

# Update Enhancement List

\* Indicates an issue that was reported by a Revit user.

\*\* Indicates an issue resolved within the Multi-Category Schedules Hotfix for Autodesk Revit 2015 Update Release 3.

## Improvements made in Update Release 5 build (20141119 1515):

### Autodesk® Revit® Architecture 2015 Updates

- Improves resolving of the Revit Server saved paths.\*
- Corrects the behavior of placing families in a project when the family type selector is expanded.
- Improves stability when loading families that contain data created by add-ins.
- Improves stability when ungroup a group.
- Improved stability when filter a schedule.
- Improved stability when opening projects with bad dimensions.
- Improves stability when making edits in the Sun Settings dialog.
- Improves stability when deleting parts while modifying division.
- Improves stability when canceling new label creation in family environment.
- Improves stability when editing materials in families in a workshared environment.
- Improves stability when clicking the Macro Manager tool in the Family Editor.
- Improves stability when multiple users load families and undo their actions in a workshared file.
- Improves stability when two users loaded families of the same name.
- Corrects an issue with ceiling-hosted lights that caused the lights to be deleted when the ceiling was moved or copied.\*
- Corrected an issue related to placement of face-based families on certain part elements.\*

### Autodesk® Revit® MEP 2015 Updates

- Improves stability when editing a conduit temporary dimension in an elevation view.

### Autodesk® Revit® Structure 2015 Updates

- Improves stability when exporting multi-rebar annotation into DWG format.\*
- Corrects an issue with incorrect warning and error messages for groups in design options with a group containing structural framing elements or columns.\*
- Fixed an issue with the generation of the analytical surface for a vertical floor and slab.

### Autodesk® Revit® API 2015 Updates

- Allows the ability to offset the end of a wire when it is connected to other elements.

## **Improvements made in Update Release 4 build (20140903 1530):**

### **Autodesk® Revit® Architecture 2015 Updates**

- Updates graphics certification file.
- Improves visual display of filled regions, loss of color and pattern, when view is set to Realistic display style.\*
- Improves export of fill patterns on transparent faces.\*
- Improves stability when family-related corruption is encountered.\*
- Improves transmitting models with multiple external linked files stored on Revit Server when using eTransmit.\*
- Improves stability while tab-selecting into an element to add detail lines using the Pick Lines option.
- Improves stability when using names longer than 128 characters in the Family Types dialog.
- Improves stability when deleting an element that is in an invalid state.
- Improves stability when clicking the door type preview button in some upgraded models.
- Improves visual fidelity with surface types which contain singularities.
- Improves stability when using file upgrade operations.\*
- Ensures the file name is populated within the upgrade dialog box.\*
- Improves stability when splitting a wall with an edited elevation profile.
- Improves stability when iterating different wall join configurations.
- Improves stability when splitting a wall.
- Improves data integrity with Multi-Category schedules which include elements from a linked file.\*\*
- Improves stability when trying to rotate a view during the placement of the view on a sheet.
- Improves stability when trying to Tag All in a view of a workshared model that is owned by another user.\*
- Improves stability when a user edited a wall structure with the preview window open.
- Improves stability when placing a wall in files upgraded to Revit 2015.
- Improves stability when multiple users try to modify the same family in a workshared environment.
- Corrects the abundance of standard materials being created when repeatedly loading a family.
- Improves stability when editing wall joins.
- Improves stability when cancelling an IFC Link during the insertion of new IFC links.\*
- Corrects the behavior of placing families in a project when the family type selector is expanded.
- Improves stability when adding a family to a design option set when the family type selector is expanded.
- Improves the visual fidelity of point clouds sections which have Far Clipping set to "Clip with Line."\*\*
- Corrects the placement of an image or any element containing an image (such as a schedule) on a sheet when Autodesk Revit is installed on Windows 8.1.
- Improves stability when exporting to IFC with the second level space boundaries option enabled.\*
- Improves visual fidelity of level head symbol within a legend view after file upgrade.\*
- Improves stability when pressing Ctrl+Tab in the Material dialog.
- Improves stability when loading the layer export setting from a file.\*
- Improves stability if the model was missing its revisions settings data.\*
- Improves data integrity after saving a workshared model in Revit LT.\*
- Improves visual fidelity of Space Tags placed on linked files after reopening a model.\*
- Improves stability when reloading a circular nested family.
- Improves stability for WARP device.
- Improves visual fidelity of point clouds.\*
- Improves exports with include images.
- Improves stability when modifying wall type layers of large thickness.
- Improves data integrity during worksharing Reload Latest when one user places the first instance of a family and another user renames the family.

## Autodesk® Revit® MEP 2015 Updates

- Improves stability when running Heating Cooling Loads.
- Improves printing and exporting electrical families when the project base point is covered.\*
- Improves visual fidelity for flex duct and flex pipe when rotating the view true north.\*
- Improves data integrity for Duct Radius Elbow/Taps velocity parameter in Properties Palette and within Tags.\*
- Corrects the length value of a beveled tap when it is calculated by a formula.\*
- Improves MEP fitting sizing when based upon content settings.\*
- Improves stability when changing system types.
- Improves display of selected electrical equipment families within the type selector.\*

## Autodesk® Revit® Structure 2015 Updates

- Improves stability when upgrading a project with the structural setting Check for Member Supports enabled.\*
- Improves stability when creating an automatic beam system which results in short Joist elements.\*
- Improves data integrity of column families location when a Revit model is inserted as a group.
- Improves stability when editing the base offset of a column.
- Improves stability when placing a structural column using improper family parameters.
- Improves stability when changing a variable floor layer to use the function 'Structural Deck'.

## Autodesk® Revit® API 2015 Updates

- Improves reliability of retrieving the current selection in an API Dockable Pane.\*
- Restricts the deletion of the drafting solid fill pattern from a model by any method, including the API.\*
- Improves API behavior to reflect the user interface by enabling the API user to 1) open a local model when ignorable worksharing exceptions occur, such as a central model missing; and 2) open a host model (local or central) when ignorable worksharing exceptions occur on loading the linked model, such as a linked model missing.\*
- Improves stability when errors are posted during calling API Document.SynchronizeWithCentral by addons.\*
- Corrects the API by changing the exception from SEHException to OperationCanceledException for API Selection.PickBox.\*
- Improves stability when the Pick Points API was invoked from within a Dockable Frame.\*

## Improvements made in Update Release 3 build (20140606 1530):

## Autodesk® Revit® Architecture 2015 Updates

- Improves performance when placing a large number of adaptive components.
- Updates graphics certification file.
- Improves multi-reference annotation tag grouping when tags contains more than one label.
- Improves preview image retention when families are saved in Project Browser.
- Improves stability of Revit user interface.
- Improves stability when opening Revit project by double-clicking RVT files in Windows Explorer.
- Enables display of project names containing apostrophes in Energy Simulation dialog.
- Improves stability of Energy Simulation when project includes sandwiched Revit elements.\*
- Improves stability of rendering in the cloud when the selected view is missing light group data.
- Improves stability of Suite Workflows after double-clicking Workflow Manager.
- Improves rendering results when adaptive components are rendered in the cloud.

## Autodesk® Revit® 2015 Update Enhancement List

- Improves stability when upgrading legacy Revit projects.\*
- Improves data integrity when copying or reloading groups that contain shared nested families between projects.
- Improves stability when loading a family while adding a Family Type parameter.
- Improves stability when editing a filter that is owned by another user.
- Improves performance when saving new central file to Revit Server.
- Improves data integrity in projects that contain large elements, such as ImageHolders.\*
- Improves stability while opening IFC files.\*
- Improves performance when editing masses with applied divided surfaces.
- Improves stability when exporting to SAT format with projects that contain linked files.
- Improves stability during use of the Paste command.
- Improves stability when opening IFC files and modifying Phasing settings.\*
- Improves data integrity when swept surfaces are exported to SAT format.\*
- Improves stability while exporting to ODBC database when project is missing assembly code settings.
- Improves data integrity in projects created from UK templates.
- Improves stability when canceling out of worksharing permission error while in Design Options.
- Improves stability when closing the Rendering dialog.
- Improves data integrity when closing a local file without synchronizing with central.
- Improves stability when creating material takeoff and then adding parameters.
- Improves stability when exiting Revit.
- Allows proper display of schedules on sheets when fields are sorted or grouped.\*
- Allows proper display of selected elements when shadows are enabled in view.
- Improves stability when opening projects that include corrupt families.
- Improves data integrity when copying elements between projects.
- Improves stability when deleting family types from Project Browser.
- Improves stability when working with workshared files.
- Improves results when angular equality constraint
- Improves data integrity when default material for a host that is used by families is deleted.
- Improves stability when importing DWG files.
- Improves stability when exiting Revit while Ray Trace visual style is active.
- Improves stability when working with point clouds.
- Improves stability when loading nested families while in Family Editor.
- Improves stability when editing groups.
- Improves regeneration of families that include a reporting parameter.

## Autodesk® Revit® MEP 2015 Updates

- Improves calculated airflow results when using a combination of imperial and metric units.
- Improves performance when working with mechanical and piping systems.
- Allows ducts to retain proper alignment after elevation of levels is modified.\*
- Improves data integrity when using the Pipe Sizing tool.
- Improves consistency of undo/redo commands while editing a panel schedule template.
- Improves stability when generating pipe layouts.
- Improves data integrity of piping systems when calculation level is set to volume only.
- Allows proper updating of circuit numbers after circuits are moved in panel schedule.
- Allows proper assigning of ASHRAE tables to duct fittings.
- Allows proper display of 3-pole circuits in panel schedules.
- Allows proper retention of circuit loads after assigning a space circuit in a panel schedule.\*
- Allows proper retention of circuit assignment after synchronizing with central.\*



## Autodesk® Revit® 2015 Update Enhancement List

- Allows taps to remain connected to main duct when taps and ducts reside on different levels and then levels are modified.
- Allows proper updating of electrical fixture parameters when dependent on volts/poles instance parameters.
- Allows duct transitions to remain connected after changing the duct size.\*
- Improves stability when dragging cable tray and/or conduit.
- Allows proper connection between circuit and panels to be retained when editing circuit information and panel schedules.
- Improves stability when creating in-place masses while System Browser is open.

## Autodesk® Revit® Structure 2015 Updates

- Improves retention of beam annotation settings in projects that were not created from a template.\*
- Improves results when mirroring rotated beams and columns.\*
- Improves appearance of intersections between concrete beams and walls.\*
- Improves stability when editing slanted columns.
- Improves stability when moving shape handles on bar joists while in a section view after disallowing joining.
- Improves stability when using the beam Change Reference tool.
- Improves results when modifying the cross-section rotation of vertical braces.

## Autodesk® Revit® API 2015 Updates

- Improves retention of device connections when using Wire.Create to create new wire connecting to a device.
- Improves display of wire connection points when using Wire.ConnectTo and Connector.Connect.
- Enable changes to MEPSYSTEMTYPE.CALCULATIONLEVEL via public API.
- Level parameter correctly set when elements are placed via NewFamilyInstance().
- Improves retention of parameters in line boundary condition objects.
- Improves stability when using CompoundStructure.SetLayers.\*
- Allows proper assignment of a Phase Created value when using DirectShapes.
- Improves alignment of text created via API.
- Improves stability when the API is in Automatic TransactionMode.

## **Improvements made in Security Release build (20140323 1530):**

- Addresses Heartbleed vulnerability - a security bug in the open-source OpenSSL cryptography library. Heartbleed is registered in the Common Vulnerabilities and Exposures system as CVE-2014-0160. For more information, please visit the CVE dictionary at <http://cve.mitre.org>



**Improvements made in Update Release 1 build (20140322 1515):**

**Autodesk® Revit® Platform 2015 Updates**

- Improves data integrity when editing nested families.
- Improves stability when editing nested families.
- Improves stability when editing when expanding schedule columns.
- Improves upgrade of projects which contain rebar elements.
- Removes format constraints for assembly codes.
- Improves data collection when Customer Involvement Program is enabled.

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