Vectorworks® Designer
Realize Your Most Inspired Visions

Courtesy of Hotson Bakker Boniface Haden Architects

Vectorworks Designer

1 Flexible
Enjoy the Freedom to Design the Way You Want

2 Versatile
Create, Model, and Present with One Application

3 Intuitive
Works the Way You think

4 Smart
Make a Good Investment in Yourself

Courtesy of Daniel Jansenson

Introducing Vectorworks Designer 2009—the application that beats all others with its new core engine, Parasolid®. With superior 2D and 3D capabilities, you get the total |package. You can tackle larger and more complex models and enjoy higher levels of modeling automation. You can spend less time verifying accuracy and complete-ness and more time designing. And, you can do it all at speeds that are 4-5 times faster than our previous versions. With Vectorworks Designer's flexible platform, there are no limits to what you can do.

Meet Parasolid

Unlike other CAD and BIM applications, Vectorworks Designer 2009 is, at its core, a design application, powered by Parasolid®, our new core engine. Parasolid is simply the best 3D modeling technology available, and it helps you to draw efficiently using the workflow of your choice. Whether your focus is on simple, clean design, or on incorporating the most technically challenging geometric shapes into your work, Vectorworks Designer 2009 empowers you to bring your drawings to life. Together with Parasolid, Vectorworks Designer 2009 is the most reliable, scalable, and feature-rich design application available.

Parasolid is a registered trademark of Siemens PLM Software.

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Flexible: Enjoy the Freedom to Design the Way You Want

With Vectorworks Designer you're not limited to a prescribed workflow, so you have the freedom to work the way you want to work. Incorporate your existing approach to design to make the best use of the skills you already have in-house. Collaborate seamlessly with other professionals and with other software applications. Here are some other things you can do:

Freeform Modeling

Blend, twist, sculpt, and deform. Punch holes. A suite of solids and NURBS surface modeling tools allows you to create any shape and easily explore organic geometry.

Design Anything

Make the entire design shine. Often CAD applications restrict your ability to design beyond a core discipline. Whether it is architecture, landscaping, entertainment, or mechanical design, Vectorworks Designer lets you design everything without having to learn or use additional applications.

Courtesy of DesignARC

Vectorworks Designer

Courtesy of Patrick Immel, The Ash Girl

Courtesy of Dick Clark Architecture

Efficient Workgroup Capabilities

Break up complex projects. Whether you're a sole practitioner subbing out work or a large firm dividing work among different members of the team, Vectorworks Designer workgroup referencing provides a flexible way to split even the most complicated project into manageable pieces.

Easy Translations

Ride the leading edge of digital practice, and move your projects fluidly between design, analysis, and construction packages with Vectorworks Designer IFC 2x3 translator. Read and write AutoCAD® 2009 (and earlier) files with our DWG translator. Send out drawing sets as multi-page PDFs.

Google Friendly

Import concept models from SketchUp® and access thousands of models from Google's 3D Warehouse. Export 3D models to Google Earth®.

Endless Digital Images

Make your work even more compelling and easier to communicate with digital imagery. Import scans, digital photos, or web images. Import or export a wide array of image files, including Illustrator® EPS and native Photoshop® PSD files. Export your design for inclusion into your firm's marketing materials or website.

Cutting Edge 3D

See it in 3D. Send models to 3D CAM machines and 3D printers, or access third-party model content. Vectorworks Designer supports a number of standard 3D file formats, including Parasolid X_T, IGES, SAT, KML, STL and 3DS.

Completely Customizable Programming

Automate routine tasks or create full-blown add-on applications with Vectorworks Designer's self-contained development environment, VectorScript™. It's simple enough for a beginner, yet powerful enough for the most experienced CAD programmer.
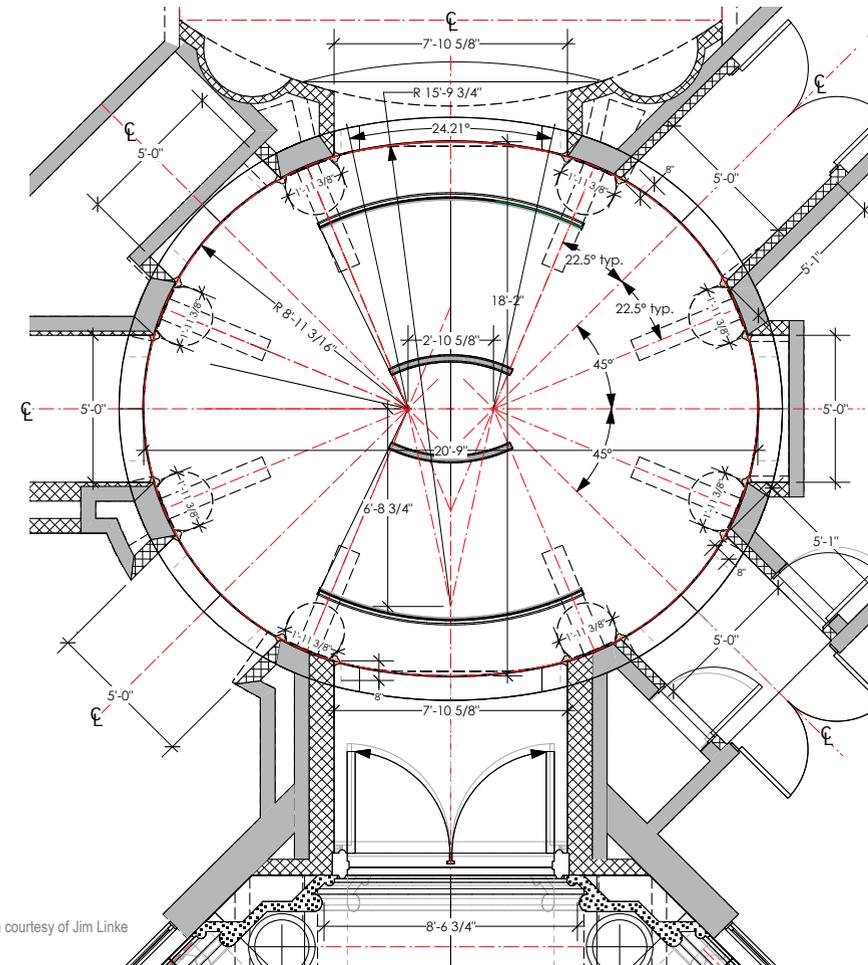
Residential atrium courtesy of Jim Linke

Vectorworks Designer

2 **Versatile: Create, Model, and Present with One Application**

Move easily between tasks. From design concepts, to construction documentation, and every design phase in between, Vectorworks Designer marries precision 2D drafting and flexible 3D modeling with state-of-the-art technology. Create, model, and present easily and precisely with one application. With Vectorworks Designer, you can do it all.

Vectorworks Designer boasts a comprehensive set of design tools to support your entire practice. You have complete functionality for:

Powerful Conceptualization
Find your inspiration and start drawing. Or if you would like, import hand sketches, pictures of the site, and even documents from other applications. Invoke ideas in 2D, and explore them in 3D with free-form models.

### Innovative Building Information Modeling (BIM)
Adopt BIM without having to "re-invent" your firm's workflow. Vectorworks Designer's approach to BIM lets you improve your design process instead of trying to replace it. With BIM, you can work faster while reducing drawing errors. Cutting-edge capabilities link plans, elevations, sections, perspectives, reports, and even rendered views, so a change to one updates the others. Query the model for information at any time, and using the Industry Foundation Classes (IFC) standard, move your building models to a growing selection of validation, analysis, and construction applications. For more, check out www.vectorworks.net/BIM

Courtesy of Jeffrey Gordon Smith
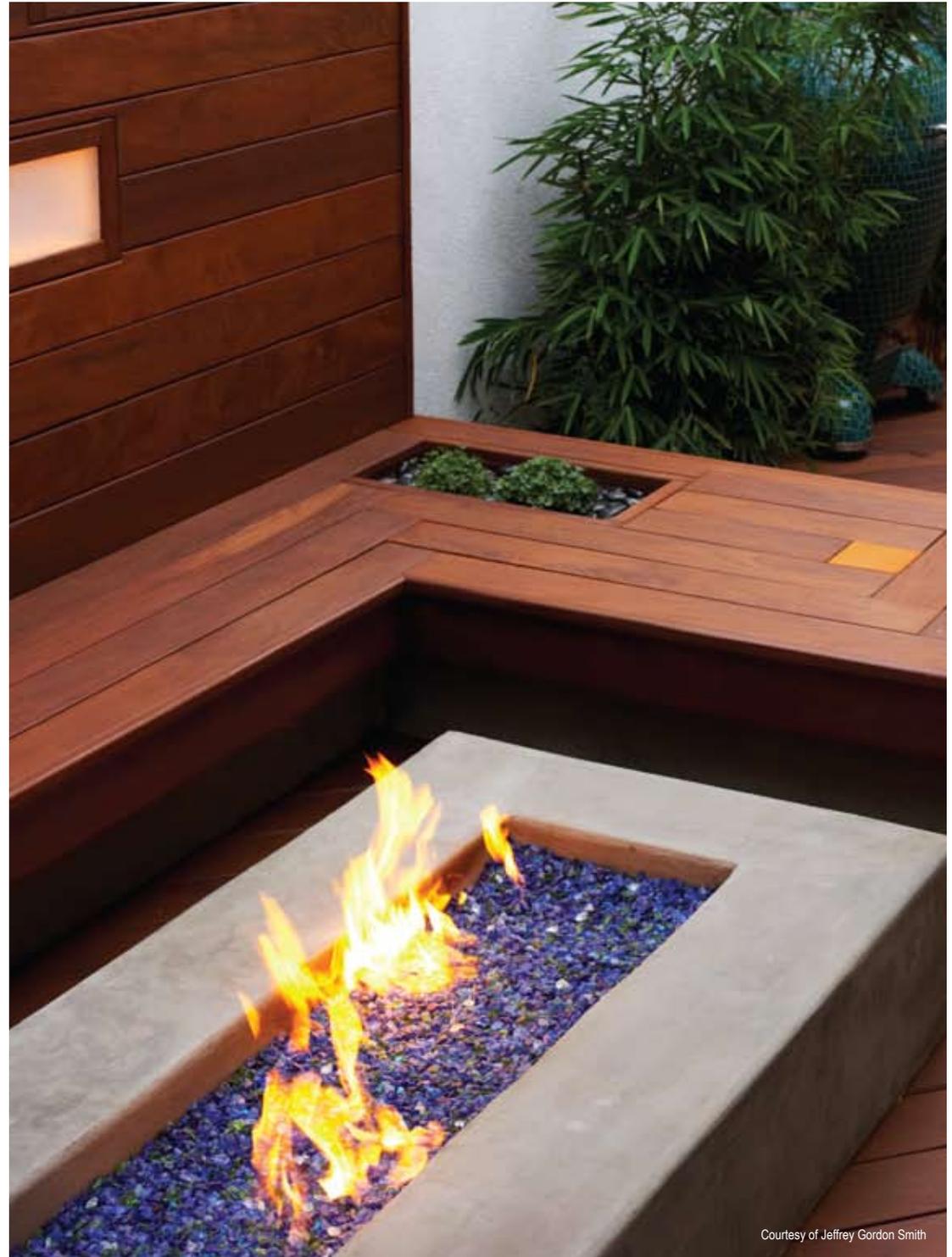
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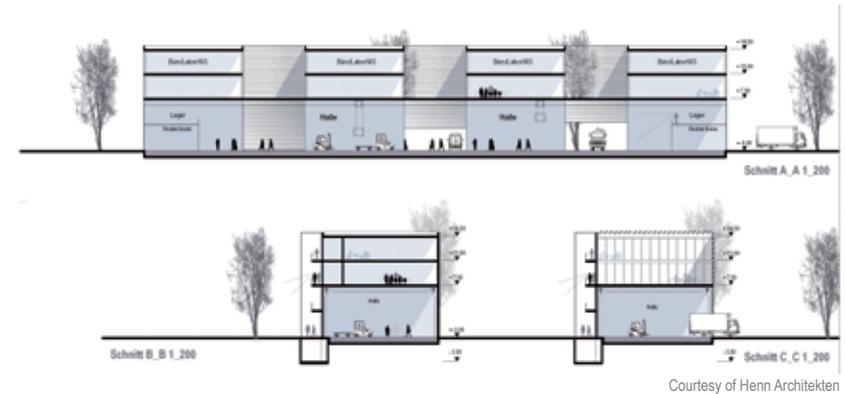
Courtesy of Henn Architekten

Superior 2D

Produce high quality construction documents with ease. Vectorworks Designer offers precision 2D drafting tools, along with intelligent objects for building, detailing, MEP, furniture, millwork, annotations, and thousands of free symbols from leading building product companies. A centralized database enables you to store, manage, and recall notes. Vectorworks Designer's Issue Manager keeps track of what, when, and to whom files were issued, and it automatically dates your title blocks. Batch print drawing sets or export them as multi-page PDFs at full or reduced sizes.

Automatic Reporting and Analysis

Stop counting items in your drawings. Automatic data tracking does the tedious work for you. The application goes further than automated schedules, materials takeoffs, and bill of materials lists. It provides a user-defined way to assign specific data to any object and create custom reports. Since the report and the drawing can be linked, a change in one will update the other.

Unique Presentations

Define and communicate your signature look with our advanced, high-end technology that's famous for helping our users achieve beautiful, graphically rich presentations. Tap into our large libraries of entourage and unlimited palettes of colors. Your style is not limited by "cookie-cutter" looks. Add gradients, image fills, stipples, and hatching. Easily import digital images and graphics. Use our exclusive sketch rendering technology to change hard-lined drawings into soft, hand-sketched illustrations. Unique page layout capabilities make it simple to arrange presentation boards.

Renderworks

Plug in Renderworks to create photorealistic renderings or choose an artistic rendering option to make your scenes look hand drawn. Renderworks is seamlessly integrated—you won't waste time importing and exporting the model as the design changes.

Courtesy of King & King, Architects LLP

Courtesy of Melville Thomas Architects, Inc.

3

Intuitive: Works the Way You Think

Easy-to-use Interface and Drafting Tools

Do what you like to do best—design. You won't waste time getting up to speed because Vectorworks Designer's simple, customizable interface and what-you-see-is-what-you-get display make it easier to learn and use than standard CAD applications. No matter what you're switching from, Vectorworks Designer's interface will be familiar. Vectorworks' SmartCursor™ technology replaces manual drafting tools, so even inexperienced CAD users can make the switch easily.

Tailored for Your Success

Work in tandem with the application. Vectorworks Designer is designed to think the way you think, so you can design anything you dream up. Vectorworks Designer maximizes the exclusive technology from all our design products—Fundamentals, Architect, Landmark, Spotlight, and Machine Design. It offers the largest set of tools available in any CAD application. No matter what you're working on, there are specialized tools to help you get your job done efficiently and effectively.

Courtesy of Bil Taylor Associates, Inc.

Vectorworks Designer

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Smart: Make a Good Investment in Yourself

Affordable, customer-focused, and proven worldwide—Vectorworks Designer is a smart investment in you.

Affordable

You won't find another professional design application that includes so much for such a reasonable price. In one package, you get state-of-the-art tools and technology and the ability to work from conception to completion—a great value. You also get free software updates and affordable upgrades. With free technical support and affordable training options, you get value far beyond your initial savings. We never force subscriptions, so you're free to upgrade when and how you choose. As your business grows, we add extra seats at a discounted price. We offer a lot of great value and no hidden fees.
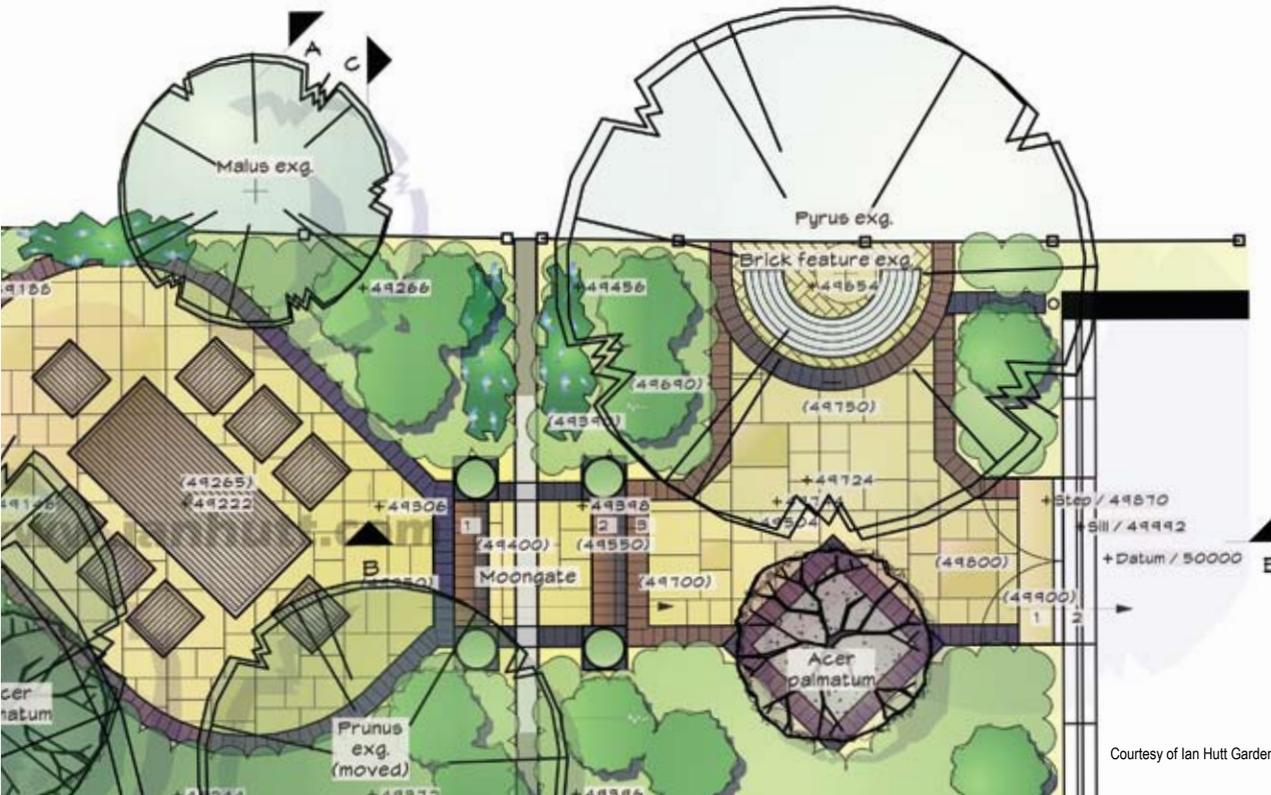
Customer-focused

Relax. We're here for you every step of the way. We listen and learn from your input—that's how Vectorworks Designer is created. So your relationship with us doesn't end when you install the software. We provide many channels for you to get the information you need. If you'd like training, take advantage of our multiple offerings: onsite, online, or in the classroom. If a technical issue stumps you, contact our technical support team for help. You can also tap into our Vectorworks community with over 450,000 enthusiastic users worldwide and user groups on the local level. E-mail listservs provide assistance around the clock, or you can use a service directory and job board to find help.

Vectorworks Designer users often find themselves in Internet-based dialogues with our engineers and managers. We take pride in cultivating lasting relationships with our users, and we translate their feedback into positive product developments. With your input, we can continue to develop software that exceeds your expectations. After all, your success is our success.

Courtesy of Jim Woodward

Proven Worldwide

Be part of a long tradition of excellence. Vectorworks was founded over 20 years ago, and now counts more than 450,000 professional designers worldwide. We listen to our customers and use their feedback to create a product that continually exceeds their expectations, delivering superior design flexibility and world-class graphics.

Vectorworks is the best-selling cross-platform professional CAD software and the preferred application for world-renowned and award-winning designers who move the design world forward every day.

Vectorworks Designer is produced by Nemetschek North America, a wholly owned subsidiary of Nemetschek AG, which is the world's leading IT company for the design, construction, and management of buildings and real estate. Nemetschek North America's software solutions are used by design professionals in 142 countries and translated into eight languages.

With Vectorworks Designer 2009, the tradition continues.

Courtesy of Thomas Woodman Architects

Minimum System Requirements
Mac OS X 10.4.11 or later
Mac OS X 10.5.4 or later
QuickTime 7 or higher
PowerPC G5 or newer
Intel Core 2GHz or better

Windows XP SP 3
Windows Vista SP 1
QuickTime 7.2 to 7.5
(higher versions not recommended)
Pentium 2GHz or better

Vectorworks Fundamentals
RAM 2GB
Hard drive space 10GB free

Vectorworks Fundamentals plus Renderworks
RAM 4GB
Hard drive space 10GB free

Vectorworks Designer
RAM 2GB
Hard drive space 10GB free

Vectorworks Designer plus Renderworks
RAM 4GB
Hard drive space 10GB free

See www.vectorworks.net/sysreq for updated information.