Known Issues
Autodesk Revit Building 9.1

Windows 2000 Operating System

- If you are installing Revit Building 9.1 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.

Import and Export .PNG Files

- Portable Network Graphics (.PNG) files can now be imported and exported in Revit. However, .PNG files imbedded in an imported DWG file will not currently be included in the import.

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 AutoCAD™, delete unused patterns and hatches prior to saving and importing into Revit.

Manage Links in a Workshared Project

- Currently, in a workshared project, any actions (Import, Reload From, etc) in the Manage Links dialog will be reverted and lost when anyone else Saves to Central. To accomplish these Manage Links actions: 1) have everyone Save to Central, Relinquish, and exit; 2) have one person make the Manage Link changes; 3) have everyone make new local files.

Filled Region for Masking

- When masking an area with Filled Region, using Solid White will incorrectly export to DWG as a dark solid fill. Instead, you should make a Filled Region with the Fill Pattern set to *No Pattern* and the Background set to *Opaque*.

Export to Max or Viz

- Currently, for materials in a Revit file, Autodesk Max™ and Autodesk Viz™ display the acdbMaterial names instead of the more easily understandable RevitMaterial names.

- Exporting from Revit as ACIS Solids (in Export Options dialog box) improves rendering time in Max/Viz, but some Materials data is lost. Exporting as Polymesh will have better

material properties interpretation in Max/Viz, 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.

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

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

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

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

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.

Hatches in Rotated Views

Comment [TK1]: SPR 117417

- Currently, in rotated views, some hatches (e.g. ceiling grids) may misalign when printed.

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*.

Known Issues
Autodesk Revit Building 9 (and 9.1)

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 Building software install, if the combined path and name for some Revit Building 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 Building'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 Building will typically resolve the problem. Microsoft has released two current 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 Building 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.

Solar Studies

- Non-rendered, perspective Solar Studies currently may return incorrect results if the camera is located within the shadowed area (this would happen most often with interior views). User should either render the study, or move the camera out of the shadow zone.

- 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 Building. If there is material on both sides, Revit Building 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 Building.

- Some SketchUp properties are currently not supported in Revit Building 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 Building. 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.

- Custom sheet sizes are not currently supported. Users requiring custom sizes should continue to use DWF Writer 3.

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 Building 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.