



VECTORWORKS 2024 SOFTWARE TOP FEATURES

CORE TECHNOLOGY

UI Modernization: The updated and modernized user interface makes working in Vectorworks more efficient and easier to customize. The reorganized View and Mode bars bring a wide range of tools to the forefront, so you can decide how to organize and have everything you need right where you need it. And Dark Mode is now available on both Windows and Mac.

Viewport Styles: With new Viewport Styles in Vectorworks 2024, you'll be able to save custom viewport settings as styles, making them easily transferrable between viewports and project files. You'll be able to cut out the tedium of replicating your viewport settings and avoid errors.

- **Plans:** Create custom styles that let you change scale or class and layer visibility so you can change from client-facing drawings to more detailed construction plans quickly and easily.
- **Sections and Elevations:** Quickly generate presentations from your section viewports by changing class visibilities, cut plane attributes and visibilities at the cut plane and beyond.
- **3D Perspectives:** Easily interchange different rendering modes, foreground and background rendering settings and image effects. You can also save your data visualization settings as Viewport Styles for faster application.

Shaded Rendering Shadows and Camera Effects: Create higher levels of realism earlier in your design process with improvements to Shaded Rendering. Take advantage of unlimited shadow casting in real-time processing to assess your designs more confidently on the fly and quickly determine lighting, camera and material setup so you can create better visuals more quickly.

Faster Rendered Section Generation: Creating drawings and navigating your sectioned or clipped model will now be faster than ever before with re-engineered section viewport rendering. You'll get faster and more reliable processing of a model's visible geometry and more efficient creation of Renderworks Section Viewports, speeding up your workflow and optimizing your design process.

3D Dragger Visual Improvements: Experience more freedom when transforming your models. The new 3D Dragger will always appear in front of the selected objects for easy access, and contextual handles for translation, rotation and scale provide comprehensive and intuitive ways to transform selected objects without disruptions. Additional modes like snap-free, planar and auxiliary rotation options give you the control you need to make your modeling process smoother.



Excel Referencing: Experience better connectivity to external project data stored in Excel files. With the new Excel referencing capabilities, you'll be able to create a new reference in Vectorworks, meaning you can opt for automatic updates to referenced files. Additionally, you can make changes in Vectorworks and push the data back to Excel. Save time by eliminating the need to re-import Excel files each time changes are made.

DWG Import/Export Optimization: Eliminate tedious file cleanup with the optimization of DWG import/export capabilities. You'll also save time with a simplified file structure during import that also includes graphic overrides of layer and class settings. Even better, DWG and DXF file export use viewport settings to reduce duplicated data and maintain optimized file sizes.

Project Sharing+: Project Sharing has been rebuilt in Vectorworks 2024 to better ensure project data and geometry are the most current in a project file. Project Sharing+ tracks every change, every time, giving you one less thing to check in your quality assurance process and substantially improves stability regardless of the size of your team or project.

ARCHITECTURE AND INTERIOR DESIGN

Parametric Handrails and Guardrails: Railing Improvements bring you the flexibility and accuracy you need to create more custom configurations. This more efficient workflow includes styled objects and more creation options that interact with other modeled objects like slabs, stairs and site models. The Railing tool will also support guardrails and handrails as well as configurations designed to help you meet building code and accessibility standards.

More Accurate Door and Window Documentation: Thresholds and sills are now better represented within wall closures thanks to more detailed geometry. Plus, more options to control interior and exterior conditions; gaps around doors and windows can be controlled for each side of the opening; and standardized door handing allows for more accurate geometry and data that supports industry standards.

Materials for Doors and Windows: Ensure accuracy and consistency in your designs with new Materials and added Texture control within Door and Window objects, so you don't have to control these 3D attributes through classes. This allows you to set 3D attributes more efficiently and consistently with other objects, allowing for better material costs and embodied carbon calculations.

New Parametric Cabinet Tools: Designing that dream kitchen or bathroom just got easier with the new Parametric Cabinets. You can create and customize configurations or easily replicate popular cabinet styles from more manufacturers. Layout and design built-in cabinetry for any space, creating more realistic visualization and more accurate documentation.

Better Wall Details: Stay in the creative flow with improvements to the Wall tool that brings you the ability to seamlessly switch linear and curved wall modes and to apply multiple



configurations of wall component returns related to inserted objects. You'll save time with a simplified workflow aimed at giving you the flexibility you need with fewer clicks in between.

Wall, Slab, Roof Texturing Improvements: Improvements to wall, slab and roof texturing make it easier to apply textures to any component of these architectural objects. You can either control the texture from the Object Info Palette, apply a texture directly using the texture tool or directly by dragging and dropping from the Resource Manager.

Structural Member Improvements: Streamline your design and documentation processes with improvements to Structural Members. Find greater control over 2D and 3D attributes, material, shape and size of styled and instance-based parameters. And with control of auto-joining and support of Create Objects from Shapes command, you'll save time when designing using these objects.

LANDSCAPES

New Automated Fence Tool: Say hello to the new automated Fence tool. Optimized for simplified and detailed representations, the fence tool supports integrated posts, gates and terrain-conforming options like sloped or stepped. Save significant time while designing in 2D and 3D with accurate material reporting, reducing errors in material specifications.

Legends for Site Model Analysis: Experience better control over the graphical output of your site model snapshot with new legends to help clients understand annotations. A highly customizable color scale provides all the relevant information about slope ranges and elevation values. Additional settings allow you to display customizable site model data, perfect for reference or comparative analyses. Easily visualize data and effectively make and communicate design decisions.

Landmark Color Palette: Vectorworks Landmark 2024 brings you a dedicated color palette to provide efficient, nature-focused color swatches. You'll be able to quickly access the colors you need to clearly communicate your design intentions, saving you time and letting you focus on your design.

LIGHTING AND LIVE EVENTS

Equipment Lists: Track your equipment more efficiently in Vectorworks with new Equipment Lists, a unified equipment and inventory tracking process. You'll be able to consolidate all Spotlight objects in a file into concise reports. You'll also be able to add virtual parts and non-drawn items to your report. Together you'll get concise and accurate reports of necessary equipment that can be easily distributed to clients and vendors alike.



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ConnectCAD Reports Share: Gone are the days of relying on third-party applications and printed paperwork to view project data. With the new Share Reports command, you'll be able to upload design data to [Vectorworks Cloud Services](#) as a configurable worksheet so it can be viewed in a web browser on any device to effortlessly keep your project partners and install team up to date.

3D Rack Workflow: Design faster with the new unified 3D Rack workflow. In the latest version, you'll be able to quickly design and edit equipment racks in 3D, which will automatically create the required 2D objects. You'll lessen your workload while still creating the views you need all through a more user-friendly interface.

Vision Projectors: Projectors in Vision will now function with the familiar lighting algorithm found in Spotlight, allowing them to cast realistic shadows. You'll be able to control color temperature, check projector positioning, focus and keystone in advance, enabling a more accurate previsualization workflow when combining lighting and media projectors.