2016 New Feature Matrix

Product Marketing Title	Fundamentals	Architect	Landmark	Spotlight	Designer	Renderworks	Service Select
Capture Your Inspiration							
Point cloud support		√	√	√	√		
Subdivision surface modeling	√	√	√	√	√		
Explore the Possibilities	Fundamentals	Architect	Landmark	Spotlight	Designer	Renderworks	Service Select
Energos		√			√		
Marionette	√	√	√	√	√		
Upgraded CINEMA 4D render engine						√	
Visualization Techniques							
Ambient occlusion						√	
Camera effects						√	
Grass shader						√	
Improved camera usability						√	
Walkthrough tool Gamer mode						√	
Develop Your Design	Fundamentals	Architect	Landmark	Spotlight	Designer	Renderworks	Service Select
Project sharing		√	√	√	√		
Custom plan sections from Clip Cube		√	√	√	√		
Roof components and styles		√	√	√	√		
Slab improvements							
Datums at slab bottoms		√	√	√	√		
3D modifiers for slabs		√	√	√	√		
Door and Window Improvements							
Three- and four-panel sliding windows		√	√	√	√		
New options for corner windows		√	√	√	√		
Louver windows		√	√	√	√		
Add window option for fixed glass, no sash		√	√	√	√		
Z Offset for door threshold		√	√	√	√		
Glazing thickness for doors and windows		√	√	√	√		
Door hardware position control	√	√	√	√	√		
Updated functionality of Door Hardware library file	√	√	√	√	√		
Hardscape improvements				√	√		
Site Modeling Improvements							
Bank slope support for site modifiers		√	√		√		
Site model flow arrows enhancements		√	√		√		
Site model option to collect modifiers on custom set of design layers		√	√		√		
Site modifier contouring options		√	√		√		
Saved settings for site model dialog boxes		√	√		√		
Slope Dimension tools improvements		√	√		√		
Create grade limits slope definition			√		√		
Create solid section from grade		√	√	√	√		
Hoist tools				√	√		
Create Stage improvements				√	√		
Enhance Your Workflow	Fundamentals	Architect	Landmark	Spotlight	Designer	Renderworks	Service Select
3D PDF export		√	√	√	√		
Cloud services in Vectorworks							√
Database Worksheets Improvements							
Improved ODBC for IFC		√	√	√	√		
BIM worksheet functions		√	√	√	√		
New worksheet formula to run scripts	√	√	√	√	√		
Direct editing of worksheet cells	√	√	√	√	√		
Linked section/detail markers		√	√	√	√		
OBJ and STL file import	√	√	√	√	√		
DXF/DWG Improvements							
Improved DWG/DXF export of classes from design layer viewports		√	√	√	√		
Improved DWG/DXF export of sheet layer viewports	√	√	√	√	√		
Map Vectorworks classes/layers to DXF/DWG layers	√	√	√	√	√		
Additional architectural features in Landmark and Spotlight		√	√	√	√		
Annotation improvements	√	√	√	√	√		
Flattened design layer section viewports show as hidden line in wireframe		√	√	√	√		
Improved User Exeprience	Fundamentals	Architect	Landmark	Spotlight	Designer	Renderworks	Service Select
New Migration Manager	√	√	√	√	√		
Palette docking for Mac	√	√	√	√	√		
New Vectorworks installation system	√	√	√	√	√		
Improved content installation manager	√	√	√	√	√		
High resolution display support	√	√	√	√	√		
Landmark data improvements			√		√		
New thumbnail resource	√	√	√	√	√		
Spotlight Improvements							
Spotlight classing structure				√	√		
Label containers shown in the label legend				√	√		
User default controlled class for the Focus Point object				√	√		
Improvements to the lighting device				√	√		
Specify curved truss by diameter				√	√		
Improvements to the Photometric tools				√	√		
Remove items from lighting inventory				√	√		

Improved User Exeprience cont'd	Fundamentals	Architect	Landmark	Spotlight	Designer	Renderworks	Service Select
Rotate configuration label control for electrical symbols		√			√		
New lines in Landscape Area tags			√		√		
VectorScript/SDK support for creating IFC custom Psets		√	√	√	√		
Stake elevation units control		√	√		√		
Wall style and slab style IFC data		√	√	√	√		
Add new North Arrow configuration		√	√	√	√		
Show prefix in Elevation Benchmark		√	√		√		
Consolidate wall, slab, and roof component classes		√	√	√	√		
Increased Wall Component Auto Joining Control		√	√	√	√		
Story and style Edit menus		√	√	√	√		
New slab style from unstyled slab context menu item		√	√	√	√		
Persistent Y-joins for wall replacement		√	√	√	√		
Replace deleted resources	√	√	√	√	√		
Eyedropper support for dimensions	√	√	√	√	√		
Purge identical objects	√	√	√	√	√		
Reshape tool support for arcs and lines	√	√	√	√	√		
Align/Distribute improvements	√	√	√	√	√		
Eyedropper and Select Similar tool architectural attributes	√	√	√	√	√		
Vectorworks Script Editor code collapse and color	√	√	√	√	√		
Auto xcale option for markers in viewports	√	√	√	√	√		
Publish usability improvements	√	√	√	√	√		
Replace symbol class	√	√	√	√	√		
Export to five previous versions	√	√	√	√	√		
Export PDF subset fonts		√	√	√	√		
Extended shoulder in Callout tool	√	√	√	√	√		
New and updated content libraries	√	√	√	√	√	√	√