Revit cable tray marking settings



Overview

Cable Tray Size Separator - Specifies the symbol to be used in showing cable tray sizes. For example, when an x is used, a cable tray that is 12 inches high and 4 inches deep would be shown as 12" x 4".

Key Takeaways

Cable tray markings in Revit are controlled through the Cable Tray Settings pane, type properties, and view filters to manage size, connectors, and visual annotations.

Cable Tray Settings Pane

The Cable Tray Settings pane allows you to configure how cable trays are displayed and annotated in your project: Use Annot. Scale for Single Line Fittings: Determines whether fittings are drawn according to the Cable Tray Fitting Annotation Size parameter. Changing this does not affect already placed components.

Cable Tray Fitting Annotation Size: Sets the plotted size of fittings in single-line views, independent of drawing scale. Cable Tray Size Separator: Defines the symbol used to separate width and height in size notation (e.g., 12" x 4"). Cable Tray Size Suffix: Adds a symbol or text after the size for clarity.

Cable Tray Connector Separator: Specifies the symbol used between two different connectors. These settings ensure that cable tray sizes and fittings are consistently annotated across views.

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Type Properties and Routing Preferences

When editing a cable tray type, you can configure routing preferences and fittings: Width, Height, Offset, Bend Radius: Automatically calculated but can be adjusted for specific project needs. Fittings: Assign vertical inside/outside bends, tees, crosses, reducers, and unions. Properly loading fitting families ensures accurate automatic generation when trays change direction.

Routing Preferences: Define how cable trays connect and transition, which affects the visual representation and annotation in plans.

Visual Differentiation and Marking

To differentiate cable trays in views or documentation, Revit provides several options: View Filters: Create filters based on system type, size, or other parameters, and assign hatch patterns, colors, or line styles to visually mark different trays. Phases: Use phases to indicate installation stages or highlight specific trays, adjusting graphics per phase. Filled Regions: Manually hatch trays for custom visual representation, though this is more time-consuming.

Placement and Coordination

When placing cable trays, ensure proper middle elevation and avoid conflicts with other elements like lights or transformers. Revit allows single-line or detailed views showing rungs, which can be chosen based on clarity and documentation needs.

Best Practices

Set up templates and load fitting families before starting design. Configure Cable Tray Settings early to maintain consistent annotations. Use filters or phases for clear visual differentiation in drawings.

Check routing preferences to ensure automatic fitting generation works correctly. Coordinate elevations to avoid clashes with other MEP systems. By combining these settings, type properties, and view filters, you can achieve accurate, clear, and standardized cable tray markings in Revit MEP projects.

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Article Content

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 tray that is 12 inches high and 4 inches deep would be shown as 12" x 4".

Help | About Cable Tray Options Bar Settings | Autodesk

Specifies the vertical elevation of the cable tray relative to the current level. You can enter an offset value or select from a list of remembered offset values.

Setting Up Cable Tray in Revit MEP: A Step-by-Step Guide

Walk through placing cable tray in Revit MEP—loading fittings, setting routing preferences, drawing runs across floors, and resolving clashes with ducts and conduit.

Learn REVIT Fast LRF-ELEC-01-03 – Cable Tray – Revit news

This lesson walks through how to start a project and properly set up for Electrical Cable Tray design in Revit 2025. It focuses on template selection, component availability, and basic setup steps.

Revit 2026 MEP Placing cable tray conduits and electrical settings

How to place cable and use cable tray fitting. How to place conduit to cable tray and electrical settings

Revit Electrical Live Tutorial Cable tray & Conduit Setting.

Creating Cable Trays: The presenter may demonstrate various methods for creating cable trays within Revit, including using standard families, customizing sizes, and adjusting parameters...

Revit Electrical Settings Guide | PDF

The document outlines various electrical settings in Revit including wiring specifications, voltage definitions, distribution systems, conduit and cable tray sizes, and load calculation methods.

Setting IFC Material Overrides for Cable Tray and Conduit

To solve this, we need to generate materials based on the Service Type, then apply them via the IfcSingleMaterialOverride parameter. The most reliable approach is to set the Service Type at

Revit Tip – Creating ''Rotated'' Cable Tray using a Face-Based family

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This principle can also be applied to Cable Trunking and Ductwork as well! A face-based family will host onto any surface and will enable the cable tray to follow a wall length or follow its

Search results for ''cable tray expansion joint'' | ARCAT

Search results for ''cable tray expansion joint'' in architectural information on building materials, manufacturers, specifications, BIM families and CAD drawings.

NYT Connections archive

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Electrical Cable Tray Edit Changes Color Filter To White

I''m looking for some help on electrical cable tray and using filters. I have several filters setup for cable tray colors and voltage levels. When i move or edit a cable tray Revit changes the

Basic tasks for MEP fabrication detailing

10. Once you are finished making changes to the fabrication settings, click OK to close the dialog. Converting Revit design content to fabrication parts A single element, such as a duct, pipe,

Cable Tray Jobs in the Middle East (Jul 2026)

Apply now to over 130 Cable Tray jobs in Middle East and Gulf and make your job hunting simpler. Find the latest Cable Tray job vacancies and employment opportunities in Middle East and Gulf.

AutoCAD & Revit Tools

Understanding electrical settings and preferences. Cable Tray Design: Creating cable tray layouts using different tray types and sizes. Modifying and customizing cable tray systems.

Solved: Cable tray in section views

We are wanting to see a more accurate depiction of cable trays in our section views. Currently the cable tray appears similar to a duct or opening, (a

How can we add reducer to custom cable tray family in the project?

Like it places the reducer when we connect two cable trays with different widths (this is working in the revit project after loading into the project), and that''s what I want to know.

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Revit Electrical Live Tutorial Cable tray & Conduit Setting.

This video is related to Revit Electrical cable tray & conduit setting InformationIn this live video session focused on electrical cable tray and conduit des...

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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