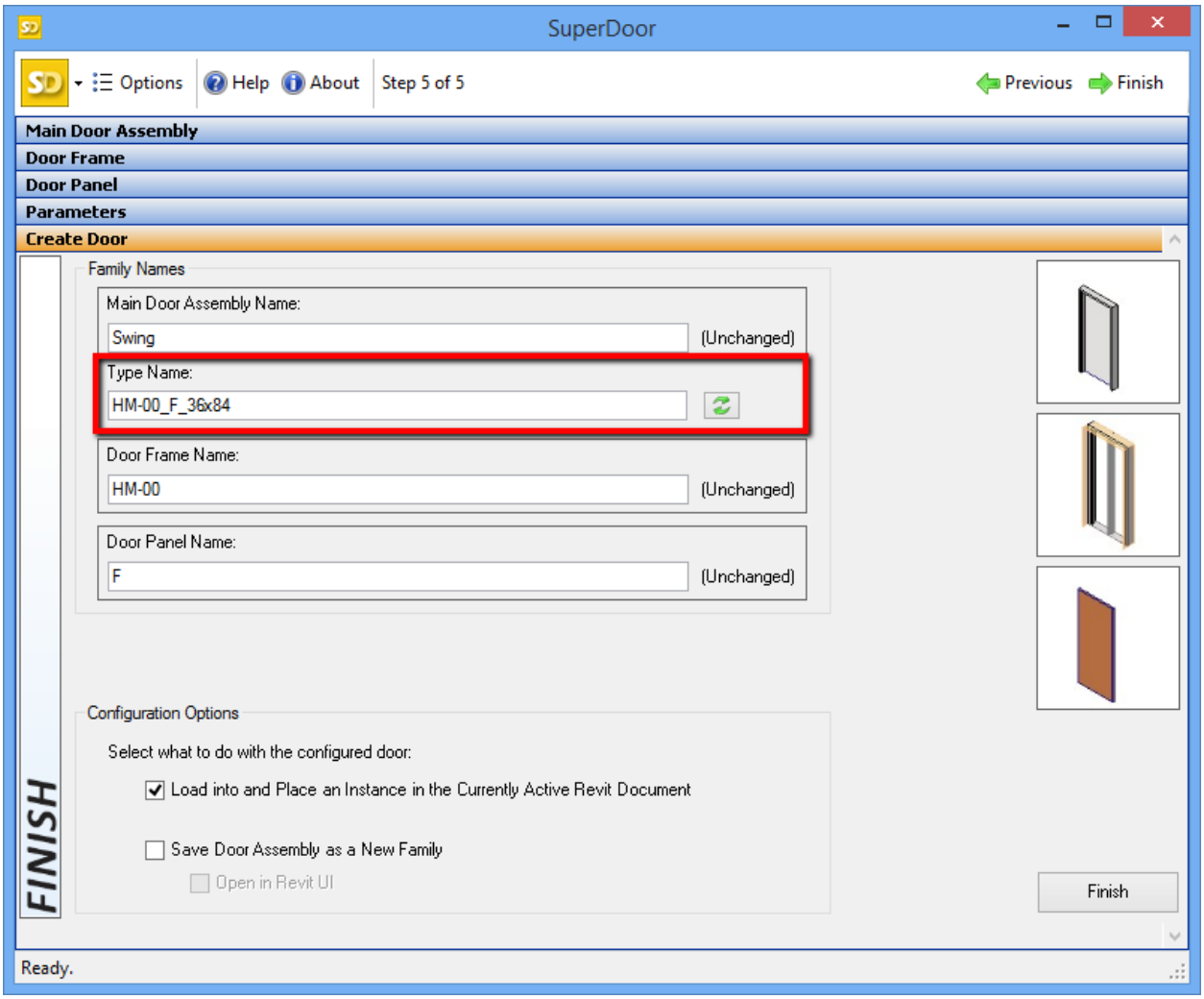
There are several sub-tabs under parameters, by default they are Dimensions, Graphics and Options however up to 9 levels of organization can be configured by the SuperDoor administrator.



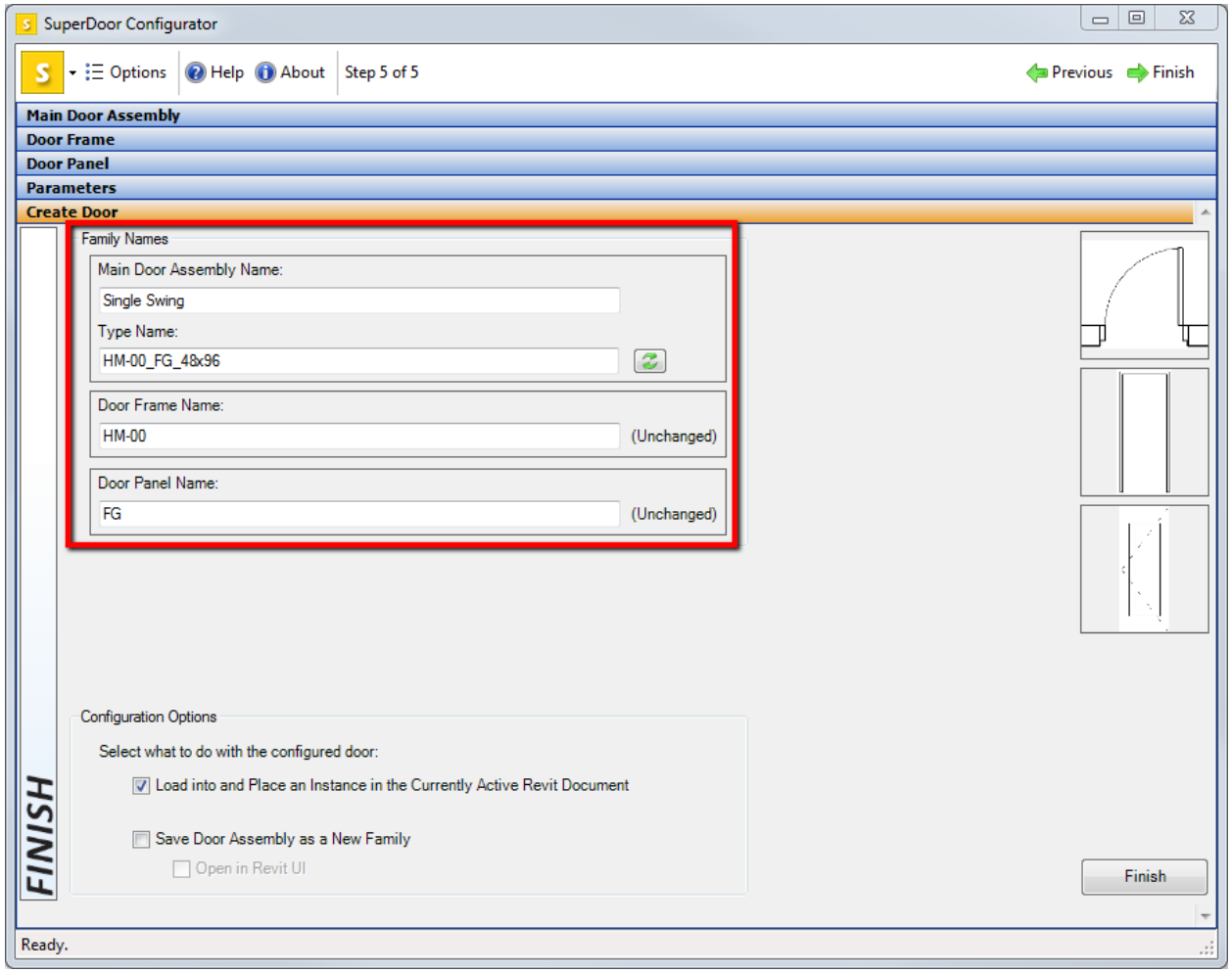
Once all parameter values have been set as desired, click the “Create Door” panel or the “Next” button to continue. This tab provides options for family and type naming. By default the family name is determined by the assembly that was selected on the first tab.



The default type name is a combination of the panel, frame, width & height values. Seed names have been configured for each family in the database (for example the “F” for Flush Panels above). The default seed name values can be modified by the SuperDoor Administrator.



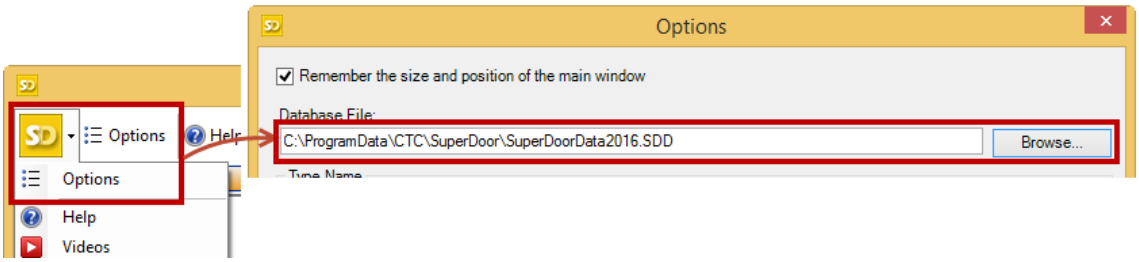
To update the type name using the default format, enter the new desired value for either the Door Frame Name or Door Panel Name



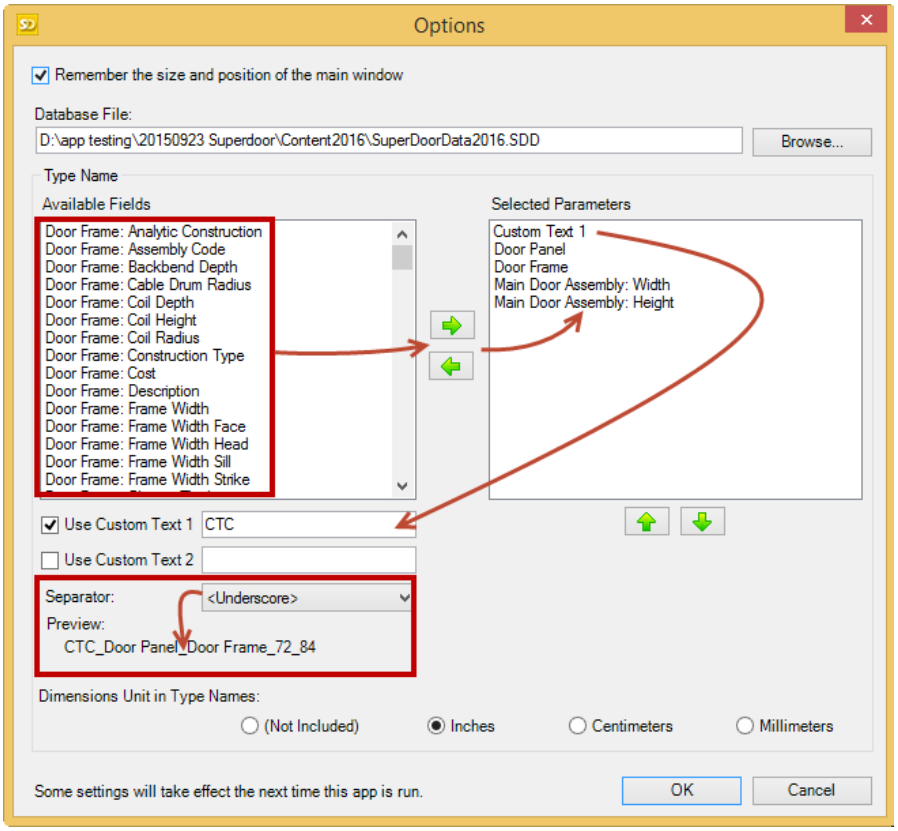
The configured door can be loaded into a project and/or saved to a folder location. Select the desired options and click finish. If the option to load the door into a project was selected, placement of the new door will be initiated automatically.

Configurator Options

To use a configuration database, it must be specified in the application options.



Parametric type naming can also be configured here. The Configurator allows selecting and ordering of the family parameters whose values will be used for type naming. Simply double-click a parameter to instantly move one parameter from one pane to another. To move several selections, left-click each while holding the SHIFT key and use the left/right arrows to move them between panes. The right pane contains the list of parameters that will be used. The up/down arrows can be used to re-order the list.



Two custom text fields are available as well as optional separators. An example preview of the resulting name is provided below the naming options.

Specify the unit of measurement to be used for length parameters (if selected) in the type names.

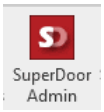
Choose OK to apply the settings. Changes to these options do not affect previously configured assemblies.

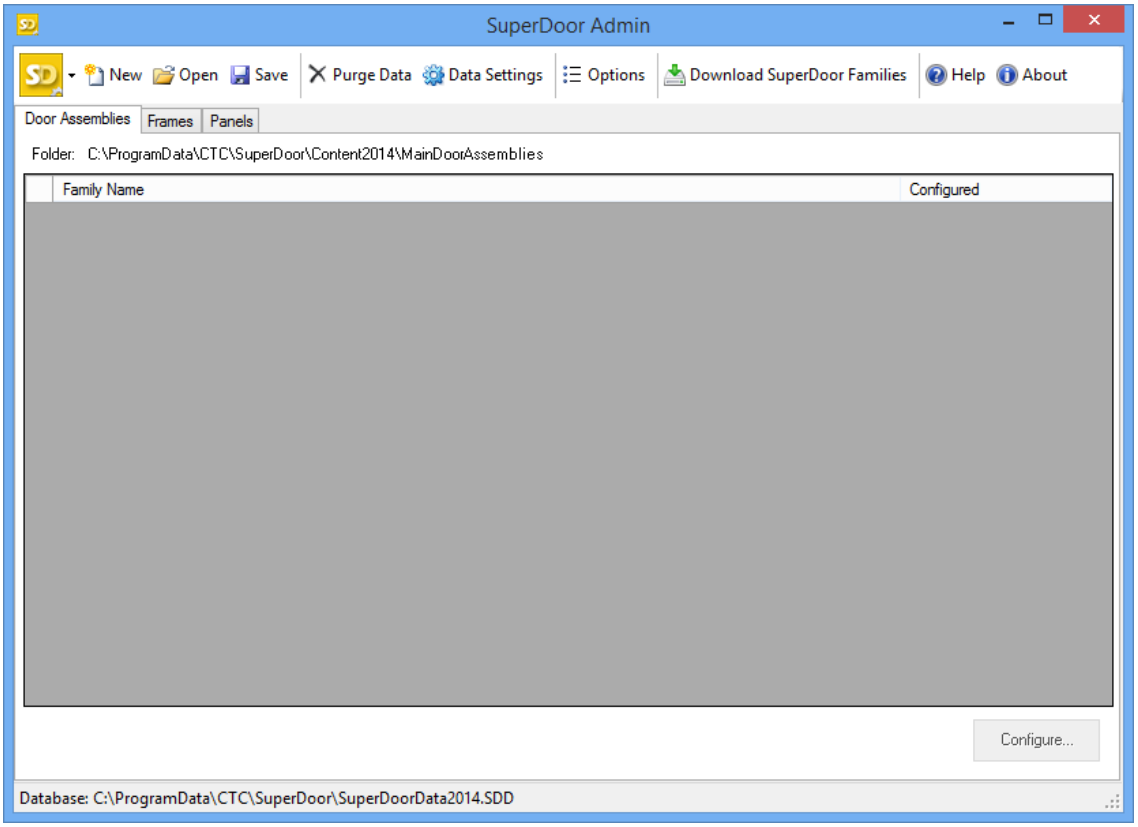
SuperDoor Admin

The SuperDoor Admin tool is used to configure SuperDoor family files for use by the SuperDoor tool.

Starting SuperDoor Admin

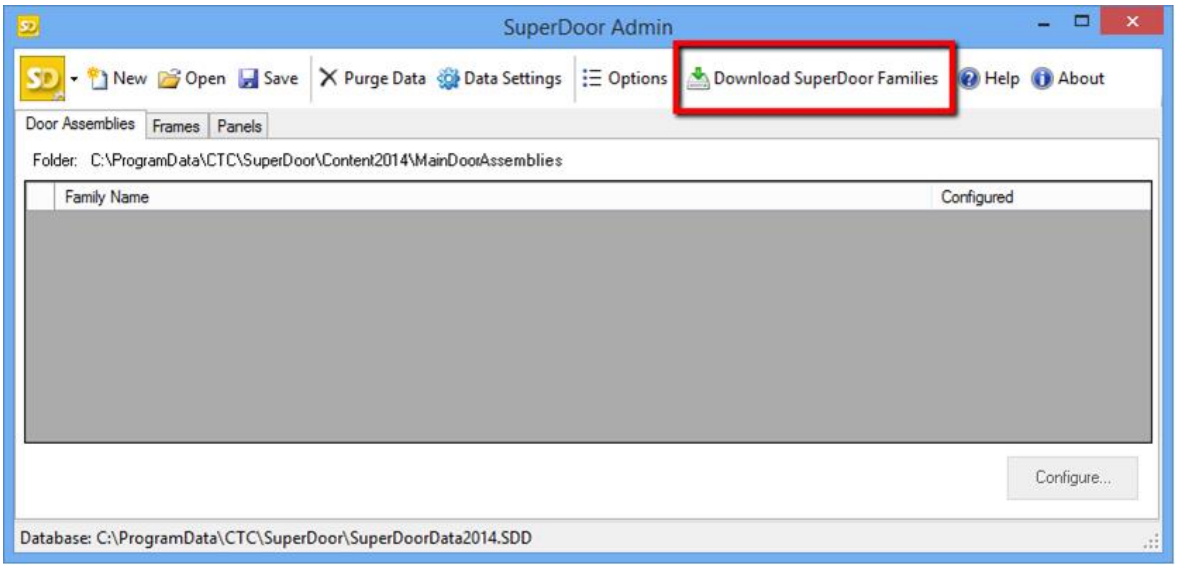
On the Revit ribbon, click on the “SuperDoor Admin” button.



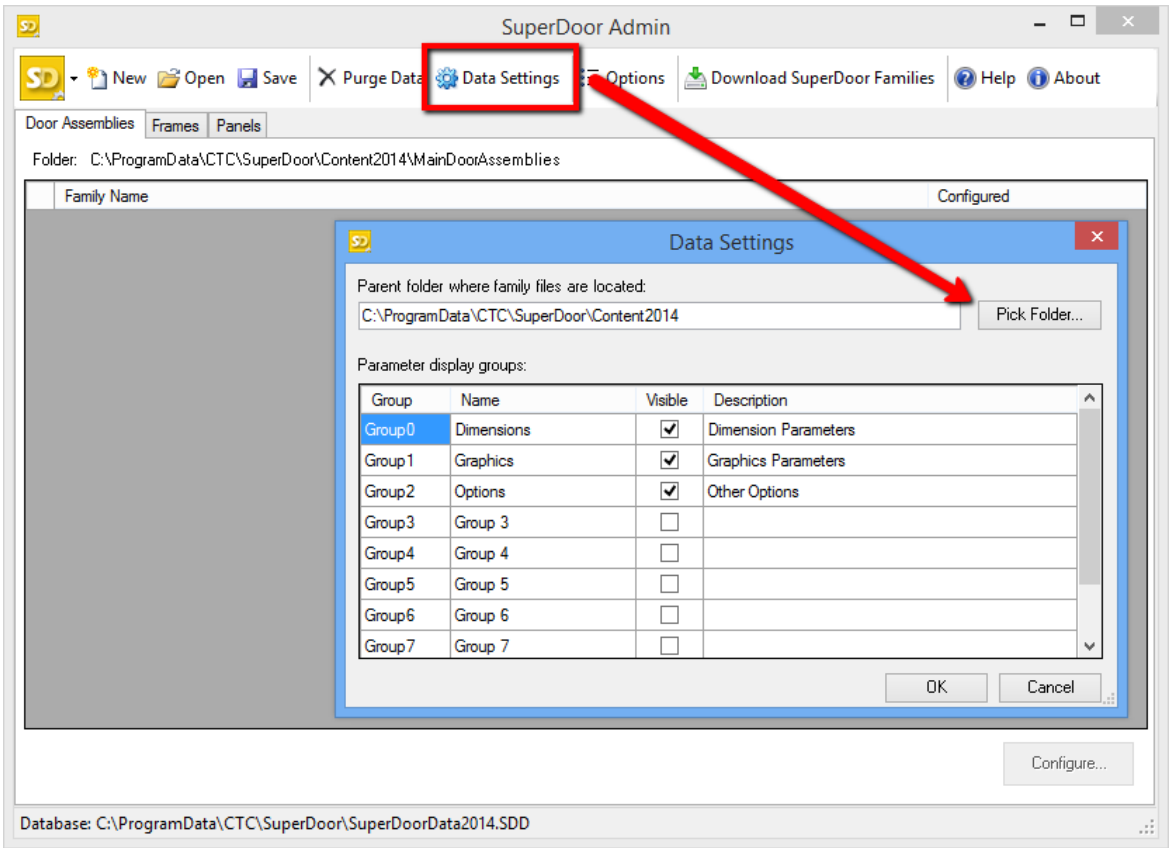


Basic Database Setup

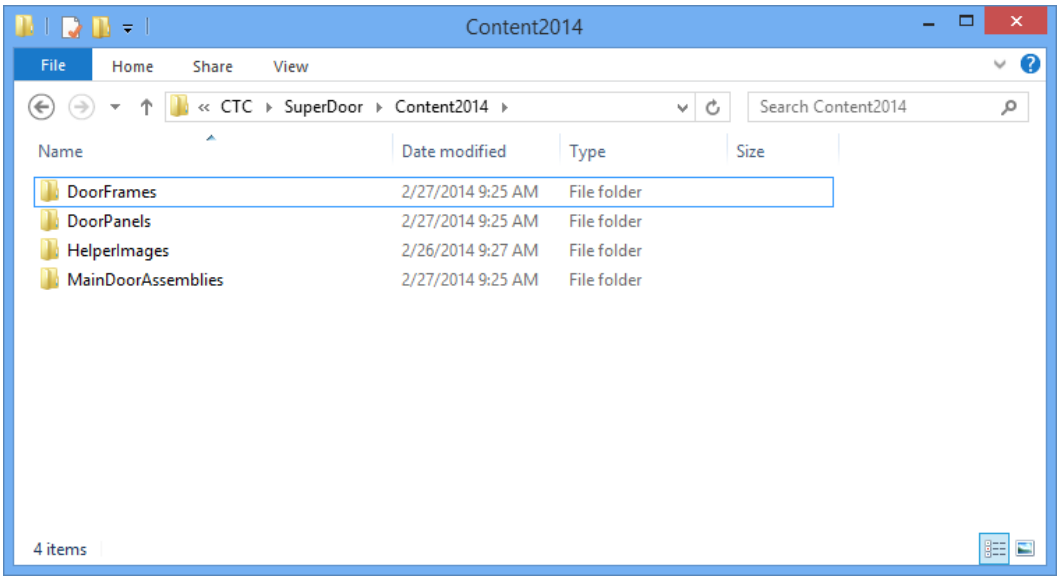
The default install does not include the SuperDoor family content. Once the SuperDoor software is licensed the "Download SuperDoor Content" button can be used to download the latest version of the family files.



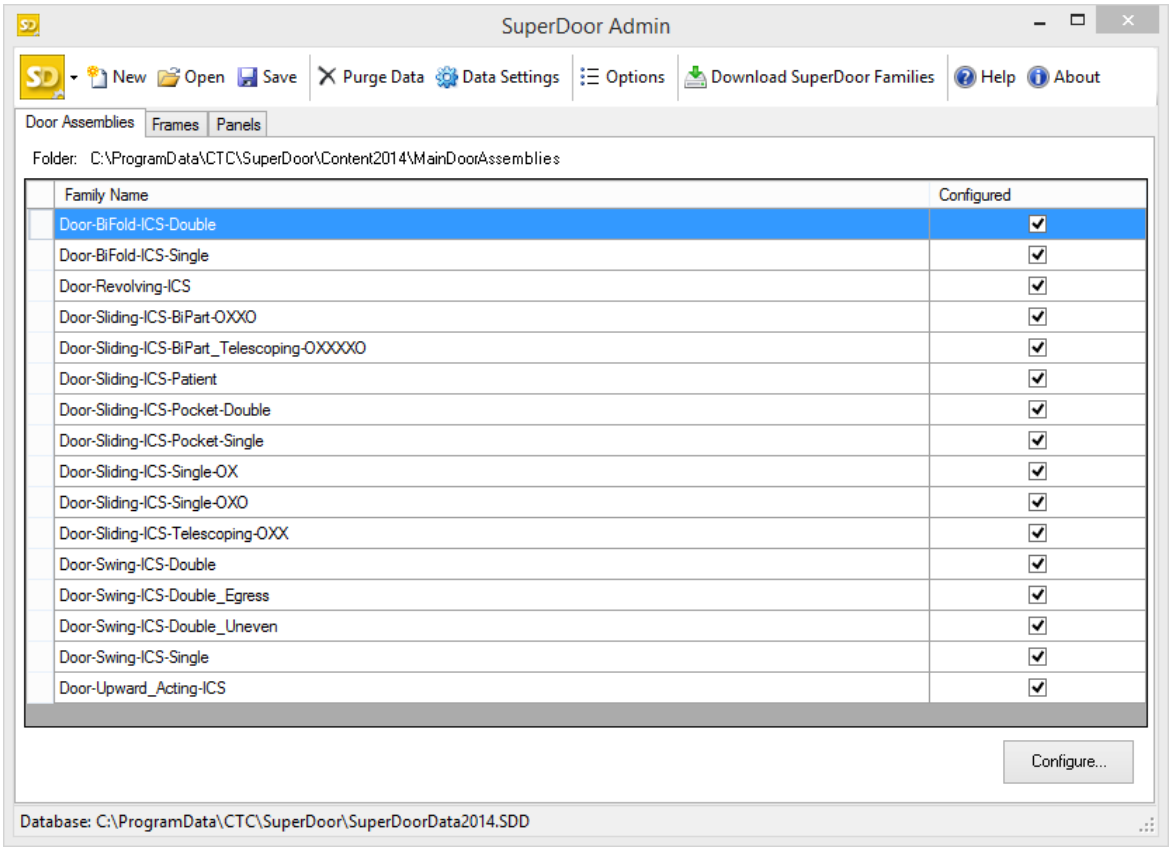
The family files, once downloaded, can be stored locally or on a network share. Click the "Data Settings" button and then "Pick Folder…" to select the folder containing the SuperDoor content.



The content folder can be placed in any location accessible to all users; however the subfolder structure must remain unmodified.



When the content has finished downloading, extract and copy it into the specified location and each piece of content will become visible in the SuperDoor Admin window.



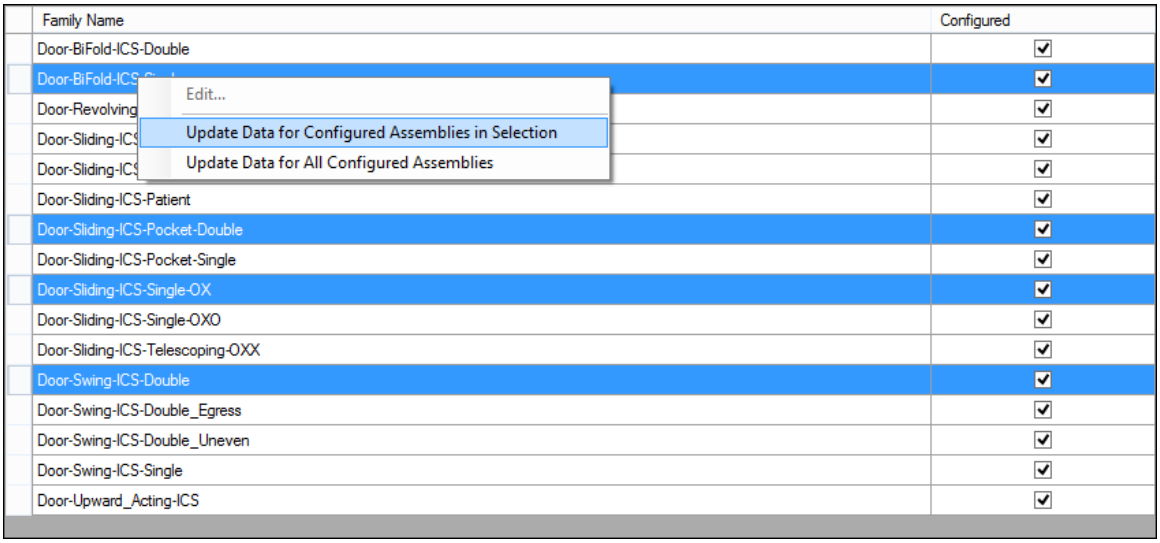
After content has been mapped, the basic configuration of the database is complete.

Content updates

If changes or updates have been made to Superdoor content families, it may be necessary to reinitialize the content in the database.

To update just one configured assembly, simply double click it in the list. For multiple assemblies, use the right-click context menu to save time:

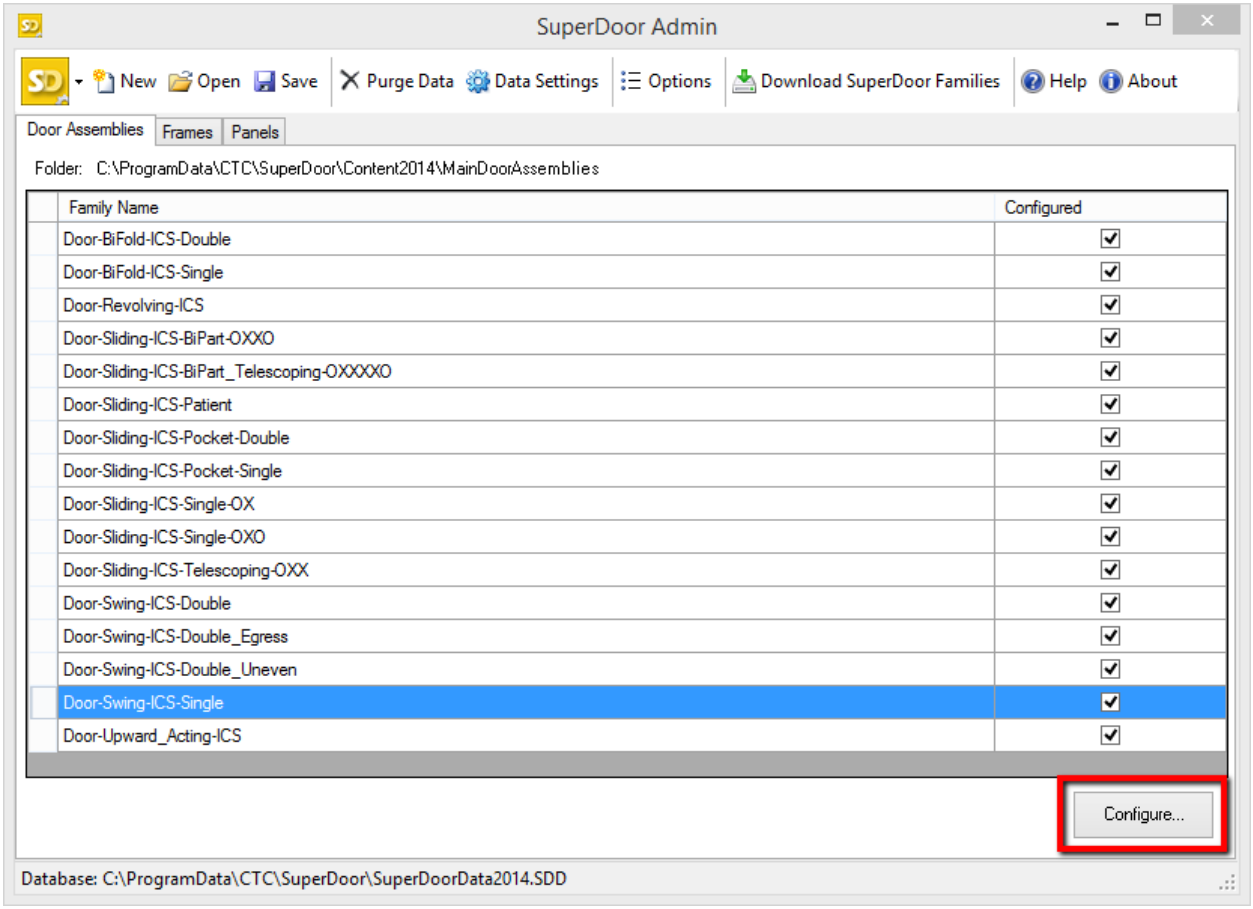
Hold the CTRL or SHIFT key while left clicking to select multiple items in the list then right click to update the selected content in the database.



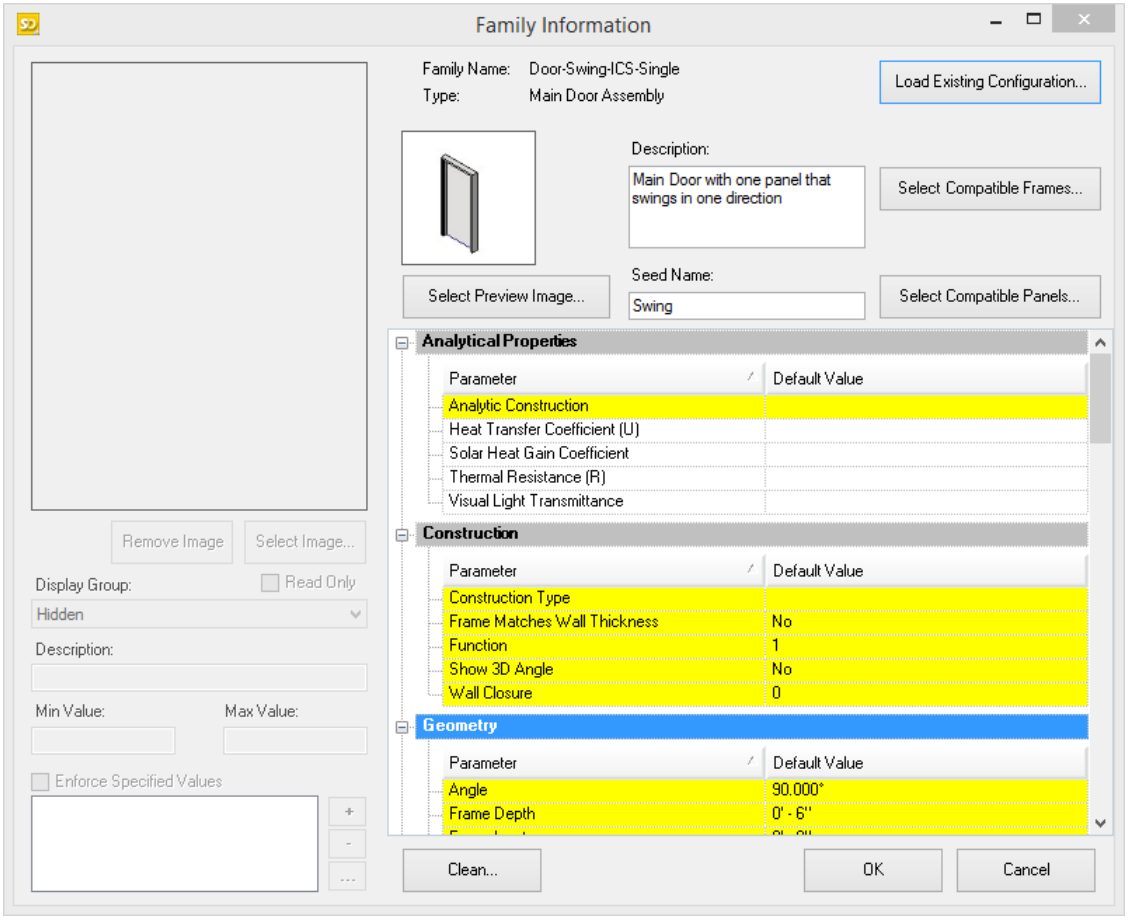
Right click anywhere in the list and choose Update Data for all of the Configured Assemblies (no selection is necessary). This will process all of the configured assemblies in the database.

Configuring SuperDoor Content

All of the default content will come pre-configured in the database however the configuration can be modified if changes are desired. To modify a configuration open the SuperDoor Admin tool and locate the desired piece of content, highlight it and click “Configure…” to open the configuration window. In this example the “Door-Swing-ICS-Single” will be opened.

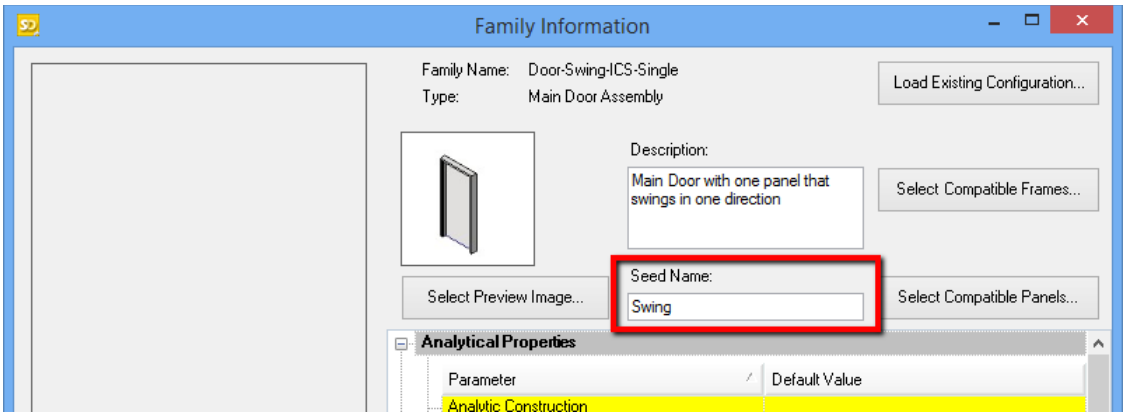


The “Family Information” dialog is used to configure each piece of content in the database.



Changing Seed Names

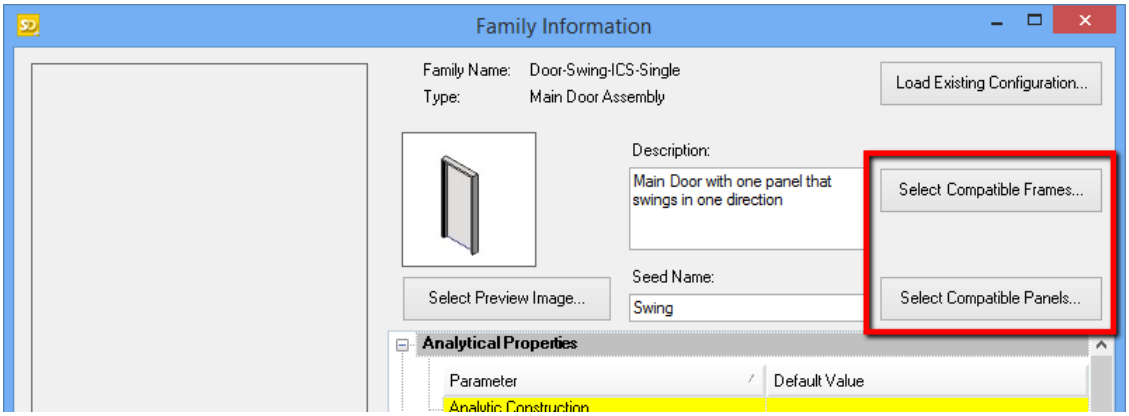
The seed names are used to name the family and types of doors created by users of SuperDoor. If the default seed names do not match existing company standards they can easily be changed my modifying the “Seed Name” field in each piece of content.



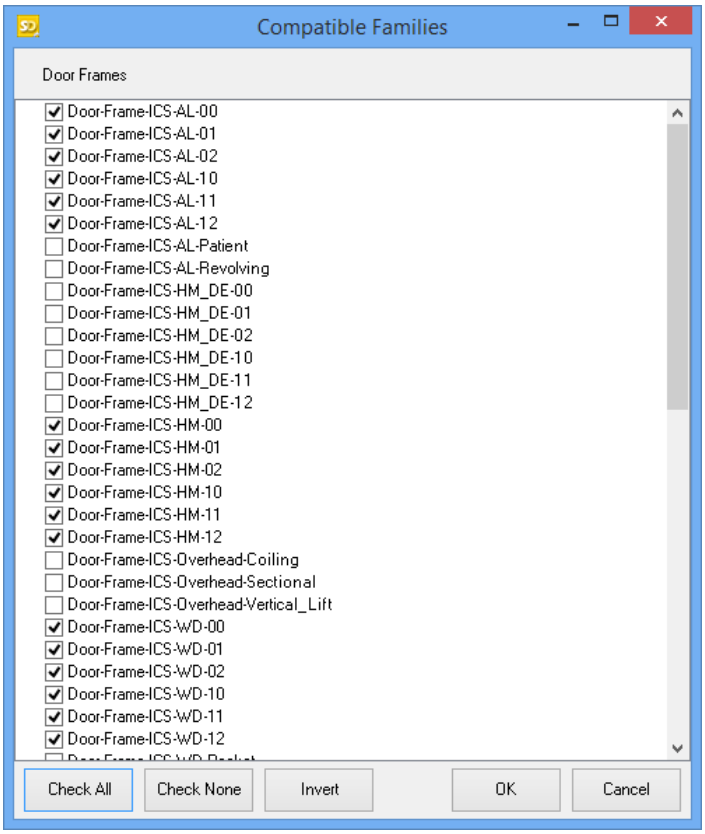
Select the existing Seed name, enter the desired value and click the “OK” button.

Configuring Compatible Frames and Panels

Each assembly family has been configured with a list of appropriate frames and panels so that invalid selections cannot be made. For example it would be inappropriate to select a revolving door panel when using a single swing door assembly. To configure which frames and panels and be used with each assembly, open the assembly and click either the “Select Compatible Frames…” or “Select Compatible Panels…” button.

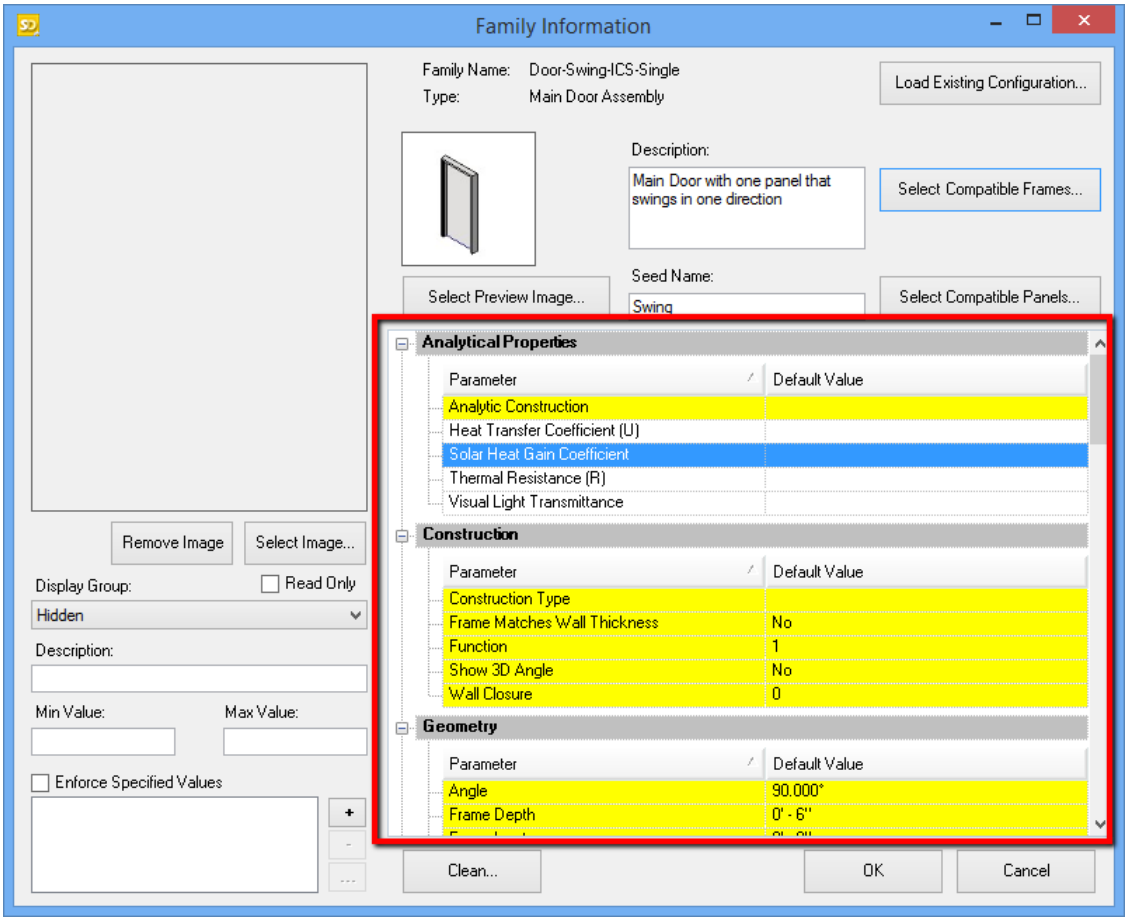


The “Compatible Families” window is used to select each panel or frame that can be used with the assembly. Modify selections as needed and click the “Ok” button.



Configuring Parameters

The default content for SuperDoor has already been configured in the database however changes can be made to the default configurations using the “Family Information” dialog. To modify parameter configuration open the desired family. The list of parameters for that family will be displayed in the lower right portion of the “Family Information” dialog.

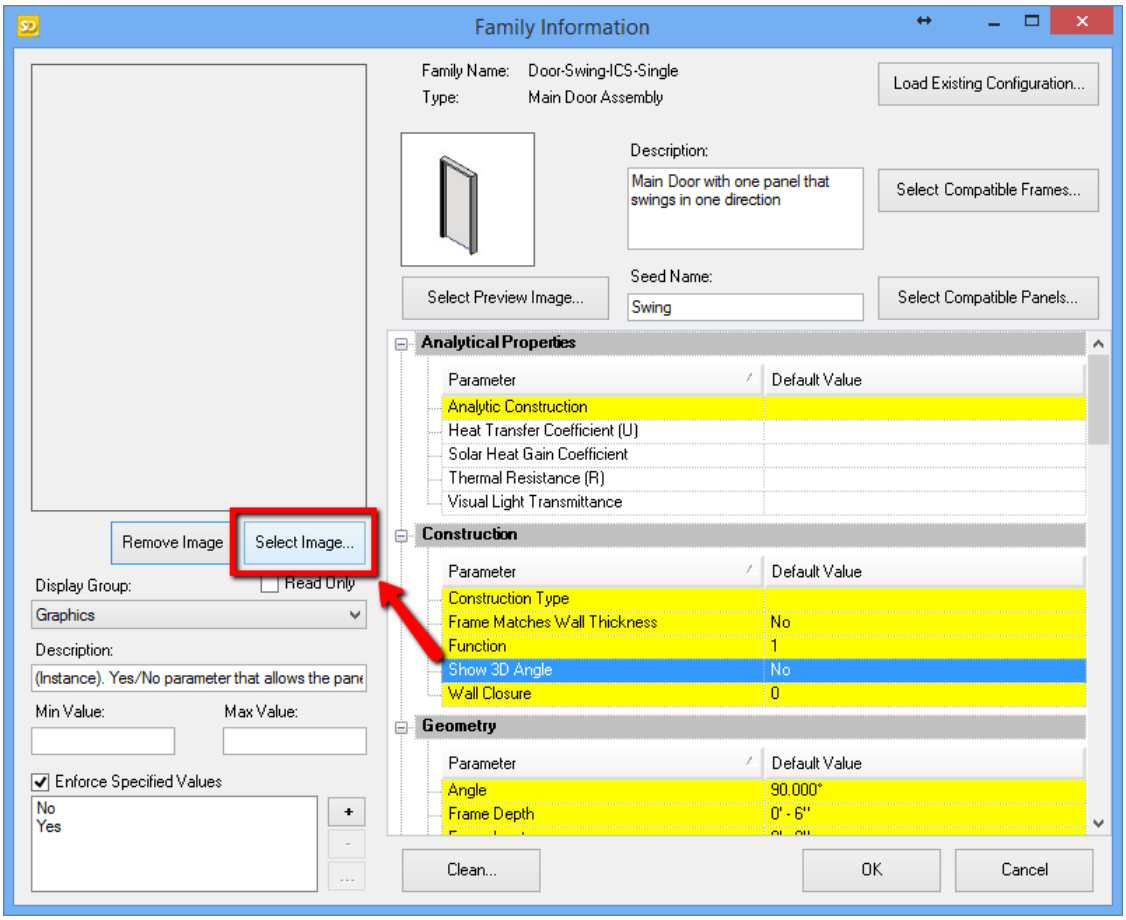


Parameters that have been configured already will be highlighted in yellow while parameters that have not been configured will display in white. Select the parameter to configure or change, once selected there are several functions on the left side of the dialog to control how the parameter will function.

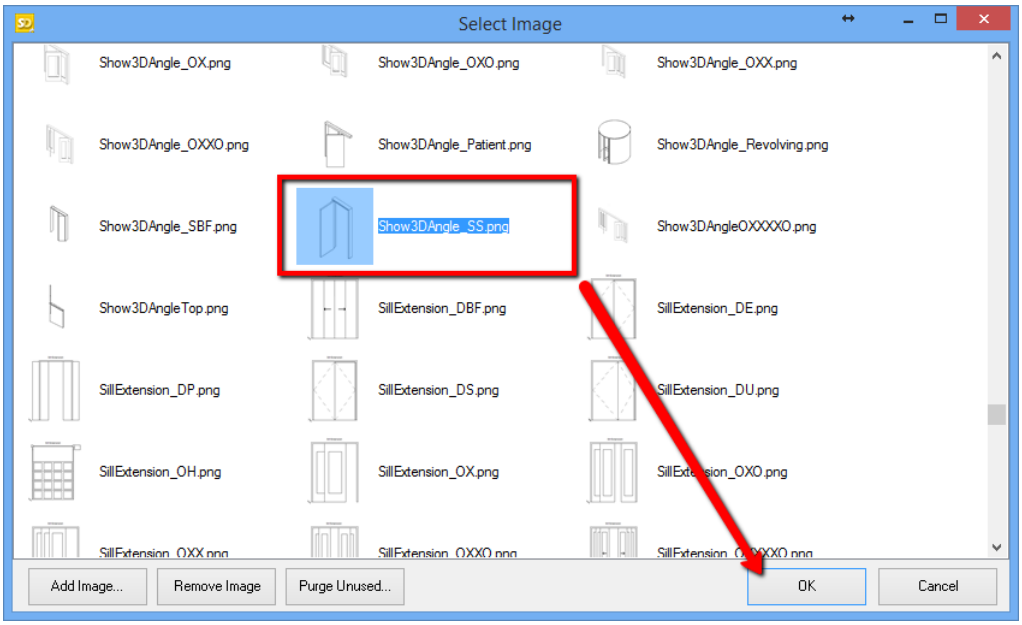
Parameter Preview Images

Each parameter can have a specific preview image assigned to it. These preview images are very helpful in determining what the parameter will change when values are modified.

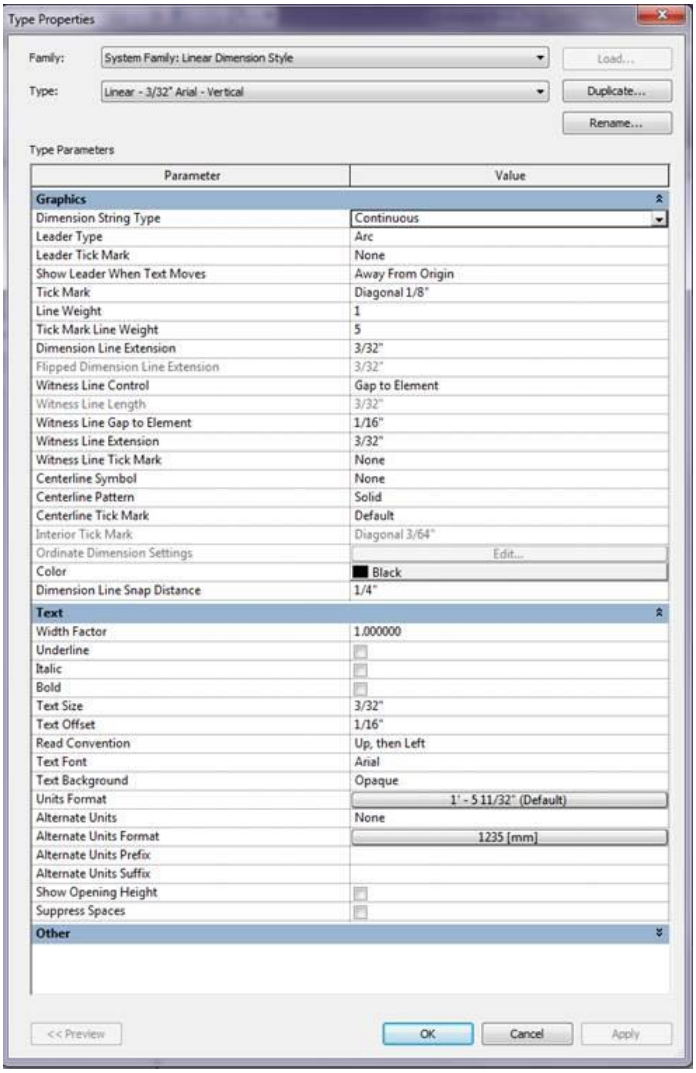
To set a preview image on a parameter, select the parameter and click the “Select Image…” button.



The “Select Image” dialog box will open. Click the “Add Image…” button to add a new image, or select an existing image and click the “Ok” button.

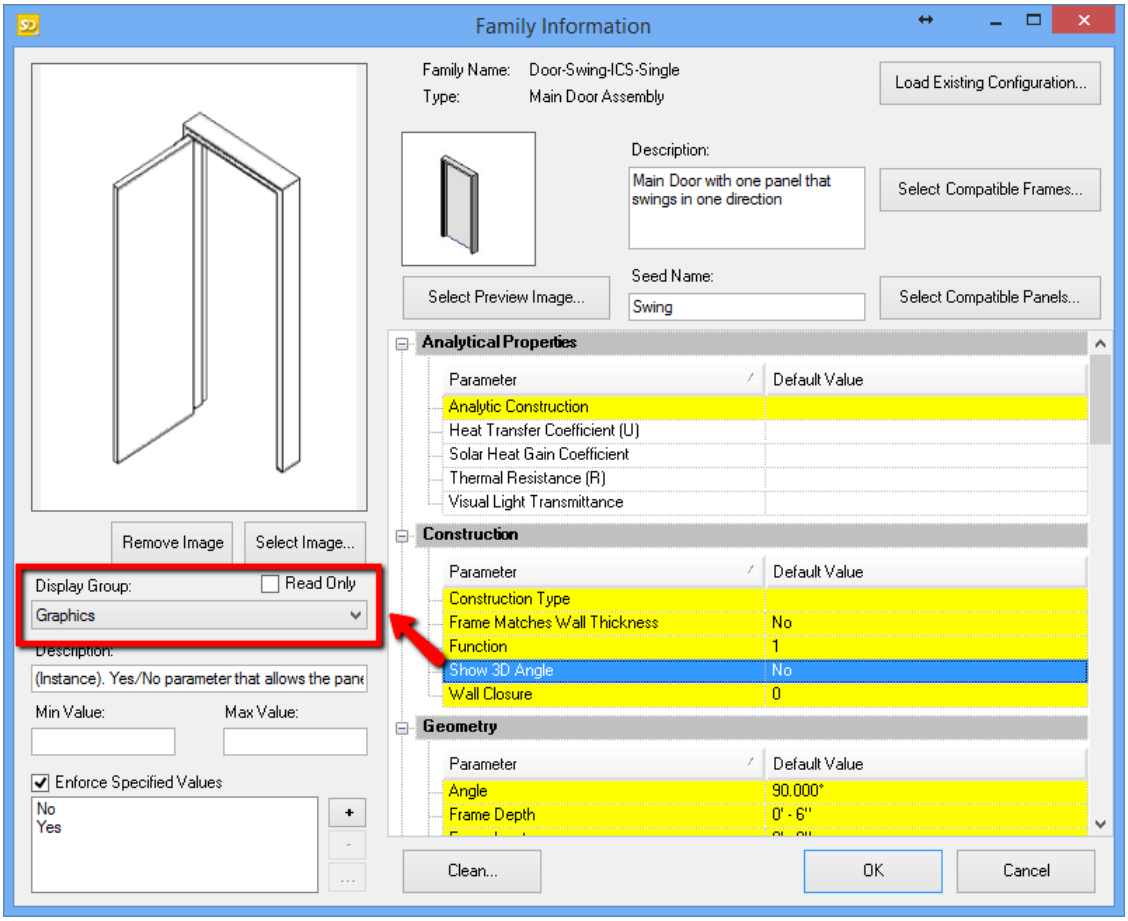


If new images are required (for custom content) the images should be 220 x 310 pixels. The existing images use the following settings for their dimension strings and are taken at 3/8” = 1’ scale.



Parameter Visibility and Grouping

Parameters in each family that are desirable to have visible in the configuration tool must be assigned to a display group. To assign a parameter to a display group select it and choose an option from the “Display Group” dropdown.



By default there are 3 groups, however up to 9 groups can be enabled via the “Data Settings” button on the main SuperDoor Admin dialog.