

Requirements for Families and Categories





























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Possible Families to use with Smart Connections

You can use Line-based or Point-based Families with Smart Connections.

Note: You can find sample families in our Smart Connections Sample Projects.

Elements to be inserted may be solids or voids of any shape created in these Family Templates from the standard Revit Family Templates:

 Metric Fire Alarm Device.rft	 ME
 Metric Furniture System.rft	 Me
 Metric Furniture.rft	 Me
 Metric Generic Model Adaptive.rft	 Me
 Metric Generic Model ceiling based.rft	 Me
 <u>Metric Generic Model face based.rft</u>	 Me
 Metric Generic Model floor based.rft	 Me
 <u>Metric Generic Model line based.rft</u>	 Me
 Metric Generic Model Pattern Based.rft	 Me
 Metric Generic Model roof based.rft	 Me
 Metric Generic Model two level based.rft	 Me
 Metric Generic Model wall based.rft	 Me
 <u>Metric Generic Model.rft</u>	 Me
 Metric Lighting Fixture ceiling based.rft	 Me

Note: For Generic Model families, 'Work Plane-Based' must be turned ON and 'Always vertical' turned OFF.

The screenshot displays the Revit software interface. The top ribbon includes tabs for File, Create, Insert, Annotate, View, Manage, Add-Ins, T4R: Create/Modify, T4R: Document, ProdLib, and TOOLS 4 E. The ribbon contains various tool icons for modeling, such as Extrusion, Blend, Revolve, Sweep, Swept Blend, Void Forms, Model Line, Component, Model Text, Opening, and Model Group. Below the ribbon, the Properties panel is open, showing the following settings:

- Family: Structural Connections
- Material for Model Behavior: Steel
- Work Plane-Based: (highlighted with a red box)
- Enable cutting in views: (highlighted with a red box)
- Always vertical: (highlighted with a red box)
- Cut with Voids When Loaded:
- Shared:

To the right of the Properties panel, a 3D model of a structural connection is shown, featuring a central vertical post with several horizontal beams extending from it, all connected at a central point.

Possible Categories

Structural Connections
 Structural Framing
 Generic model

The screenshot displays the AutoCAD interface with the 'Family Category and Parameters' dialog box open. The 'Family Category' list on the right contains the following items, with four highlighted by red boxes: 'Generic Models', 'Structural Connections', 'Structural Foundations', and 'Structural Framing'. A red arrow points from the 'Insert' tab in the ribbon to the dialog box. The 'Family Parameters' section at the bottom contains a table with the following data:

Parameter	Value
Enable cutting in views	<input checked="" type="checkbox"/>
Cut with Voids When Loaded	<input type="checkbox"/>
Material for Model Behavior	Steel
Shared	<input type="checkbox"/>
OmniClass Number	