

Article Overview

To use elbows in Revit cable trays, you need to load the appropriate cable tray fitting families and configure your project settings for automatic routing.

Step 1: Prepare Your Project

Start with the correct MEP template to ensure cable tray content is available, as architectural templates may lack fittings and families (). Navigate to MEP Settings and configure Cable Tray Settings, including default angles, bend radius, and system types. This ensures that elbows and other fittings behave correctly when placed ().

Step 2: Load Cable Tray Fittings

- o Go to the Systems tab in Revit.
- o Select Cable Tray and then Cable Tray Fitting.
- o If no fittings are loaded, click Load Family or Upload.
- o Navigate to the Cable Tray Fittings folder and select the required types, such as 45° and 90° elbows ().
- o Confirm the families are loaded into the project; they will now appear in the type selector when placing fittings.

Step 3: Place Cable Tray Runs

Draw your straight cable tray runs in the floor plan or ceiling plan view. Revit will automatically generate elbows when the tray changes direction, provided the correct fitting families are loaded (). You can adjust the elevation, width, and system type in the properties palette to match your design requirements.

Step 4: Customize Elbows (Optional)

For more precise modeling:

- o A 45° elbow typically requires two segments, while a 90° elbow uses three segments ().
- o You can create custom elbow families if the default ones do not match your project needs, using Revit's family editor.

Step 5: Verify and Adjust

After placing trays and elbows:

- o Check connectivity and routing.

How to load cable tray elbows in Revit

- o Adjust bend radius or elevation if necessary.
- o Ensure that elbows align with other MEP systems to avoid clashes. By following these steps, you can efficiently load and use elbows in Revit cable trays, enabling automated routing and accurate electrical modeling ().

Download cable tray BIM objects with BIMsmith Market. Cable trays help keep complex technology systems safe and secure without

Download free BIM objects of Niedax Group for SketchUp, Autodesk, Revit,

The course is designed to provide participants with the skills and knowledge necessary to create, modify, and

This video is related to Revit Electrical cable tray & conduit setting InformationIn this live

This lesson walks through how to start a project and properly set up for Electrical Cable Tray design in Revit 2025. It focuses on

Autodesk Community, Autodesk Forums, Autodesk Forum

Walk through placing cable tray in Revit MEP--loading fittings, setting routing preferences, drawing runs across

Load it into the project, now the Cable Tray Fitting should be displayed. Edit family again, change the category back to

How to create a vertical cable tray in Revit to match the one shown in the image: This can be done with the free Revit

Add Cable Tray Fittings As you draw cable tray, Revit automatically adds fittings. Use the following procedure to manually add cable

Draw the cable tray by setting an offset and defining the path of the tray. The cable tray type parameters control what fittings are

In order to automatically create a whole cable tray run, however, we need both the straight segment cable tray elements and also the

Modeling cable tray vertically NARRATOR: Modeling cable tray vertically on a wall in Revit.

How to load cable tray elbows in Revit

In this tutorial, we will cover the Cable Tray & Conduit System Design in Revit Electrical.

Understand how to model a cable tray using the systems tab in the electrical section for effective coordination,

Adding cable tray in Revit Review the basics of placing cable tray, add vertical cable tray, and place cable tray and fittings

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