AUTODESK® REVIT®
STRUCTURE 2010

# Update Enhancement List

**Improvements made in Update 1 build (20090612_2115):**

**Autodesk® Revit® Structure 2010 Enhancements**

- Enhanced the ability to properly export the analytical model from in-place family of category walls and floors to 3rd party applications.
- Allowed user to cancel the error message when creating a wall using invalid parameters in the pre-created version of the element.
- Improved stability when the slanted column attached to floor above is snapped to beam.
- Improved UK Cellular/Castellated Beam with un-Equidistant End Holes.rfa.
- Added ASB/SFB-Beams.rfa into UK Corus Advance library.

**Autodesk® Revit® Platform Enhancements**

- Dragging a ribbon panel near a view no longer causes the view to pan.
- All reference callouts, sections, and elevations will mirror when project is mirrored.
- When the sheet view is active, ribbon commands display the correct UI state.
- "Is Reference" Instance Property is available for reference points.
- Commands in Print Preview mode can now be accessed by keytips.
- Improves stability when printing.
- Disables the "Add to Quick Access Toolbar" option when tool already exists on Quick Access Toolbar.
- View Control Bar no longer shows old and new state of commands until the view is redrawn.
- Improved detail level icons in the View Control Bar.
- Improvements to form creation and editing of conceptual masses.
- Improvements to divided surfaces on conceptual masses.
- Improved graphic performance when using View Cube® navigation tool.
- Images will now display in print preview and print correctly.
- Improved stability when printing to PDF.
- Type Selector preview images update for types created by Duplicate Type command.
- Type Selector will remain added to Quick Access Toolbar when opening a new Autodesk Revit Structure session.
- When multiple contextual tabs are available, the proper contextual tab will be displayed when clicking on the Options Bar.
- Improved stability when multiple sessions of Autodesk Revit Structure are running.
- Duplicate icons from ribbon and application frame no longer appear in the Options Bar.
- Improved stability when plotting or exporting.
- Alt+Numeric keypad entries will create the expected special text character.
- Improved ribbon display issues.
- TIFF images will display correctly in plan after project is reopened.
- Relinquish all when closing a local file now works if there is a new view, family, or workset in the project.
- Selecting Boundary when creating a ramp or stair no longer reverts back to Run option.
- Flip controls are now available in the Detail Component family editor.
- ADSK file from Autodesk® Inventor® software no longer loses custom UCS information in Autodesk Revit Structure.
- Application frame size is saved between sessions.

- Reveal Hidden Elements and select keyboard shortcut enabled in family environment.
- Select previous keyboard shortcut is now available.
- Raster export to DWF™ format will follow quality settings.
- On Quick Access Toolbar, moved Sync to Central command next to Save command.
- Improved visibility of Tab highlights when in thin line mode.
- Modified section and elevation command icons.
- Keynote Tag and Component/Repeating Detail/Legend Component drop-down buttons on the ribbon will now reflect the last-used command.
- Improved precision of parameters in families using type catalogs.
- Improved display of shadows.
- Improvements to IFC export.
- When exporting to TIFF or PNG, the sky alpha channel will now properly drop out.
- Improved wall-by-face creation on imported masses.
- Wall wraps will display correctly in detail views.
- When exporting wall joins into DWG with shared coordinates, all collinear lines are now merged.
- Improved stability when using parallel wall join cleaning switch described in the Revit Performance Technical Note.

## Autodesk® Revit® API Enhancements

- Suppressed Revit inaccuracies warnings during transaction when generating geometries using massing API.
- Associated LinearArray's NumMembers property with Family parameter.
- Dissociated FamilyParameter from Label property of BaseArray and Dimension.
- Provided a tool to update reference path of RevitAPI.dll for samples.
- Provided an update to DistanceToPanels sample.
- Improved stability when creating NewReferencePoint with PointOnEdge that references a ModelCurve.
- Floating point values are no longer reset when crossing from managed code to unmanaged code.
- In the Print API, ViewSheetSetting.Save() no longer raises an InvalidOperationException when the user removes all views.
- A meaningful exception will be raised when incorrect sketchPlane is used in NewSweep(,,SketchPlane,,,).
- FamilyManager.Set() can now assign ElementId value to parameter.
- Improved stability when using DocumentOpened event and linked files.
- Improved stability of VSTA.

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