REVIT®

ARCHITECTURE 2008

Known Issues
Revit Architecture 2008

Video Card and Open GL

- Some video cards may cause the Revit® Architecture application to fail when OpenGL® graphics acceleration is enabled. Video cards older than two years and those that do not support OpenGL 1.3 may not work with OpenGL acceleration in this release.

Network Deployment

- The deployment will fail if the computer creating the deployment has the same Revit product and version currently installed. You must uninstall the conflicting version prior to creating the deployment.

Compatibility with Windows Vista operating system

- We continue to test Revit on Windows Vista side by side with Windows XP. Our finding so far is that Revit performs comparably on both operating systems. Users working on very large projects or workshare projects should exercise caution because these features are still being tested

Color Schemes

- Room bounding elements (e.g., columns) are not covered by Color Fill even if the color scheme is set to Foreground.

- In an upgraded file, Color Fill is set to background by default and may be obscured by a background raster image. In this case, select the Color Scheme and set it to Foreground.

- For walls or curtain walls, the colors will fill to the centerline of the wall when the Color Scheme is set to Foreground. This behavior is based on presentation requirements rather than the room calculation boundary rule. To make the walls obscure the fill colors, override the Wall Cut Pattern to solid fill.

Nested Links

- You cannot currently copy-paste a placed Nested Link instance into the current project or into a new project. Workaround: copy-paste the definition of a nested link from the Project Browser. The Nested Link will now show up as a Top Level Link in the Project Browser, from which you can place instances of the Link into the project.

Excluded Elements in Groups

- Some elements in groups, after being excluded, will not pre-highlight. These elements include grids, rooms, links, and attached details. In order to restore these elements, select the group instance and choose Restore All Excluded from the right-click menu. If Restore All Excluded is not available from the right-click menu, then there are no excluded elements in the group instance.

Link View-Range Issue

- Overlapping View-Range issues can occur when Links exist on a Level other than the Level on which they were created in the Linked File. This can result in selection problems (e.g., a Link on Level 2 may be incorrectly visible and selectable from Level 1).

  To avoid this, in Visibility Graphics > Revit Links, for Display Settings choose "Custom" for the Link type, and set the View Range to "<By host view>". Alternatively, you may choose "Custom" for each Link instance (instead of for the Link type), and set the View Range to "<By host view>".

Rotated Callout Plan and Text Outside the Annotation Crop

- In a rotated Callout Plan, any text outside the Annotation Crop boundary will fail to be hidden. The current work-around is to highlight the text, right-click > Hide in view > Element.

Graphic Overrides

- Fill Pattern overrides can currently only be applied to Plane and Cylindrical surfaces.

Vector Printing with Transparency or Raster Images

- When Vector Printing views containing transparent Solid Filled Regions or transparent materials (e.g., glass) with solid elements below, or raster images which overlap the Revit model, the print output may differ significantly from the view shown on the screen. In these cases, Raster Printing should be used.

Printer Setting Issues

- The color management settings (e.g., ICM vs. ColorSmart) on some printers can cause color fill anomalies with Revit output. For example, some Course-Scale Wall Fills or Room Color Fills can fail to display. Try different color management settings on the printer.

Opening Revit from a Revit file icon

- Double-clicking a Revit file icon only opens the latest build of Revit if it is the most recently installed version on your computer.

Masking Regions

- When masking an area with Filled Region, using Solid White will incorrectly export to DWG® file specification as a dark solid fill. Instead, you should use a new Masking Region.

- Masking regions in Annotation Families will not export to DWG as obscuring elements.

- Masking regions in 3D families do not have the ability of being applied a sub-category because masking regions may contain sketch lines that can belong to different sub-categories.

Exporting to DWG

- Halftone graphic overrides will not currently export to DWG.

- By default, lineweights in DWG files are not displayed, and Revit does not currently have an option to export with this toggle turned on. To display Revit lineweights in your DWG file: 1) Open the DWG file, 2) Click Format > Lineweight, and 3) Add a check to the Display Lineweight checkbox.

Shape Edited Slabs

- Slabs or Roofs with curved sketch lines cannot be shape edited
- Metal deck may be represented incorrectly in cut views.
- Slab or Roof thickness is measured from the vertical projection of the sloped face, not perpendicular.

Toposurface and 2D Import

- A 2D Import can no longer be used to create a site toposurface. When importing a DWG site file, do not select "Current view only."

Print Settings (default and on upgrade)

- New and upgraded files now use Fit to Page by default instead of Zoom 100% under Zoom settings.

Batch Printing to PDF

- When printing multiple Revit sheets to Adobe® PDF, the default PDF printer settings may require you to click a Save button prior to the processing of each sheet; and a session of the PDF reader may open for each sheet. To allow unattended batch printing:

  1. In Windows, go to Settings > Printers and Faxes. Right-click on Adobe PDF and choose Properties.

  2. In the Adobe PDF Properties dialog, click Printing Preferences…

  3. In the Adobe PDF Printing Preferences dialog, click the drop-down for Adobe PDF Output Folder. Choose My Documents|*.pdf. This sends all sheets to your My Documents folder automatically without individual prompts.

  4. Uncheck the View Adobe PDF results checkbox. This prevents a PDF Reader session from opening with each sheet.

Known Issues
Revit Architecture 2008 & Previous Releases

Install

- Windows® XP Service Pack 2 will enable a new software firewall which when left at its default settings will disable the Autodesk License Server installed on the same machine. There are two options for configuring this Control Panel to re-enable Autodesk Network licensing: 1) **Disable Firewall** (open Start\Settings\Control Panels\Windows Firewall, access the General Tab and set the radio button to Off; or 2) **Create Port Exceptions** (consult Windows XP documentation for this method).

- "Name is Too Long" error: During Revit software install, if the combined path and name for some Revit content exceeds 260 characters (a current Windows limitation), users will see this error. Users may see this for some content if the default content path is made longer by the user (lengthening the default path during install) or by the computer (e.g. 64-bit operating systems may add additional characters to path names). Users can correct this problem by shortening the content path during installation.

Subcategory Expansion Symbols are Occasionally Missing

- A Windows XP memory-leakage bug will occasionally disable the "+" symbol in Revit's expandable category trees (e.g. Visibility Graphics or the Project Browser) making the top heading appear to have no subcategories. This is most likely to happen during high-memory-use Revit Building functions, such as spinning a large 3D model. Restarting Revit will typically resolve the problem. Microsoft has released two Hotfixes that may correct this issue permanently: *WindowsXP-KB319740-v5-x86-ENU.exe* and *WindowsXP-KB319740-v5-x86-Symbols-ENU.exe*.

Upgrade of extremely large files from previous versions

- Revit requires significant additional memory when upgrading a file from a previous version. If the upgrade of an extremely large file exceeds the operating system memory limit, users should try Microsoft's 3 GB switch. Find more information in the Memory Usage section of What's New in This Release and at:
  http://www.microsoft.com/whdc/system/platform/server/PAE/PAEmem.mspx

- Another strategy is to open the file on a computer running in Windows XP64 operating system and having more than 2 or 3 GB of installed RAM. While Revit Building has not been extensively tested in 64-bit OS, some memory capacity improvements will be realized on 64-bit machines.

Windows 2000 Operating System

- If you are installing Revit Architecture 2008 on a computer running Windows 2000, you must first run the Windows Installer 3.1 Update (WindowsInstaller-KB893803-v2-x86.exe) found at the Revit Product Download Page or at http://www.microsoft.com/downloads/details.aspx?familyid=889482fc-5f56-4a38-b838-de776fd4138c&displaylang=en.

Performance

- When using raster images in titleblocks, start with an appropriate image size. Importing an unnecessarily large, high-resolution graphic, then resizing, can adversely affect Revit performance.

- DWG import currently brings in all line patterns and hatches that are in the DWG file, and this can degrade performance. In the AutoCAD® application, delete unused patterns and hatches prior to saving and importing into Revit.

Export to 3ds Max or VIZ

- For best results, it is recommended that you export as ACIS® solids. This option will help you to avoid certain issues that you may experience when using polymeshes in Autodesk® 3ds Max®software. Exporting as Polymesh will have better material properties interpretation in 3ds Max/Autodesk® VIZ software, but may be slower. Also, DWG Polymesh export is limited to 32,000 faces per object, so complicated objects may not be as smooth as needed. If you export geometry as ACIS solids, when importing (or linking) into 3ds Max you can use the Surface Deviation for 3D Solids setting to control the granularity of incoming geometry.

- Accurender's procedural materials are not exportable to 3ds Max/VIZ, but bitmapped materials are.

- Revit trees, after export, contain lines with no other geometry and will not render in 3ds Max/VIZ.

- Revit bitmapped Decals will not export to Max/Viz.

- Some Revit elements may have "flipped normal" display issues in 3ds Max/VIZ. During 3ds Max/VIZ import try unchecking "Unify Normals" or checking "Forced 2-Sided Materials."

- Revit lights, sun and geographical location settings will not be exported to 3ds Max/VIZ.

Solar Studies

- AVI output for Animated Solar Studies defaults to "Uncompressed," which produces excellent graphic quality but can result in very large file size. Users can compress the AVI file (using WinZip, for example) to reduce the file size by up to 95%, and these reduced files can often be double-clicked and opened directly by media players.

SketchUp Import

- Two-sided surfaces: If material/color is assigned only to one side of a surface in the SketchUp® application, both sides get that material by default in Revit. If there is material on both sides, Revit will use "Face 1" material and apply to both sides. If faces are flipped and painted differently in SketchUp, they may not display the correct material in Revit.

- Some SketchUp properties are currently not supported in Revit import: Texture Image Maps, Transparency, 'Smooth' Curved Surfaces, Text and Dimensions, Raster Images, saved 'Pages,' and Section Planes.

- Imports into 2D views cannot currently be cut by a Cut Plane unless imported into a cuttable family category.

- SketchUp and Massing: Not all SketchUp imports are appropriate to massing. See Help section: Suitability of Imported Geometry.

- Groups or Components that have been scaled in entirety with the SketchUp Scaling tool may be incorrectly scaled when imported to Revit. Exploded SketchUp models should import at correct scale.

2D DWF Export

- The new Export Object Data function will currently only export Object Data for Vector image views. Views exported as Raster images (required for shaded views or shadows) do not export object data.

- If the current DWF™ sheet size is not supported by the currently selected printer, the Export dialog box may indicate that the "File is Not Compatible with the Printer." Close the Export dialog, click File > Print Setup, change the Printer Name to <In-Session>, and return to DWF Export.

Rooms

- Rooms in section: Display of room fill in section will not currently reflect the true calculated volume. Room fill display does not necessarily correspond to where area is calculated at walls. Rooms cannot currently be selected in section. Redundant rooms are not displayed in section; only the first room placed is shown.

Keynoting

- Revit currently supports only one Keynote Table file per project. Users may, however, combine multiple Keynote standards into this single file.

- Free unassociated Keynotes are currently not supported, nor is Keynoting of detail lines (such as Batt Insulation). Users may "User Keynote" a nearby element and move the free end leader to the desired location.

Filters

- There is currently no "*or*" operator in Filters, but the same effect can be achieved by making two separate filters.

- Linked files do not currently respond to View Filters either in the Link or in the Host.

Worksets

- Saving To Central using the Save to Central toolbar button does not relinquish any User Worksets. To relinquish workset ownership, use the Save To Central command from the file menu, as it contains a checkbox option to Relinquish User Worksets.

Dimensions

- Automated dimensioning, with Entire Wall and Intersecting Walls options selected, will not recognize non-perpendicular walls or walls connected with Join Geometry.

Shaft Openings

- In-Place Families, even if they are Floor, Ceiling, or Roof Category, will not be cut by Shaft Openings.

- Phasing currently affects Shaft Openings. Hosts that have Shafts cut from them may not heal themselves in other Phases.

Visibility/Graphics

- After importing a DWG™ file with the "Current View Only" box checked, the Import Categories tab of Visibility/Graphics incorrectly lists the imported file in every view. However, it will only be visible in the view used during import.

Pattern Alignment in Detail Components

- Fill Patterns will Align with Object for cut elements, but currently will not Align with Object for 2D detail components.

Family Batch Upgrade Tool

- When using the Family Batch Upgrade Tool (available as a download), the family folder/subfolders should reside on the local computer, not the server. Conversion of a large number of files may be affected by other Windows functions and may require more than one run to complete all families.

Import from AutoCAD 2007

- Section Planes are not currently imported into Revit geometry.

Curved Tag and Keynote Leaders

- At this time, it is not possible to create curved leaders for Keynotes and Tags.

Un-Enclosed Room Re-Tag

- If a Room Tag for an unenclosed room is deleted, it is currently not possible to add a Room Tag back to the room without first making it a properly enclosed room. Use a Room Separation line to fix the room prior to re-tagging.

Saving Revit file names with numeric endings

- Revit currently reserves file name strings ending in digits following a dot as backup file designations. File Name strings ending in digits should use separations other than a dot. For example: instead of naming a file *MJB_00.6078.000.rvt*, use *MJB_00-6078-000.rvt*.