

How to make Revit cable trays vertical

Article Overview

Vertical cable trays in Revit can be created using the MEP Fabrication extension or by placing vertical fittings and adjusting orientation in section or elevation views.

Using Revit MEP Fabrication Extension

- o Draw the cable tray in plan view using Revit's built-in cable tray tool.
- o Switch to a section or elevation view that shows the side of the cable tray.
- o Use the Rotate tool to rotate the cable tray vertically so it stands upright .
- o Ensure the tray aligns with walls or other vertical elements as needed.

Using Cable Tray Fittings

- o Select "Cable Tray with Fittings" in the type selector.
- o Edit Type to include vertical fittings such as vertical inside bend or vertical outside bend.
- o Set routing preferences including bend radius and offsets.
- o Place the vertical fitting at the desired elevation before drawing the tray run.
- o Draw the cable tray run connecting to the fitting; this allows the tray to follow a vertical path .

Workarounds for System Family Limitations

- o Revit system families cannot always be rotated freely in 3D. To overcome this:
- o Place a cable tray fitting first, then draw the tray run from the fitting.
- o Alternatively, create a Generic Model Line-Based family using a cable tray profile to achieve vertical orientation while maintaining schedule compatibility .

Additional Tips

- o Check offsets and reference levels to ensure the tray aligns correctly with floors or ceilings .
- o Use perpendicular section views to verify vertical alignment.
- o Avoid over-modeling; sometimes plan views are sufficient to convey vertical routing information without complex 3D modeling .
- o Adjust width, height, and bend radius in the cable tray type properties to match project requirements . By combining these methods, you can create vertical cable trays in Revit that are both visually accurate and compatible with MEP scheduling and documentation.

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In this video, we're going to go ahead and start setting up some cable tray. So I'm currently on my Ceiling Plan Level

Cable Tray behavior in Revit changes when placing a vertical run in a section or 3D view.

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

The workaround to the problem above, is to first place a cable tray fitting at the correct elevation, even before drawing

Introduction to adding cable tray in Revit Any referenced datasets can be downloaded from "Module downloads" in the module

Automatically Connect: Lets you automatically connect to the snaps on a component when starting or ending a cable tray segment.

A face-based family will host onto any surface and will enable the cable tray to follow a wall length or follow its height

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

You can sort of do it by drawing a vertical piece of tray (eg by making a vertical offset) and then rotating that in a section. Only issue

FABRICATION PARTS - CABLE TRAYS: It is a bit easier to control wall based vertical cable trays with fabrication

My aim is to draw a line with the revit line command and use the dynamos script to draw the straight stretches and the

Draw cable tray in plan. Look at cable tray in section or elevation that looks at its side.

Free Revit families and Dynamo script download<https://> you have any questions you can

If you need a BIM Modeller, Revit Technician, AutoCAD draftsman for Modelling,

There is any other way to show cable tray alongside wall vertically. I know the rotation option to do as shown in the

