

Inserting – and Auto Inserting – Elements

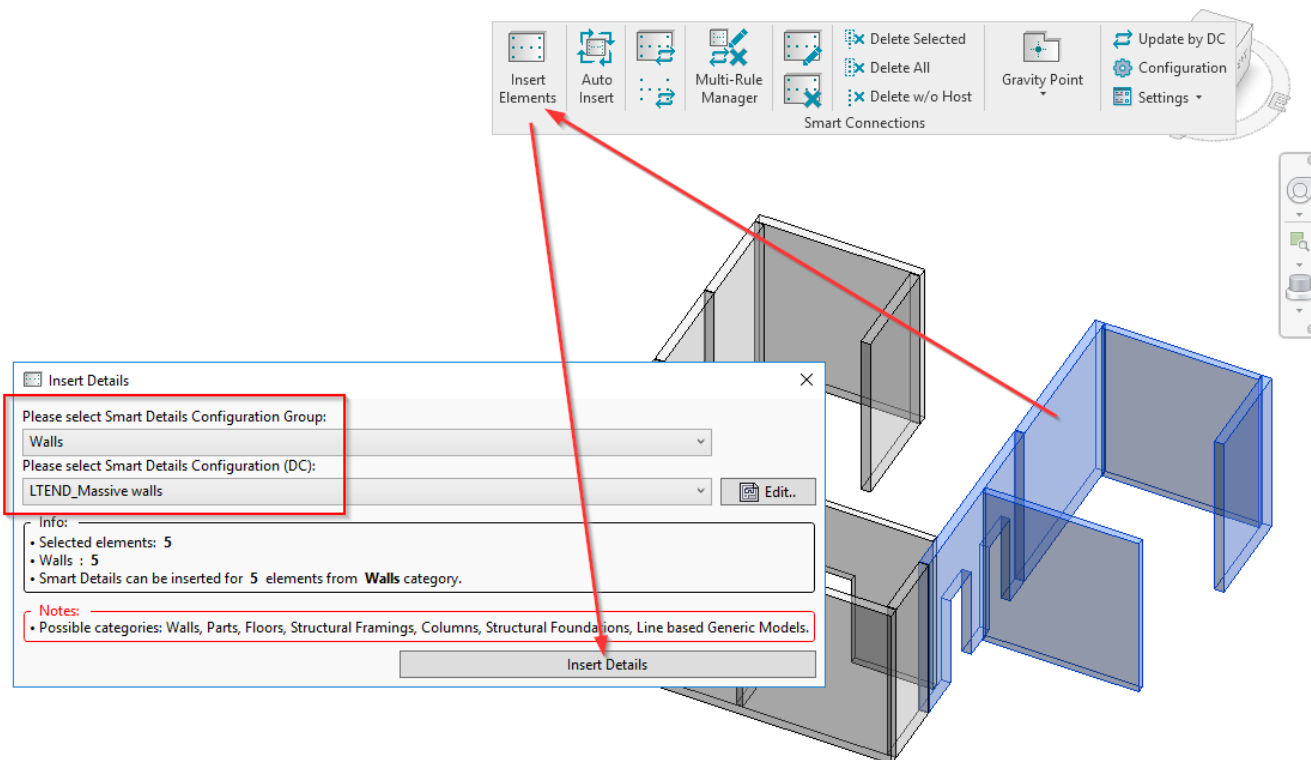
Modified on: Mon, 22 Jun, 2020 at 10:54 AM

Once you have created your configuration, it's time to insert your elements.

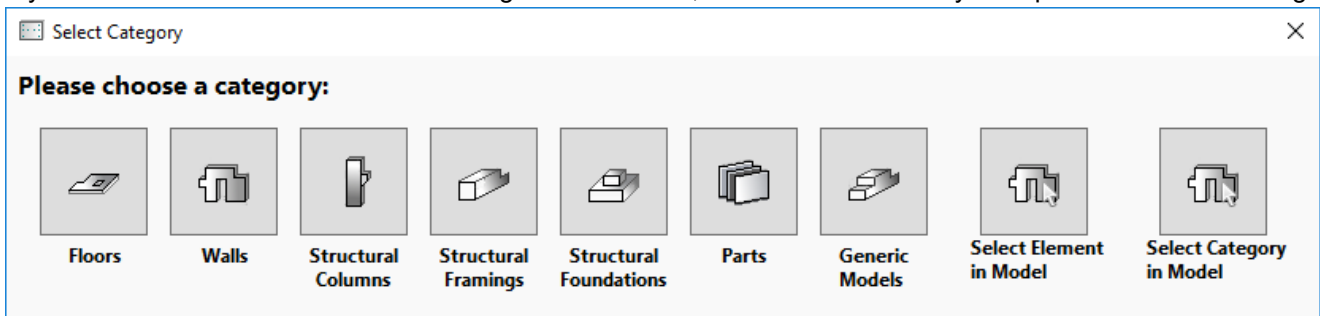
You have two ways to insert elements on a Host:

1. Insert Elements

- Select one category of Host elements (Walls, Structural Framing, Parts, etc.)
- Click **Insert Elements**
- Select Smart Connections Configuration Group
- Select Smart Connections Configuration (DC)
- Run Insert Elements



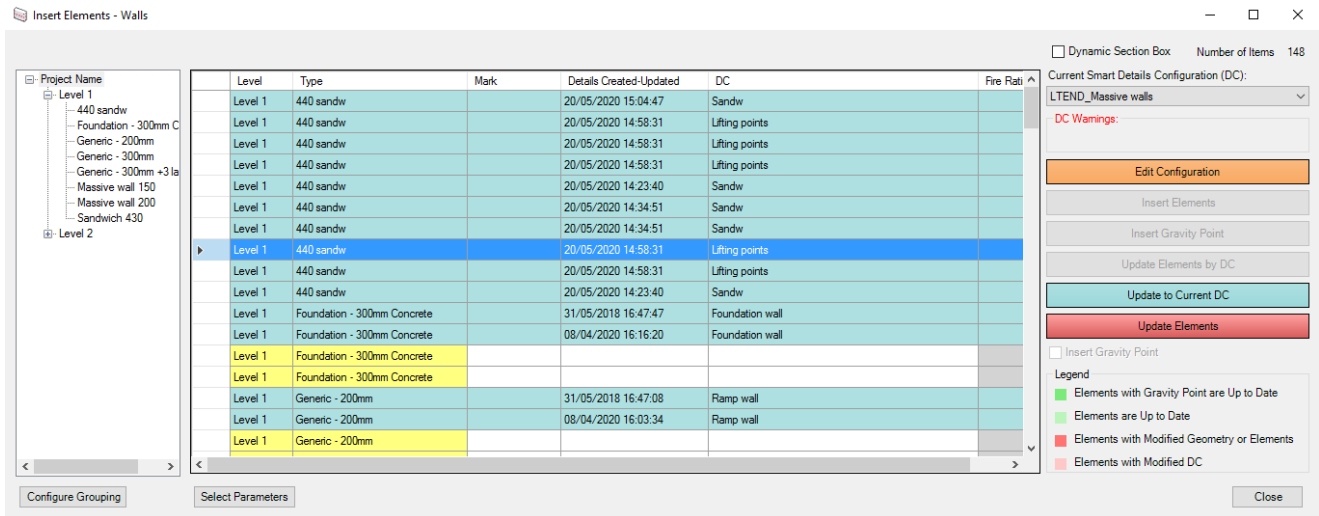
If you run Insert Elements without selecting Host elements, then the tool will ask you to pick elements or Category.



Select Element in Model - tool will switch to selection mode and you will have to select Host elements.

Pick one of the Categories - and it will open window, where all elements of this Category will be listed.

Select Category in Model - will do the same, but you will have to pick Category from the model.



In this window you can work with selected Category elements:

1. Group them on the left side of screen by using Configure Grouping so that you can see any information about them.
2. View any Instance or Type parameters of those elements by using Select Parameters at the bottom of middle screen.
3. Update, Insert, Edit Configuration of selected elements in this window.
4. Simply select elements - selecting elements in this window, selects them in the model.

2. Auto Insert

When you start using Smart Connections, the tool adds *Smart Details Configuration* shared parameter to the project. This parameter is added as a Type parameter for all Categories compatible with Smart Connections - Walls, Parts, Columns, Pipes, etc.

To use **Auto Insert**, you have to fill that parameter with the name of the Configuration that you want to use. After executing the Auto Insert command, the tool will not ask you to pick a configuration; instead it will read the name of the Configuration from the *Smart Details Configuration* parameter and start inserting elements.

The screenshot displays the AutoCAD ribbon with the 'Auto Insert' button highlighted. Below it, the 'Type Properties' dialog box is open, showing the 'Smart Detail Configuration' parameter set to 'LTEND_Massive walls'. The background shows a 3D model of a wall with dimensions: 3385.0, 2100.0, and 221.5.

Type Properties

Family: System Family: Basic Wall Load...

Type: Massive wall 200 Duplicate...

Rename...

Type Parameters

Parameter	Value
Construction	
Structure	Edit...
Wrapping at Inserts	Do not wrap
Wrapping at Ends	None
Width	200.0
Function	Exterior
Smart Assembly Configuration	
Smart Detail Configuration	LTEND_Massive walls
Graphics	
Coarse Scale Fill Pattern	
Coarse Scale Fill Color	Black
Materials and Finishes	
Structural Material	C30/37 XC1

Benefits of Auto Insert:

- Much quicker
- Elements in your company Template project may already have names of Configurations added.
- In Loadable Families like Column, Structural Framing, etc. you can use formulas to use different names of configurations, based on defined conditions.
- If you select, column, beam, and wall and all of them have different configurations assigned, one click will insert them all.