

## Vectorworks 2009 Feature Matrix

<b>3D Modeling</b>	<b>Fundamentals</b>	<b>Architect</b>	<b>Landmark</b>	<b>Spotlight</b>	<b>Machine Design</b>	<b>Designer</b>	<b>Renderworks</b>
Create Fillet Surface Improvement	✓	✓	✓	✓	✓	✓	
Create Generic Solids when using 3D tools	✓	✓	✓	✓	✓	✓	
Cut and Fill Calculation in Site Model Improvements		✓	✓	✓		✓	
Extrude Along Path Functional Enhancement	✓	✓	✓	✓	✓	✓	
Fillet and Chamfer NURBS Curves	✓	✓	✓	✓	✓	✓	
Protrusion/Cutout Tool Enhancement	✓	✓	✓	✓	✓	✓	
3D Tapped Holes					✓	✓	
3D Wall Improvements	✓	✓	✓	✓	✓	✓	
Site Modifiers Applicable to Existing Site Models		✓	✓			✓	
Variable Radius Fillet across Tangentially Connected Edges	✓	✓	✓	✓	✓	✓	
<b>Workflow</b>	<b>Fundamentals</b>	<b>Architect</b>	<b>Landmark</b>	<b>Spotlight</b>	<b>Machine Design</b>	<b>Designer</b>	<b>Renderworks</b>
Batch Export VectorWorks Layers as Separate DXF/DWG Files	✓	✓	✓	✓	✓	✓	
Custom Workspace Enhancements	✓	✓	✓	✓	✓	✓	
Drag and Drop Import		✓	✓	✓	✓	✓	
DWG/DXF 2009 Export Support	✓	✓	✓	✓	✓	✓	
DWG/DXF Import Support for ADT Objects	✓	✓	✓	✓	✓	✓	
DWG/DXF Support – Export Hatches on Separate Layer	✓	✓	✓	✓	✓	✓	
Import and Export of Parasolid X_T files	✓	✓	✓	✓	✓	✓	
Improved DWG/DXF Support of Referenced Files	✓	✓	✓	✓	✓	✓	
Open Reference from Navigation Palette Command		✓	✓	✓	✓	✓	
User Name		✓	✓	✓	✓	✓	
Visibility Tool		✓	✓	✓	✓	✓	
New auto-classing in Roofer Objects	✓	✓	✓	✓	✓	✓	
Number Instruments Improvements				✓		✓	
Polyline Arc Improvements	✓	✓	✓	✓	✓	✓	
Real-Time LightWright Import/Export				✓		✓	
Unfolding Surfaces		✓	✓	✓	✓	✓	
<b>Usability</b>	<b>Fundamentals</b>	<b>Architect</b>	<b>Landmark</b>	<b>Spotlight</b>	<b>Machine Design</b>	<b>Designer</b>	<b>Renderworks</b>
Enter Group Improvements	✓	✓	✓	✓	✓	✓	
Improved Send Forward and Send Backward Commands	✓	✓	✓	✓	✓	✓	
Improved Snapping	✓	✓	✓	✓	✓	✓	
Improved usability in Revision Cloud object	✓	✓	✓	✓	✓	✓	
New Data Bar Options	✓	✓	✓	✓	✓	✓	
New length control options for Drawing Label	✓	✓	✓	✓	✓	✓	
New Worksheet Functions	✓	✓	✓	✓	✓	✓	
Object Info Palette Enhancements	✓	✓	✓	✓	✓	✓	
PDF Snapping		✓	✓	✓	✓	✓	
Pre-Selection Indication	✓	✓	✓	✓	✓	✓	
Resource Browser Improvements	✓	✓	✓	✓	✓	✓	
Worksheet Rows/Columns Drag and Drop	✓	✓	✓	✓	✓	✓	
Workspace Usability Improvements	✓	✓	✓	✓	✓	✓	
Zoom In Worksheets	✓	✓	✓	✓	✓	✓	
Add Nut and Washer Options to J-Bolt		✓			✓	✓	
Column and Pilaster Improvements		✓	✓	✓		✓	
Create Plot & Model View				✓		✓	
Customizable Roofs in Massing Models		✓	✓			✓	
Framing Member object Improvements		✓				✓	
New "Show Teeth" Option in 3D Bevel Gears					✓	✓	

Plant Tag Improvements			✓				✓	
Space Object Improvements		✓					✓	
Stair Improvements		✓					✓	
<b>Productivity</b>	<b>Fundamentals</b>	<b>Architect</b>	<b>Landmark</b>	<b>Spotlight</b>	<b>Machine Design</b>	<b>Designer</b>	<b>Renderworks</b>	
Design Layer Viewports: Eyedropper Support for Viewport Attributes		✓	✓	✓	✓	✓		
Design Layer Viewports: Reference Deletion Improvements for Matching Resources		✓	✓	✓	✓	✓		
Design Layer Viewports: True Referencing of Dash Styles		✓	✓	✓	✓	✓		
Duplicate Array Command for Objects in Walls	✓	✓	✓	✓	✓	✓		
Improved Offset Insertion Mode for 2D Symbol Insertion	✓	✓	✓	✓	✓	✓		
Move Command for Objects in Walls	✓	✓	✓	✓	✓	✓		
Navigate Back to Design Layer Viewport from Design Layer		✓	✓	✓	✓	✓		
Position symbol in wall	✓	✓	✓	✓	✓	✓		
Retain Design Layer VP Overrides in Sheet Layer VP		✓	✓	✓	✓	✓		
Similar Object Creation		✓	✓	✓	✓	✓		
Automatic Universe Assignment				✓		✓		
Duplicate Array Command for Objects in Walls	✓	✓	✓	✓	✓	✓		
Improved Offset Insertion Mode for 2D Symbol Insertion	✓	✓	✓	✓	✓	✓		
Improvements in "Create Joist from Poly..." Command		✓				✓		
Improvements to Threaded Shape Pane of Shaft Dialog					✓	✓		
New Landscape Area Tool			✓			✓		
Roof Framer Improvements		✓				✓		
Wood Screws		✓			✓	✓		
<b>New &amp; Updated Symbols</b>	<b>Fundamentals</b>	<b>Architect</b>	<b>Landmark</b>	<b>Spotlight</b>	<b>Machine Design</b>	<b>Designer</b>	<b>Renderworks</b>	
New Aga & Rayburn Ranges		✓				✓		
New Architectural and Landscape Light Fixtures		✓	✓	✓		✓		
New Australia & New Zealand Structural Shapes		✓	✓	✓	✓	✓		
Updated Cabinet Pulls	✓	✓	✓	✓	✓	✓		
Updated Default Stairs		✓				✓		
New Metric Electrical Accurate Lamps		✓	✓	✓		✓		
New Loewen Windows and Doors		✓				✓		
Updated UK Metric Wall Styles		✓				✓		
New Molding Profiles from Copper Beech Millwork		✓		✓		✓		
New Atlas Sound Audio Symbols				✓		✓		
New Banquet Furniture		✓		✓		✓		
New Color Kinetics Lighting Symbols				✓		✓		
New d&b Audio Symbols				✓		✓		
Updated Door Hardware		✓	✓	✓		✓		
New EAW Audio Symbols				✓		✓		
Updated Gradients	✓	✓	✓	✓	✓	✓		
New James Thomas Lighting Symbols				✓		✓		
New James Thomas Trusses				✓		✓		
New Landscape Objects			✓			✓		
New Landscape Stipples			✓			✓		
New Meyer Sound Laboratories Audio Symbols				✓		✓		
Updated Clay Paky Lighting Symbols				✓		✓		
Updated Coemar Lighting Symbols				✓		✓		
Updated High End Lighting Symbols				✓		✓		
Updated Martin Lighting Symbols				✓		✓		
Updated Selecon Lighting Symbols				✓		✓		
Updated Vari-Lite Lighting Symbols				✓		✓		
New Weathershield Windows and Doors		✓				✓		
<b>Rendering</b>	<b>Fundamentals</b>	<b>Architect</b>	<b>Landmark</b>	<b>Spotlight</b>	<b>Machine Design</b>	<b>Designer</b>	<b>Renderworks</b>	

Texturing Improvements							✓
3 New product lines for Forbo Flooring Textures							✓