

RIVO MULTITRADE OPTICAL SYSTEMS

Revit does not have ladder-shaped cable trays



Overview

Issue: Users reported that cable tray Ladder-type fittings are not visible in the plan view and sections in Revit.

Key Takeaways

Revit does not display ladder-type cable trays in some projects because they are system families, not loadable families, and may need to be transferred from the default electrical template or another project. Why Ladder-Type Cable Trays May Be Missing

In Revit, cable trays are system families, similar to ducts and pipes, which means they cannot be loaded like typical Revit families. Only the fittings (bends, T-junctions, crosses) are loadable families. If your project template does not include ladder-type trays, only channel or other default types may appear. Custom templates often have a limited set of cable tray types, which is why ladder trays may be absent.

How to Access Ladder-Type Cable Trays

- Use the Default Electrical Template: Start a new project using the Revit default electrical template, which includes all standard cable tray types, including ladder, channel, and trough.
- Transfer Project Standards: If you have a project with ladder-type trays, go to the Manage tab → Transfer Project Standards, and select Cable Tray Types to copy them into your current project.

- **Duplicate and Modify Existing Types:** Select an existing cable tray in the project, right-click, and choose Duplicate. You can then assign the desired fittings and adjust parameters to mimic ladder-type trays .

Display Issues in Plan View

Sometimes ladder-type fittings may not appear in plan or section views. To fix this:

- Select the cable tray fitting in the project.
- Open the Properties Dialog and turn off "Use Annotation Scale" .
- If necessary, temporarily change the category to Electrical Equipment, load it into the project, then revert it back to Cable Tray Fittings to ensure visibility .

Customization Limitations

While fittings can be modified for thickness or flange size, straight runs of ladder trays cannot be fully customized in Revit; only the system family parameters like height or width are adjustable . For presentation purposes, some users resort to detailing or keynotes to indicate material thickness.

Summary

Ladder-type cable trays are not missing due to a software error but because of system family limitations and template settings. Using the default electrical template, transferring project standards, or duplicating existing types are the main ways to access and display ladder-type trays in Revit projects. Display issues can often be resolved by adjusting annotation scale or temporarily changing the family category.

Article Content

Cable tray ladder fittings not visible in plan view in Revit

Issue: Users reported that cable tray Ladder-type fittings are not visible in the plan view and sections in Revit.

Solved: Cable Tray Types

Open a new project and browse for the Electrical-Default template. This should include all the cable tray types. Then

Cannot Load Cable Tray Family

So I have a template that I work out of that has a single cable tray type loaded. I can load cable tray "Fittings "families

Specific cable tray families are missing in Revit

Specific cable tray families are missing in Revit. They do not appear in the library. System families are predefined in

RevitCity | Objects | Search For ladder cable tray

Width of the ladder is fixed, so there's a challenge for anyone who wants to edit it and make a version with adjustable width. This

Ladder Cable Tray

Download this free RFA Revit Family of a ladder cable tray, also known as a cable ladder, ladder-type cable tray, or ladder tray

Cable tray and systems, there has to be a better way : r/Revit

The open face always has to face up which is not always how we install it. We also have a shared parameter for the compartments

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

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

Revit 2018 Electrical cable trays not visible

Hi Working with Cable ways. *When i go to my floor plan to draw my cable tray from my "System tab" it doesnt show

Error: Revit reports that a cable tray fitting is not loaded ...

The Cable tray type is corrupted. To solve this issue: Duplicate another cable tray type (do not duplicate the type that

Solved: Cable Ladder fittings

Hi there, I'm working with cable ladder on a project in Revit 2017. I loaded all vertical and horizontal fittings into the

Electrical: Use cable trays

Cable tray in Revit went from non-existent to pretty awesome. What this video will illustrate is how to run a ladder cable tray. We will

Re: Cable Ladder Routing

You can do it by swapping the width and height values but the problem is that with cable ladder the "rungs" will be in

Change 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

Designing Cable trays and Cables.

As far as the cable trays, Revit has Ladder and Trough types. The Wire basket and Solid Bottom types are variants of

Cable Trays missing when linking IFC to Revit

The Cable Trays Fittings and other IFC elements are recognized, but the Cable Trays themselves are not visible. The

A New Cable Tray Family

Please find attached a zip of cable ladder families I have created in revitMEP 2010. All based on unistrut metric

Modeling cable tray vertically

In the Type Selector, select Cable Tray with Fittings: Ladder Cable Tray. In the Options Bar, set up the size to Width: 8", Height 2",

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