

# Vectorworks 2015 Software Features Comparison

The following tables lists all of the commands and tools available in this version of Vectorworks software, and the products where they are available. This allows you to easily compare features side by side for each available product.

## Commands

Vectorworks 2015 Software Features Comparison							
(F: Fundamentals, D: Designer, A: Architect, L: Landmark, S: Spotlight, R: Renderworks)							
Command	Path	Products					
		F	D	A	L	S	R
<Esc><Esc> does not exit group	Window > Edit Group Options	X	X	X	X	X	
<Esc><Esc> exits group	Window > Edit Group Options	X	X	X	X	X	
1-1/2 Space	Text > Spacing	X	X	X	X	X	
2D Plan	View > Projection	X	X	X	X	X	
2D Polys to 3D Contours	AEC > Survey Input		X	X			
	Landmark > Survey Input				X		
3D Polys to 3D Loci	AEC > Survey Input		X				
	Landmark > Survey Input				X		
3D Properties	AEC > Machine Design		X	X			
	Landmark > Machine Design				X		
	Spotlight > Machine Design					X	
About Vectorworks	Help > (Windows only)	X	X	X	X	X	
	Vectorworks > (Macintosh only)	X	X	X	X	X	
Activate Object Info Palette	Window > Palettes	X	X	X	X	X	
Active Only	View > Class Options	X	X	X	X	X	
	View > Layer Options	X	X	X	X	X	
Add Solids	Model >	X	X	X	X	X	
Add Surface	Modify >	X	X	X	X	X	
Add Text to Database	Text >		X	X	X	X	
Align Layer Views	View >	X	X	X	X	X	
Align Stakes Vertically	AEC > Roads		X				
	Landmark > Roads				X		
Align to Grid	Modify > Align	X	X	X	X	X	
Align Working Plane with Current View	Modify > Working Plane	X	X	X	X	X	
Align Working Plane with Layer Plane	Modify > Working Plane	X	X	X	X	X	
Align Working Plane X Axis with Layer Plane	Modify > Working Plane	X	X	X	X	X	
Align/Distribute	Modify > Align	X	X	X	X	X	
Align/Distribute 3D	Modify > Align	X	X	X	X	X	
Align/Distribute Leader Lines	Modify > Align	X	X	X	X	X	
Allow numeric keypad entry for instant data bar activation	Window > Data Bar Options	X	X	X	X	X	
Animate Scenes	Spotlight > Visualization		+			X	
Arc into Segments	Modify > Drafting Aids	X	X	X	X	X	
Arc Smoothing	Modify > Poly Smoothing	X	X	X	X	X	
Architect	Tools > Workspaces			X			

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Command	Path	Products					
		F	D	A	L	S	R
Arrange Icons (Windows only)	Window >	X	X	X	X	X	
Artistic Brush Brown Thin	View > Renderworks Style						X
Artistic Chunky Thick Purple	View > Renderworks Style						X
Artistic Cloned Thin Green	View > Renderworks Style						X
Artistic Pencil Thick Blue	View > Renderworks Style						X
Artistic Renderworks	View > Rendering						X
Artistic Renderworks Options	View > Rendering						X
Artistic Shadow Blue	View > Renderworks Style						X
Artistic Taper Thick Black	View > Renderworks Style						X
Assign Legend to Instruments	Spotlight > Label Legend		+			X	
Attach Record	Tools > Records	X	X	X	X	X	
Attributes	Window > Palettes	X	X	X	X	X	
Auto cycle to non-displayed fields when tabbing past last field	Window > Data Bar Options	X	X	X	X	X	
Auto Number Positions	Spotlight >		+			X	
Back	View > Standard Views	X	X	X	X	X	
Basic	Window > Palettes	X	X	X	X	X	
Batch Convert	File >	X	X	X	X	X	
Belt Length Calculator	AEC > Machine Design Landmark > Machine Design Spotlight > Machine Design		X	X	X	X	
Bezier Spline Smoothing	Modify > Poly Smoothing	X	X	X	X	X	
Bold	Text > Font Style	X	X	X	X	X	
Bottom	Text > Alignment	X	X	X	X	X	
Bottom	View > Standard Views	X	X	X	X	X	
Bottom Baseline	Text > Alignment	X	X	X	X	X	
Cancel All Viewport Updates	View >	X	X	X	X	X	
Cascade (Windows only)	Window >	X	X	X	X	X	
Center (horizontally)	Text > Alignment	X	X	X	X	X	
Center (vertically)	Text > Alignment	X	X	X	X	X	
Center Drawing on Internal Origin	Tools > Origin	X	X	X	X	X	
Centroid	AEC > Machine Design Landmark > Machine Design Spotlight > Machine Design		X	X	X	X	
Chain Length Calculator	AEC > Machine Design Landmark > Machine Design Spotlight > Machine Design		X	X	X	X	
Change All Fields	Tools > Records	X	X	X	X	X	
Change One Field	Tools > Records	X	X	X	X	X	
Change Plant Grouping	AEC > Plants Landmark >		X		X		

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Command	Path	Products					
		F	D	A	L	S	R
Change Symbol Attrs	Tools > Utilities	X	X	X	X	X	
Check For Updates	Help > (Windows only)	X	X	X	X	X	
	Vectorworks > (Macintosh only)	X	X	X	X	X	
Check Spelling	Text >	X	X	X	X	X	
Choose Schedule	Spotlight > Reports					X	
	Tools > Reports				X		
Choose VW Plants	AEC > Plants >		X				
	Landmark >				X		
Class and Layer Mapping	Tools >		X	X	X		
Clear	Edit >	X	X	X	X	X	
Clip Cube	View >	X	X	X	X	X	
Clip Surface	Modify >	X	X	X	X	X	
Close	File >	X	X	X	X	X	
Close All (Windows only)	Window >	X	X	X	X	X	
Combine Into Surface	Modify >	X	X	X	X	X	
Compose	Modify >	X	X	X	X	X	
Compress Images	Tools >	X	X	X	X	X	
Conductor Sizing Calc	AEC > Electrical		X	X			
Conduit Sizing Calc	AEC > Electrical		X	X			
Control Values for Keys	AEC > Machine Design		X	X			
	Landmark > Machine Design				X		
	Spotlight > Machine Design					X	
Conversion Factors	AEC > Machine Design		X	X			
	Landmark > Machine Design				X		
	Spotlight > Machine Design					X	
Convert Copy to Lines	Modify > Convert	X	X	X	X	X	
Convert Copy to Polygons	Modify > Convert	X	X	X	X	X	
Convert Object to Dimension	Modify > Convert	X	X	X	X	X	
Convert Old Notes to New	Text >		X	X	X	X	
Convert Text to Polylines	Text >	X	X	X	X	X	
Convert to 3D Polys	Modify > Convert	X	X	X	X	X	
Convert to Accessory	Spotlight > Object Conversion		+			X	
Convert to Area Light	Modify > Convert	X	X	X	X	X	
Convert to Generic Solids	Modify > Convert	X	X	X	X	X	
Convert to Group	Modify > Convert	X	X	X	X	X	
Convert to Instrument	Spotlight > Object Conversion		+			X	
Convert to Light Position	Spotlight > Object Conversion		+			X	
Convert to Line Light	Modify > Convert	X	X	X	X	X	
Convert to Lines	Modify > Convert	X	X	X	X	X	
Convert to Mesh	Modify > Convert	X	X	X	X	X	

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Command	Path	Products					
		F	D	A	L	S	R
Convert to MultiCircuit	Spotlight > Object Conversion		+			X	
Convert to NURBS	Modify > Convert	X	X	X	X	X	
Convert to Polygons	Modify > Convert	X	X	X	X	X	
Convert to Viewport	Modify > Convert		X	X	X	X	
Copy	Edit >	X	X	X	X	X	
Create 3D Loci at Grade Points	AEC > Terrain Landmark >		X		X		
Create 3D Object from 2D	AEC > Machine Design Landmark > Machine Design Spotlight > Machine Design		X	X	X	X	
Create Animation	Model >	X	X	X	X	X	
Create Auto Hybrid	AEC > Landmark > Architectural Spotlight > Architectural		X	X	X	X	
Create Batch Render Job	View > Rendering						X
Create Bill of Materials	AEC > Machine Design Landmark > Machine Design Spotlight > Machine Design		X	X	X	X	
Create Color Chart	Tools > Utilities	X	X	X	X	X	
Create Detail Viewport	View >		X	X	X	X	
Create Dividing Lines	Modify > Drafting Aids	X	X	X	X	X	
Create Drape Surface	Model > 3D Power Pack	X	X	X	X	X	
Create Event Seating	Event Design >		+			X	
Create Fillet Surface	Model > 3D Power Pack	X	X	X	X	X	
Create Gobo Texture	Spotlight > Visualization		+			X	
Create Grade Limits from Pad	AEC > Terrain Landmark >		X		X		
Create Helix-Spiral	Model > 3D Power Pack	X	X	X	X	X	
Create Image Prop	Model >						X
Create Interpolated Surface	Model > 3D Power Pack	X	X	X	X	X	
Create Joists from Poly	AEC > Framing		X	X			
Create Label Legend from Instrument	Spotlight > Label Legend		+			X	
Create Layer Link	View >	X	+	+	+	+	
Create Lectern	Event Design >		+			X	
Create Multiple Viewports	View >		X	X	X	X	
Create New Plant	AEC > Plants Landmark >		X		X		
Create Objects From Shapes	AEC > Landmark > Modify >		X	X	X	X	

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Command	Path	Products					
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Create Pad from Grade Limits	AEC > Terrain Landmark >		X		X		
Create Panel Riser Diag	Tools > Reports		X	X			
Create Panel Schedule	Tools > Reports		X	X			
Create Parts List	AEC > Machine Design Landmark > Machine Design Spotlight > Machine Design		X	X	X		X
Create Piping Runs	AEC > Electrical		X	X			
Create Planar Caps	Model > 3D Power Pack	X	X	X	X	X	
Create Plot and Model View	Spotlight > Visualization					X	
Create Polys from Walls	AEC > Landmark > Architectural Modify > Spotlight > Architectural	X	X	X	X		X
Create Redline Status WS	Text > Redlines		X	X	X	X	
Create Report	Spotlight > Reports Tools > Reports	X	X	X	X		X
Create Retaining Wall Site Modifier	AEC > Terrain Landmark >		X		X		
Create Rm Finish Legend	Tools > Reports		X	X			
Create Road from Stakes	AEC > Roads Landmark > Roads		X		X		
Create Roof	AEC > Landmark > Architectural Model > AEC Spotlight > Architectural	X	X	X	X		X
Create Room	Event Design >		+			X	
Create Screen	Event Design >		+			X	
Create Seating Layout	AEC > Spotlight > Architectural		X	X		X	
Create Section Viewport	View >		X	X	X	X	
Create Sheet List	Tools > Reports		X	X			
Create Site Model	AEC > Terrain Landmark >		X	X	X		
Create Site Model Volume List	AEC > Terrain Landmark >		X	X	X		
Create Spaces from Polys	AEC > Space Planning		X	X			
Create Spaces from Walls	AEC > Space Planning		X	X			
Create Stage	Event Design >		+			X	
Create Stair	Event Design >		+			X	

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Command	Path	Products					
		F	D	A	L	S	R
Create Standard Viewports	File > Document Settings		X	X			
Create Stepped Wall	AEC > Landmark > Architectural		X	X			
Create Surface Array	Model >		X	X	X	X	
Create Surface from Curves	Model > 3D Power Pack	X	X	X	X	X	
Create Symbol	Modify >	X	X	X	X	X	
Create Viewport	View >	X	X	X	X	X	
Create Views	Event Design >		+			X	
Create Wall Projection	AEC > Landmark > Architectural Spotlight > Architectural		X	X			X
Create Wall Recess	AEC > Landmark > Architectural Spotlight > Architectural		X	X			X
Create Walls from Polygon	Modify >	X	+	+	+	+	
Create Walls from Spaces	AEC > Space Planning		X	X			
Cubic Spline Smoothing	Modify > Poly Smoothing	X	X	X	X	X	
Custom Modification	Tools >		X	X	X	X	
Custom Renderworks	View > Rendering						X
Custom Renderworks Options	View > Rendering						X
Custom Selection	Tools >	X	X	X	X	X	
Custom Tool/Attribute	Tools >	X	X	X	X	X	
Cut	Edit >	X	X	X	X	X	
Cut 2D Section	Model >	X	+	+	+	+	
Cut 3D Section	Model >	X	+	+	+	+	
Dashed Hidden Line	View > Rendering	X	X	X	X	X	
Decompose	Modify >	X	X	X	X	X	
Delete All Guides	Modify > Guides	X	X	X	X	X	
Designer	Tools > Workspaces		X	X	X	X	
Detach Record	Tools > Records	X	X	X	X	X	
Dimension Exterior Walls	AEC > Landmark > Architectural Spotlight > Architectural		X	X			X
Do not allow instant data bar activation	Window > Data Bar Options	X	X	X	X	X	
Do not allow numeric keypad entry for instant data bar activation	Window > Data Bar Options	X	X	X	X	X	
Do not auto cycle to non-displayed fields when tabbing past last field	Window > Data Bar Options	X	X	X	X	X	
Do not show floating data bar after datum creation	Window > Data Bar Options	X	X	X	X	X	
Do not use floating data bar - show data bar fields on fixed data bar	Window > Data Bar Options	X	X	X	X	X	
Document Preferences	File > Document Settings	X	X	X	X	X	

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Command	Path	Products					
		F	D	A	L	S	R
Document Setup	File > Document Settings		X	X	X		
Double Space	Text > Spacing	X	X	X	X	X	
Download Content	Help >	X	X	X	X	X	
Draw Cam Diagrams	AEC > Machine Design Landmark > Machine Design Spotlight > Machine Design		X	X			X
Drawing Setup	AEC > Machine Design File > Document Settings Landmark > Machine Design Spotlight > Machine Design		X	X			X
Duplicate	Edit >	X	X	X	X	X	
Duplicate Along Path	Edit >	X	X	X	X	X	
Duplicate Array	Edit >	X	X	X	X	X	
Edit Constraints	Modify >	X	X	X	X	X	
Edit Current Workspace	Tools > Workspaces	X	X	X	X	X	
Edit Group	Modify >	X	X	X	X	X	
Edit Marker List	Tools > Options	X	X	X	X	X	
Edit Object Connection	Tools > Database		X	X	X	X	
Encrypt Script	Tools > Plug-ins	X	X	X	X	X	
Engineering Properties	Model >	X	X	X	X	X	
Even Divide	Modify > Drafting Aids	X	X	X	X	X	
Exit (Windows only)	File >	X	X	X	X	X	
Exit Group	Modify >	X	X	X	X	X	
Export 3DS (3D only)	File > Export		X	X	X	X	
Export as Vectorworks 12 File	File > Export	X	X	X	X	X	
Export as Vectorworks 2008 File	File > Export	X	X	X	X	X	
Export as Vectorworks 2009 File	File > Export	X	X	X	X	X	
Export as Vectorworks 2010 File	File > Export	X	X	X	X	X	
Export as Vectorworks 2011 File	File > Export	X	X	X	X	X	
Export as Vectorworks 2012 File	File > Export	X	X	X	X	X	
Export as Vectorworks 2013 File	File > Export	X	X	X	X	X	
Export as Vectorworks 2014 File	File > Export	X	X	X	X	X	
Export ASCII Patch	File > Export		+			X	
Export CINEMA 4D (3D only)	File > Export	X	X	X	X	X	
Export COLLADA (3D only)	File > Export						X
Export Database	File > Export	X	X	X	X	X	
Export DOE-2	AEC > Space Planning		X	X			
Export DWF	File > Export	X	X	X	X	X	
Export DXF/DWG	File > Export	X	X	X	X	X	
Export EPSF	File > Export	X	X	X	X	X	

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Command	Path	Products					
		F	D	A	L	S	R
Export FBX (3D only)	File > Export						X
Export gbXML	AEC > gbXML		X	X			
Export High Dynamic Range Image (HDRI)	File > Export						X
Export IFC Project	File > Export		X	X	X		
Export IGES (3D only)	File > Export	X	X	X	X	X	
Export Image File	File > Export	X	X	X	X	X	
Export Instrument Data	File > Export		+				X
Export KML (3D only)	File > Export		X	X	X	X	
Export Metafile (Windows only)	File > Export	X	X	X	X	X	
Export Parasolid X_T (3D only)	File > Export	X	X	X	X	X	
Export PDF	File > Export		X	X	X	X	
Export QuickTime VR Object	File > Export						X
Export QuickTime VR Panorama	File > Export						X
Export Rhino 3DM (3D only)	File > Export	X	X	X	X	X	
Export SAT (3D only)	File > Export	X	X	X	X	X	
Export Script	File > Export	X	X	X	X	X	
Export Shapefile	File > Export		X		X		
Export Simple VectorScript (3D only)	File > Export	X	X	X	X	X	
Export Worksheet	File > Export	X	X	X	X	X	
Export STEP (3D only)	File > Export	X	X	X	X	X	
Export STL (3D only)	File > Export	X	X	X	X	X	
Extend NURBS	Model > 3D Power Pack	X	X	X	X	X	
Extrude	Model >	X	X	X	X	X	
Extrude Along Path	Model >	X	X	X	X	X	
Fast Renderworks	View > Rendering						X
Final Quality Renderworks	View > Rendering						X
Final Shaded Polygon	View > Rendering	X	X	X	X	X	
Find and Modify	Spotlight >						X
Find-Replace Text	Text >	X	X	X	X	X	
Fit to Objects	View > Zoom	X	X	X	X	X	
Fit to Page Area	View > Zoom	X	X	X	X	X	
Fit Walls to Objects	AEC > Landmark > Architectural		X	X	X		
Flip Horizontal	Modify > Rotate	X	X	X	X	X	
Flip Vertical	Modify > Rotate	X	X	X	X	X	
Flip X'	Modify > Working Plane	X	X	X	X	X	
Flip Y'	Modify > Working Plane	X	X	X	X	X	
Flip Z'	Modify > Working Plane	X	X	X	X	X	

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Command	Path	Products					
		F	D	A	L	S	R
Floor	AEC > Landmark > Architectural Model > AEC Spotlight > Architectural		X	X			
Focus Instruments	Spotlight >					X	
Font (list of installed fonts)	Text >	X	X	X	X	X	
Format Text	Text >	X	X	X	X	X	
Front	View > Standard Views	X	X	X	X	X	
Fundamentals	Tools > Workspaces	X					
Generate Paperwork	Spotlight > Reports		+			X	
Georeferencing	File > Document Settings		X	X	X		
Getting Started Guides	Help >	X	X	X	X	X	
Gray Others	View > Class Options	X	X	X	X	X	
Gray Others	View > Layer Options	X	X	X	X	X	
Gray/Snap Others	View > Class Options	X	X	X	X	X	
Gray/Snap Others	View > Layer Options	X	X	X	X	X	
Grid Method Entry	AEC > Survey Input Landmark > Survey Input		X	X			
Group	Modify >	X	X	X	X	X	
Hatch	Modify >	X	X	X	X	X	
Hidden Line	View > Rendering	X	X	X	X	X	
Hide Guides	Modify > Guides	X	X	X	X	X	
Hide Others	Vectorworks > (Macintosh only)	X	X	X	X	X	
Hide Vectorworks	Vectorworks > (Macintosh only)	X	X	X	X	X	
IFC Data	AEC > Landmark > Architectural		X	X			
IFC Zones	AEC > Landmark > Architectural		X	X			
Import 3DS (3D only)	File > Import		X	X	X	X	
Import Adjacency Matrix	AEC > Space Planning		X	X			
Import Arrowway Textures	(add to workspace)						X
Import DXF/DWG or DWF	File > Import	X	X	X	X	X	
Import EPSF	File > Import	X	X	X	X	X	
Import IFC	File > Import		X	X	X		
Import IGES (3D only)	File > Import	X	X	X	X	X	
Import Image File	File > Import	X	X	X	X	X	
Import Instrument Data	File > Import					X	
Import Metafile (Windows only)	File > Import	X	X	X	X	X	
Import Metafile as Bitmap (Windows only)	File > Import	X	X	X	X	X	
Import Parasolid X_T (3D only)	File > Import	X	X	X	X	X	

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Command	Path	Products					
		F	D	A	L	S	R
Import PartSpec	AEC > Machine Design File > Import Landmark > Machine Design Spotlight > Machine Design		X	X			
Import PDF	File > Import		X	X	X	X	
Import PICT (Macintosh only)	File > Import	X	X	X	X	X	
Import PICT as Bitmap (Macintosh only)	File > Import	X	X	X	X	X	
Import Rhino 3DM (3D only)	File > Import	X	X	X	X	X	
Import SAT (3D only)	File > Import	X	X	X	X	X	
Import Script	File > Import	X	X	X	X	X	
Import Shapefile	File > Import		X	X	X		
Import Single DWF	File > Import	X	X	X	X	X	
Import Single DXF/DWG	File > Import	X	X	X	X	X	
Import SketchUp	File > Import		X	X	X	X	
Import STEP (3D only)	File > Import	X	X	X	X	X	
Import Survey File	AEC > Survey Input Landmark > Survey Input		X	X			
Import Worksheet	File > Import	X	X	X	X	X	
Intersect Solids	Model >	X	X	X	X	X	
Intersect Surface	Modify >	X	X	X	X	X	
Invert Selection	Edit >	X	X	X	X	X	
Issue Manager	File >		X	X	X		
Italic	Text > Font Style	X	X	X	X	X	
Join	Modify > Join	X	X	X	X	X	
Join (no trim)	Modify > Join	X	X	X	X	X	
Join and Fillet	Modify > Join	X	X	X	X	X	
Justify	Text > Alignment	X	X	X	X	X	
Label Legend Manager	Spotlight > Label Legend		+			X	
Landmark	Tools > Workspaces				X		
Left	Text > Alignment	X	X	X	X	X	
Left	View > Standard Views	X	X	X	X	X	
Left Isometric	View > Standard Views	X	X	X	X	X	
Left Rear Iso	View > Standard Views	X	X	X	X	X	
Lighting Inventory Setup	Spotlight > Reports		+			X	
Lighting Symbol Maintenance	Spotlight > Reports		+			X	
Line into Segments	Modify > Drafting Aids	X	X	X	X	X	
Line Render Options	View > Rendering	X	X	X	X	X	
Line Thickness	Tools > Options	X	X	X	X	X	
Link Text to Record	Modify > Tools > Records	X	X	X	X	X	

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Command	Path	Products					
		F	D	A	L	S	R
List Symbols	Tools > Utilities	X	X	X	X	X	
Locate Internal Origin	Tools > Origin	X	X	X	X	X	
Lock	Modify >	X	X	X	X	X	
Look at Working Plane	Modify > Working Plane View >	X X	X X	X X	X X	X X	
lower case	Text > Capitalization	X	X	X	X	X	
Lower Left Iso	View > Standard Views	X	X	X	X	X	
Lower Left Rear	View > Standard Views	X	X	X	X	X	
Lower Right Iso	View > Standard Views	X	X	X	X	X	
Lower Right Rear	View > Standard Views	X	X	X	X	X	
Make Guide	Modify > Guides	X	X	X	X	X	
Manage Databases	Tools > Database		X	X	X	X	
Manage Scenes	Spotlight > Visualization		+			X	
Merge Record Format	Tools > Records	X	X	X	X	X	
Model to Floorplan	AEC > Space Planning		X	X			
Modify by Record	Tools > Records		X	X	X	X	
Move	Modify > Move	X	X	X	X	X	
Move 3D	Modify > Move	X	X	X	X	X	
Move Geographic	Modify > Move		X		X		
Multiple Extrude	Model >	X	X	X	X	X	
Narrow Perspective	View > Perspective	X	X	X	X	X	
Navigation	Window > Palettes		X	X	X	X	
New	File >	X	X	X	X	X	
Next View	View >	X	X	X	X	X	
Next Working Plane	Modify > Working Plane	X	X	X	X	X	
No Smoothing	Modify > Poly Smoothing	X	X	X	X	X	
Normal Perspective	View > Perspective	X	X	X	X	X	
Normal Scale	View > Zoom	X	X	X	X	X	
Number Instruments	Spotlight >		+			X	
Object Connection	Tools > Database		X	X	X	X	
Object Info	Window > Palettes	X	X	X	X	X	
Oblique Cabinet 30	View > Projection	X	X	X	X	X	
Oblique Cabinet 45	View > Projection	X	X	X	X	X	
Oblique Cavalier 30	View > Projection	X	X	X	X	X	
Oblique Cavalier 45	View > Projection	X	X	X	X	X	
Open	File >	X	X	X	X	X	
Open BCF Viewer	AEC >		X	X			
Open Recent (list of recently opened files)	File >	X	X	X	X	X	
OpenGL	View > Rendering	X	X	X	X	X	

## Vectorworks 2015 Software Features Comparison

(F: Fundamentals, D: Designer, A: Architect, L: Landmark, S: Spotlight, R: Renderworks)

Command	Path	Products					
		F	D	A	L	S	R
OpenGL Options	View > Rendering	X	X	X	X	X	
Organization	Tools >	X	X	X	X	X	
Orthogonal	View > Projection	X	X	X	X	X	
Other	Text > Spacing	X	X	X	X	X	
Outline (Macintosh only)	Text > Font Style	X	X	X	X	X	
Page Setup	File >	X	X	X	X	X	
Paste	Edit >	X	X	X	X	X	
Paste as Bitmap	Edit >	X	X	X	X	X	
Paste in Place	Edit >	X	X	X	X	X	
Patterns	File > Document Settings	X	X	X	X	X	
Pick up Redline	Text > Redlines		X	X	X	X	
Pillar	AEC > Landmark > Architectural Model > AEC Spotlight > Architectural	X	X		X		X
Place Spaces	AEC > gbXML		X	X			
Plain Text	Text > Font Style	X	X	X	X	X	
Plant Line	AEC > Plants Landmark >		X		X		
Plug-in Manager	Tools > Plug-ins	X	X	X	X	X	
Preferences	Vectorworks > (Macintosh only)	X	X	X	X	X	
Previous Selection	Edit >	X	X	X	X	X	
Previous View	View >	X	X	X	X	X	
Previous Working Plane	Modify > Working Plane	X	X	X	X	X	
Print	File >	X	X	X	X	X	
Publish	File >	X	X	X	X	X	
Purge	Tools >	X	X	X	X	X	
Quit Vectorworks	Vectorworks > (Macintosh only)	X	X	X	X	X	
Radius Smoothing	Modify > Poly Smoothing	X	X	X	X	X	
Realistic Colors White	View > Renderworks Style						X
Realistic Exterior Fast	View > Renderworks Style						X
Realistic Exterior Final	View > Renderworks Style						X
Realistic Exterior Night Fast	View > Renderworks Style						X
Realistic Exterior Night Final	View > Renderworks Style						X
Realistic Interior Fast	View > Renderworks Style						X
Realistic Interior Final	View > Renderworks Style						X
Rebuild NURBS	Model > 3D Power Pack	X	X	X	X	X	
Reconcile Notes	Text >		X	X	X	X	
Record Format Connection	Tools > Database		X	X	X	X	
Redo	Edit >	X	X	X	X	X	

## Vectorworks 2015 Software Features Comparison

(F: Fundamentals, D: Designer, A: Architect, L: Landmark, S: Spotlight, R: Renderworks)

Command	Path	Products					
		F	D	A	L	S	R
Referenced Files (list of referenced files in the file)	Window > (File name)	X	X	X	X	X	
Refresh Instruments	Spotlight >					X	
Remove Object Connection	Tools > Database		X	X	X	X	
Replace Instrument	Spotlight >					X	
Replace with Symbol	Modify > Convert		X	X	X	X	
Reset All Plug-ins	Tools > Utilities		X	X	X	X	
Resource Browser	Window > Palettes	X	X	X	X	X	
Restore Redline	Text > Redlines		X	X	X	X	
Revert to Saved	File >	X	X	X	X	X	
Revolve with Rail	Model > 3D Power Pack	X	X	X	X	X	
Right	Text > Alignment	X	X	X	X	X	
Right	View > Standard Views	X	X	X	X	X	
Right Isometric	View > Standard Views	X	X	X	X	X	
Right Rear Iso	View > Standard Views	X	X	X	X	X	
Roof Face	AEC > Landmark > Architectural Model > AEC Spotlight > Architectural		X	X			
		X			X		
						X	
Roof Framer	AEC > Framing		X	X			
Rotate	Modify > Rotate	X	X	X	X	X	
Rotate 3D	Modify > Rotate	X	X	X	X	X	
Rotate 3D View	View >	X	X	X	X	X	
Rotate About X' Left 90°	Modify > Working Plane	X	X	X	X	X	
Rotate About X' Right 90°	Modify > Working Plane	X	X	X	X	X	
Rotate About Y' Left 90°	Modify > Working Plane	X	X	X	X	X	
Rotate About Y' Right 90°	Modify > Working Plane	X	X	X	X	X	
Rotate About Z' Left 90°	Modify > Working Plane	X	X	X	X	X	
Rotate About Z' Right 90°	Modify > Working Plane	X	X	X	X	X	
Rotate Left 90°	Modify > Rotate	X	X	X	X	X	
Rotate Plan	View >		X	X	X	X	
Rotate Right 90°	Modify > Rotate	X	X	X	X	X	
Run Script	Tools > Plug-ins	X	X	X	X	X	
Save	File >	X	X	X	X	X	
Save A Copy As	File >	X	X	X	X	X	
Save As	File >	X	X	X	X	X	
Save As Template	File >	X	X	X	X	X	
Save Palette Positions	Window > Palettes	X	X	X	X	X	
Save View	View >	X	X	X	X	X	
Save Working Plane	Modify > Working Plane	X	X	X	X	X	
Scale Objects	Modify >	X	X	X	X	X	

## Vectorworks 2015 Software Features Comparison

(F: Fundamentals, D: Designer, A: Architect, L: Landmark, S: Spotlight, R: Renderworks)

Command	Path	Products					
		F	D	A	L	S	R
Script Options	Tools > Plug-ins	X	X	X	X	X	
Script Palettes (list of script palettes in the file)	Window > (File name)	X	X	X	X	X	
Search Knowledgebase	Help >	X	X	X	X	X	
Section Solids	Model >	X	X	X	X	X	
Select All	Edit >	X	X	X	X	X	
Select Connected Objects	Edit >	X	X	X	X	X	
Select Guides	Modify > Guides	X	X	X	X	X	
Select Working Plane	Edit >	X	X	X	X	X	
	Modify > Working Plane	X	X	X	X	X	
Send Backward	Modify > Send	X	X	X	X	X	
Send Forward	Modify > Send	X	X	X	X	X	
Send to Back	Modify > Send	X	X	X	X	X	
Send to CINEMA 4D (3D only)	File >	X	X	X	X	X	
Send to Front	Modify > Send	X	X	X	X	X	
Send to Surface	AEC > Terrain		X	X			
	Landmark >				X		
Services (standard Macintosh menu)	Vectorworks > (Macintosh only)	X	X	X	X	X	
Set 3D View	View >	X	X	X	X	X	
Set Default Symbol Class	Tools > Utilities		X	X	X		
Set Custom Perspective	View > Perspective	X	X	X	X	X	
Set Lighting Options	View > Lighting	X	X	X	X	X	
Set Renderworks Background	View >						X
Set Size	Text > Size	X	X	X	X	X	
Set Sun Position	View > Lighting	X					
Set Working Plane	Modify > Working Plane	X	X	X	X	X	
Shaded Polygon	View > Rendering	X	X	X	X	X	
Shaded Polygon No Lines	View > Rendering	X	X	X	X	X	
Shadow (Macintosh only)	Text > Font Style	X	X	X	X	X	
Shaft Analysis	AEC > Machine Design		X	X			
	Landmark > Machine Design				X		
	Spotlight > Machine Design					X	
Show All	Vectorworks > (Macintosh only)	X	X	X	X	X	
Show floating data bar above SmartCursor cues	Window > Data Bar Options	X	X	X	X	X	
Show floating data bar after datum creation	Window > Data Bar Options	X	X	X	X	X	
Show floating data bar below SmartCursor cues	Window > Data Bar Options	X	X	X	X	X	
Show Guides	Modify > Guides	X	X	X	X	X	
Show only primary fields on data bar	Window > Data Bar Options	X	X	X	X	X	
Show or Hide Constraints	View > Show	X	X	X	X	X	
Show or Hide Plant Styles	View > Show		X		X		
Show or Hide Redlines	Text > Redlines		X	X	X	X	

## Vectorworks 2015 Software Features Comparison

(F: Fundamentals, D: Designer, A: Architect, L: Landmark, S: Spotlight, R: Renderworks)

Command	Path	Products					
		F	D	A	L	S	R
Show or Hide Site Modifiers	View > Show		X		X		
Show or Hide Spray Pattern	View > Show		X		X		
Show Others	View > Class Options View > Layer Options	X	X	X	X	X	
Show primary and secondary fields on data bar	Window > Data Bar Options	X	X	X	X	X	
Show primary, secondary, and cursor location fields on data bar	Window > Data Bar Options	X	X	X	X	X	
Show/Snap Others	View > Class Options View > Layer Options	X	X	X	X	X	
Show/Snap/Modify Others	View > Class Options View > Layer Options	X	X	X	X	X	
Simple Beam	AEC > Machine Design Landmark > Machine Design Spotlight > Machine Design		X	X			X
Simple Beam Analysis	AEC > Machine Design Landmark > Machine Design Spotlight > Machine Design		X	X			X
Simple Beam Calculator	AEC > Framing Landmark > Architectural Spotlight > Architectural		X	X			X
Simplify 3D Polygons	AEC > Terrain Landmark >		X	X		X	
Simplify Polys	Modify > Drafting Aids	X	X	X	X	X	
Single Space	Text > Spacing	X	X	X	X	X	
Site Model Section	AEC > Terrain Landmark >		X	X		X	
Size (list of default sizes)	Text >	X	X	X	X	X	
Sketch	View > Rendering		X	X	X	X	
Sketch Options	View > Rendering		X	X	X	X	
SmartCursor Settings	Tools >	X	X	X	X	X	
Snapping	Window > Palettes	X	X	X	X	X	
Solution of Triangles	AEC > Machine Design Landmark > Machine Design Spotlight > Machine Design		X	X			X
Split Record Format	Tools > Records	X	X	X	X	X	
Spotlight	Tools > Workspaces						X
Spotlight Preferences	File > Document Settings		+				X
Spring Calculator	AEC > Machine Design Landmark > Machine Design Spotlight > Machine Design		X	X			X
Stake Object from 3D Locus	Modify > Convert		X		X		

## Vectorworks 2015 Software Features Comparison

(F: Fundamentals, D: Designer, A: Architect, L: Landmark, S: Spotlight, R: Renderworks)

Command	Path	Products					
		F	D	A	L	S	R
Standard Naming	File > Document Settings		X	X	X		
Start Batch Render	View > Rendering						X
Station on Polyline	AEC > Roads Landmark > Roads		X		X		
Stitch and Trim Surfaces	Model > 3D Power Pack	X	X	X	X	X	
Subscript	Text > Font Style	X	X	X	X	X	
Subtract Solids	Model >	X	X	X	X	X	
Superscript	Text > Font Style	X	X	X	X	X	
Sweep	Model >	X	X	X	X	X	
Tapered Extrude	Model >	X	X	X	X	X	
Text Along Path	Text >	X	X	X	X	X	
Tile (Windows only)	Window >	X	X	X	X	X	
Title Caps	Text > Capitalization	X	X	X	X	X	
Tool Sets	Window > Palettes	X	X	X	X	X	
Top	Text > Alignment	X	X	X	X	X	
Top	View > Standard Views	X	X	X	X	X	
Top Baseline	Text > Alignment	X	X	X	X	X	
Top Level	Modify >	X	X	X	X	X	
Top/Plan	View > Standard Views	X	X	X	X	X	
Trace Bitmap	Modify >	X	X	X	X	X	
Trim	Modify >	X	X	X	X	X	
Underline	Text > Font Style	X	X	X	X	X	
Undo	Edit >	X	X	X	X	X	
Unfold Surfaces	Model > 3D Power Pack		X	X	X	X	
Ungroup	Modify >	X	X	X	X	X	
Unified View	View >	X	X	X	X	X	
Unified View Options	View >	X	X	X	X	X	
Units	File > Document Settings	X	X	X	X	X	
Unlock	Modify >	X	X	X	X	X	
Unrotate 3D Objects	Modify >	X	X	X	X	X	
Unshaded Polygon	View > Rendering	X	X	X	X	X	
Update All Viewports	View >	X	X	X	X	X	
Update External Database	Tools > Database		X	X	X	X	
Update Plug-in Objects	Tools > Utilities	X	X	X	X	X	
Update Selected Viewports	View >	X	X	X	X	X	
Update Settings	Tools > Database		X	X	X	X	
Update Space Boundaries	AEC > Space Planning		X	X			
Update Vectorworks Document	Tools > Database		X	X	X	X	
UPPER CASE	Text > Capitalization	X	X	X	X	X	
Use floating data bar	Window > Data Bar Options	X	X	X	X	X	

## Vectorworks 2015 Software Features Comparison

(F: Fundamentals, D: Designer, A: Architect, L: Landmark, S: Spotlight, R: Renderworks)

Command	Path	Products					
		F	D	A	L	S	R
Use floating data bar only when tab key is pressed	Window > Data Bar Options	X	X	X	X	X	
Use Full Screen	Window >	X	X	X	X	X	
Use large exit group button	Window > Edit Group Options	X	X	X	X	X	
Use small exit group button	Window > Edit Group Options	X	X	X	X	X	
User Origin	Tools > Origin	X	X	X	X	X	
VA Create Record	Tools > Reports		X	X			
VA Create Schedule	Tools > Reports		X	X			
VA Records and Schedules	Tools > Reports		X	X			
VA Set Project Prefs	Tools > Options		X	X			
Validate 3D Data	AEC > Terrain Landmark >		X	X		X	
Vectorworks Cloud Services	Help >	X	X	X	X	X	
Vectorworks Help	Help >	X	X	X	X	X	
Vectorworks Preferences	Tools > Options	X	X	X	X	X	
Vectorworks Service Select	Help >	X	X	X	X	X	
Vegetation Line	AEC > Plants Landmark >		X			X	
Visualization	Window > Palettes						X
Volumetric Properties	Model >	X	X	X	X	X	
VW Plants Database	AEC > Plants Landmark >		X			X	
Wall Framer	AEC > Framing		X	X			
What's This	Help >	X	X	X	X	X	
Wide Perspective	View > Perspective	X	X	X	X	X	
Wireframe	View > Rendering	X	X	X	X	X	
Wireframe Options	View > Rendering	X	X	X	X	X	
Working Plane	Window > Palettes	X	X	X	X	X	
Worksheets (list of worksheets in the file)	Window > (File name)	X	X	X	X	X	
Workspaces	Tools > Workspaces	X	X	X	X	X	
Zone of Visual Influence	AEC > Terrain Landmark >		X			X	

Many commands are available both on the regular menus and on a context menu. The following commands are exclusively available from a context menu.

Vectorworks 2015 Software Features Comparison							
(F: Fundamentals, D: Designer, A: Architect, L: Landmark, S: Spotlight, R: Renderworks)							
Command	Path	Products					
		F	D	A	L	S	R
Activate Class	Context Menu	X	X	X	X	X	
Activate Layer	Context Menu	X	X	X	X	X	
Activate Layer Scale	Context Menu	X	X	X	X	X	
Add Dimension	Context Menu	X	X	X	X	X	
Align/Distribute	Context Menu	X	X	X	X	X	
Align Bottom	Context Menu	X	X	X	X	X	
Align Center	Context Menu	X	X	X	X	X	
Align Left	Context Menu	X	X	X	X	X	
Align Middle	Context Menu	X	X	X	X	X	
Align Right	Context Menu	X	X	X	X	X	
Align Top	Context Menu	X	X	X	X	X	
Assign Selection (from Navigation palette)	Context Menu		X	X	X	X	
Convert Arc to Radius Polyline	Context Menu	X	X	X	X	X	
Convert Boundary	Context Menu		X		X		
Convert to Pathway	Context Menu		X		X		
Convert to Viewport (from layer link)	Context Menu	X					
Create Plant from Object	Context Menu		X		X		
Create Section Viewport (from clip cube)	Context Menu		X	X	X	X	
Create Similar Object	Context Menu		X	X	X	X	
Delete Dimension	Context Menu	X	X	X	X	X	
Delete Witness Line	Context Menu	X	X	X	X	X	
Disassociate	Context Menu	X	X	X	X	X	
Display Repetitions (line type editing)	Context Menu	X	X	X	X	X	
Display Tile Repetitions	Context Menu	X	X	X	X	X	
Distribute Horizontally (Spacing)	Context Menu	X	X	X	X	X	
Distribute Vertically (Spacing)	Context Menu	X	X	X	X	X	
Edit 2D Component	Context Menu	X	X	X	X	X	
Edit 3D Component	Context Menu	X	X	X	X	X	
Edit 3D Wall Hole Component	Context Menu	X	X	X	X	X	
Edit Annotations	Context Menu	X	X	X	X	X	
Edit Camera	Context Menu						X
Edit Crop (layer link)	Context Menu	X	X	X	X	X	
Edit Crop (sheet layer)	Context Menu	X	X	X	X	X	
Edit Crop (design layer)	Context Menu		X	X	X	X	
Edit Design Layer (design layer)	Context Menu	X	X	X	X	X	
Edit Design Layer (sheet layer)	Context Menu	X	X	X	X	X	
Edit Dimension	Context Menu	X	X	X	X	X	
Edit Light	Context Menu					X	

## Vectorworks 2015 Software Features Comparison

(F: Fundamentals, D: Designer, A: Architect, L: Landmark, S: Spotlight, R: Renderworks)

Command	Path	Products					
		F	D	A	L	S	R
Edit Path	Context Menu	X	X	X	X	X	
Edit Profile	Context Menu	X	X	X	X	X	
Edit Referenced Design Layer (design layer)	Context Menu	X	X	X	X	X	
Edit Site Model Crop	Context Menu		X	X	X		
Edit Site Model Source Data	Context Menu		X	X	X		
Exit Viewport	Context Menu	X	X	X	X	X	
Export Plant	Context Menu		X		X		
Export Resource	Context Menu		X	X	X	X	
Flip Symbol in Wall	Context Menu	X	X	X	X	X	
Focus Instruments at Next Click	Context Menu		X			X	
Force Select	Context Menu	X	X	X	X	X	
Join (wall object)	Context Menu	X	X	X	X	X	
Locate in Resource Browser (any resource)	Context Menu	X	X	X	X	X	
New Hatch From Locally Mapped Hatch	Context Menu	X	X	X	X	X	
New Tile From Locally Mapped Tile	Context Menu	X	X	X	X	X	
Properties	Context Menu	X	X	X	X	X	
Recalculate	Context Menu	X	X	X	X	X	
Remove Break	Context Menu	X	X	X	X	X	
Replace Plant	Context Menu		X		X		
Replace Symbol	Context Menu	X	X	X	X	X	
Select Coincident Objects	Context Menu	X	X	X	X	X	
Select Focused Lighting Devices	Context Menu					X	
Select Vertex in OIP	Context Menu	X	X	X	X	X	
Send to Surface	Context Menu			X	X		
Set Light to View	Context Menu	X	X	X	X	X	
Set Position	Context Menu	X	X	X	X	X	
Set View to Light	Context Menu	X	X	X	X	X	
Show Grids (sheet border)	Context Menu	X	X	X	X	X	
Title Block	Context Menu	X	X	X	X	X	
Turn On/Off (light object)	Context Menu	X	X	X	X	X	
Update (viewport object)	Context Menu	X	X	X	X	X	
Update (viewports)	Context Menu	X	X	X	X	X	
Update Section Viewport	Context Menu		X	X	X	X	

## Tools

Vectorworks 2015 Software Features Comparison							
(F: Fundamentals, D: Designer, A: Architect, L: Landmark, S: Spotlight, R: Renderworks)							
Tool	Tool Palette/Set	Products					
		F	D	A	L	S	R
2D Locus	Basic	X	X	X	X	X	
2D Polygon *	Basic	X	X	X	X	X	
3D Locus	3D Modeling	X	X	X	X	X	
3D Polygon	3D Modeling	X	X	X	X	X	
Acorn Nut (Inch) - 2D, 3D *	Fasteners		X	X	X	X	
Adjacency Matrix	Space Planning		X	X			
Adjacency Score	Space Planning		X	X			
Align and Distribute Items	Spotlight					X	
Align Plane *	3D Modeling	X	X	X	X	X	
Analysis	3D Modeling	X	X	X	X	X	
Angle - 2D, 3D *	Detailing	X	X	X	X	X	
Angular Dimension	Basic					X	
	Dims/Notes	X	X	X	X	X	
Arc *	Basic	X	X	X	X	X	
Arc Length Dimension	Basic					X	
	Dims/Notes	X	X	X	X	X	
Attribute Mapping	Basic	X	X	X	X	X	
	Visualization	X	X	X	X	X	
Ball Bearing - 2D, 3D *	Machine Components		X	X	X	X	
Base Cabinet	Furn./Fixtures		X	X	X	X	
Bath-Shower	Furn./Fixtures		X	X			
Batt Insulation	Detailing	X	X	X	X	X	
Bearing Lock Nut - 2D, 3D *	Machine Components		X	X	X	X	
Belleville Spring - 2D, 3D *	Machine Components		X	X	X	X	
Bevel Gears - 2D, 3D *	Machine Components		X	X	X	X	
Blended Screen	Spotlight					X	
Bolt and Nut - inch	Detailing		X	X			
Bolt and Nut - mm	Detailing		X	X			
Break Line	Dims/Notes	X	X	X	X	X	
Bridge Line	Dims/Notes	X	X	X	X	X	
Bulb Flat - 2D, 3D *	Detailing		X	X	X	X	
Callout *	Basic	X	X	X	X	X	
Campanile	Building Shell					X	
	Site Planning		X	X	X		
Carriage Bolt - 2D, 3D *	Detailing		X	X	X	X	

+ tool is available to be added to the workspace (see the Workspace Editor section of the Vectorworks help system)

\* tool is in a flyout menu

## Vectorworks 2015 Software Features Comparison

(F: Fundamentals, D: Designer, A: Architect, L: Landmark, S: Spotlight, R: Renderworks)

Tool	Tool Palette/Set	Products					
		F	D	A	L	S	R
Ceiling Grid	Furn./Fixtures MEP		X	X			
Center Line Marker	Dims/Notes		X	X	X	X	
Center Mark	Dims/Notes	X	X	X	X	X	
Chain Extrude	Building Shell		X	X	X	X	
Chamfer	Basic	X	X	X	X	X	
Chamfer Edge	3D Modeling	X	X	X	X	X	
Channel - 2D, 3D *	Detailing	X	X	X	X	X	
Circle	Basic	X	X	X	X	X	
Circuiting	MEP		X	X			
Clevis Pin (DIN) - 2D, 3D *	Fasteners		X	X	X	X	
Clevis Pin (Inch) - 2D, 3D *	Fasteners		X	X	X	X	
Clevis Pin (Metric) - 2D, 3D *	Fasteners		X	X	X	X	
Clip *	Basic	X	X	X	X	X	
Clothes Rod	Furn./Fixtures		X	X			
Column	Building Shell Walls		X	X	X	X	
Comm Device	MEP		X	X			
Compartment Sink	Furn./Fixtures		X	X			
Component Join	Building Shell		X	X			
Compression Spring 1 - 2D, 3D *	Machine Components		X	X	X	X	
Compression Spring 2 - 2D, 3D *	Machine Components		X	X	X	X	
Cone	3D Modeling	X	X	X	X	X	
Conical Compression Spring - 2D, 3D *	Machine Components		X	X	X	X	
Connect/Combine	Basic	X	X	X	X	X	
Constrain Angle *	Dims/Notes	X	X	X	X	X	
Constrain Coincident *	Dims/Notes	X	X	X	X	X	
Constrain Collinear *	Dims/Notes	X	X	X	X	X	
Constrain Concentric *	Dims/Notes	X	X	X	X	X	
Constrain Distance *	Dims/Notes	X	X	X	X	X	
Constrain Horiz Distance *	Dims/Notes	X	X	X	X	X	
Constrain Horiz-Vertical *	Dims/Notes	X	X	X	X	X	
Constrain Parallel *	Dims/Notes	X	X	X	X	X	
Constrain Perpendicular *	Dims/Notes	X	X	X	X	X	
Constrain Radius *	Dims/Notes	X	X	X	X	X	
Constrain Tangent *	Dims/Notes	X	X	X	X	X	
Constrain Vertical Distance *	Dims/Notes	X	X	X	X	X	

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## Vectorworks 2015 Software Features Comparison

(F: Fundamentals, D: Designer, A: Architect, L: Landmark, S: Spotlight, R: Renderworks)

Tool	Tool Palette/Set	Products					
		F	D	A	L	S	R
Constrained Linear Dimension	Basic Dims/Notes					X	
Cotter Pin (Inch) - 2D, 3D *	Fasteners	X	X	X	X	X	
Counter Top	Furn./Fixtures		X	X			
Create Contours	3D Modeling	X	X	X	X	X	
Curved Truss	Detailing Spotlight		X				X
Data Stamp	Dims/Notes	X	X	X	X	X	
Datum Feature Symbol *	Dims/Notes		X	X	X	X	
Datum Target Symbol *	Dims/Notes		X	X	X	X	
Deform	3D Modeling	X	X	X	X	X	
Desk	Furn./Fixtures		X	X	X	X	
Detail Bubble*	Dims/Notes		X	X	X	X	
Detail Cut Wood	Detailing		X	X	X		
Die Spring - 2D, 3D *	Machine Components		X	X	X	X	
Door	Building Shell	+	X	X	X	X	
Double Line	Basic	X	X	X	X	X	
Double-Line Polygon	Basic	X	X	X	X	X	
Dowel Pin (Inch) - 2D, 3D *	Fasteners		X	X	X	X	
Drawing Label	Dims/Notes	X	X	X	X	X	
Drilled Footing	Building Shell		X	X			
Drip Emitter	Site Planning		X		X		
Duplicate Symbol in Wall	Building Shell Walls		X	X	X	X	
Edit Curtain Wall	Building Shell	X					
Edit Circuiting	MEP		X	X			
Elevation Benchmark	Dims/Notes		X	X	X		
Escalator	Building Shell		X	X			
Existing Tree	Site Planning		X		X		
Extension Spring - 3D, Front, End *	Machine Components		X	X	X	X	
Extract	3D Modeling	X	X	X	X	X	
Eye Bolt - 2D, 3D *	Fasteners		X	X	X	X	
Eyedropper	Basic	X	X	X	X	X	
Fastener Tool (Places Screw or Screw/Washer/Nut Combination, Plain Washer, Nut, Lock Washer, Shoulder Screw, Set Screw)	Fasteners		X	X	X	X	
Feature Control Frame *	Dims/Notes		X	X	X	X	
Fillet	Basic	X	X	X	X	X	

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Tool	Tool Palette/Set	Products					
		F	D	A	L	S	R
Fillet Edge	3D Modeling	X	X	X	X	X	
Fireplace	Furn./Fixtures		X	X			
Fixed Point Resize *	Basic	X	X	X	X	X	
Flanged Bearing - 2 Hole - 2D, 3D *	Machine Components		X	X	X	X	
Flanged Bearing - 4 Hole - 2D, 3D *	Machine Components		X	X	X	X	
Flyover	3D Modeling	X	X	X	X	X	
	Basic	X	X	X	X	X	
	Visualization	X	X	X	X	X	
Focus Point Tool	Spotlight		+			X	
Framing Member	Detailing		X	X			
Freehand	Basic	X	X	X	X	X	
Ganging	Spotlight					X	
General Notes	Dims/Notes		X	X	X	X	
Geom Dim and Tol Note *	Dims/Notes		X	X	X	X	
Grab Bars	Furn./Fixtures		X	X			
Grade	Site Planning		X		X		
Graticule	Site Planning		X		X		
Great Circle	Site Planning		X		X		
Grid - Polar	Dims/Notes	X	X	X	X	X	
Grid - Rectangular	Dims/Notes	X	X	X	X	X	
Grid Bubble	Dims/Notes		X	X	X		
Guardrail (Curved) *	Site Planning		X	X	X		
Guardrail (Straight) *	Site Planning		X	X	X		
Handrail (Curved)	Furn./Fixtures		X	X	X		
Handrail (Straight)	Furn./Fixtures		X	X	X		
Hardscape	Site Planning		X		X		
Heliodon	Visualization		X	X	X	X	
Hemisphere	3D Modeling	X	X	X	X	X	
Hex Cap Nut (DIN) - 2D, 3D *	Fasteners		X	X	X	X	
Hole - Drilled - 2D, 3D *	Detailing		X	X	X	X	
Hole - Tapped (Inch) - 2D, 3D *	Detailing		X	X	X	X	
Hole - Tapped (Metric) - 2D, 3D *	Detailing		X	X	X	X	
Hole Pattern	Detailing		X	X	X	X	
Hub 3D *	Machine Components		X	X	X	X	
Human Figure	Visualization		X	X	X	X	
HVAC Damper	MEP		X	X			
HVAC Diffuser	MEP		X	X			

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Tool	Tool Palette/Set	Products					
		F	D	A	L	S	R
HVAC Elbow Duct	MEP		X	X			
HVAC Flex Duct	MEP		X	X			
HVAC Outlet	MEP		X	X			
HVAC Splitter	MEP		X	X			
HVAC Straight Duct	MEP		X	X			
HVAC Transition	MEP		X	X			
HVAC Vertical Duct	MEP		X	X			
HVAC Vertical Elbow	MEP		X	X			
Hyperlink	Dims/Notes	X	X	X	X	X	
I-Beam - 2D, 3D *	Detailing	X	X	X	X	X	
ID Label	Dims/Notes		X	X	X		
Incandescent Fixture	MEP		X	X			
Instrument Summary	Spotlight		+			X	
Irrigation Head	Site Planning		X		X		
Irrigation Line	Site Planning		X		X		
J-Bolt - 2D, 3D *	Fasteners		X	X	X	X	
Key - 2D, 3D *	Machine Components		X	X	X	X	
Keyway	Detailing		X	X	X	X	
Knurled Thumb Nut (DIN) - 2D, 3D *	Fasteners		X	X	X	X	
Knurled Thumb Nut (Inch) - 2D, 3D *	Fasteners		X	X	X	X	
Lag Screw - 2D, 3D *	Detailing		X	X	X	X	
Landscape Area	Site Planning		X		X		
Landscape Wall	Site Planning		X		X		
Landscape Wall Arc	Site Planning		X		X		
Landscape Wall Bézier	Site Planning		X		X		
Leader Line *	Basic		X	X	X	X	
Leader Line Simple *	Basic	X					
LED Screen	Spotlight		+			X	
Light	Visualization	X	X	X	X	X	
Lighting Accessory	Spotlight		+			X	
Lighting Instrument	Spotlight		+			X	
Lighting Pipe	Spotlight		+			X	
Lighting Pipe Ladder	Spotlight		+			X	
Lighting Position	Spotlight		+			X	
Line	Basic	X	X	X	X	X	
Linear Material	Detailing		X	X	X		
Loft Surface	3D Modeling	X	X	X	X	X	

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Tool	Tool Palette/Set	Products					
		F	D	A	L	S	R
Massing Model *	Site Planning		X	X	X		
Material Note *	Dims/Notes		X	X	X	X	
Mirror	Basic	X	X	X	X	X	
Move by Points	Basic	X	X	X	X	X	
Move Page *	Basic	X	X	X	X	X	
Mullion	Building Shell		X	X			
Needle Bearing - 2D, 3D *	Machine Components		X	X	X	X	
North Arrow	Dims/Notes		X	X	X	X	
NURBS Curve	3D Modeling	X	X	X	X	X	
Offset	Basic	X	X	X	X	X	
Oval	Basic	X	X	X	X	X	
Pan *	Basic	X	X	X	X	X	
Parallel Pin (DIN) - 2D, 3D *	Fasteners		X	X	X	X	
Parking Along Path	Site Planning		X		X		
Parking Area	Site Planning		X		X		
Parking Spaces	Building Shell	+				X	
	Site Planning		X	X	X		
Photometer	Spotlight		+			X	
Photometric Grid	Spotlight		+			X	
Pilaster	Building Shell		X	X			
Pillow Block - 2D, 3D *	Machine Components		X	X	X	X	
Pipe Fitting	Detailing		X	X			
Piping	MEP		X	X			
Piping Connection	MEP		X	X			
Piping Run	MEP		X	X			
Plant	Site Planning		X		X		
Polyline	Basic	X	X	X	X	X	
Project	3D Modeling	X	X	X	X	X	
Property Line	Site Planning		X	X	X		
Protractor	Basic					X	
	Dims/Notes	X	X	X	X	X	
Pulley - 2D, 3D *	Machine Components		X	X	X	X	
Push/Pull	3D Modeling	X	X	X	X	X	
Quarter Arc *	Basic	X	X	X	X	X	
Radial Dimension	Basic					X	
	Dims/Notes	X	X	X	X	X	
Ramp	Building Shell		X	X	X	X	

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Tool	Tool Palette/Set	Products					
		F	D	A	L	S	R
Receptacle	MEP		X	X			
Rectangle	Basic	X	X	X	X	X	
Rectangular Tubing - 2D, 3D *	Detailing	X	X	X	X	X	
Redline Tool	Dims/Notes		X	X	X	X	
Reference Marker	Dims/Notes	X	X	X	X	X	
Regular Polygon	Basic	X	X	X	X	X	
Remove Wall Breaks	Building Shell Walls		X	X	X	X	
Render Bitmap	Visualization						X
Renderworks Camera	Visualization						X
Repetitive Unit	Detailing		X	X	X		
Reshape	Basic	X	X	X	X	X	
Retaining Ring (ASME) 2D, 3D *	Fasteners		X	X	X	X	
Retaining Ring (DIN) - 2D, 3D *	Fasteners		X	X	X	X	
Retaining Washer (DIN) - 2D, 3D *	Fasteners		X	X	X	X	
Revision Cloud	Dims/Notes	X	X	X	X	X	
Revision Marker	Dims/Notes		X	X	X		
Rivet - Large (Inch) - 2D, 3D *	Fasteners		X	X	X	X	
Rivet - Small (Inch) - 2D, 3D *	Fasteners		X	X	X	X	
Rivet (DIN) - 2D, 3D *	Fasteners		X	X	X	X	
Roadway (Curved) *	Site Planning		X	X	X		
Roadway (Custom Curb)*	Site Planning		X	X	X		
Roadway (NURBS) *	Site Planning		X	X	X		
Roadway (Poly)*	Site Planning		X	X	X		
Roadway (Straight) *	Site Planning		X	X	X		
Roadway (Tee) *	Site Planning		X	X	X		
Roller Bearing - 2D, 3D *	Machine Components		X	X	X	X	
Roller Chain - Circular - 2D, 3D *	Machine Components		X	X	X	X	
Roller Chain - Linear - 2D, 3D *	Machine Components		X	X	X	X	
Roller Chain - Offset Link - 2D, 3D *	Machine Components		X	X	X	X	
Room Name Simple	Dims/Notes	X	X	X	X	X	
Rotate	Basic	X	X	X	X	X	
Rotate View	Visualization	X	X	X	X	X	
Round Tubing - 2D, 3D *	Detailing	X	X	X	X	X	
Round Wall	Building Shell Walls		X	X	X	X	
Rounded Rectangle	Basic	X	X	X	X	X	

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Tool	Tool Palette/Set	Products					
		F	D	A	L	S	R
Scale Bar	Dims/Notes	X	X	X	X	X	
Screw Threads	Detailing		X	X	X	X	
Seating Layout	Furn./Fixtures		X	X		X	
Section Note *	Dims/Notes		X	X	X	X	
Section-Elevation Marker	Dims/Notes	X	X	X	X	X	
Select Similar	Basic		X	X	X	X	
Selection	Basic	X	X	X	X	X	
Set Working Plane *	3D Modeling	X	X	X	X	X	
Shaft - 2D, 3D *	Machine Components		X	X	X	X	
Shaft Break	Detailing	X	X	X	X	X	
Shaft Break 2	Detailing		X	X	X	X	
Shear *	Basic	X	X	X	X	X	
Sheet Border	Dims/Notes	X	X	X	X	X	
Sheet Metal Screw - 2D, 3D *	Detailing		X	X	X	X	
Shell Solid	3D Modeling	X	X	X	X	X	
Shelving Unit	Furn./Fixtures		X	X	X	X	
Simple Elevator	Building Shell		X	X			
Simple Stair	Building Shell Walls	X	+	+	X	X	
Site Modifiers	Site Planning		X	X	X		
Slab	Building Shell		X	X			
Slope Dimension	Dims/Notes		X	X	X		
Slot	Detailing	X	X	X	X	X	
Soft Goods	Detailing Spotlight		X				X
Space	Building Shell Space Planning		X	X			
Space Link	Space Planning		X	X			
Speaker	Spotlight					X	
Speaker Array	Spotlight					X	
Sphere	3D Modeling	X	X	X	X	X	
Spiral	Basic	X	X	X	X	X	
Split Tool	Basic	X	X	X	X	X	
Sprocket - 2D, 3D *	Machine Components		X	X	X	X	
Spur Gear - 2D, 3D *	Machine Components		X	X	X	X	
Spur Gear Rack - 2D, 3D *	Machine Components		X	X	X	X	
Square Tubing - 2D, 3D *	Detailing	X	X	X	X	X	

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Tool	Tool Palette/Set	Products					
		F	D	A	L	S	R
Stacking Diagram	Space Planning		X	X			
Stage Deck	Spotlight		+			X	
Stage Lift	Spotlight		+			X	
Stage Plug	Spotlight		+			X	
Stage Ramp	Spotlight		+			X	
Stage Steps	Spotlight		+			X	
Stair	Building Shell		X	X	X		
Stake	Site Planning		X	X	X		
Stipple	Dims/Notes		X	X	X	X	
Straight Truss	Detailing		X				
	Spotlight					X	
Surface Texture Symbol *	Dims/Notes		X	X	X	X	
Swing Bolt - 2D, 3D *	Fasteners		X	X	X	X	
Swing Eye Bolt - 2D, 3D *	Fasteners		X	X	X	X	
Switch	MEP		X	X			
Symbol Insertion	Basic	X	X	X	X	X	
Symmetry Label	Dims/Notes	X	X	X	X	X	
Table and Chairs	Furn./Fixtures		X	X	X	X	
Tape Measure	Basic					X	
	Dims/Notes	X	X	X	X	X	
Taper Face	3D Modeling	X	X	X	X	X	
Taper Pin (DIN) - 2D, 3D *	Fasteners		X	X	X	X	
Taper Pin (Inch) - 2D, 3D *	Fasteners		X	X	X	X	
Tapered Roller Bearing - 2D, 3D *	Machine Components		X	X	X	X	
T-Bolt - 2D, 3D *	Fasteners		X	X	X	X	
Tee - 2D, 3D *	Detailing	X	X	X	X	X	
Television	Spotlight					X	
Text	Basic	X	X	X	X	X	
Thrust Bearing - 2D, 3D *	Machine Components		X	X	X	X	
Thumb Screw (Inch) - 2D, 3D *	Fasteners		X	X	X	X	
Toilet Stall	Furn./Fixtures		X	X			
Torsion Spring - 3D, Front, End *	Machine Components		X	X	X	X	
Translate View	Visualization	X	X	X	X	X	
Triangle *	Basic	X	X	X	X	X	
Trim	Basic	X	X	X	X	X	
Tubular Rivet (DIN) - 2D, 3D *	Fasteners		X	X	X	X	
U-Bolt - 2D, 3D *	Fasteners		X	X	X	X	

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Tool	Tool Palette/Set	Products					
		F	D	A	L	S	R
Unconstrained Linear Dimension	Basic Dims/Notes		X	X	X	X	X
Utility Cabinet	Furn./Fixtures		X	X	X	X	
VBvisual Plant	Visualization						X
Video Screen	Spotlight		+			X	
Visibility	Basic	+	X	X	X	X	
Walkthrough	Visualization	X	X	X	X	X	
Wall	Building Shell Walls	X	X	X	X	X	
Wall Cabinet	Furn./Fixtures		X	X	X	X	
Wall End Cap	Building Shell		X	X			
Wall Join	Building Shell Walls	X	X	X	X	X	
Welding Sym-Fillet (AWS), (ISO) *	Dims/Notes		X	X	X	X	
Welding Sym-Flange (AWS), (ISO) *	Dims/Notes		X	X	X	X	
Welding Sym-Groove (AWS), (ISO) *	Dims/Notes		X	X	X	X	
Welding Sym-Misc (AWS), (ISO) *	Dims/Notes		X	X	X	X	
Welding Sym-Slot-Plug (AWS), (ISO) *	Dims/Notes		X	X	X	X	
Wide Flange - 2D, 3D *	Detailing	X	X	X	X	X	
Window	Building Shell	+	X	X	X	X	
Wing Nut - Type A (Inch) - 2D, 3D *	Fasteners		X	X	X	X	
Wing Nut - Type B (Inch) - 2D, 3D *	Fasteners		X	X	X	X	
Wing Nut - Type C (Inch) - 2D, 3D *	Fasteners		X	X	X	X	
Wing Nut - Type D (Inch) - 2D, 3D *	Fasteners		X	X	X	X	
Wing Nut (DIN) - 2D, 3D *	Fasteners		X	X	X	X	
Wood Screw - 2D, 3D *	Detailing		X	X	X	X	
Woodruff Key - 2D, 3D *	Machine Components		X	X	X	X	
Workstation Counter	Furn./Fixtures		X	X	X	X	
Workstation Overhead	Furn./Fixtures		X	X	X	X	
Workstation Panel	Furn./Fixtures		X	X	X	X	
Workstation Pedestal	Furn./Fixtures		X	X	X	X	
Worm - 2D, 3D *	Machine Components		X	X	X	X	
Worm Gear - 2D, 3D *	Machine Components		X	X	X	X	
Zoom	Basic	X	X	X	X	X	
Z-Section - 2D, 3D *	Detailing		X	X	X	X	

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