AUTODESK® REVIT® STRUCTURE 2011

Update Enhancement List

Improvements made in Update 1 build (20100614_2115):

Autodesk® Revit® Structure 2011 Enhancements

- Improves rebar set visibility in section view when hiding first/last bar.
- Improves rebar visibility correction in detail fine view.
- Improves the joined wall analytical when using the "center of core" horizontal projection parameter.
- Updates to Option highlight when switching edited design options.
- Improves UI stability when clicking in View while model is regenerating.
- Enables the Properties Palette to remain editable after changing level in Options bar.
- Improves stability when creating building pads.
- Improves alignment direction for beam start/end connection symbol of a curved.

Autodesk® Revit® Platform 2011 Enhancements

- The list of supported video cards and drivers has been updated.
- Improves stability in working with families.
- Improves stability when deleting views.
- Improves stability when export to gbXML.
- Improves stability when view "Analytical Surfaces" in the Export gbXML dialog.
- Correct export of embedded curtain walls to gbXML.
- Improves stability when export to DWG.
- Improves stability when export a split view with shared coordinates to DWG.
- Respects crop region with blocks when exported to DWG in wireframe visual style.
- Correct placement of annotation when exported to DWG.
- Improves stability when Export to DWF.
- Improves stability and performance when working in the Materials dialog.
- Improves IFC import to display a warning when encountering a geometry issue that would have previously caused instability in some cases.
- Improves Properties Palette and canvas interaction that caused unstable graphics if family regenerations were interrupted.
- Updates to placed instances will now occur when reloading a Family Parameter into project environment as a Reporting Parameter.
- Improves In Canvas Parameter Labeling to allow a Reporting Parameter to be created when an Instance or Type Parameter could not be.
- Disables Reporting Parameters between In Place Families and Reference geometry.
- Correct parameter names display within the Decal Dialog.
- Improves consistency between Revit and Max when exporting lights with IES files via FBX.
- Restored custom quality setting that controls number of refractions in a rendering.
- Improves the performance when adjusting the exposure of a rendered image.
- Improves issues encountered when rendering elements with different phase settings.

- Repairs upgrade issue with certain light fixtures using IES files.
- Repairs printing issue where Scope Boxes from Linked files were visible despite Print settings turning them off.
- Ensures correct orientation of Elevation tags when tag family is edited.
- Improves stability when switching among the tabs in RVT Links Display Settings.
- Improves stability when ungrouping arrayed elements.
- Improves Filter Rules.

Autodesk® Revit® 2011 API Enhancements

- Elements will now be properly joined when the ExternalCommand concludes when using automatic regeneration and automatic transaction
- ExportImage(ImageExportOptions) no longer throws an exception when given a set of views
- ElementParameterFilters now operate properly against ElementType elements
- Improves stability when saving a family and there are event subscribers for Save or Save As.
- Closes the Family editor environment after loading a family via the API
- Improves stability when using selection APIs to pick grid elements.
- Dynamic Model Update: GetChangeTypeGeometry() now triggers properly when active type is changed
- Improves stability for Dynamic Model Update: when registering updaters and more than one application is registered
- The new API SunAndShadowSettings.CalculateTimeZone() uses Revit's mechanism to calculate the time zone value for a given latitude and longitude. This calculation is more accurate than the results obtained from City.TimeZone.
- Improves performance of display of Analysis Visualization framework when Hardware Acceleration is on.
- VSTA is now allowed for multiple concurrent sessions of Revit; editing the same module by two sessions is prohibited
- VSTA: Document-level macros no longer become corrupted when the document is workshared and the macro is edited by more than one concurrent session
- Improves stability when calls to NewFamilyDocument() and PickObjects() are used in sequence
- VSTA: Revit no longer prematurely exits when opening a project containing corrupted macros
- The Idling event no longer generates a journal comment for each invocation

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