GDR Telecom Site Energy Systems

How to flip the left and right cable trays

Overview

It is not possible to rotate cable tray about its cross-section axis, but with beams you can. Whilst this can be achieved with structural beam elements, this cannot be achieved with the out of the box cable tray families. Also, is it possible to place a new cable trays inverted in such a way that the bottom of the cable tray is upside?

I welcome any ideas or suggestions. The creation of cable tray elements is equally simple, making use of the static Create method on the CableTray class. Document, a second generation API automatically generated. Although Smart Tray was a powerful tool from the begining with many functions. I have added two additional functions. Above lights, below ducts — coordinate with ceiling plenum. Tees, crosses, and reducers handle every direction change. Noble Desktop's Revit MEP Certification Course covers Revit fundamentals — a strong foundation before specializing in mechanical. This entry will show the pro's and con's on the workarounds currently used for vertical (face-based, if you will) cable trays.

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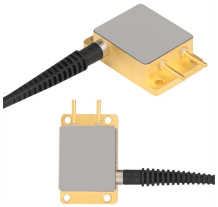
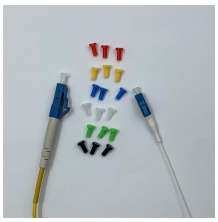
	You can sort of do it by drawing a vertical piece of tray (eg by making a vertical offset) and then rotating that in a section. Only issue is that Revit does get confused about height vs width when you do that ...
	A face-based family will host onto any surface and will enable the cable tray to follow a wall length or follow its height direction with the simple pressing of the space bar key.
	The user can now create a cable tray run between the head and tail of the branch, using the mouse, the quick routing handles and the options available from the Model Editor.
	The problem comes when creating the cable trays in different planes, because then the cable trays are not oriented appropriately well by default by the creation methods, and there is no way to specify ...
	With Smart Tray you can flip the straight trays to change length from their opposite end, you can also flip the bends which are upside down.

The ceiling void where the cable trays would be located is very very shallow so for maintenance purposes the engineers have decided to invert the trays in that section then fix it to the ...



The workaround to the problem above, is to first place a cable tray fitting at the correct elevation, even before drawing the cable tray route. Rotating the cable tray elbow will allow you to then specify the ...

Just navigate in, and then I''m going to go ahead and slide my cable tray over so it''s right there, lined up very nicely. But if I look down this line, you''ll notice I have where it crosses some things.

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To do this, you might need to generate the geometry in Dynamo, rather than using system families based on curves. In this example, I have created a cable tray as a DirectShape (similar to an ...

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