

Adding Details to a Project

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The following information is subject to change.

Overview

This document outlines adding Mechanical Standard Details to a Revit Mechanical project model. Then, place a Standard Detail on a sheet. There are two methods to add Mechanical Standard Details to a Revit Mechanical project model. The first is by using Revit's Insert from File function. The second is by using the Family Browser Add-In.

Both methods are outlined here.

Revit's Insert from File function

Pro

Several details can be loaded at once requiring only one temporary upgrade of the Standard Detail model for 2022 and 2023 versions of Revit.

Con

You can only perform this function from within the IDS office.

Family Browser Add-In

Pro

You can perform this function from within the IDS office or remotely

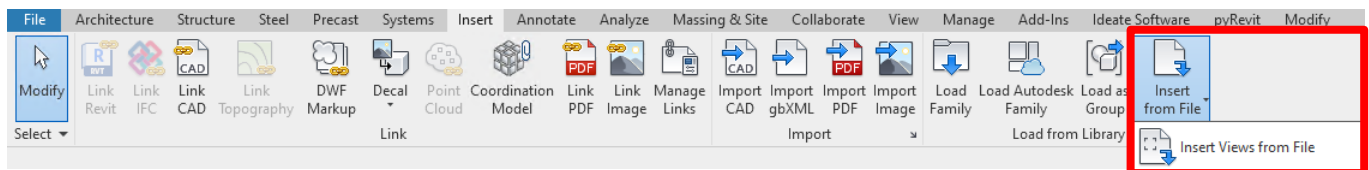
Con

Only one detail can be loaded at a time. Where multiple details are needed, using this function will require multiple temporary upgrade of the Standard Detail model for 2022 and 2023 versions of Revit.

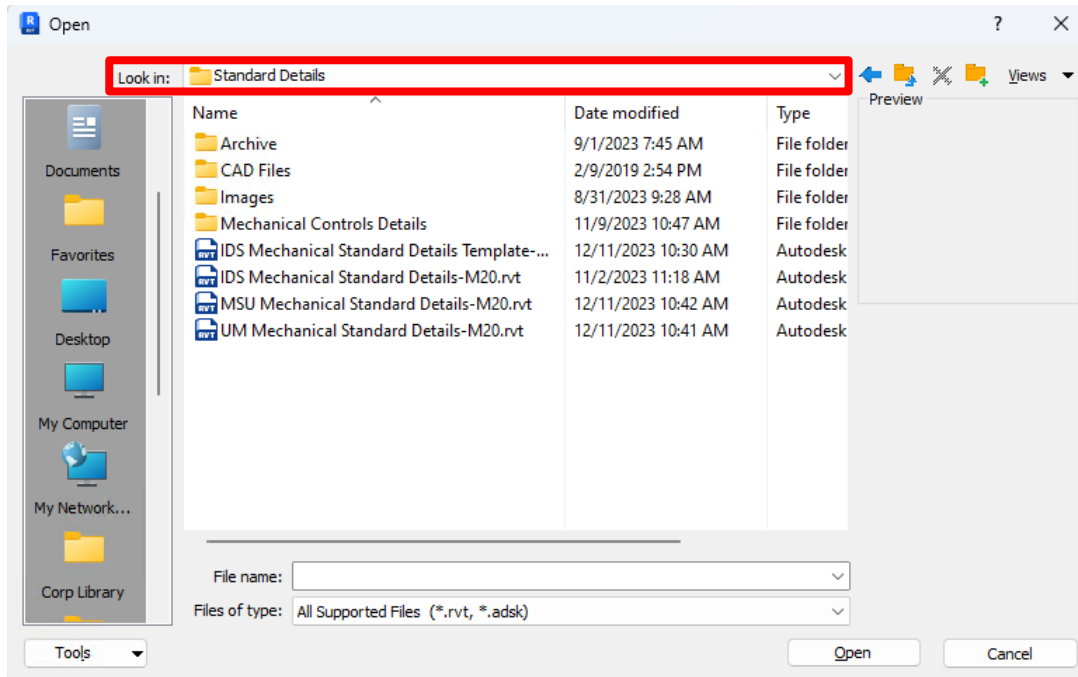
Note: This procedure was written for Revit 2023. Different versions of Revit may have slightly different process.

Inserting Standard Details via Revit's Insert from File

1. From the *Insert* ribbon, select **Insert from File**.



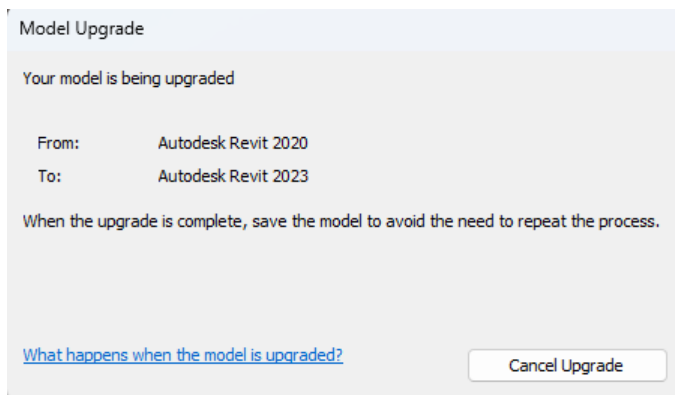
2. From the drop-down menu, select **Insert Views from File**. The *Open* dialog appears.
3. From the *Look in* drop-down menu, navigate to the J:\Standards\Mechanical\Standard Details folder.



4. Select the appropriate file of collected details.

Note: Typically, this would be IDS Mechanical Standard Details-M20.rvt. However, do not select the IDS Mechanical Standard Details Template-M20.rvt as this is used to create new details to be added to the other three models.

5. Then select **Open**. The *Open* dialog closes.
6. If the host model is at a version of Revit greater than 2020, the *Model Upgrade* dialog will appear.

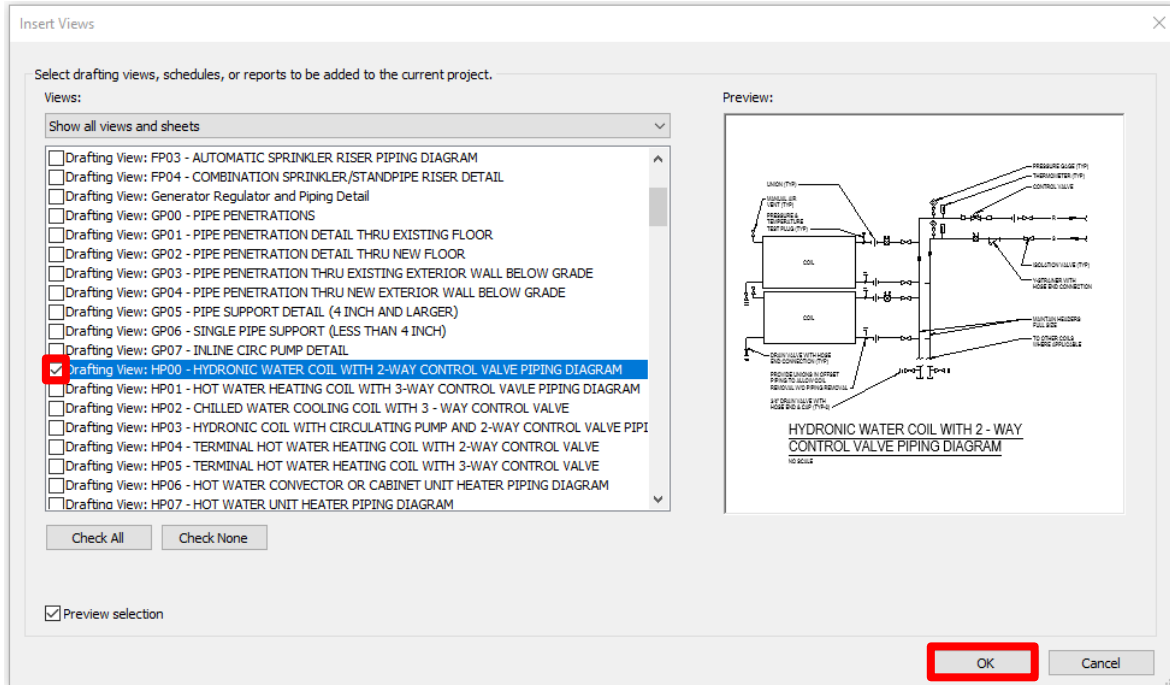


7. Wait for the model to temporarily upgrade.

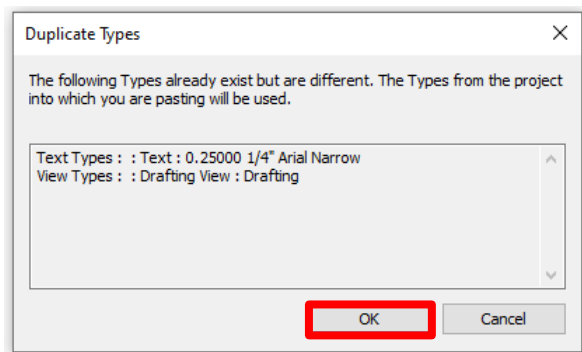
Note: Revit is upward compatible. Models created in an older version of Revit can be opened in newer versions of Revit. It is not backwards compatible. Models created in a newer version of Revit cannot be opened in older versions of Revit.

Once completed, the *Insert Views* dialog appears.

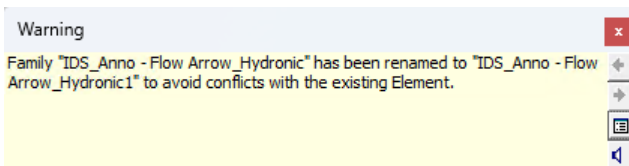
8. From the *View* list, use the selection box to the left of each Drafting View Detail to select the one or more Drafting View Details, then select **OK**.



9. If the *Duplicate Type* dialog appears, select **OK**, continue to press **OK** if any additional “Duplicate Types” dialog appear.



10. If a *Warning* appears indicating a family has been renamed, select the red X in the upper-right corner.



11. Once the detail(s) have been inserted into the model, one of the selected details will appear as a drafting view.

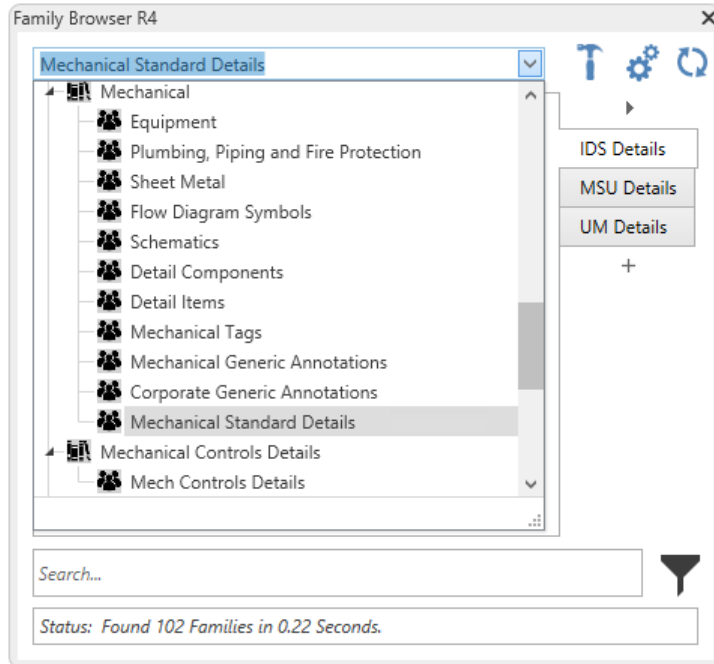


12. Close the Drafting View.

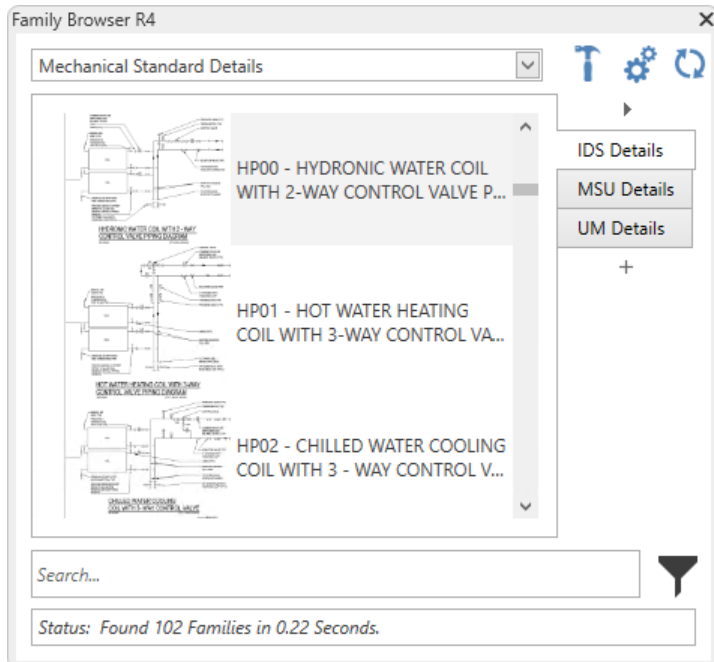
Inserting Standard Details via Family Brower

This process can be performed from within the IDS office or remotely if the Add-In Family Browser has been installed and properly configured.

1. From the *Add-Ins* ribbon, select **Show/Hide Family Browser R4**. The *Family Browser R4* dialog appears.
2. Scroll down the list. Under the Mechanical library, select **Mechanical Standard Details**.

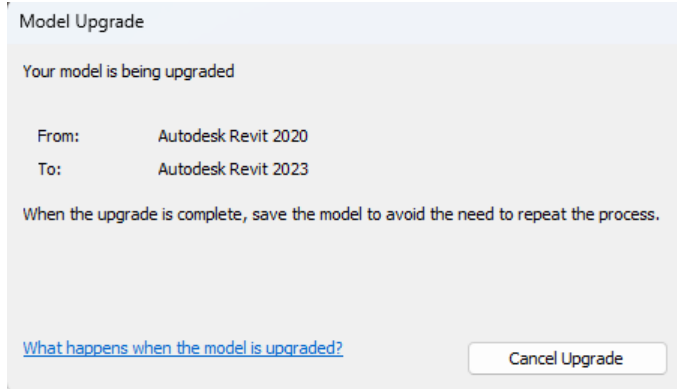


3. From the tabs on the right side of the dialog, select the appropriate set of Details to load from, e.g., **IDS Details**.
4. The list will change to those of the IDS Mechanical Standard Details Template-M20.rvt model.
5. Scroll through the list and select the appropriate detail to load into the project model, then select it.



6. Drag/drop it into the project model. The current view does not matter.

7. If the host model is at a version of Revit greater than 2020, the *Model Upgrade* dialog will appear.



8. Wait for the model to temporarily upgrade.

Note: Revit is upward compatible. Models created in an older version of Revit can be opened in newer versions of Revit. It is not backwards compatible. Models created in a newer version of Revit cannot be opened in older versions of Revit.

Once the detail has been inserted into the model, The selected detail will appear as a drafting view.



Repeat steps 5 through 8 for any other Details required.

Placing a Detail on a Sheet

Details should be placed on the sheet begins in the lower right corner and move upwards. Titles of each detail should line up with details adjacent and above the specified detail.

The detail(s) inserted previously, will need to be placed on a sheet. Mechanical details are placed on M6 series sheets, while Fire Protection details are placed on FP7 series sheets. For this procedure, a Mechanical details will be illustrated.

1. Open the **M6.1** sheet. If this sheet is full of details, open the **M6._** sheet and rename it to **M6.2**. If this sheet is full of details, create a new sheet with the sheet number of **M6.3** and name it **Details**. Set the parameters as follows:

Sheet Folder: **Construction**

Sheet Phase: **Mechanical - New Construction**

Dept Code: **76**

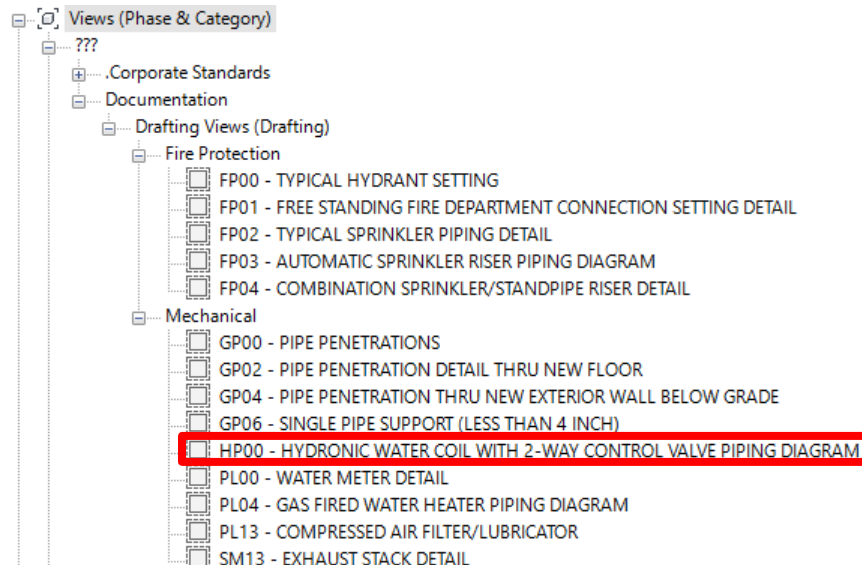
If Fire Protection Details are being placed on a sheet, the sheet number will be **FP7.1**. If this sheet is full of details, open the **FP7._** sheet and rename it to **FP7.2**. If this sheet is full of details, create a new sheet with the sheet number of **FP7.3** and name it **Schedules and Details**. Set the parameters as follows:

Sheet Folder: **Construction**

Sheet Phase: **Fire Protection - New Construction**

Dept Code: **88**

2. With the proper sheet open, select the border. From the *Properties* pallet, select the **Detail Boundary Lines** check box. Detail lines forming boxes appear to indicate the location of details.
3. From the Project Browser, locate the previously inserted details.



Select one of the details and drag/drop it onto the sheet.

4. With the Drafting View selected, move it until its title aligns with the lower horizontal line of one of the boxes and the detail's right most linework/text aligns with the right vertical line of the same box.
5. Repeat steps 3 and 4 for as many details as required.
6. Select the border on the sheet. From the *Properties* pallet, deselect the **Detail Boundary Lines** check box. The Detail lines forming boxes disappears.