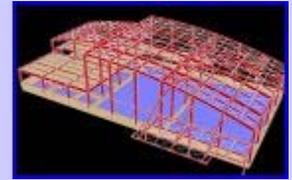




# VirtualWork

A newsletter for customers and friends



Volume 10.7, July 2004

## QuickRDesign 1.0 Release



[QuickRDesign 1.0](#) is now available for [immediate purchase](#). This new tool will streamline your smaller beam and column design tasks. Currently the tool focuses on the design of steel or wood members, though it can also analyze any material.

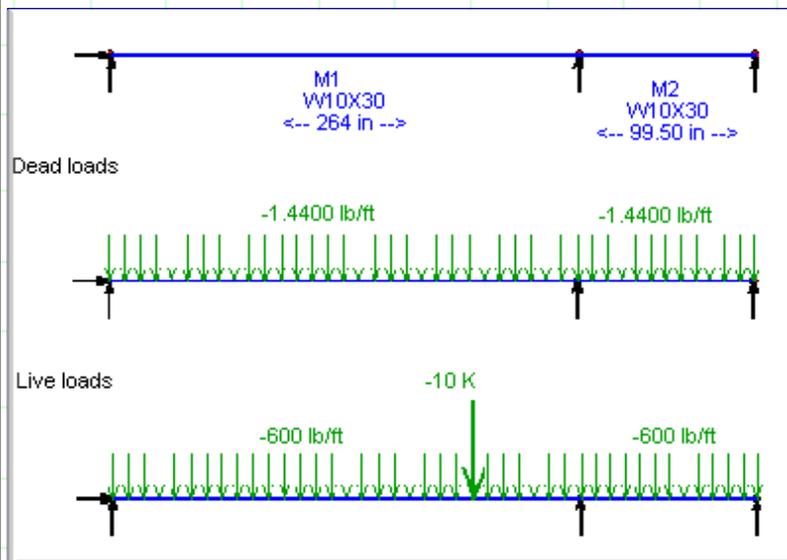
### Why QuickRDesign?

QuickRDesign fills two customer needs:

1. A low-cost stand-alone design tool.
2. A faster, simpler tool for beam & column design.

This 1.0 product is based on proven [VisualAnalysis](#) and [VisualDesign](#) technology, but with a more focused user-interface, making your job easier and faster.

[QuickRDesign](#) uses a wizard to launch your project and utilizes background analysis and automatic reporting. By entering just a few key pieces of information you define the model, loads, load combinations, and design parameters and [QuickRDesign](#) displays the results.



### How Much Does it Cost?

We are offering this tool **free** as part of the [IES Advanced Suite](#). If you already have licensed the [IES Advanced Suite](#) (with [VisualDesign](#) version 5.1), you will soon be receiving

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## Loaded with Features!

[Hidden Features in VisualAnalysis, Part 2](#)

Continuing our [series](#) of "*It already does that!*" features in [VisualAnalysis](#) that we began last month, we look to loading tips and tricks in this issue. Our goal here is to help you get the most out of your IES tools!

### Member Loads

Believe it or not you do not have to split members in order to apply point loads at nodes in [VisualAnalysis](#). The ability to apply member loads ANYWHERE on the member without a node has been in the software since 1994. (Don't laugh, this was standard practice in 1984 and some habits die hard!)

### Applying Multiple Loads

Are you tediously applying one load at a time? Try this easy trick:

1. Hold the **Ctrl** key and click on the members that you want to load.
2. Then **right-click** the mouse and choose **Apply Member Loads** from the pop-up menu.

### Copying & Scaling Loads

Tired of creating the same kinds of loads on the same members in 3 or 4 load cases? Try this:

1. Select all the member loads in the Model View (**Shift+Click** on a load).
2. Choose **Model | Generate Copies...** to copy the loads to another load case.

a new license key and download information.

If you have purchased or upgraded to VisualDesign 5.1 (other than in the IES Advanced Suite) you qualify for special pricing: get QuickRDesign for **just \$140**, which is the 'extra license' price!

Otherwise, new individual licenses are just \$395 each.

### How Does it Work?

When you start QuickRDesign you create the basic model through a wizard. The "Quick Beam" model is the most common type of project, so here is how it works:



Select a Model Configuration



Define Dead and Live Loads



Specify Design Type, and Load Combinations



Set up Deflection Limits and Bracing

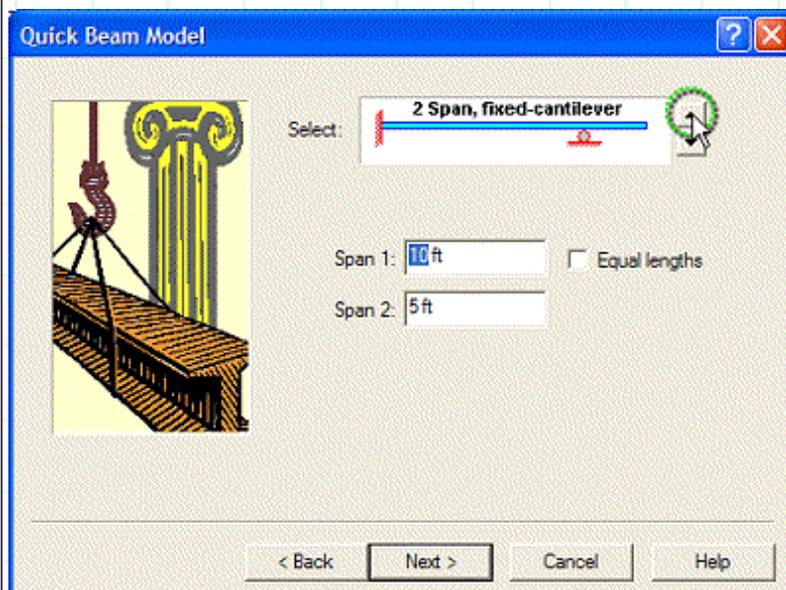


Optionally Design the Member



View the Results, and Print Them!

The entire process is done graphically in just a few minutes for most beams. If you have biaxial bending or a column to design then you specify less information in the wizard and more in the Model View or Design View.



To see these steps in action, view the animated "movie" at the QuickRDesign page. You will also find more information about the capabilities and limitations.

3. In version 5.x you also have the option to scale the loads in a linear ( $Ax + B$ ) fashion by supplying the numerical factors **A** and/or **B**.

### Copy & Paste Loading

You may also copy a load from one member to others using this procedure:

1. Select the load to copy by *clicking*.
2. Choose **Edit | Copy**.
3. Select the members to receive the load and choose **Edit | Paste Load on Selected Members**.

### Calculating Tributary Area Loads

If you have VisualTools, you have the ability to automatically calculate area loads. The Member Load Generator distributes loads in a one-way or two-way fashion. Here's how:

1. Select all the members to receive loads.
2. Choose **Load | Member Load Generator** (in VA 4, use **Tools | Member Load Generator**).

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### Customer Meetings

Terry has been traveling coast-to-coast this summer and taking the opportunity to meet with customers face to face. These meetings are providing IES with valuable insight as to why IES products help you succeed and how we can improve them in the near future.

**Your ideas and insights are just as important!** Please take a minute (perhaps while you are on vacation in August) to make an IES wish list, a gripe list, or just to tell us about something that works well in our tools. Use the suggestion box on our web site or send us an email or a CD in the mail, depending on the size of your list.

### Quick Links:

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