2019
NEW FEATURE MATRIX

	F FUNDAMENTALS	A ARCHITECT	L LANDMARK	S SPOTLIGHT	B BRACEWORKS	V VISION	D DESIGNER
SIMPLIFY YOUR WORKFLOWS							
Customize Your Drawings with 2D Components for Hybrid Objects	●	●	●	●			●
Benefit from BIM-Ready Building Libraries		●	●	●			●
Save Time with Data Tags		●	●	●			●
Benefit from Advances in Marionette		●	●	●			●
Simplify the Data Handover with COBie Worksheets		●	●	●			●
Better openBIM with Custom IFC Export		●	●	●			●
Easily Create Concept Layouts with Image Effects	●	●	●	●			●
Increase Efficiency with Improved PDF Workflows		●	●	●			●
Improve Collaboration with Revit		●	●	●			●
Discover Streamlined Section Drawing Creation		●	●	●			●
ENHANCE YOUR MODELING PROCESS							
Create Remarkable Presentations with New Clip Cube Options	●	●	●	●			●
Save Time Specifying with New Object Catalogs		●	●	●			●
Quickly Capture Site Data with Point Cloud Enhancements		●	●	●			●
Speed Up Your Modeling Process with Subdivision Iterations	●	●	●	●			●

	F FUNDAMENTALS	A ARCHITECT	L LANDMARK	S SPOTLIGHT	B BRACEWORKS	V VISION	D DESIGNER
Increase Accuracy with Non-Horizontal Ceilings and Floors in Space Objects		●	●	●			●
Improve Space Planning with Space Styles		●	●	●			●

ENJOY EXCEPTIONAL QUALITY

	F FUNDAMENTALS	A ARCHITECT	L LANDMARK	S SPOTLIGHT	B BRACEWORKS	V VISION	D DESIGNER
Save Time with Multiple-Core Support for the Vectorworks Graphics Module	●	●	●	●			●
Improve Collaboration with Better DWG Imports and Exports	●	●	●	●			●
Work Faster with the Vectorwork Graphics Module on Sheet Layers	●	●	●	●			●
Enjoy Simpler Title Block Management		●	●	●			●
Improve Navigation with Layer and Class Filtering	●	●	●	●			●
Increase your Efficiency with Improved Stairs		●	●				●
Discover Peace of Mind with Project Sharing Diagnostics		●	●	●			●
Easily Handle Changes with Improved Chain Dimensions	●	●	●	●			●
Take Control with Improved Flyover Sensitivity	●	●	●	●			●

ADVANCE YOUR SITE DESIGN

	F FUNDAMENTALS	A ARCHITECT	L LANDMARK	S SPOTLIGHT	B BRACEWORKS	V VISION	D DESIGNER
Simulate Vehicle Turn Requirements with AutoTURN Online		●	●	●			●
Streamline Site Modeling with 3D Sculpting		●	●				●

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Save Time with Plant Data Sources			●				●
Simplify the Creation of Planting Plans			●				●
Gain Efficiencies with Hardscape Components			●				●

CREATE UNMATCHED EXPERIENCES

	F	A	L	S	B	V	D
Easily Place Fixtures and Model with Spotlight Objects in 3D				●			●
Discover Better Console Collaboration with My Virtual Rig				●		●	●
Gain More Control with 3D Label Legend Improvements				●			●
Discover the Improved Lighting Instrument Tool				●			●
Improve Precision with New Projector Screen Creation Mode				●			●
Increase Efficiency with the Spotlight Numbering Command				●			●

RIGGING FEATURES

	F	A	L	S	B	V	D
Zoom In on Issues with the Braceworks Heat Map					●		
Analyze Bridles with Braceworks					●		
Easily Make Changes with the Replace Truss Feature				●	●		
Easily Design with Vertical Trusses and the Improved Auto Connect Engine				●	●		

PREVIZ FEATURES

	F	A	L	S	B	V	D
Discover the Freedom of Dongle-Free Vision Licenses						●	
Experience up to 7x Faster Performance with Better Real-Time Rendering						●	

SYSTEM
RECOMMENDATIONS

Performance of Vectorworks and Vision may vary depending on several factors, including hardware configurations and project types.
To get a full list of minimum system requirements and recommended hardware profiles, please visit **vectorworks.net/sysreq**

MacOS 10.13 (High Sierra)
MacOS 10.12 (Sierra)
MacOS X 10.11 (El Capitan)
Mac OS X 10.10 (Yosemite)

Windows 10 64-bit
Windows 8.1 64-bit
Windows 8 64-bit
Windows 7 SP1 64-bit

PROCESSOR

(E) 64-bit Intel Core i5 (or AMD equivalent) or better

(M) 64-bit Intel Core i5 (or AMD equivalent) clocked at 2GHz or better

(H) 64-bit Intel Core i7 (or AMD equivalent) clocked at 3GHz or better

RAM

(E) 4GB or more

(M) 8GB-16GB or more

(H) 16GB-32GB or more

GRAPHICS CARD

(E) OpenGL 2.1 compatible graphics card with 1GB of VRAM or more

(M) Dedicated OpenGL 2.1 compatible graphics card with 2GB-4GB of VRAM or more

(H) Dedicated OpenGL 2.1 compatible graphics card with 4GB of VRAM or more

(V) Dedicated OpenGL 3.0 compatible graphics card with 8GB of VRAM or more

SCREEN RESOLUTION

1920x1080 or higher recommended

NETWORK REQUIREMENTS FOR PROJECT SHARING

Project sharing requires high-speed network connections. As the network bandwidth increases, so does project sharing performance. Slower network speeds can still provide a satisfactory user experience if you minimize operations that transfer large amounts of data over the network (such as committing changes to the project file or refreshing a local working file).

KEY:

(E) Entry-level profile   (M) Mid-level profile   (H) High-end profile   (V) High-end Vision profile