



VIVA RAILINGS[®]

LEADERS IN ARCHITECTURAL RAILING SYSTEMS

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Stair & Landing Railing Workflow Video

FINAL Script Version

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Document Overview

This document is a video script for a "Stair & Landing Railing Workflow" tutorial for VIVA Railings in Revit. It outlines how to model VIVA Railings' stairs and landings using the glass and metal railing systems. The script covers selecting and copying railing systems, and adding stair and landing railings. It also mentions where to download Revit models (BIMobject.com) and how to contact Viva Railings for more information.

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## Stair & Landing Video Description Intro

This video shows how to model STAIRS and STAIR LANDINGS using Viva Railings' glass and metal railing systems in Revit. Enabling you to more easily incorporate the Viva Railing systems into your design intent project models.

## Intro for Videos

VIVA Railings offers Revit models covering their wide range of glass and metal railing systems with custom solutions to support architects and designers to accurately represent THEIR products in design projects.

The railings systems are delivered in a Revit Showcase project file with a Start Up page. The opening page has information about how to bring the railing systems into projects and supports beginner, intermediate and advanced Revit users.

There are metal, glass, cable and cablenet panel systems to choose from. And of course custom designs are possible by contacting Viva Railings.

## Stairs & Stair Landings Workflow

### Audio 01

To help you design from the selection of railing products, sample railing systems of each product series have been created for your reference and use. Once you choose the panel AND mount type that fits your needs, you can look at that specific design example to envision and better understand how the railing system is modeled.

Once identified, you can select and copy the desired railing system into your design project.

### Audio 02

To model a Viva Railing system, use the Railing tool to select the panel and mounting type for your design. To model stair railing sections, select the railing type with STAIRS appended to the type name.

### Audio 03

Create the railing path by picking the start and end points for the lower stair railing. Then pick the stairs as the host for the railing.

Repeat this process for the upper stair railing.

**Audio 04**

Next select the Stair Landing railing system and pick the start point at the end of the lower stair railing. Then use the start of the upper stair railing as the endpoint for the stair landing railing. Pick the stairs as the host.

**Audio 05**

To adjust the top rail to align with the upper stair railing, Edit the Rail Path and lengthen or shorten it to connect the top rails.

**Audio 06**

To further refine the railing system, it is best to do so in a Section view. In the section view, tab over the top rail you want to edit, so it is isolated. Then use the Edit Path tool to delete the short stub segment that is not needed.

**Audio 07**

Repeat this process for the other top rails.

**Audio 08**

To align the ends of the top rails, you can go to the plan view and edit the path to make the minor adjustments.

**Audio 09**

Next, go to the Section view to create a single handrail for the entire stairs. Tab over the handrail until it is isolated and then select the Edit Rail tool.

**Audio 10**

Use the Edit Path tool and delete any portion of the handrail that is not needed.

**Audio 11**

Stay in the Edit Rail tool and draw lines over the upper stair handrails. Use the Trim/Extend tool to connect the new drawn lines with the original handrail for the lower stair railing.

**Audio 12**

To align the handrail to the handrail supports on the landing and upper stair railings, pick on the handrail lines and move them to the appropriate location.

**Audio 13**

Once the single handrail for the entire stairs has been created, you can delete the individual handrails for both the landing and upper stair railings.

**Audio 14**

Because the stair landing panels require non-standard panels, custom stair landing panels have been created for this purpose.

**Audio 15**

If you have copy and pasted a sample railing system into the project, you can copy the sample system's custom landing panel.

**Audio 16**

Once placed, you can move it to the correct location and adjust the length with the grips.

**Audio 17**

In the Section view, you can adjust the panel using the grips and the panel's parameters. By adjusting the Angle Height for the lower landing panel, you can get the angled panel to the correct position above the stairs.

**Audio 18**

To add the upper landing panel, we'll use the Components Tool. Navigate to the Upper Landing Panel, select the panel material, and drag it to the plan view to place. Rotate it as needed so that it aligns correctly with the landing and upper stairs.

**Audio 19**

Use the grips to shorten the panel and then move it to the desired position. Once placed, adjust it as required.

**Audio 20**

Go to the Section view to make additional adjustments. Use the grips as needed to get close to the desired layout. Then use the Angle Height adjustment to position the angled panel above the stairs.

**Audio 21**

Now that one side of the stair railing system has been modeled, you can use the Mirror tool to copy it to the other side of the stairs.

**Audio 22**

You will need to mirror the stair and landing railing systems separately from the upper and lower landing panels.

**Audio 23**

Once they have been mirrored, go to a Section view of that side of the stairs. Move the panel to the correct location as needed.

## Viva Railings Outro for Videos

That concludes this VIVA Railing workflow tutorial. You can find and download the Viva Railings Revit models on BIMObject.com, to help facilitate more accurate design intent models. Contact Viva Railings for additional information.