ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Adding cable tray dimensions in Revit



Overview

Adding cable tray in Revit Review the basics of placing cable tray, add vertical cable tray, and place cable tray and fittings horizontally Setting Up Cabl.

Key Takeaways

In Revit, cable tray dimensions such as width, height, and offset are set through the Type Properties of the cable tray, but there are system limitations for minimum sizes.Setting Up Cable Tray Dimensions
• Select the Cable Tray Tool In Revit MEP, go to the Systems tab and select Cable Tray. You can choose between cable trays with or without fittings depending on your project needs .

• Edit Type Properties
• Click Edit Type to access the cable tray's parameters.

• Here you can adjust Width, Height, Offset, and Bend Radius. The offset determines the vertical placement relative to a reference level, while the bend radius affects how sharply the tray can turn .

• For cable trays with fittings, you can also set routing preferences and select specific fittings like vertical bends, T-junctions, or reducers .

• Dimension Constraints
• Revit has minimum size restrictions for system families. For example, cable trays cannot be smaller than 25mm in width or height, which is a hard-coded limitation .

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• If you need smaller dimensions, the current workaround is limited; you may submit a feature request to Autodesk for consideration .

• Height and Side References
• The Height Reference determines whether the tray's height is measured from the top, center, or bottom edge.

• The Side Reference aligns the tray to the left, middle, or right edge during placement .

• These references are retained during the active command and affect how dimensions are applied along walls or ceilings.

• Applying Dimensions in Views
• Dimensions can be applied in plan or section views. In section views, you may need to manually add dimensions if the automatic settings do not display them .

• Use the Apply Dimension option in the ribbon to control whether Revit automatically adopts dimensions from existing trays when continuing a run .

• Loading Fittings
• If your project requires fittings, load them via Insert > Load Family > Cable Tray Fittings. Select the appropriate channel or ladder types and apply them in your routing .

Tips for Clean Layouts
• Use cable trays with fittings for more flexible routing.

• Adjust offsets and side references to avoid clashes with other MEP systems.

• For visual clarity, consider dimensioning in section views to show height and alignment relative to ceilings or walls . By following these steps, you can effectively set and manage cable tray dimensions in Revit while respecting system limitations and ensuring proper routing and alignment.

Article Content

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

Solved: Cable Trays Dimensions

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Cable trays as we know are a system family, and the few things that we can do with them is to create new sizes. I

Add a Cable Tray Size

You can add a cable tray size to the list of standard cable tray sizes that come with Revit.

Introduction to adding cable tray in Revit

In this course, we''re going to review the basics of placing cable tray, add vertical cable tray, and place cable tray

Cable Tray and Conduit

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

Modeling cable tray horizontally

You can now nudge the individual cable trays and fittings into place and change the length using temporary

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We went over a brief introduction to adding cable tray in Revit. We helped you model a cable tray vertically on a wall. We helped you

Re: Cable Tray Sizes

When using the Cable Tray the width of the CT is not accurate. The Revit CT measures to the outside and real CT

Modeling cable tray vertically

In the Systems tab > Electrical panel, click Cable Tray. In the Type Selector, select Cable Tray with Fittings: Ladder Cable Tray. In

Modify a Cable Tray Size

In the left pane of the Electrical Settings dialog, expand Cable Tray Settings, and click Size. In the right pane, select a cable tray size,

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Revit MEP: How to Dimension Cable Tray in Section

Revit Cable Trays don''t look to pretty out of the box, this little trick makes them not only

Modeling and Coordinating Cable Tray Systems in Revit for Electrical ...

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

Revit Electrical Cable Tray & Conduits Training

Advanced Features: Utilizing Revit''s analysis tools for electrical systems. Customizing

Changine the parameters on a cable tray

Hi, I have just started working on Revit and it opens up a lot of options for me. Currently, I am working on cable trays

Modeling cable tray vertically

We are going to add cable try down the edge of the back wall and into the Electrical Room. In the Systems tab > Electrical panel,

Revit Electrical Cable Tray Support

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AutoCAD & REVIT TIPS Revit comes with a set of predefined cable tray sizes. You can add a cable tray size to the list

Designing Cable trays and Cables.

i don''t know of any add-on that will add the cables. Typically you don''t show the cables that are actually in the cable

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Cable Tray Settings

Cable Tray Size Separator - Specifies the symbol to be used in showing cable tray sizes. For example, when an x is used, a cable

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