

Insulation Tools: Insulation Drawing



Programmed Result of Tool:

The Insulation Drawing Tool will render a scaled drawing of valid insulation pieces from the model.

Tool Overview:

Each Insulation Drawing Tool has a different focus:

- Insulation Drawing – Mark allows the user to select specific pieces of insulation and manually place them in designated views.
- Insulation Drawing – Master will select all valid insulation pieces in the model and render drawings on a predetermined sheet. (Example: “2 – INS – 01”)
- Insulation Drawing – Assembly will allow the user to select assemblies and associate a sheet with each. On these sheets, valid insulation pieces for each assembly will be rendered.

Information about each tool, its use, and expected outcomes will be detailed. For additional information, please refer to the Insulation Drawing Settings reference in the help files.

Valid Insulation for Drawing

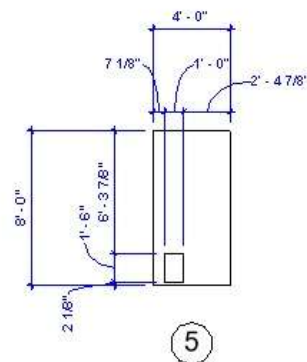
For insulation pieces to be valid for drawing, they must have the following characteristics:

- The pieces actual volume is not equal to its length x width x thickness (Examples include void, recess, etc.).
- Pieces must be marked.
- Pieces must be Edge Insulation.

Known Limitations:

- Does not support pieces that are not Edge Insulation.

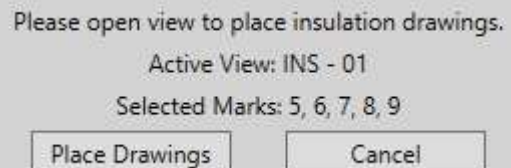
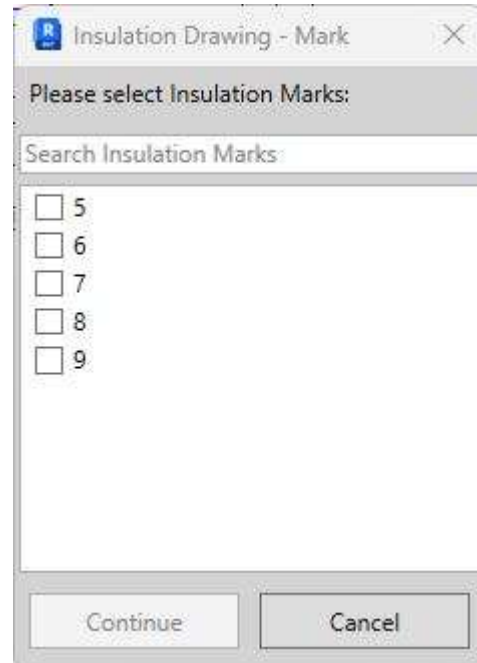
Insulation Drawing with dimensions



Insulation Tools: Insulation Drawing – Mark

Steps to Perform Tool Operation:

1. Select the Insulation Drawing - Mark tool under the Insulation drop-down (See the illustration on the first page).
2. Select the pieces of insulation based on the Insulation Marks.
3. Open the view where the Insulation Drawings will be placed.
4. Place the mouse at the bottom left corner of where you would like the Insulation Drawing placed.
5. The Insulation Mark for each piece will inform you which drawing is being placed.
6. When all Insulation Marks are placed, the prompt will return to Revit.



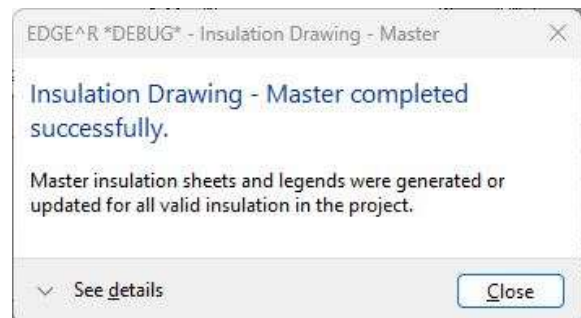
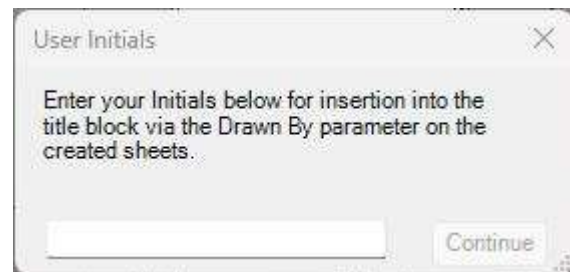
Known Limitations:

- The scale of the drawing may not match the scale of the view.

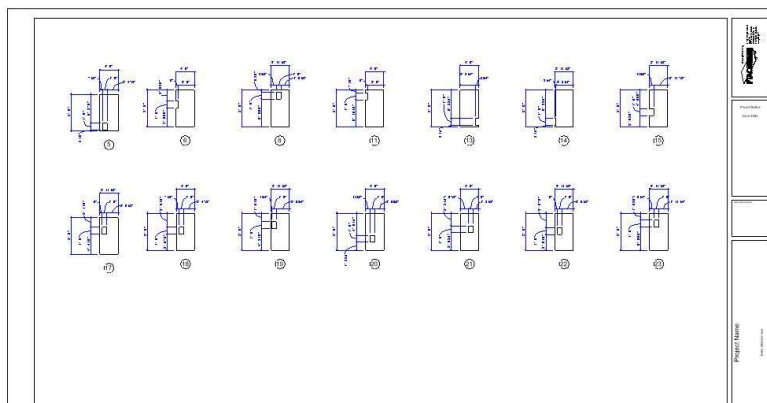
Insulation Tools: Insulation Drawing – Master

Steps to Perform Tool Operation:

1. Select the Insulation Drawing - Master tool under the Insulation drop-down (See the illustration on the first page).
2. If run for the first time on the project, select the prompt for the scale of the new legend and click the Draw Insulation button. The default value selected should come from the Insulation Drawing Settings (refer to the help file for additional information).
3. When the button has been clicked, you will be prompted to enter your initials. Enter your initials and click the Continue button.
4. If all drawings have been completed successfully, the success prompt will appear and when closed, the view with the insulation drawings will open.



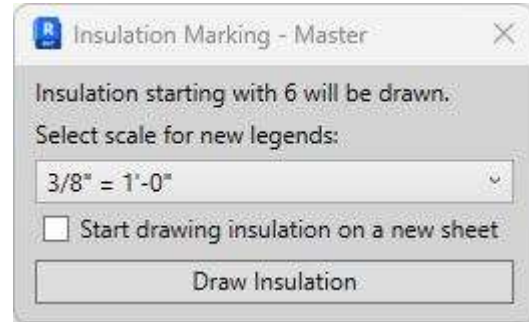
Insulation Drawing – Master (Sample)



Insulation Tools: Insulation Drawing – Master

Steps to Perform Tool Operation:

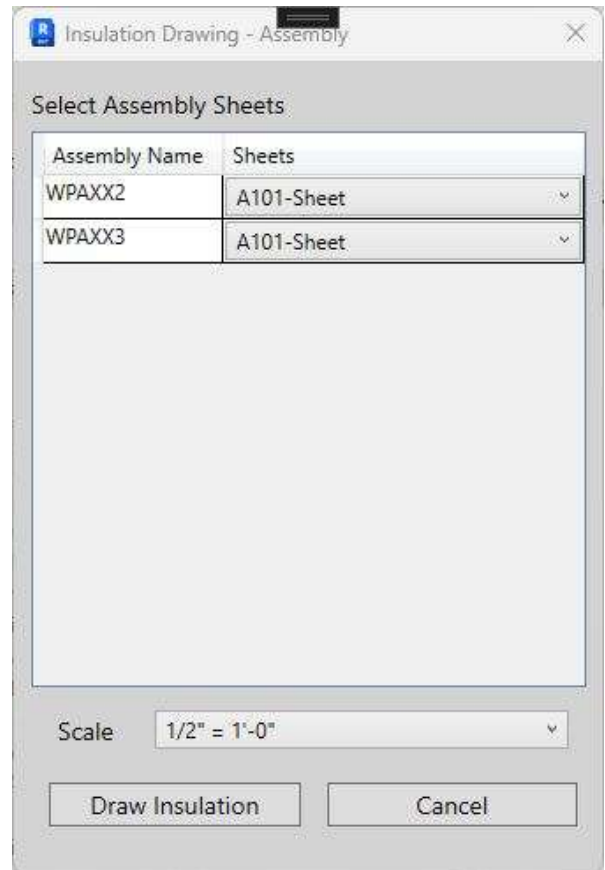
1. If the Insulation Drawing – Master tool has already been run on the project, the sheet with the drawing of the highest-level insulation mark will open.
2. As the sheet opens, a different prompt will appear (see image).
3. If the checkbox to “Start drawing insulation on a new sheet” is unchecked, the legend containing the previous drawings will open. You are then prompted to select the entry point of the next drawing in the sequence.
4. When you click a point in the legend, you select the bottom-left corner of the first insulation drawing in the new sequence. Each drawing will be positioned in line with this placement moving forward.
5. Because initials have already been entered for this sheet, the prompt requesting them will not appear.
6. If all drawings have been completed successfully, the success prompt will appear and when closed, the view with the insulation drawings will open.
7. If the checkbox to “Start drawing insulation on a new sheet” is checked when clicking the Draw Insulation button, the insulation drawings will be rendered in a new sheet.
8. When the button has been clicked, you will be prompted to enter your initials. Enter your initials and click the Continue button.
9. If all drawings have been completed successfully, the success prompt will appear and when closed, the view with the insulation drawings will open.



Insulation Tools: Insulation Drawing – Assembly

Steps to Perform Tool Operation:

1. Select the Insulation Drawing - Assembly tool under the Insulation drop-down (See the illustration on the first page).
2. If any assemblies had been preselected, you will be prompted with a list of the selected assembly names and sheet options.
3. If no assemblies had been preselected, you will need to choose which assemblies you wish to have insulation drawings for.
4. Select the scale you wish to use for the sheets. By default, this scale will be determined by the Insulation Drawing Settings (refer to the help file for additional information).



Insulation Drawing – Assembly (Sample)

